

Proposed Commercial Kitchen Expansion

EASTCONN 376 Hartford Turnpike Hampton, Connecticut

Date: June 26, 2019

OWNER

EASTCONN
376 Hartford Turnpike
Hampton, CT 06247

Facilities Department
Phone: 860-455-1543

ARCHITECT

Evelyn Cole Smith Architects, LLC
P.O. Box 182
134 B Main Street
Putnam, CT 06260

Phone: 860-315-9570

CIVIL ENGINEER

CME Associates, Inc.
33 Wilbur Cross Way, Suite 105
Mansfield, CT 06268

Phone: 860-855-1055

MECHANICAL ENGINEER

Salamone & Associates PC
116 North Plains Industrial Road
Wallingford, CT 06492

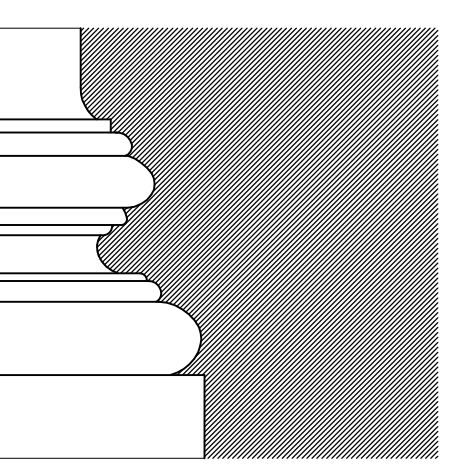
Phone: 203-281-6895

CODE SUMMARY			
Code Summary: EASTCONN COMMERCIAL KITCHEN PROJECT - BUILDING 1			
APPLICABLE CODES			
Building	Connecticut State Building Code (CSBC 2018)		
	International Building Code (IBC 2015)		
Accessibility	ICC A117.1 - 2009		
Plumbing	International Plumbing Code (IPC 2015)		
Mechanical	International Mechanical Code (IMC 2015)		
Electrical	2017 NFPA 70		
Fire Protection	2016 Connecticut State Fire Safety Code		
	International Fire Code (IFC 2015)		
	NFPA 101 Life Safety Code - 2015		
Energy	International Energy Conservation Code (IECC 2015)		
Description	Code Reference	Requirement/ Allowed	Proposed
GENERAL			
Use Group	IBC: 304	Any	B = Business (Offices and Kitchen)
Accessory Use Group	IBC: 508.2	Any	A-3 = Assembly (Exist. Meeting Rooms)
Height and Area Limitations	IBC: 503 and Table 503	3 stories, 55 feet, 19,000 SF	1 story, 16 feet, 12,240 SF without area increases
Separation of Occupancies	IBC: Table 508.4	Not required	Not provided
Construction Type	IBC: 602.5, incl. table 601	3B	3B
Sprinkler systems	IBC: 903.2	Not required	Not provided
Fire alarm/detection systems	IBC: 907.2.2	Not required	Notification and alarm provided
OCCUPANT LOAD			
Occupant Load (floor area allowance / occp.)	IBC: 1004, incl. table 1004.1.2	B=100 SF Gross A-3 = 15 SF	9,905/100 = 99 persons 2,335/15 = 155 persons
EGRESS			
Required No. of Exits	IBC: 1015.1	Existing	No change
Common Path of Egress	IBC: 1014.3	Existing	No change
Exit access travel distance	IBC: 1016.2	Existing	No change
Dead End Corridor	IBC: 1018.4	50'	NA
Width of egress doors	IBC: 1008.1.1	32" min.	36" provided

ABBREVIATIONS					
ABBRVS.	ABBREVIATIONS	EA.	EACH	N.I.C.	NOT IN CONTRACT
A.C.T.	ACOUSTIC CEILING TILE	ELEV.	ELEVATION	NO.	NUMBER
A.F.F.	ABOVE FINISHED FLOOR	E.J.	EXPANSION JOINT	O.G.	ON CENTER
ALUM.	ALUMINUM	EQ.	EQUAL	PTD	PAINTED
BD.	BOARD	EXP.	EXPANSION	RM.	ROOM
B.O.	BOTTOM OF	F.	FOOTING	SPEC.	PROJECT SPECIFICATION
B.O.F.	BOTTOM OF FOOTING	FCF	FACTORY CLEAR FINISH	SIM.	SIMILAR
C.J.	CONTROL JOINT OR CONSTRUCTION JOINT	F.F.	FINISHED FLOOR	THK.	THICK
	CENTER LINE	GALV.	GALVANIZED	TL.	TOILET
CDL.	COLUMN	GA.	GAUGE	T.O.	TOP OF
CONG.	CONCRETE	G.C.	GENERAL CONTRACTOR	T.O.F.	TOP OF FOOTING
CONT.	CONTINUOUS	G.W.B.	GYPSUM WALL BOARD	T.O.W.	TOP OF WALL
COORD.	COORDINATE	H.	HEIGHT	TYP.	TYPICAL - INDICATES MATERIAL OR REQUIREMENT NOTED SHALL BE CONSIDERED AS CALLED FOR AT ALL SIMILAR
C.T.	CERAMIC TILE	HN	HOLLOW METAL DOOR FRAME		
DM.	DIMENSIONS	MAT.	MATERIAL		
DWS.	DRAWING	MFG.	MANUFACTURER	W/	WITH
		MTL.	METAL	WD.	WOOD

GRAPHIC SYMBOLS			
	FIRE RATED PARTITION		SECTION REFERENCE
	CMU WALL		DETAIL REFERENCE
	HIDDEN WALLS / OBJECTS / FUTURE CONSTRUCTION		DOOR NUMBER
	CAST-IN-PLACE CONCRETE		WINDOW LETTER
	INSULATED WALL PANEL		PARTITION TYPE REFERENCE
	CONCRETE FOOTING		HEAT DETECTOR
	SQUARE FOOTAGE		CARBON MONOXIDE DETECTOR
	VERTICAL ELEVATION DESIGNATION		HARDWIRED SMOKE DETECTOR
	ELEVATION REFERENCE		EMERGENCY LIGHTING SYSTEM / EXIT SIGN
	GROUND FAULT INTERRUPTED DUPLEX OUTLET		FIRE EXTINGUISHER
			DUPLEX OUTLET
			JUNCTION BOX

DOCUMENT LIST	
T-1 Title Sheet	P-1 Plumbing Plan - Domestic Water
C-1 Septic Expansion Plan	P-2 Plumbing Plan - Sanitary & Vent
C-2 Septic Expansion Details	P-3 Plumbing Details, Symbols, Notes & Abbvrs.
A-1 Existing Conditions / Demolition Plan	M-1 Mechanical Floor Plan
A-2 New Construction Plan	M-2 Mechanical Roof Plan
A-3 Reflected Ceiling / Lighting Plan	M-3 Mechanical Schedules Details, Notes & Abbvrs.
A-4 Enlarged Plans & Interior Elevations	E-1 Electrical Plan
A-5 Enlarged Plans & Interior Elevations	E-2 Lighting Plan
DP-1 Plumbing Demolition Plan	E-3 Roof Electrical Plan
DM-1 Mechanical Demolition Plan	E-4 Electrical Panel Board, Schedules & Power Riser
DE-1 Electrical Demolition Plan	E-5 Electrical Schedules, Details, Symbols, Notes & Abbreviations



EVELYN COLE SMITH ARCHITECTS, LLC
PO Box 182
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Putnam, CT
06260
860 315 9570
www.ecsarchitects.com

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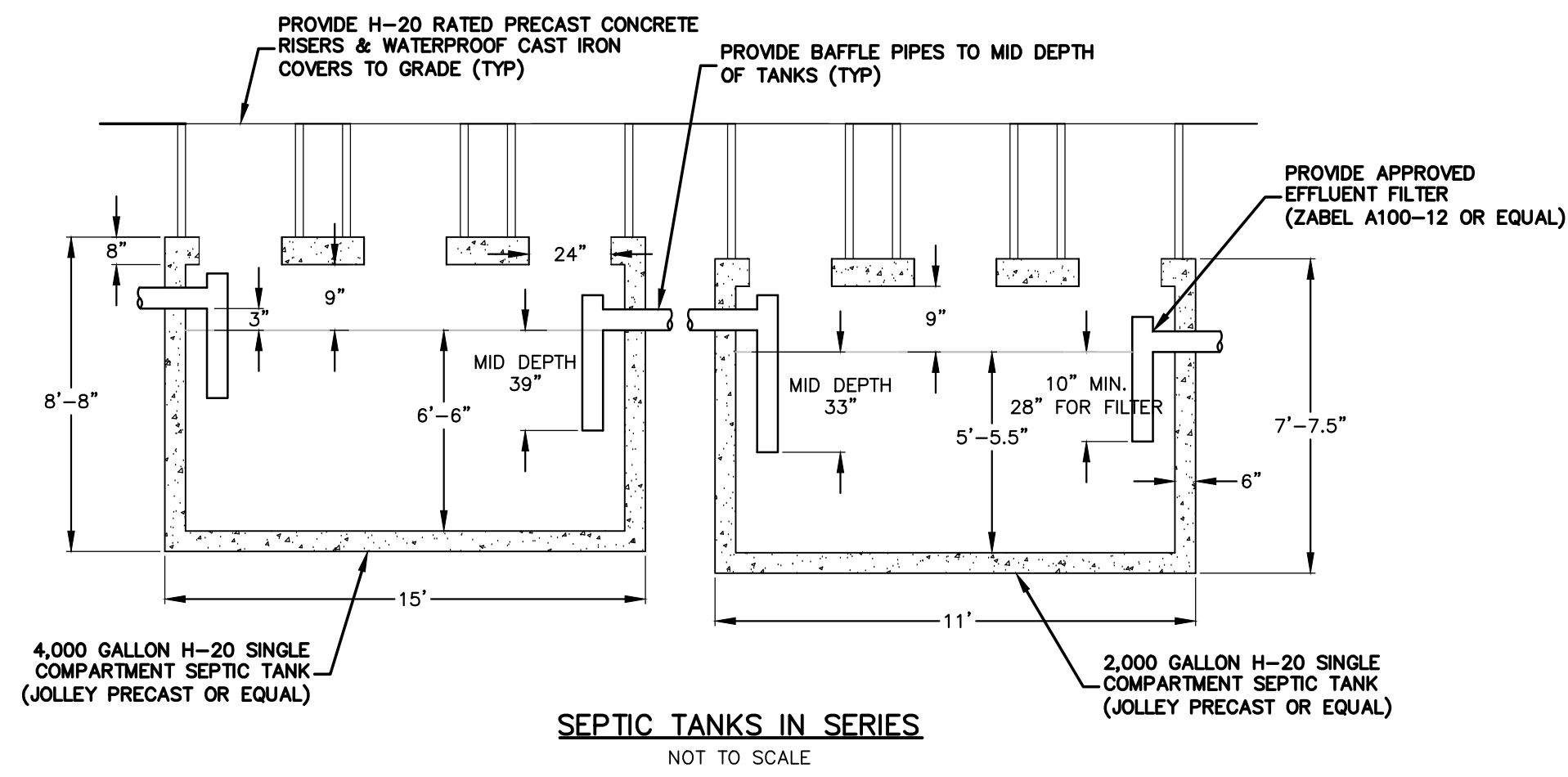
SHEET TITLE	
Construction Documents	
Title Sheet	

PROJ. NO.	2018048
SCALE	AS NOTED
DATE	June 26, 2019
DESIGNED	LYN SMITH, AIA, LEED AP
DRAWN	CLINTON RICHMOND
CHECKED	ECS

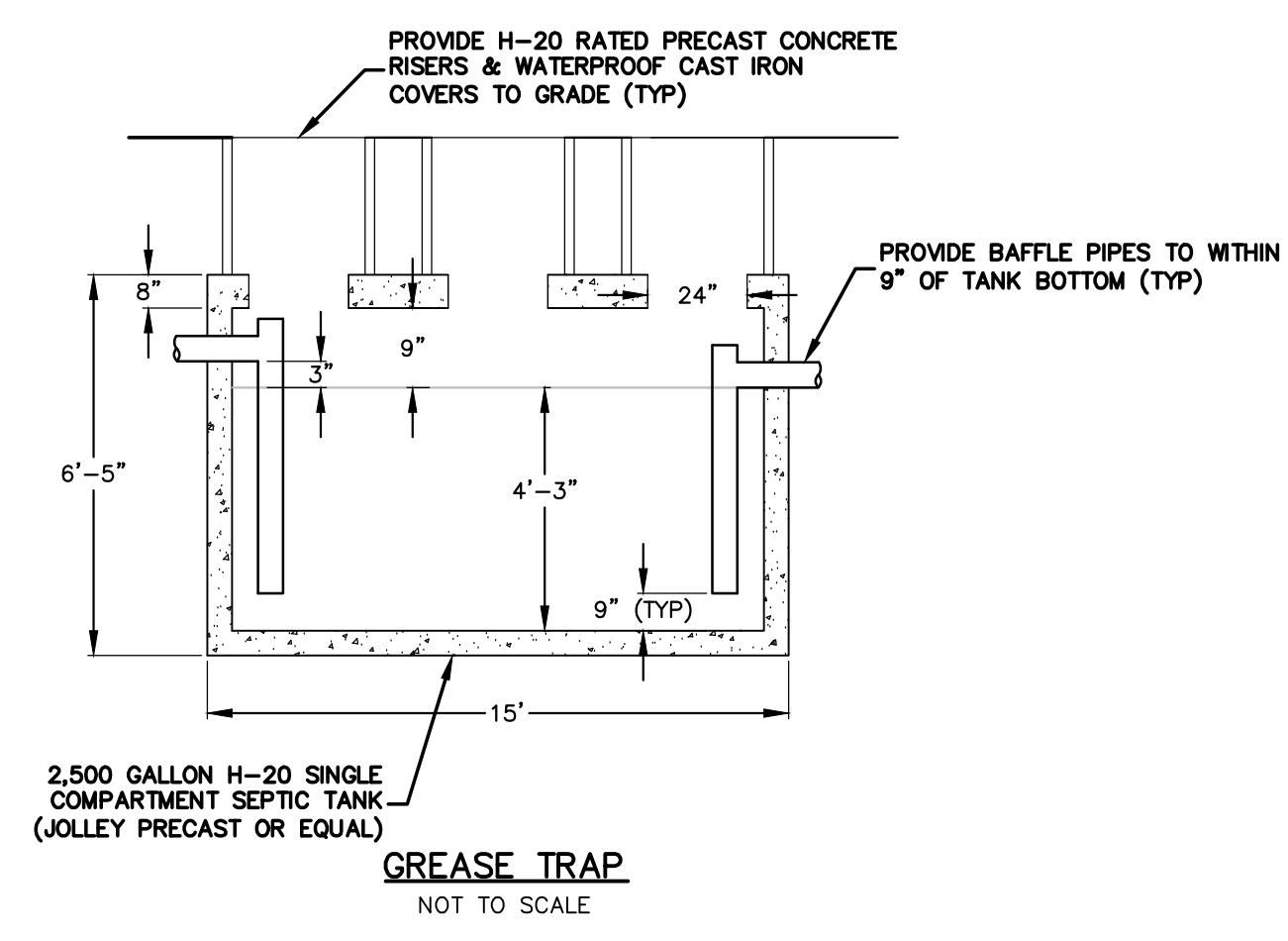
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T-1

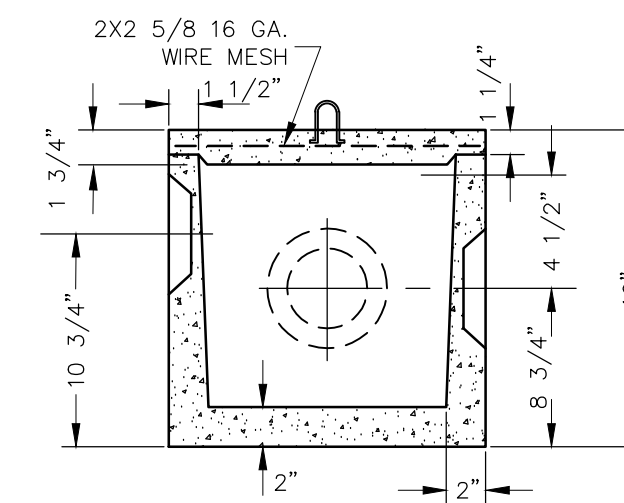
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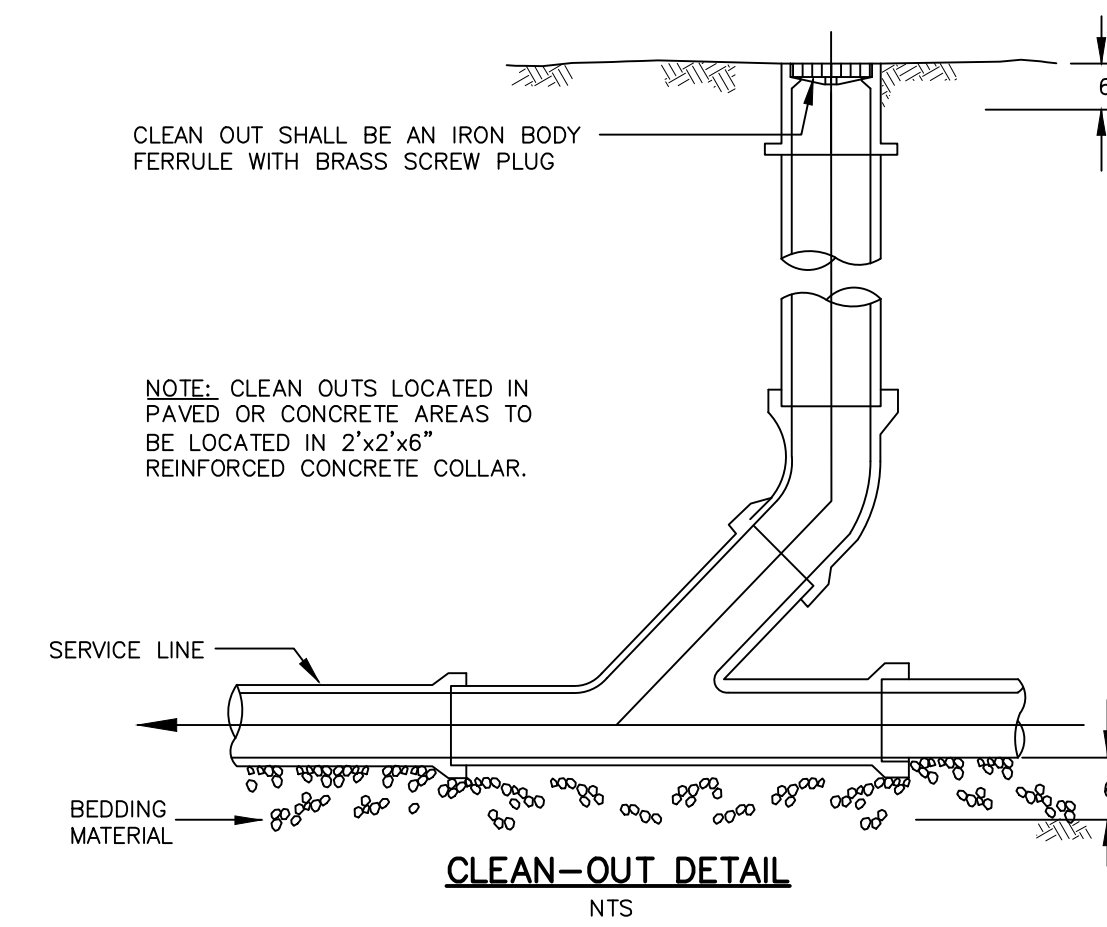
SEPTIC TANKS IN SERIES
NOT TO SCALE



GREASE TRAP
NOT TO SCALE



STANDARD D-BOX
NOT TO SCALE



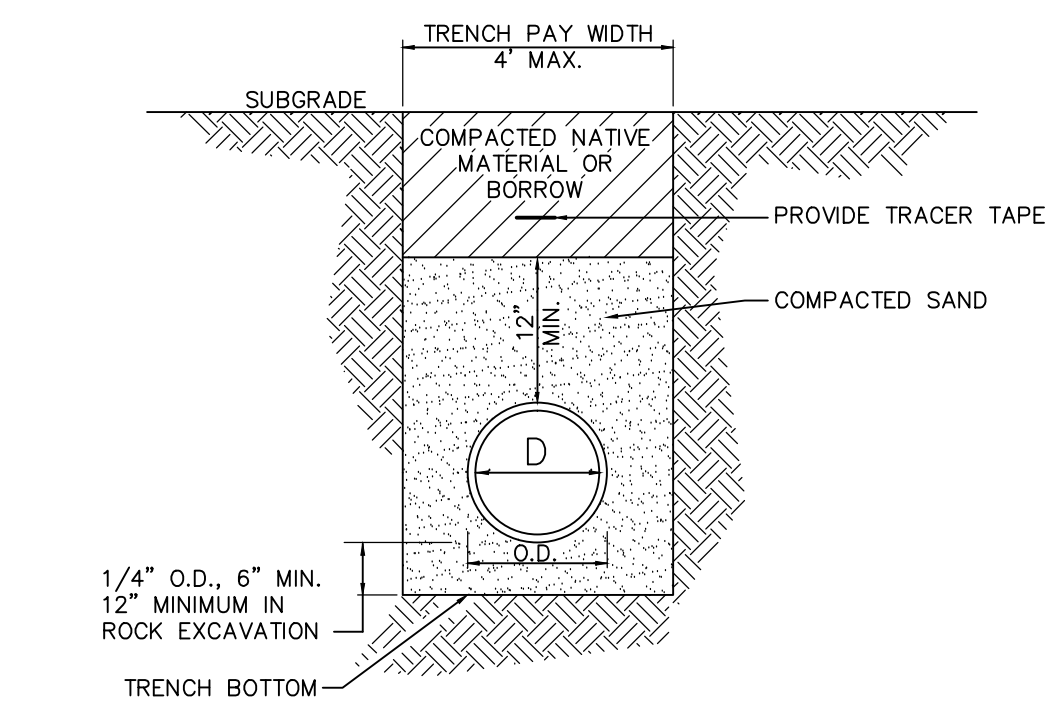
CLEAN-OUT DETAIL
NTS

SEPTIC SYSTEM FILL MATERIAL SPECIFICATIONS

- 1.) THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE(3) INCHES.
- 2.) UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
- 3.) THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED
- 4.) THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

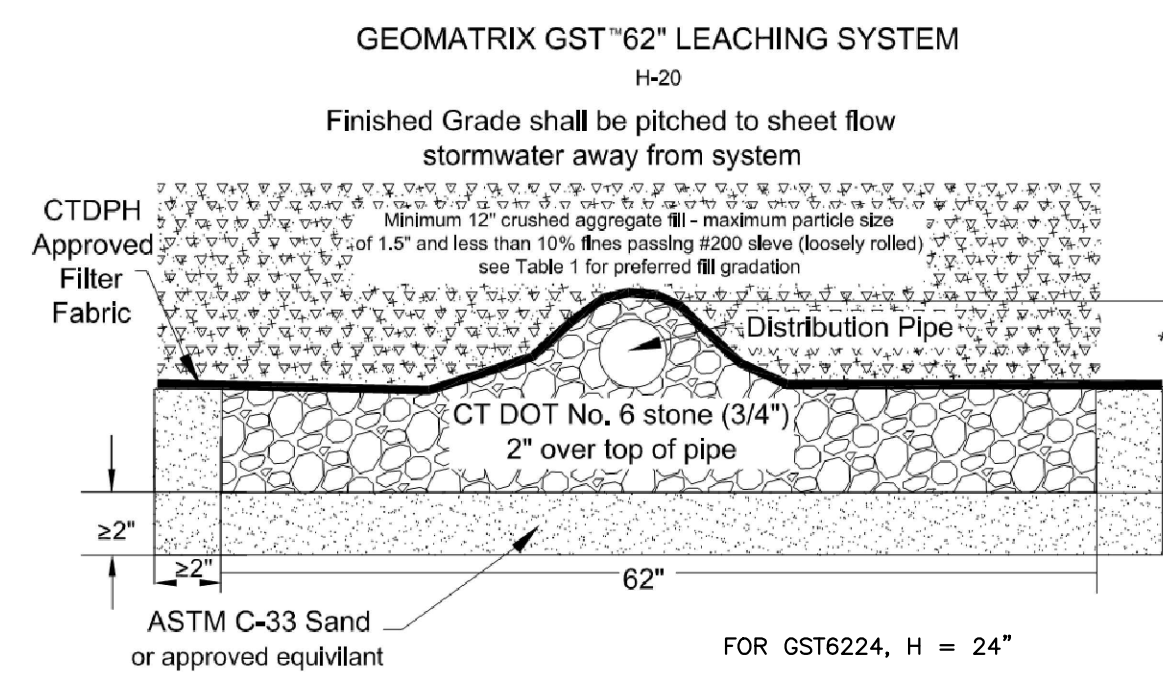
SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100%	100%
#10	70%-100%	70%-100%
#40	10%-50% *	10%-75%
#100	0%-20%	0%-5%
#200	0%-5%	0%-2.5%

*NOTE: PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 DOES NOT EXCEED 5%

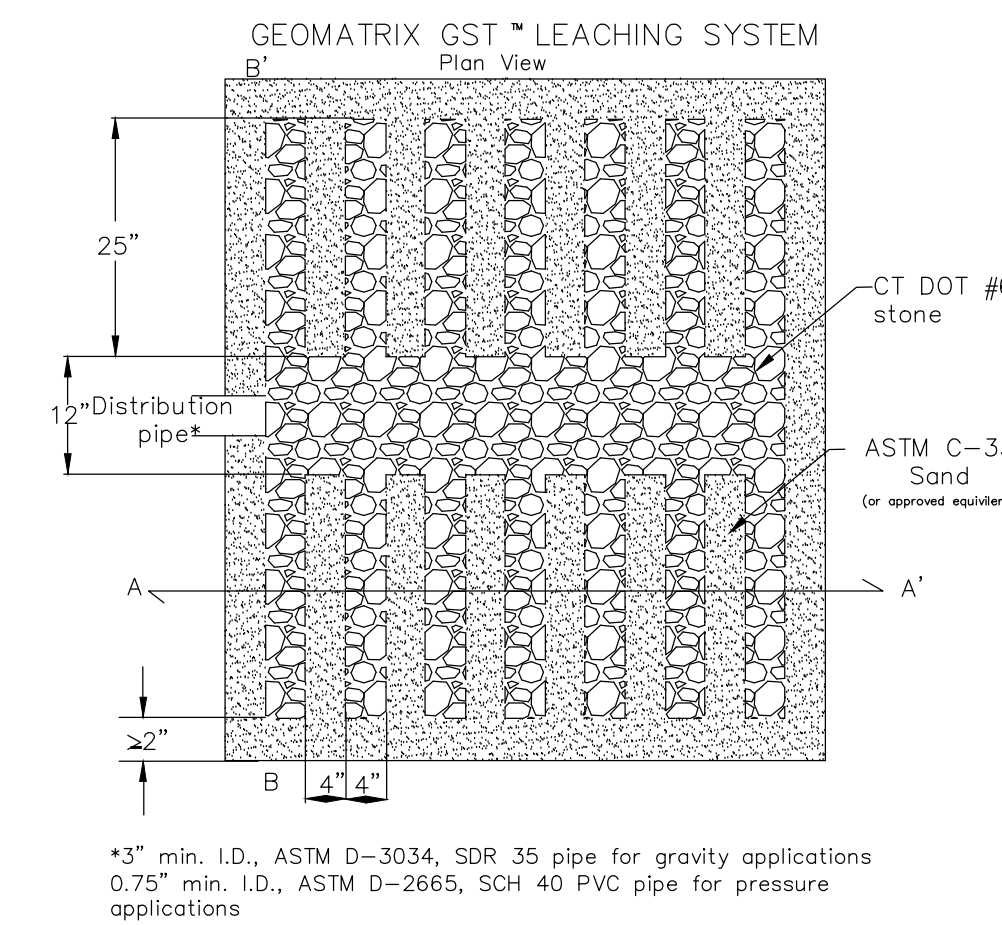


TRENCH SECTION FOR SANITARY SEWER TRENCH
NOT TO SCALE

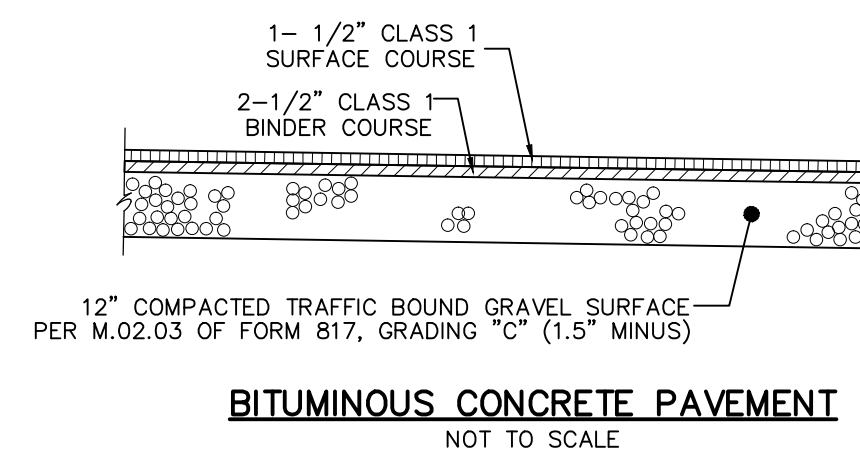
NOTE: BACKFILL MATERIAL TO BE PLACED IN 12" MAXIMUM LIFTS & COMPACTED TO 95% MAXIMUM DRY DENSITY (AS DETERMINED BY THE MODIFIED PROCTOR METHOD)



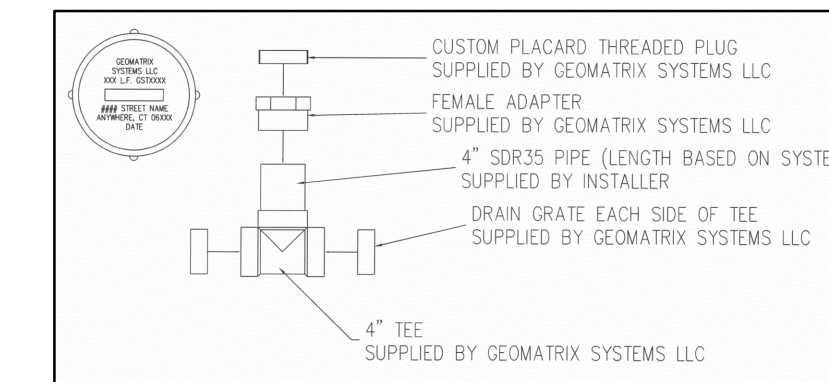
GEOMATRIX GST 62\"/>



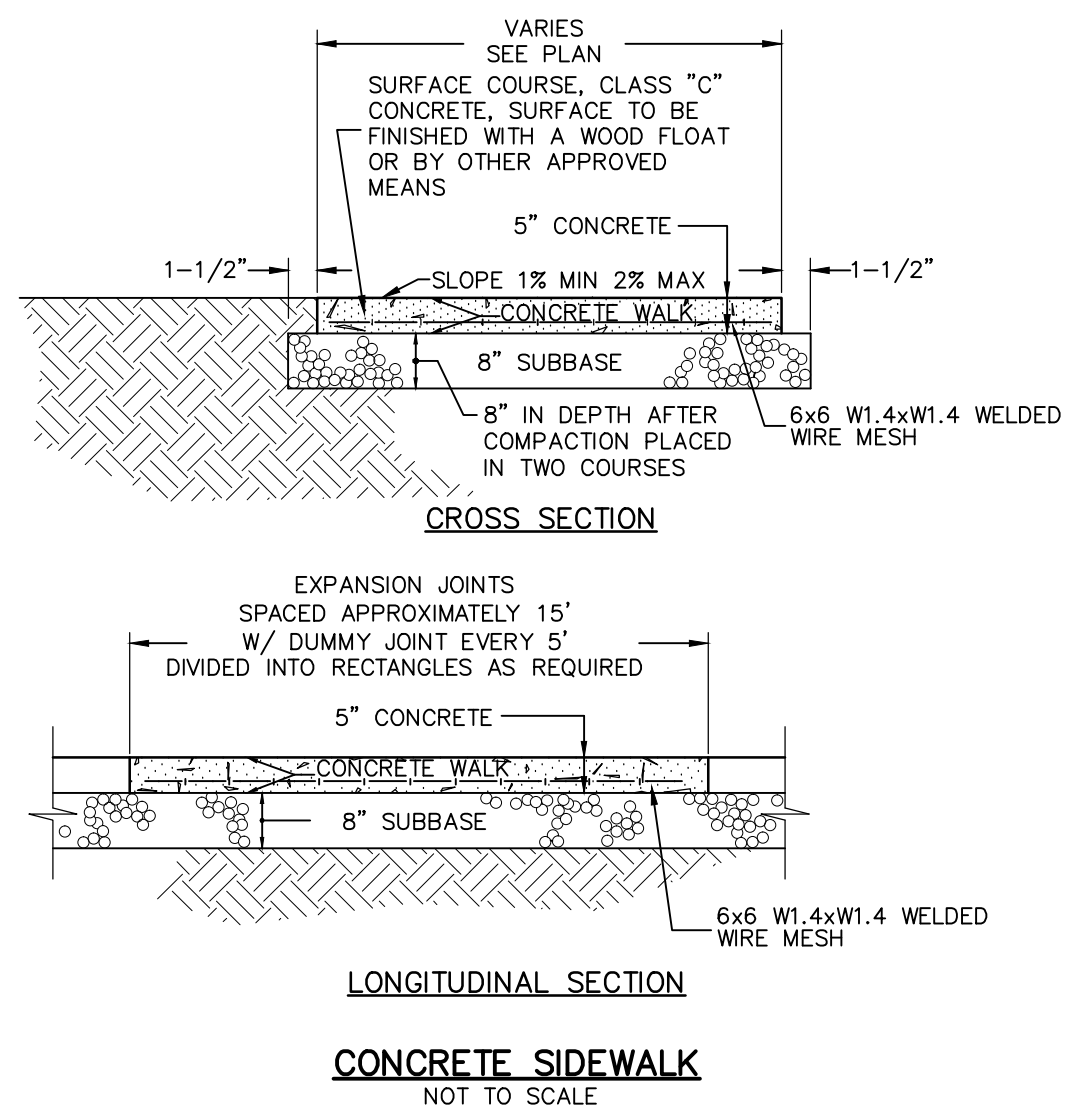
*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications
0.75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure applications



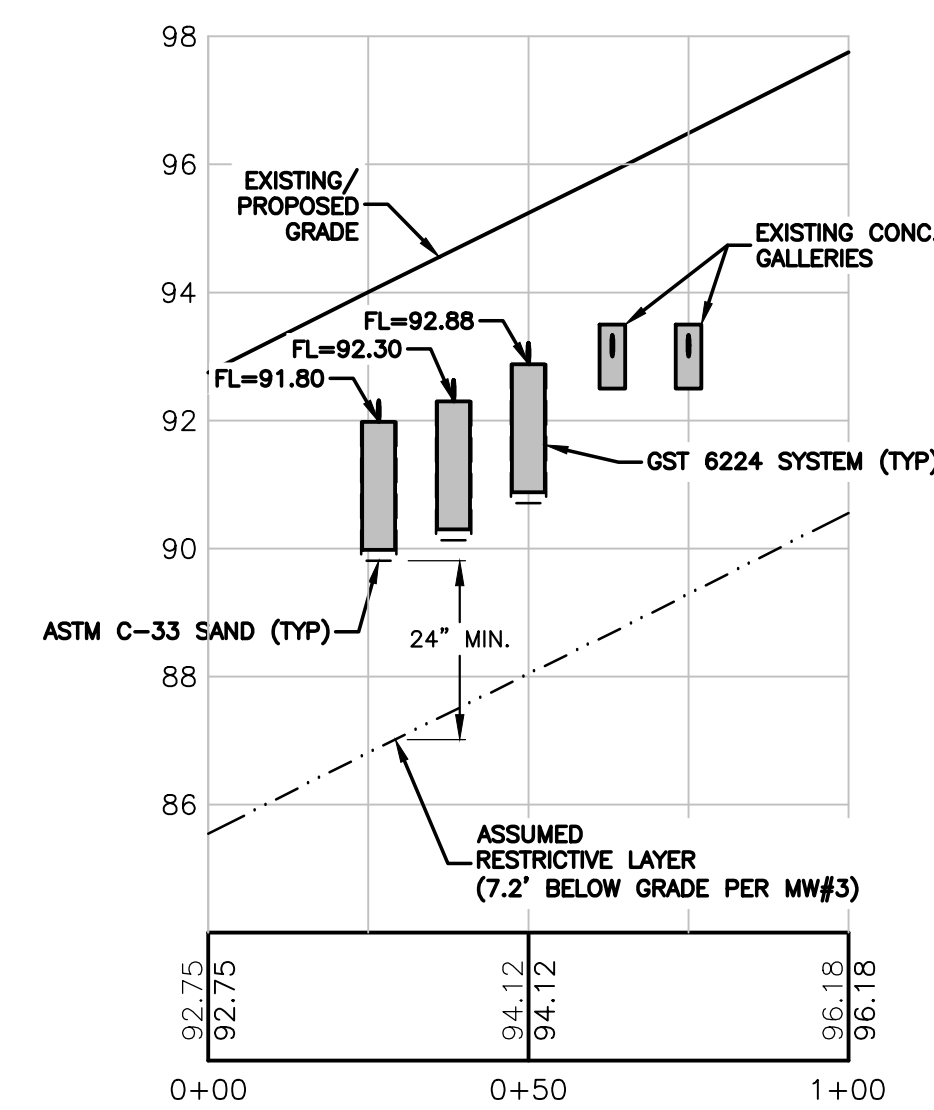
BITUMINOUS CONCRETE PAVEMENT
NOT TO SCALE



GEOMATRIX INSPECTION PORT
NOT TO SCALE



CONCRETE SIDEWALK
NOT TO SCALE

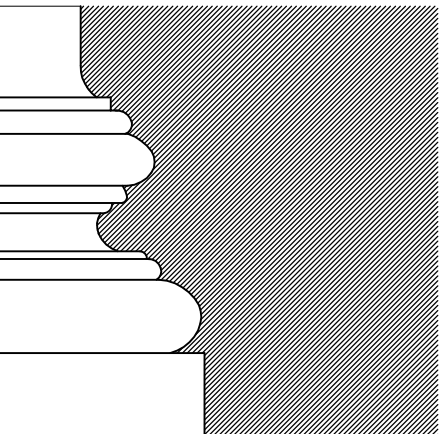


CROSS SECTION
1"=30' HORIZONTAL
1"=3' VERTICAL

JOB DATA		REVISIONS	
NO.	DATE	DESCRIPTION	BY
1	07/01/2019	CT DPH COMMENTS	PMP
		DESIGNED	PMP
		DRAWN	KLD
		CHECKED	
		COORD FILE	
		FILE	

DATE: 04/22/2019
SCALE: AS NOTED
PROJECT #2018088

QUALITY CONTROL CERTIFICATION		
GROUP	REVIEWED	DATE
PROJECT MANAGER		
SURVEY		
ENVIRONMENTAL		
CIVIL		



EVELYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

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Prepared for
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REVISIONS

Date	Description

SHEET TITLE

Construction
 Documents
 Existing Conditions /
 Demolition Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE June 26, 2019

DESIGNED LYN SMITH, AIA, LEED AP

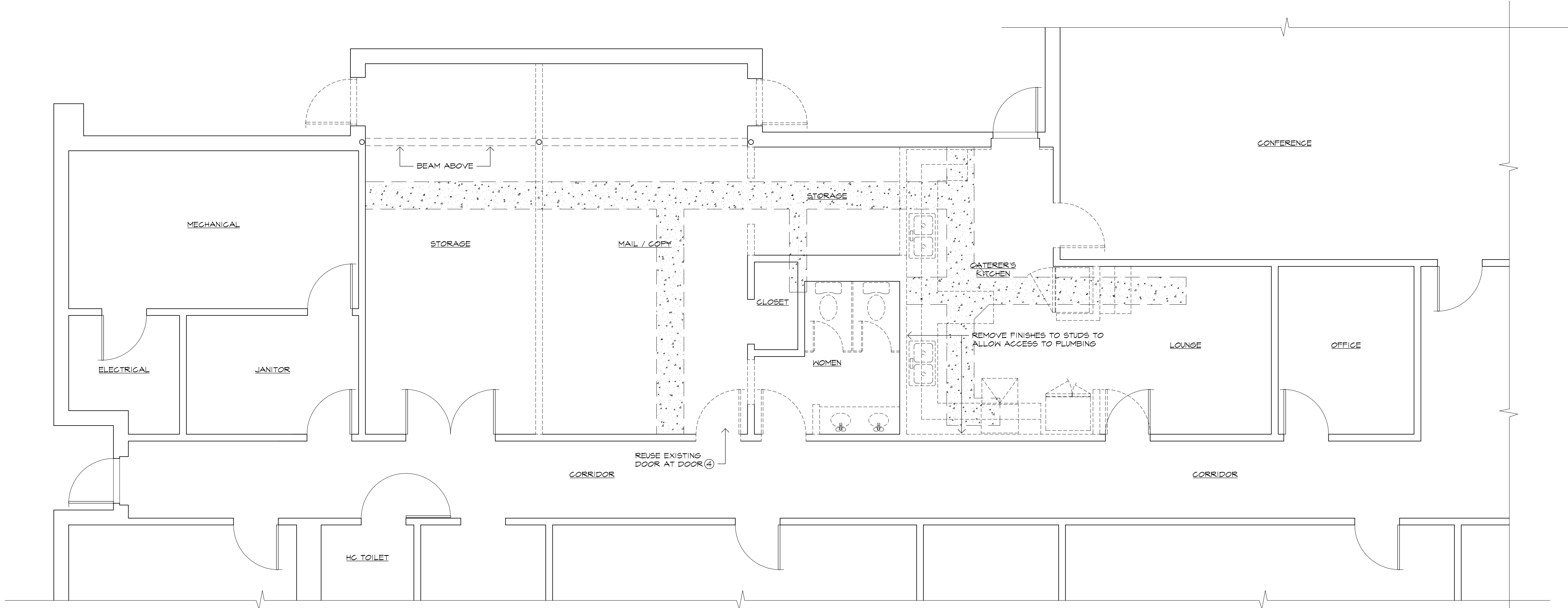
DRAWN CLINTON RICHMOND

CHECKED ECS

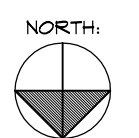
SHEET

A-1

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1 FIRST FLOOR EXISTING / DEMOLITION PLAN
 SCALE: 1/4"=1'-0"



- NOTES:
- SEE DP-1, DM-1, AND DE-1 FOR PLUMBING, MECHANICAL & ELECTRICAL DEMOLITION EXTENTS.
 - EXISTING FLOOR FINISHES TO BE REMOVED TO CONCRETE SLAB. PREPARE SLAB FOR NEW TILE FLOOR.
 - EXISTING ACOUSTIC TILE CEILING & GRID TO BE REMOVED.
 - REMOVE EXISTING CONCRETE SLAB GENERALLY IN LOCATIONS SHOWN. COORDINATE WITH PLUMBING DRAWINGS.

LEGEND

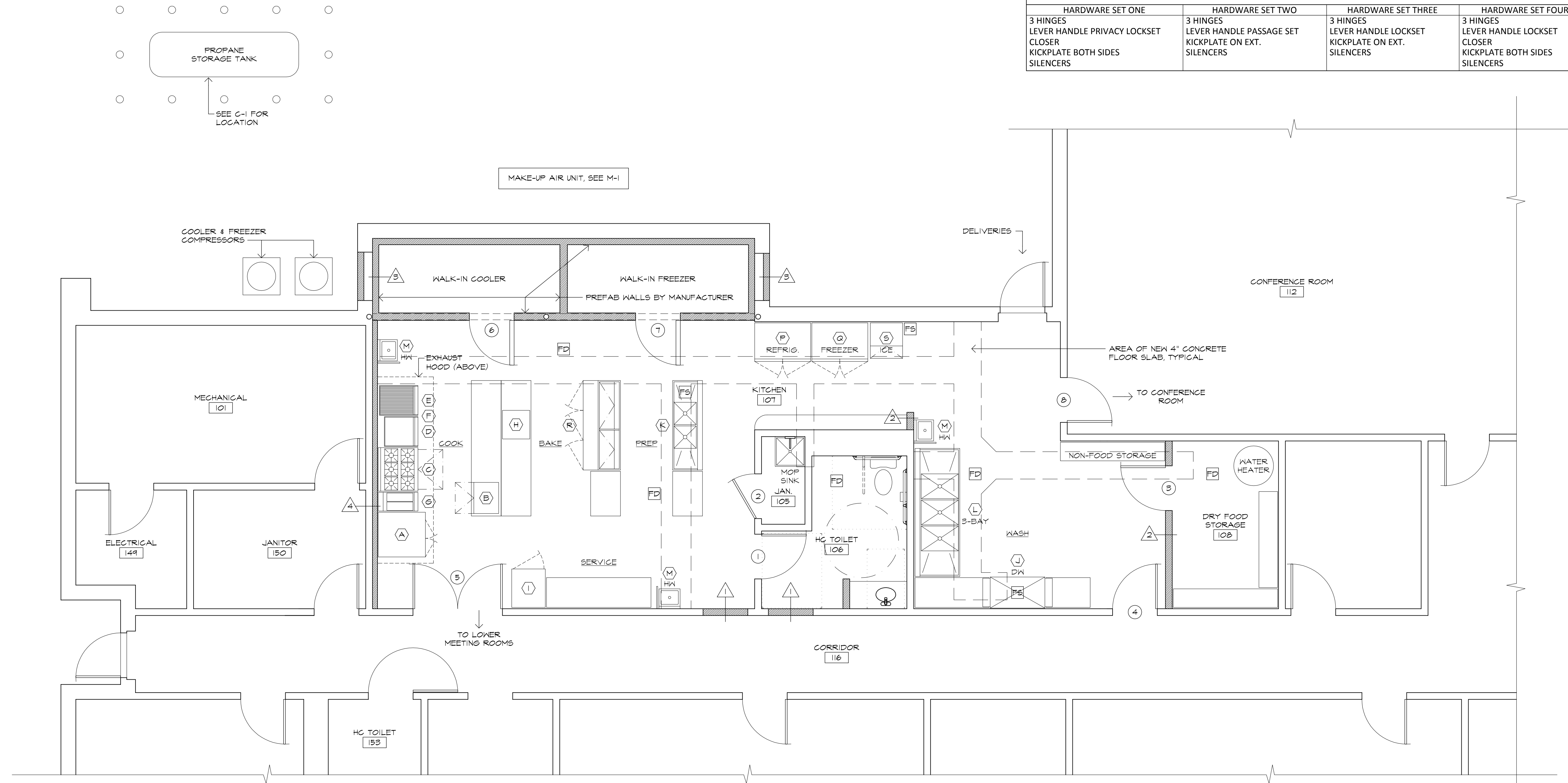
- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- EXISTING SLAB TO BE REMOVED

EQUIPMENT SCHEDULE																
Mark	Description	Manufacturer	Model	Dimensions			Electrical			Owner Supplied	Plumbing				Gas	Remarks
				Height	Width	Depth	Volt	Phase	Amp		Cold	Cold	Hot	Drain		
A	Electric Convection Oven Double Stack SHO-E	Blodgett	230-035	70	38	36	220/240	3								
B	Large Capacity Steamer/Microwave 3200 Watts	Panasonic	NE-3280	18	25	20	208/230	1								30 AMP NEMA 6-30R
C	6 Burner Gas Range	Vulcan	SX36-68P	56	36	32										
D	Flat Top Griddle 40722 Cayenne 24"	Vollrath	40722	16	24	27										LP
E	24" Radiant/Lava Rock Charbroiler	Vollrath	924CG	17	24	31										N or LP
F	Equipment Stand	Vollrath	40742	24	48	24										P
G	High Efficiency Fryer 35 lb oil capacity	Pitco	VF355	46	15	32										LP
H	Slicer	Hobart	Edge 12	26	23	22	120	1	4							
I	Holding and Transport Cabinet	Metro	C539-HDS-U-GY	71	27	31	120		16							NEMA 5-20P
J	High Temperature Conveyor Dishwasher	Jackson	AJX-44CE	75	44	25										
K	2 Bowl Pot and Dish Sink	Fabricated Economy Sinks	FC-2-1818-18R/L	38	57	24					X	X	X	X		
L	3 Compartment Pot Sink	John Boos	3B20304-2D20	43	103	36					X	X	X	X		
M	Hand Sink	Advance Tabco	7-PS-EC-X	34	17	15					X	X	X	X		
N	Immersion Blender	Kitchen Aid	KHBC100B				120									
P	Reach-in Refrigerator	Value Series	69K-602	82	54	31	120									
Q	Reach-in Freezer	Value Series	69K-605	82	54	31	120									
R	Sandwich Prep Table	Kratos Refrigeration	69K-835	44	72	30	120									
S	Ice Machine															

DOOR SCHEDULE										
DOOR NUMBER	DESCRIPTION	SIZE			TYPE	FEATURES		FRAME		REMARKS
		WIDTH	HEIGHT	THICKNESS		FLUSH WOOD	TEMPERED GLASS	PRE-MANUFACTURED	HARDWARE SET	
1	HC TOILET	3'-0"	6'-8"	1 3/8"	A	•		HM	1	NEW DOOR AND FRAME.
2	JANITOR	3'-0"	6'-8"	1 3/8"	A	•		HM	2	REUSE DOOR IN EXIST. FRAME. ADD STOP.
3	DRY FOOD STORAGE	3'-0"	6'-8"	1 3/8"	A	•		HM	3	NEW DOOR AND FRAME.
4	CORRIDOR	3'-0"	6'-8"	1 3/8"	A	•		HM	4	REUSE EXISTING DOOR. NEW FRAME.
5	CORRIDOR	PAIR 3'-0"	6'-8"	1 3/8"	A	•		HM		EXISTING PAIR.
6	WALK-IN COOLER	3'-0"	6'-8"		C		•			BY COOLER MANUFACTURER
7	WALK-IN FREEZER	3'-0"	6'-8"		C		•			BY FREEZER MANUFACTURER
8	CONFERENCE	3'-0"	6'-8"	1 3/8"	A	•		HM		EXISTING DOOR AND FRAME

NOTES:
1. CONTRACTOR TO VERIFY EXISTING DOORS AND OPENINGS DIMENSIONS.
2. KEYING TO BE COORDINATED WITH OWNER.

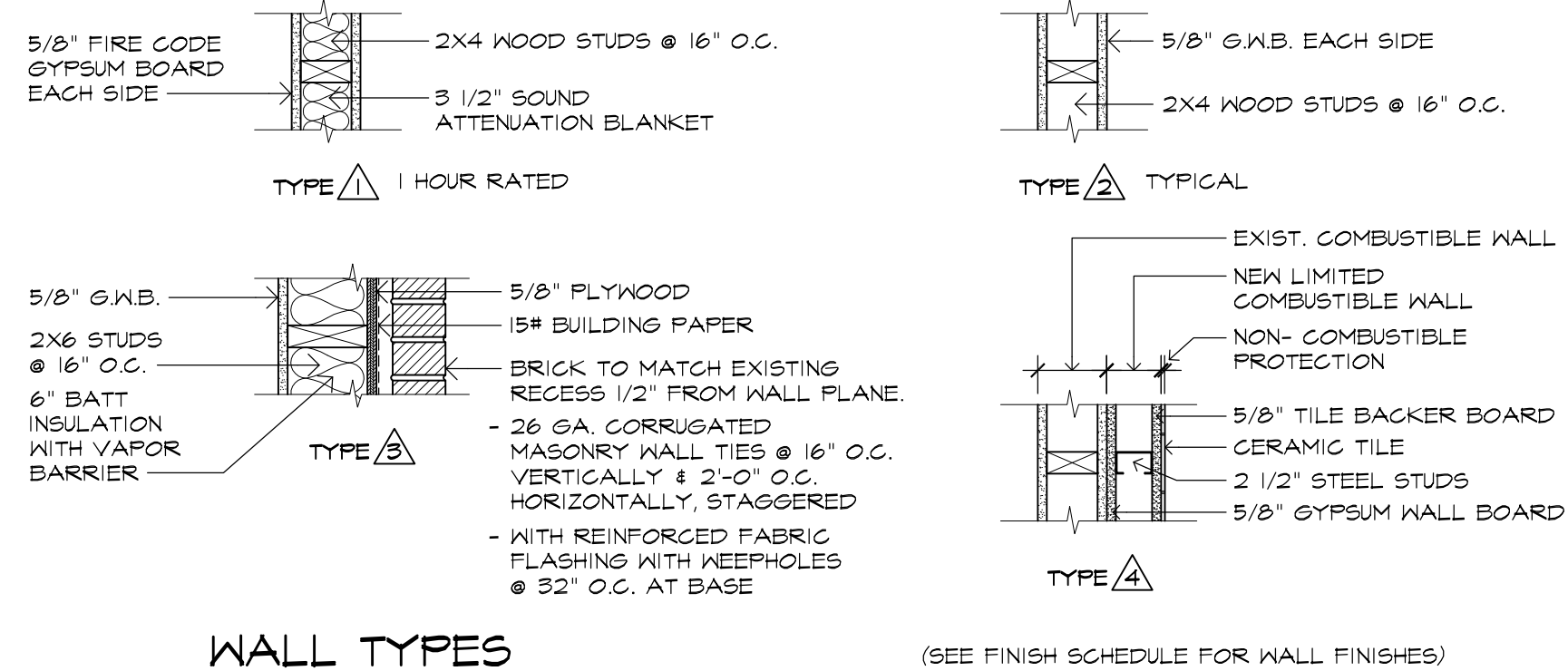
HARDWARE SET ONE	HARDWARE SET TWO	HARDWARE SET THREE	HARDWARE SET FOUR
3 HINGES LEVER HANDLE PRIVACY LOCKSET CLOSER KICKPLATE BOTH SIDES SILENCERS	3 HINGES LEVER HANDLE PASSAGE SET KICKPLATE ON EXT. SILENCERS	3 HINGES LEVER HANDLE LOCKSET KICKPLATE ON EXT. SILENCERS	3 HINGES LEVER HANDLE LOCKSET CLOSER KICKPLATE BOTH SIDES SILENCERS



LEGEND

- EXISTING WALL
- - - - EXISTING WALL TO BE REMOVED
- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- FD FIRE DETECTOR
- FS FLOOR SINK

1 FIRST FLOOR PROPOSED PLAN
SCALE: 1/4"=1'-0"



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REVISIONS

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SHEET TITLE

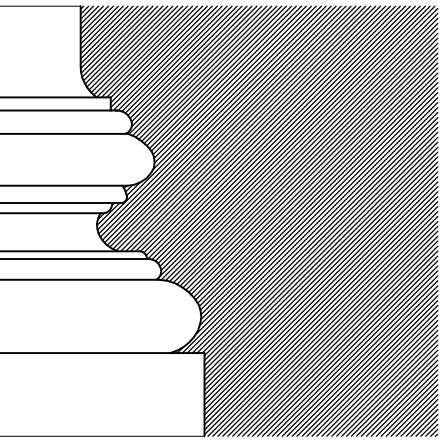
Construction Documents
New Construction Plan

PROJ. NO. 2018048
SCALE AS NOTED
DATE June 26, 2019
DESIGNED LYN SMITH, AIA, LEED AP
DRAWN CLINTON RICHMOND
CHECKED ECS

SHEET

A-2

5 OF 22



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Construction
 Documents
 Reflected Ceiling /
 Lighting Plan

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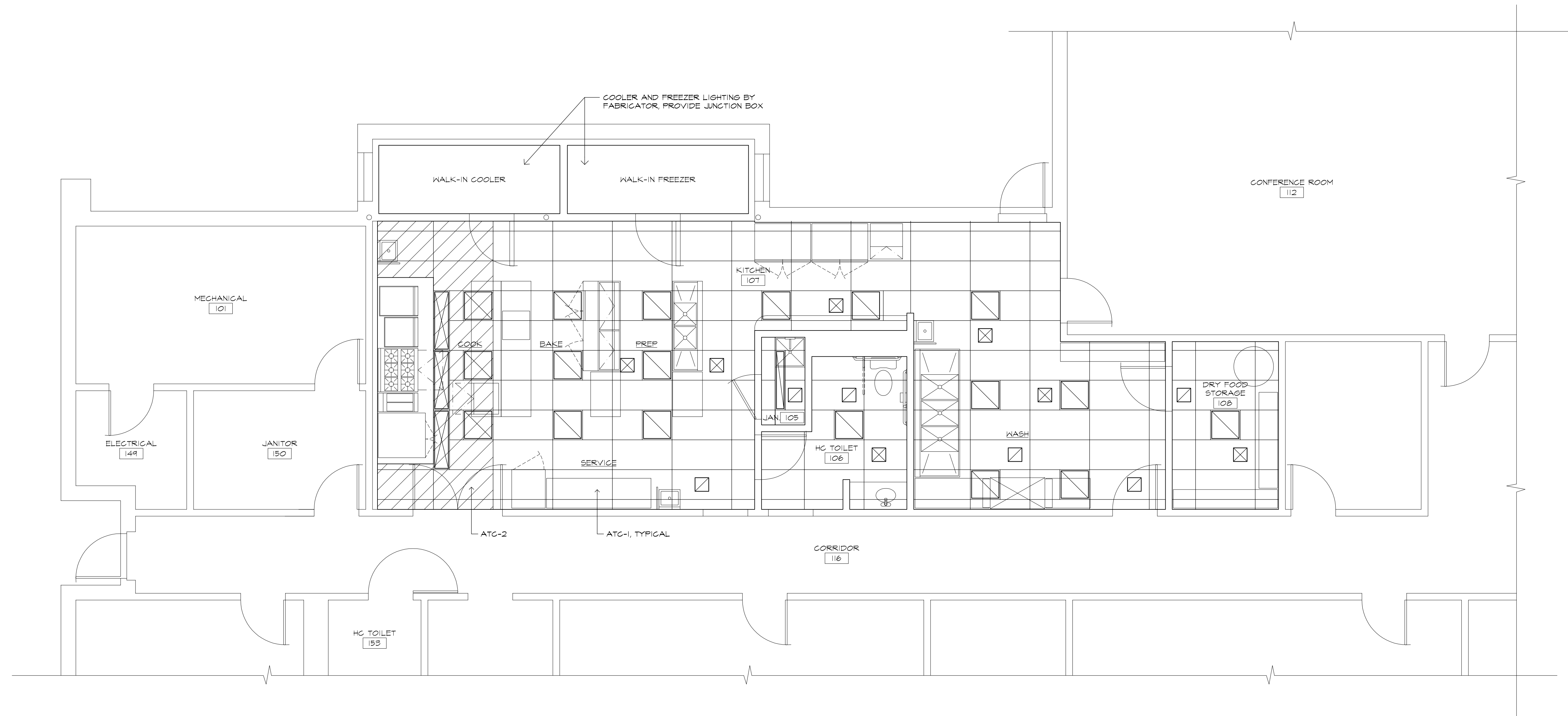
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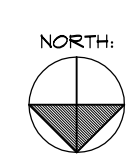
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A-3

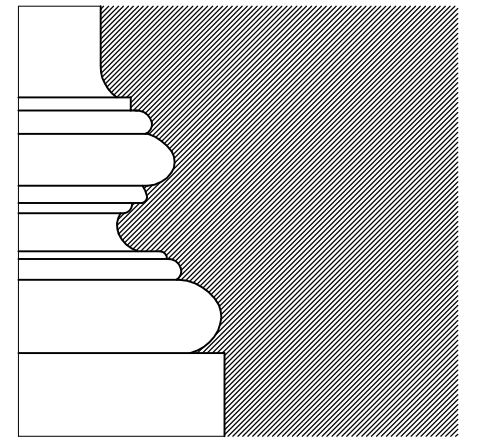
6 OF 22



1 FIRST FLOOR REFLECTED CEILING / LIGHTING PLAN
 SCALE: 1/4"=1'-0"



- NOTES:
1. NEW LAY-IN TILE CEILING HEIGHT TO BE AT 8'-0" A.F.F.
 2. SEE ELECTRICAL PLANS FOR LIGHTING FIXTURE SCHEDULE.
 3. SUPPLY AND RETURN AIR GRILLS TO BE CENTERED IN CEILING TILE. LOCATIONS SHOWN HERE ARE SCHEMATIC.



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 Enlarged Plans &
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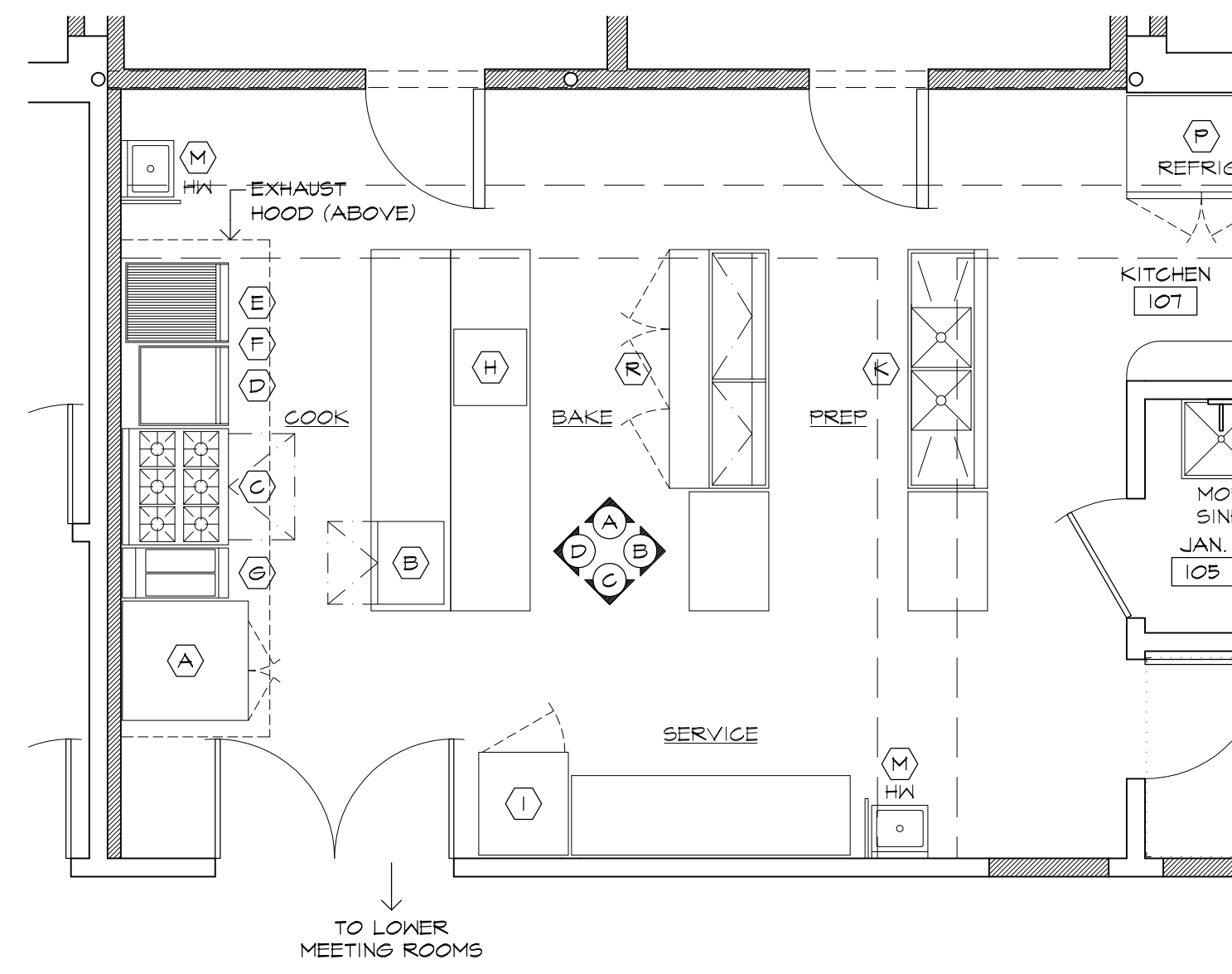
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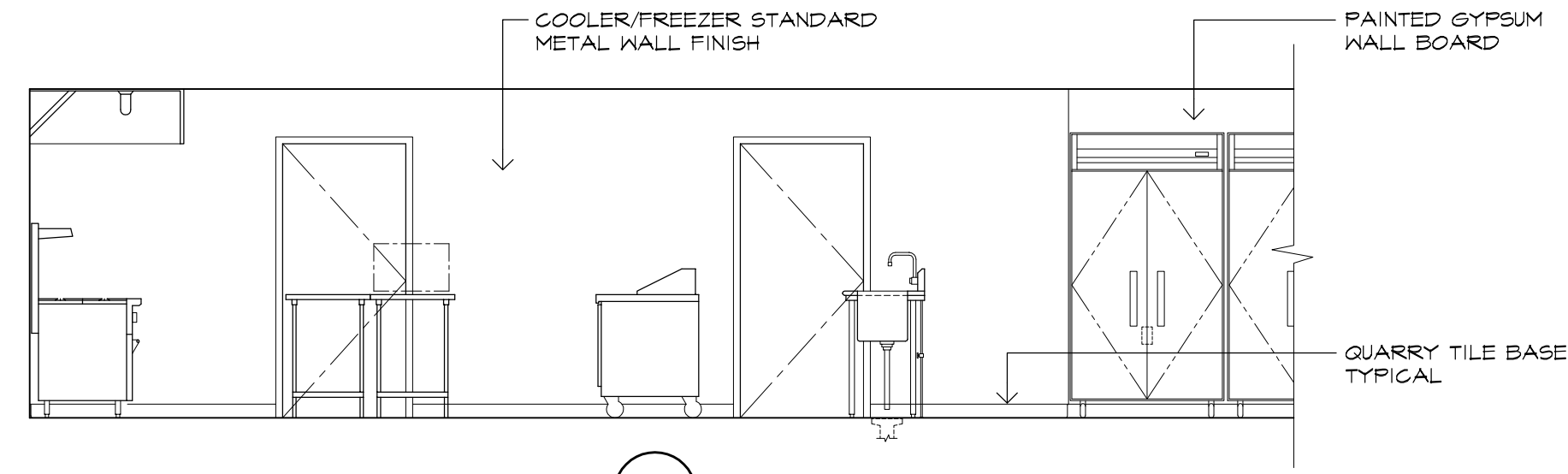
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A-4

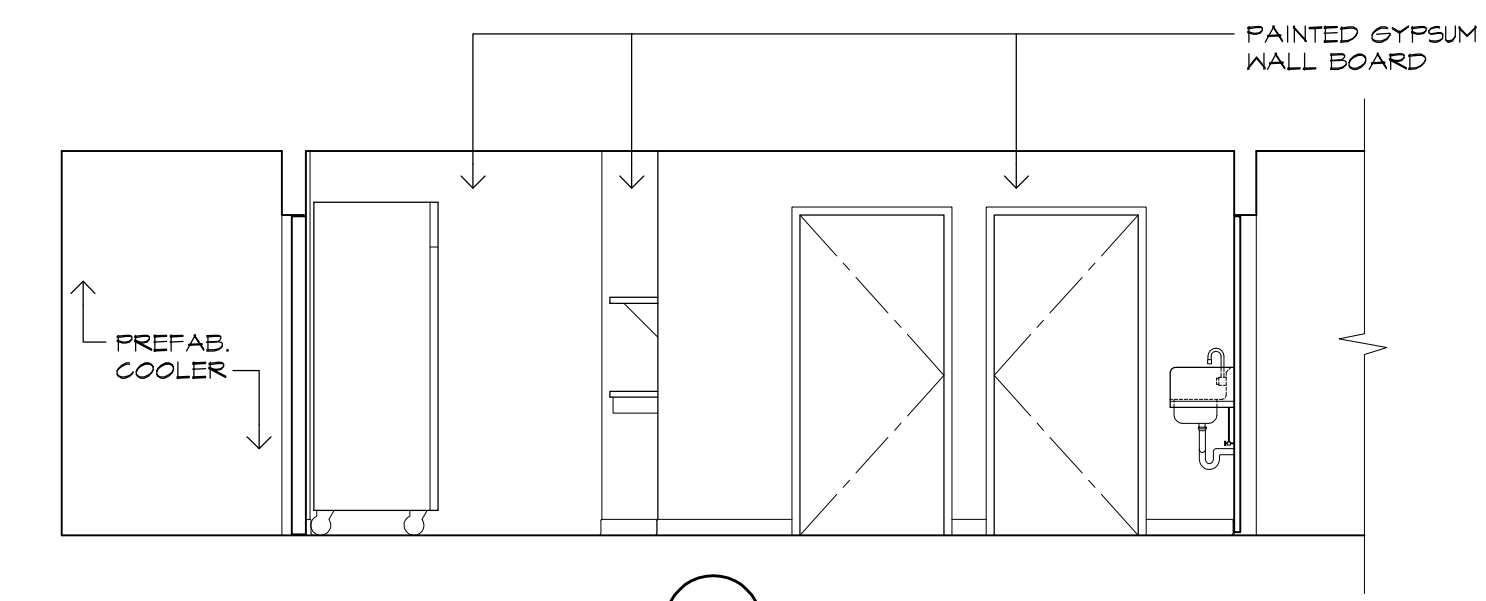
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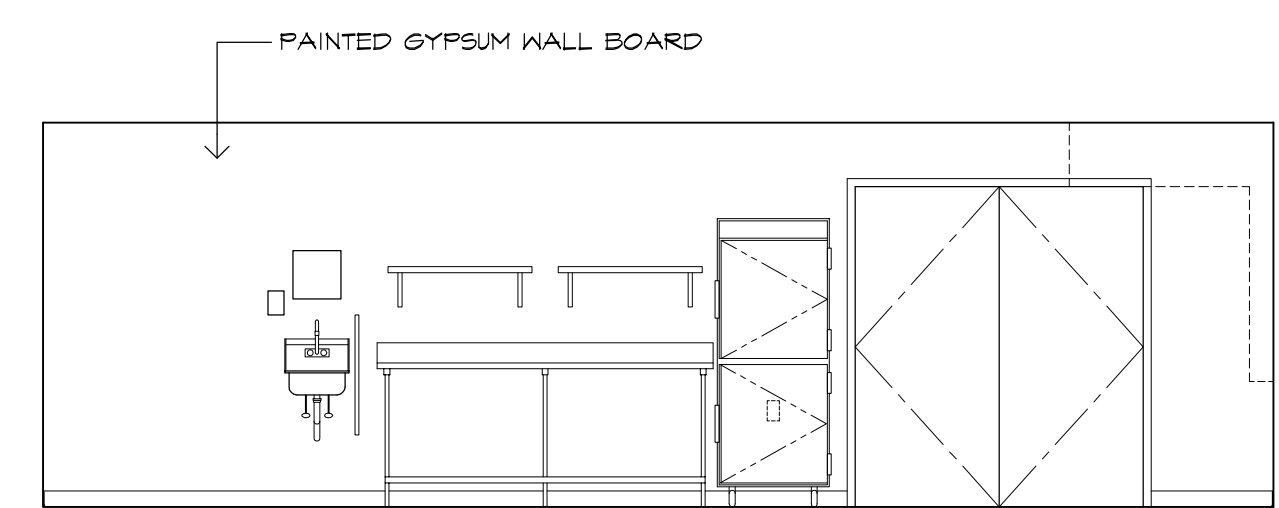
1 KITCHEN PLAN & INTERIOR ELEVATIONS
 SCALE: 1/4"=1'-0" NORTH



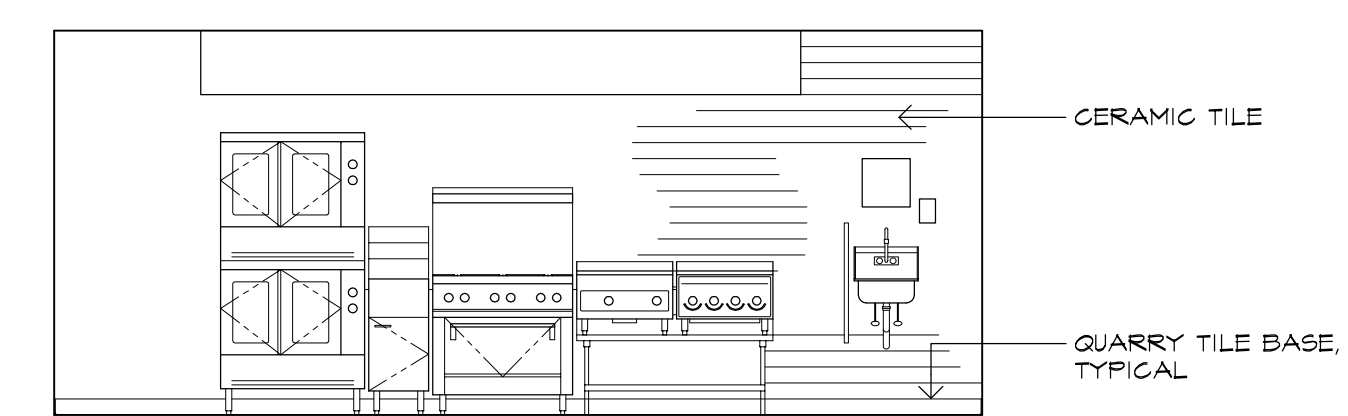
A SOUTH ELEVATION



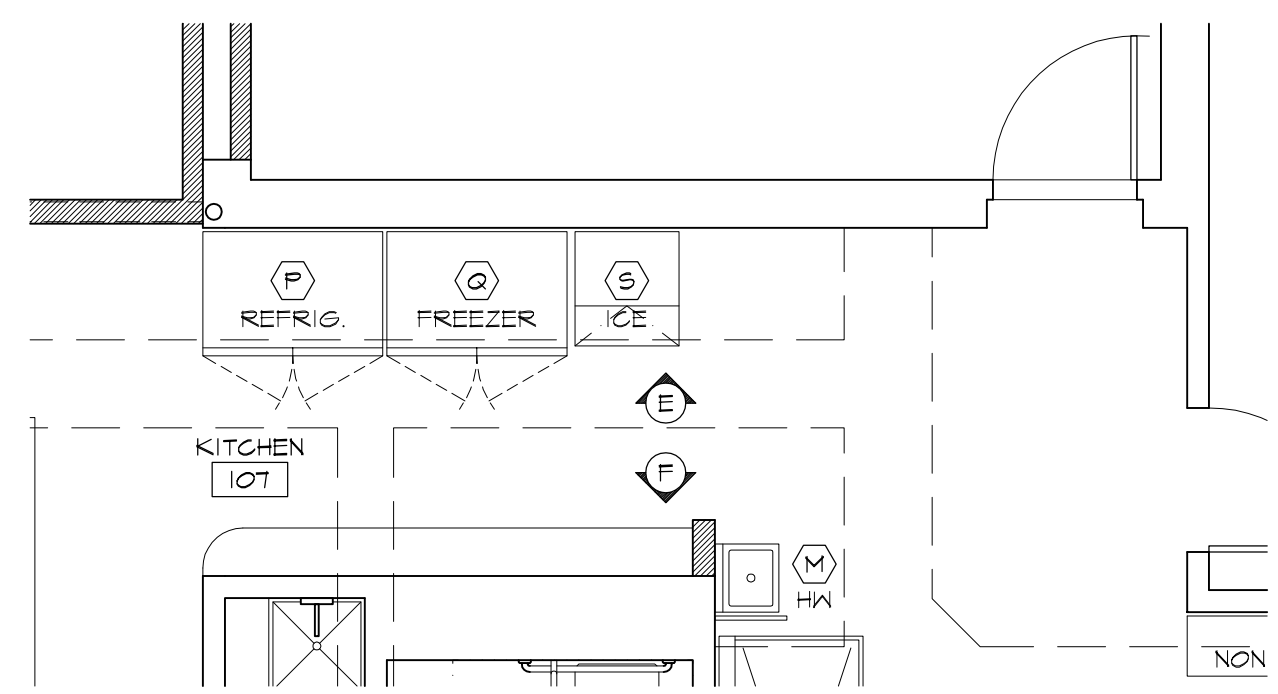
B WEST ELEVATION



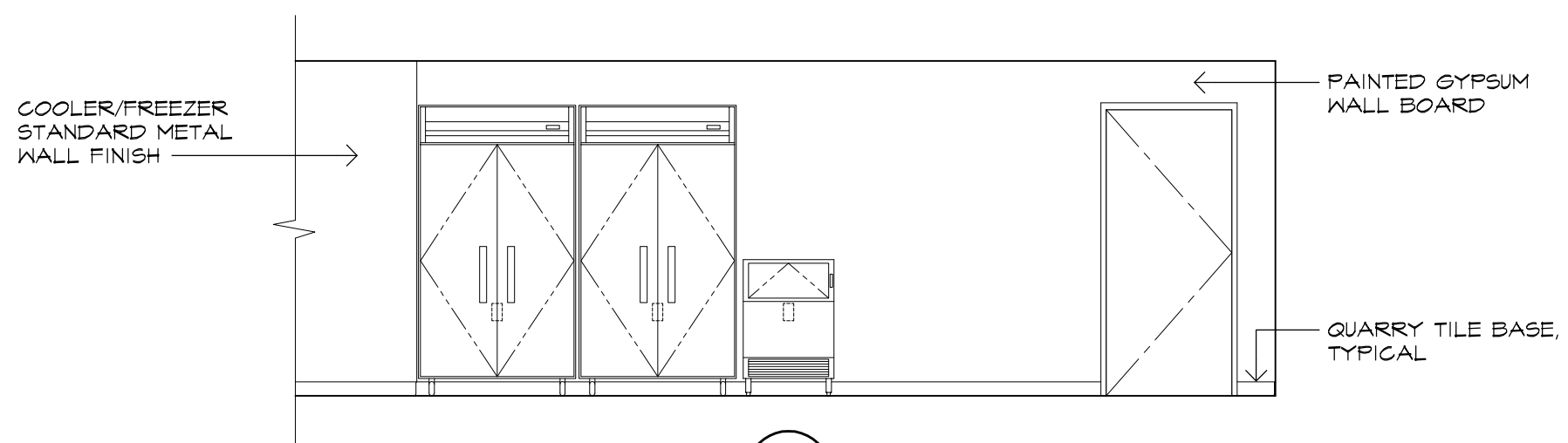
C NORTH ELEVATION



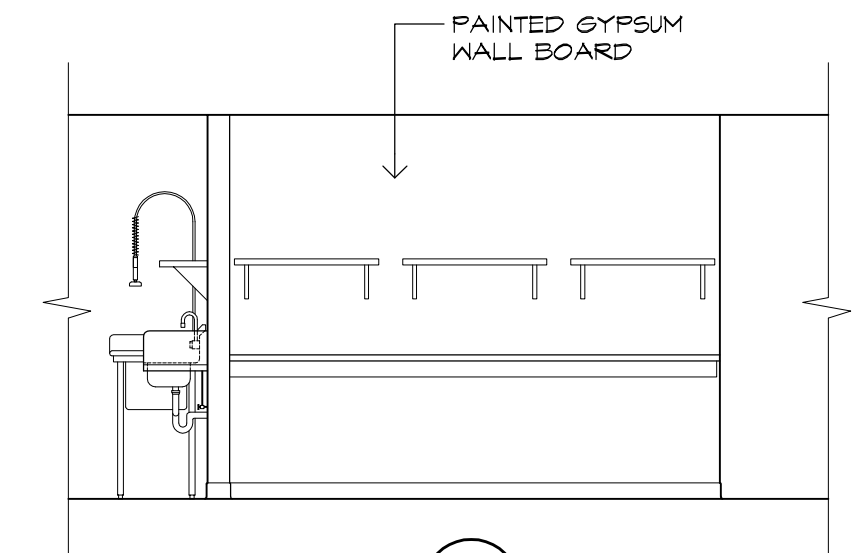
D EAST ELEVATION



2 KITCHEN PLAN & INTERIOR ELEVATIONS
 SCALE: 1/4"=1'-0" NORTH



E SOUTH ELEVATION

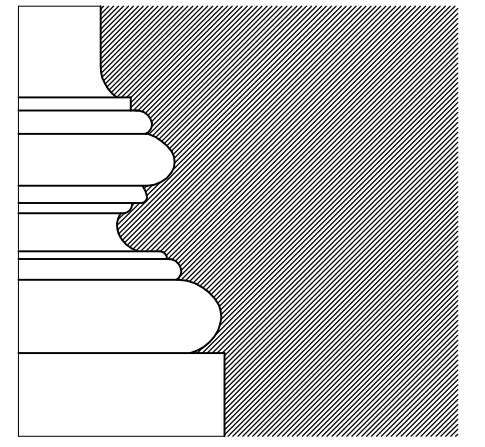


F NORTH ELEVATION

Room Name	Floor		Walls				Ceiling Material	Door Stain	Frame Paint	Remarks
	Material	Base	North	East	South	West				
Janitor	QT	QT	GW9	GW9	GW9	GW9	ACT	•	P-3	
Toilet	QT	QT	GW9/P-2	GW9/P-2	EX. CT	GW9/P-2	ACT	•	P-3	
Kitchen	QT	QT	GW9/P-2/FRP	CT-1/FRP	GW9/P-2	GW9/P-2	ACT	•	P-3	COOLER/FREEZER STANDARD FINISH
Dry Storage	QT	QT	GW9/P-2	GW9/P-2	GW9/P-2	GW9/P-2	ACT	•	P-3	

Notes: Materials listed are Basis of Design.
 QT: Quarry Tile. Metropolitan Ceramics, Quarry Basics, 6 x 6 floor tile with matching cove base and prefabricated inside and outside corners.
 ACT: Acoustic Ceiling Tile. Armstrong, Kitchen Zone, 24" x 24" tiles with Prelude grid.
 GW9: Gypsum Wall Board. Existing and new
 FRP: Fiberglass Reinforced Panel. Crane Composites, Glasbord FX, pebbled finish with matching trim. White.
 CT-1: Ceramic Tile. American Olean, Bright, 6" x 6" with bullnose top edge.
 EX. CT: Existing Ceramic Tile to remain
 P-1: Sherwin Williams, Ceiling white
 P-2: Sherwin Williams Epoxy, color to be determined
 P-3: Sherwin Williams Gloss Enamel, color to be determined

- Notes:**
- All equipment listed above will be purchased and installed by the owner.
 - Contractor to coordinate size and location of required hookups.



EVELYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

www.ecsarchitects.com

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RESERVED

PROJECT

Proposed
 Commercial Kitchen
EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

Prepared for
EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

Construction Documents

Enlarged Plans & Interior Elevations

PROJ. NO. 2018048

SCALE AS NOTED

DATE June 26, 2019

DESIGNED LYN SMITH, AIA, LEED AP

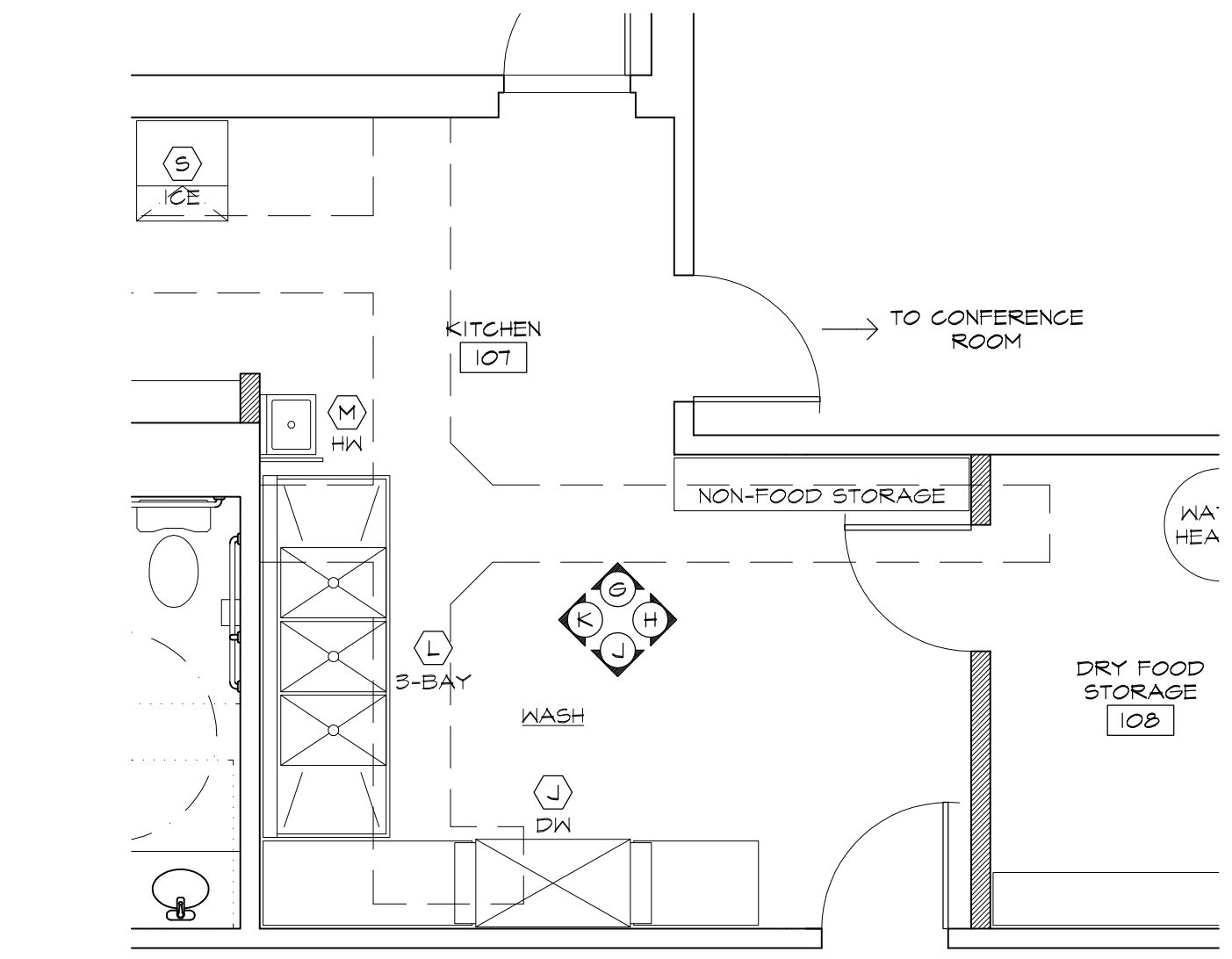
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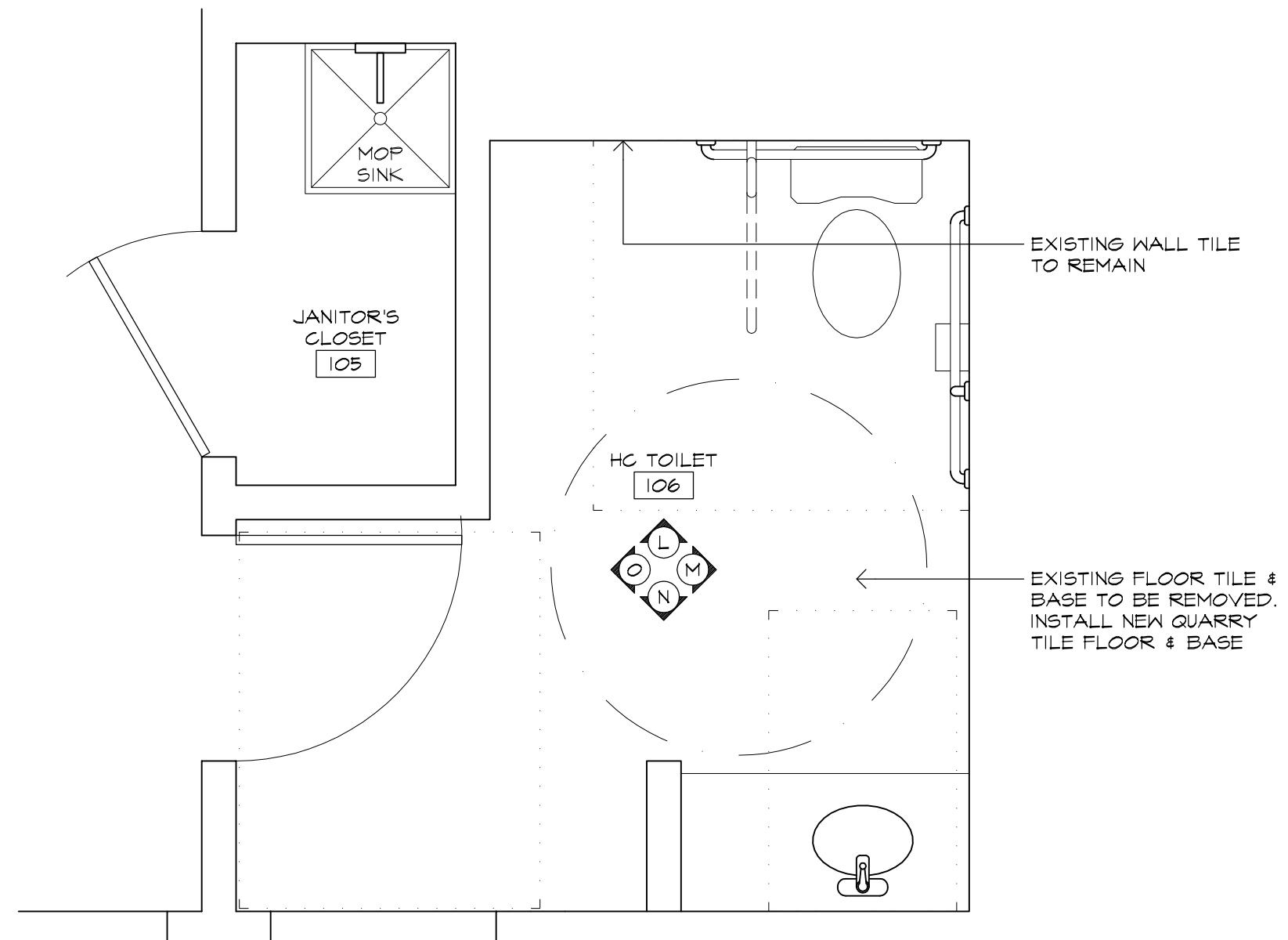
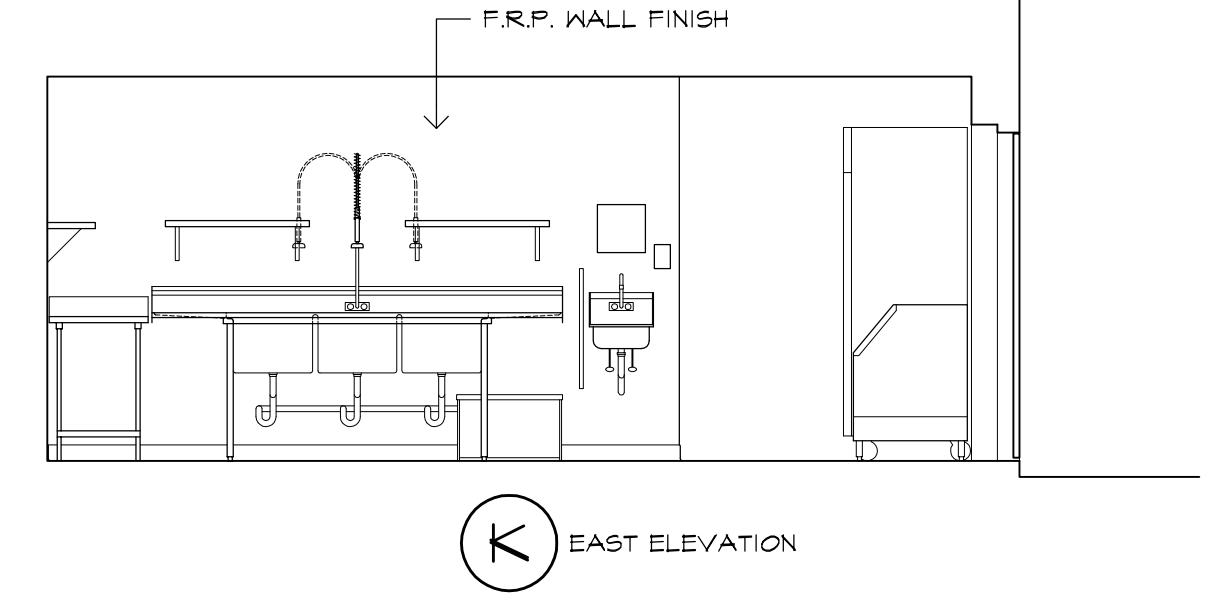
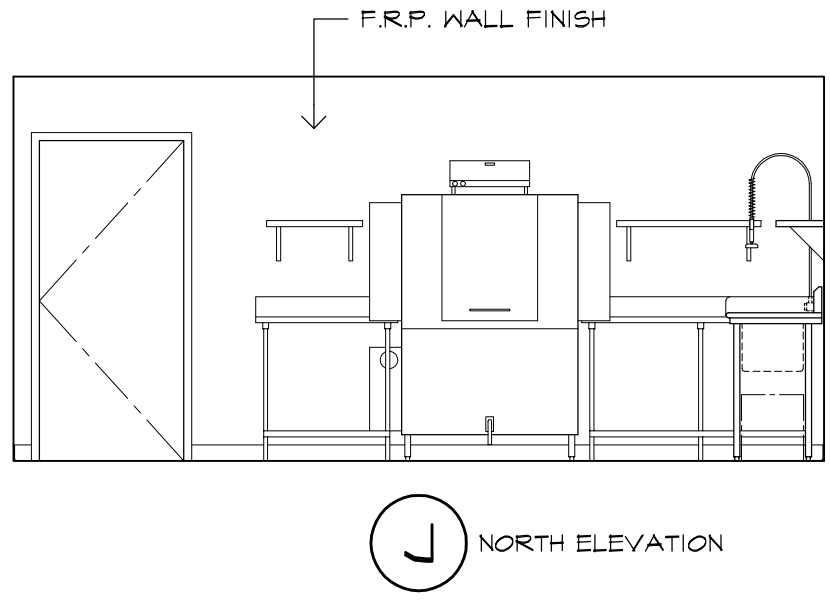
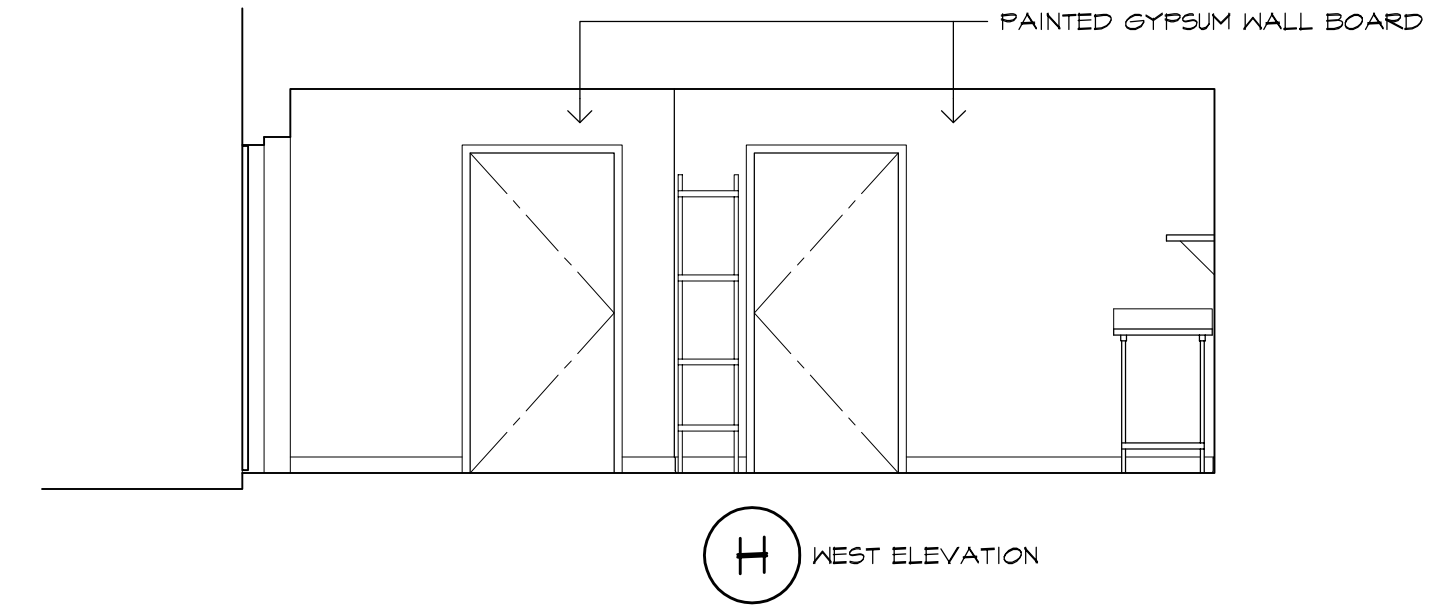
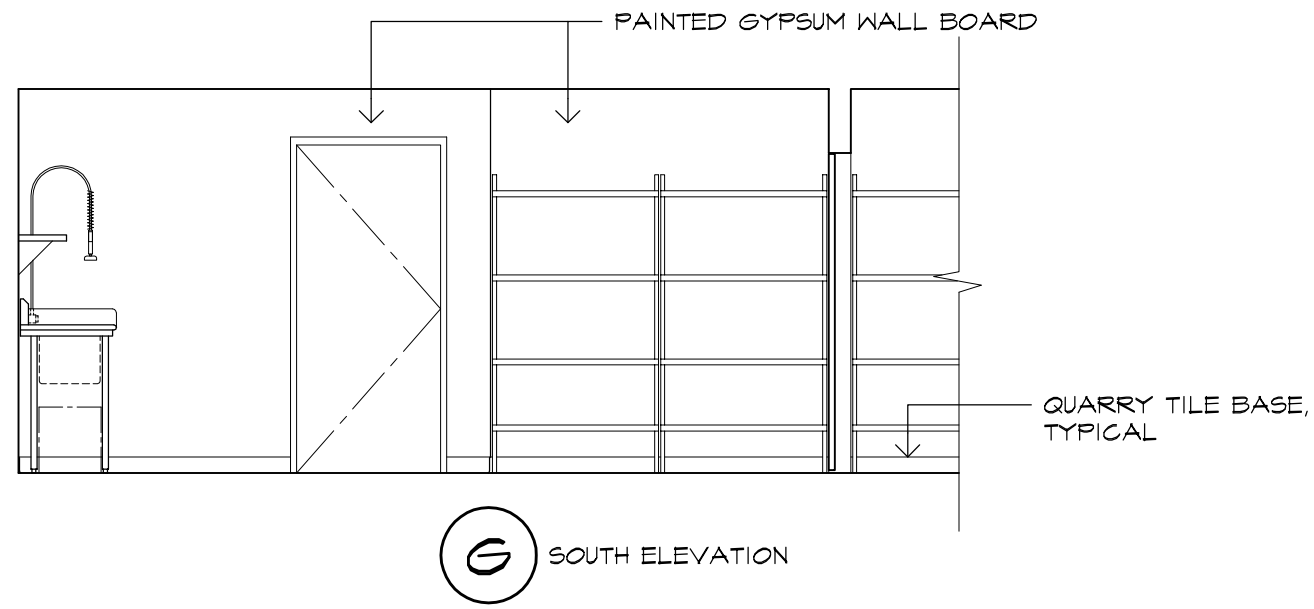
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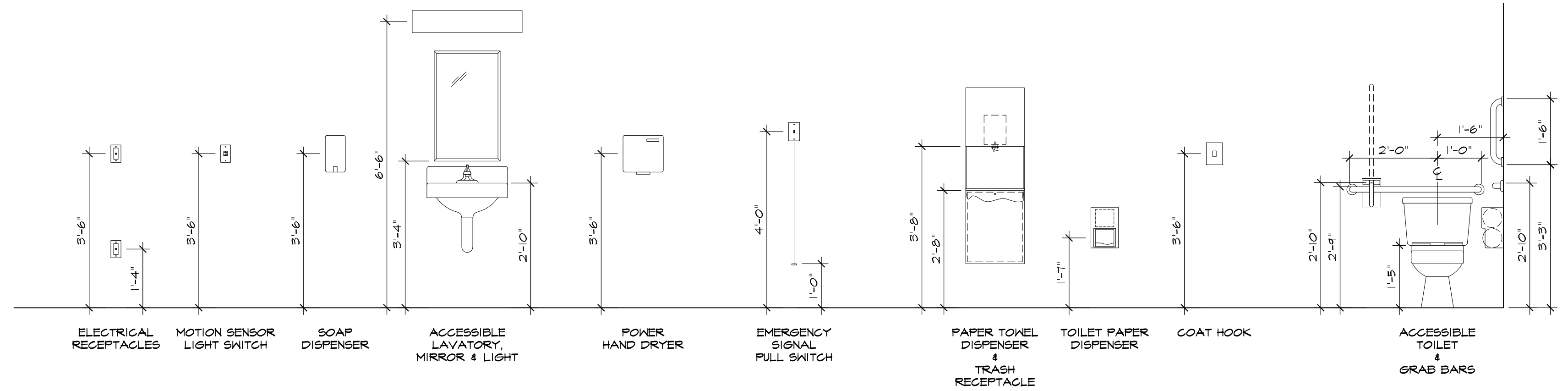
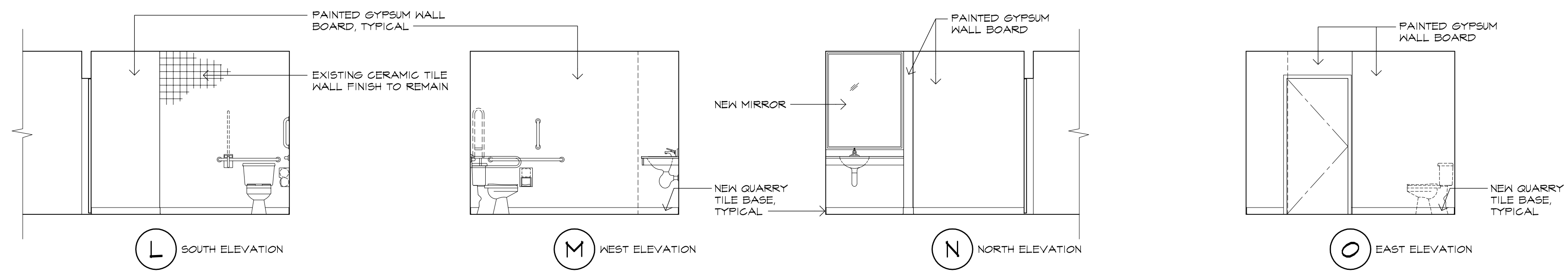
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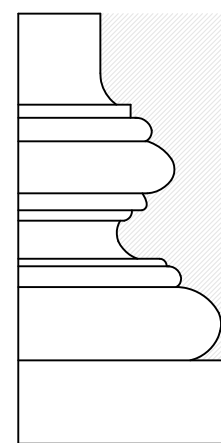
1 KITCHEN PLAN & INTERIOR ELEVATIONS
 SCALE: 1/4"=1'-0" NORTH



2 HC TOILET PLAN & INTERIOR ELEVATIONS
 SCALE: 1/2"=1'-0" NORTH



HC TOILET ROOM FIXTURE & EQUIPMENT MOUNTING HEIGHTS
 SCALE: 1/2"=1'-0"



EVELYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

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CONSULTANT

SALAMONE & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

118 North Plain Industrial Road
 Wallingford, Connecticut 06492
 Phone: (203) 281-8895 Fax: (203) 287-8728

PROJECT

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 Commercial Kitchen

EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

Prepared for

EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

First Floor Plumbing
 Demolition Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

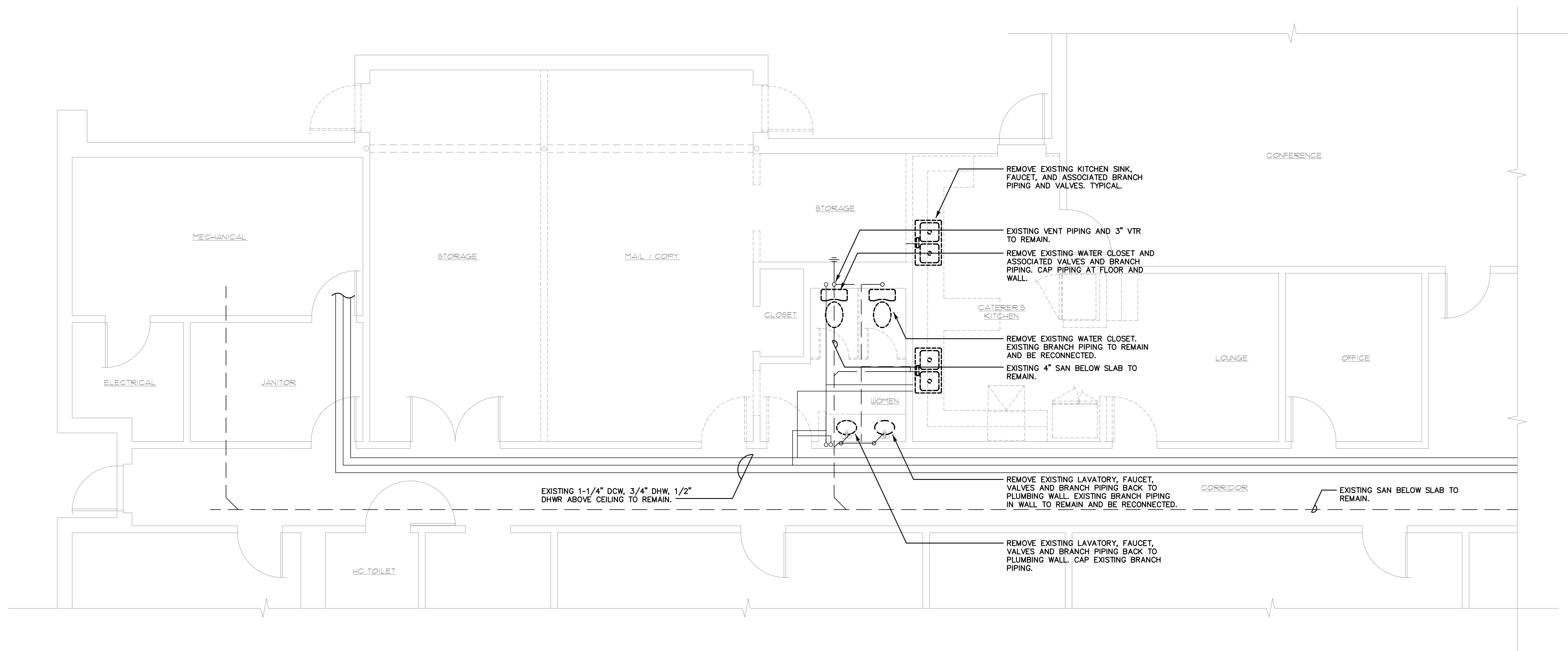
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SHEET

DP-1



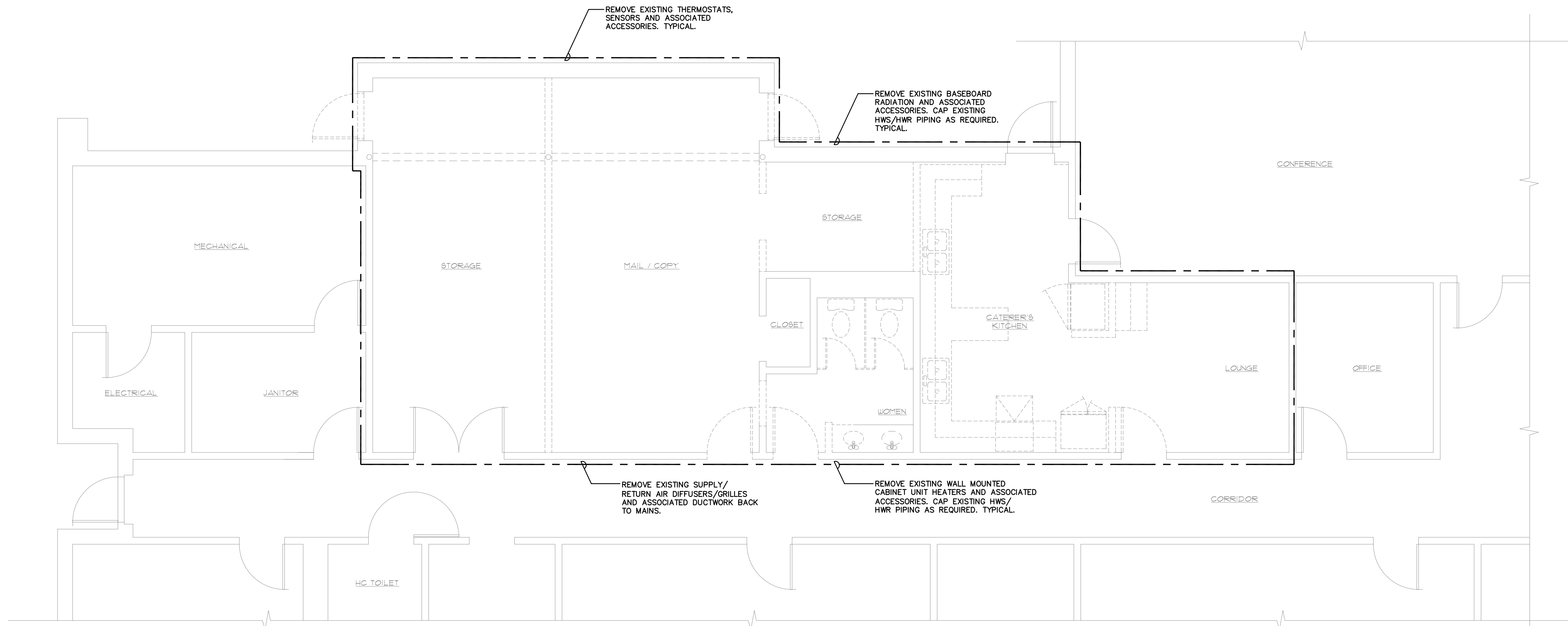
FIRST FLOOR PLUMBING DEMOLITION PLAN

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



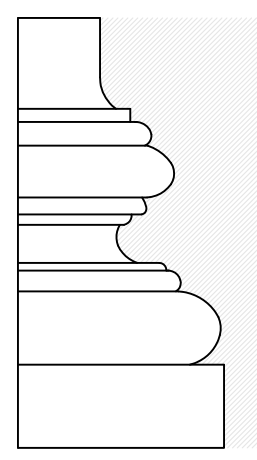
EXISTING CONDITIONS NOTE:
 THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

- PLUMBING DEMOLITION NOTES:**
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
 2. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
 3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
 4. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 5. DO NOT DAMAGE EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED.
 6. BUILDING WILL BE OCCUPIED DURING ALL PHASES OF CONSTRUCTION. CONTAIN AND CONTROL CONSTRUCTION DEBRIS SO AS NOT TO INTERFERE WITH DAILY OPERATION OF BUILDING. KEEP EGRESS PATHS FREE FOR DAILY OPERATION OF BUILDING.
 7. DURING THE PHASING OF CONSTRUCTION ALL EXISTING SYSTEMS SERVING OCCUPIED AREAS ARE TO BE MAINTAINED IN USE. CONTRACTOR IS TO REPIPE AND/OR REVALVE SO AS TO ENSURE CONTINUED OPERATION IN THESE OCCUPIED AREAS.
 8. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDED IN AND RELATED TO THE PROJECT SCOPE OF WORK. TYPICAL.



FIRST FLOOR MECHANICAL DEMOLITION PLAN
 SCALE: 1/4"=1'-0"

- MECHANICAL DEMOLITION NOTES:**
1. THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING. NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROPOSED EQUIPMENT AND OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.
 2. REMOVE AND PROPERLY DISPOSE OF EQUIPMENT AND ASSOCIATED COMPONENTS/ACCESSORIES AS INDICATED ON DEMOLITION PLANS. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. TYPICAL.
 3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. COORDINATE WORK WITH ALL PROJECT DISCIPLINES AND EXISTING CONDITIONS. TYPICAL.
 4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDED IN AND RELATED TO THE PROJECT SCOPE OF WORK. TYPICAL.
 5. DO NOT DISTURB ANY SUSPECTED HAZARDOUS MATERIALS. NOTIFY OWNERS REPRESENTATIVE OF ANY SUSPECTED MATERIALS IMPEDING PERFORMANCE OF WORK. TYPICAL.



EVELYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

www.ecsarchitects.com

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CONSULTANT

SALAMONE & ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 118 North Plain Industrial Road
 Wallingford, Connecticut 06492
 Phone: (203) 281-8895 Fax: (203) 287-8728

PROJECT

Proposed
 Commercial Kitchen
EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247
 Prepared for
EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

First Floor Mechanical
 Demolition Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

DESIGNED ST

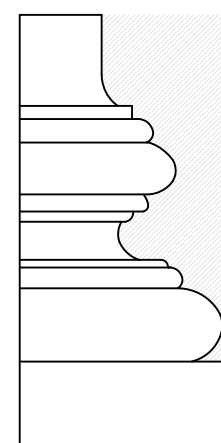
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1 OF 1



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 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

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CONSULTANT

SALAMONE & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

116 North Plains Industrial Road
 Wallingford, Connecticut 06492
 Phone: (203) 281-6895 Fax: (203) 287-6728

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 376 Hartford Turnpike
 Hampton, CT 06247

Prepared for

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 376 Hartford Turnpike
 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

First Floor Electrical
 Demolition Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

DESIGNED FB

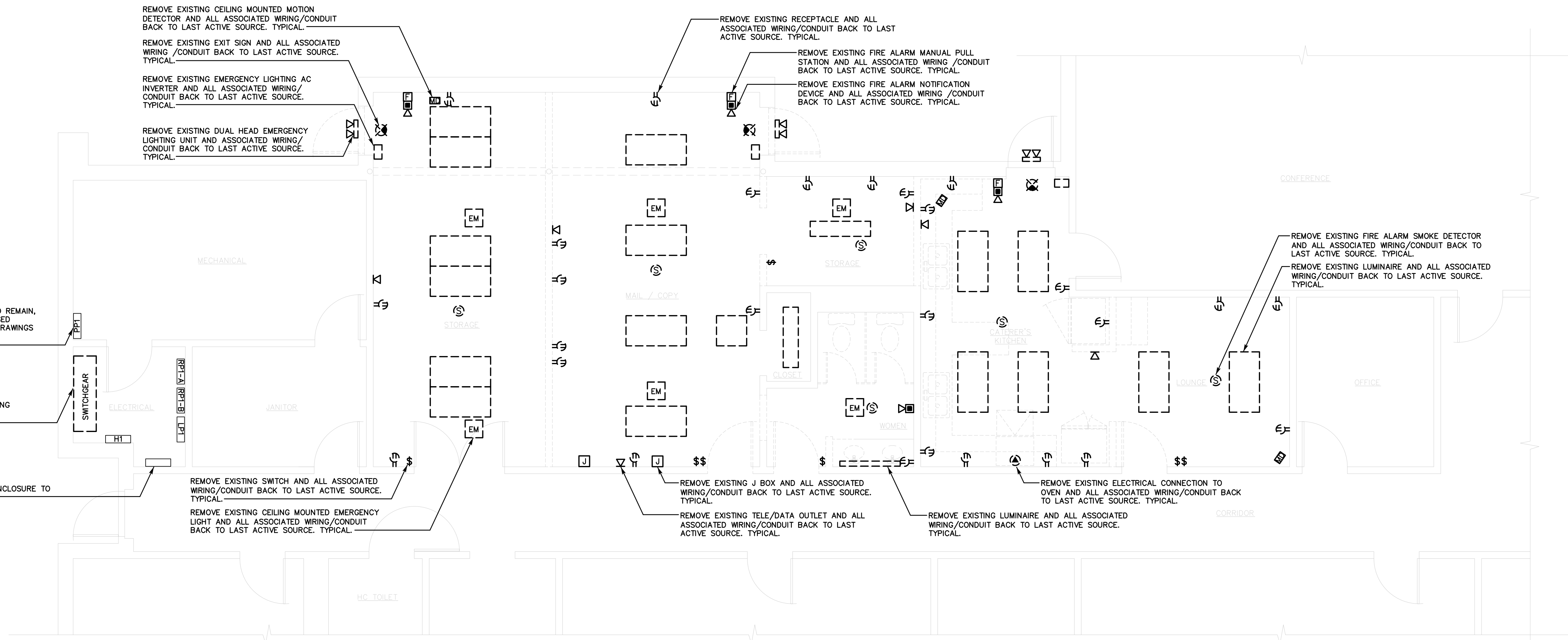
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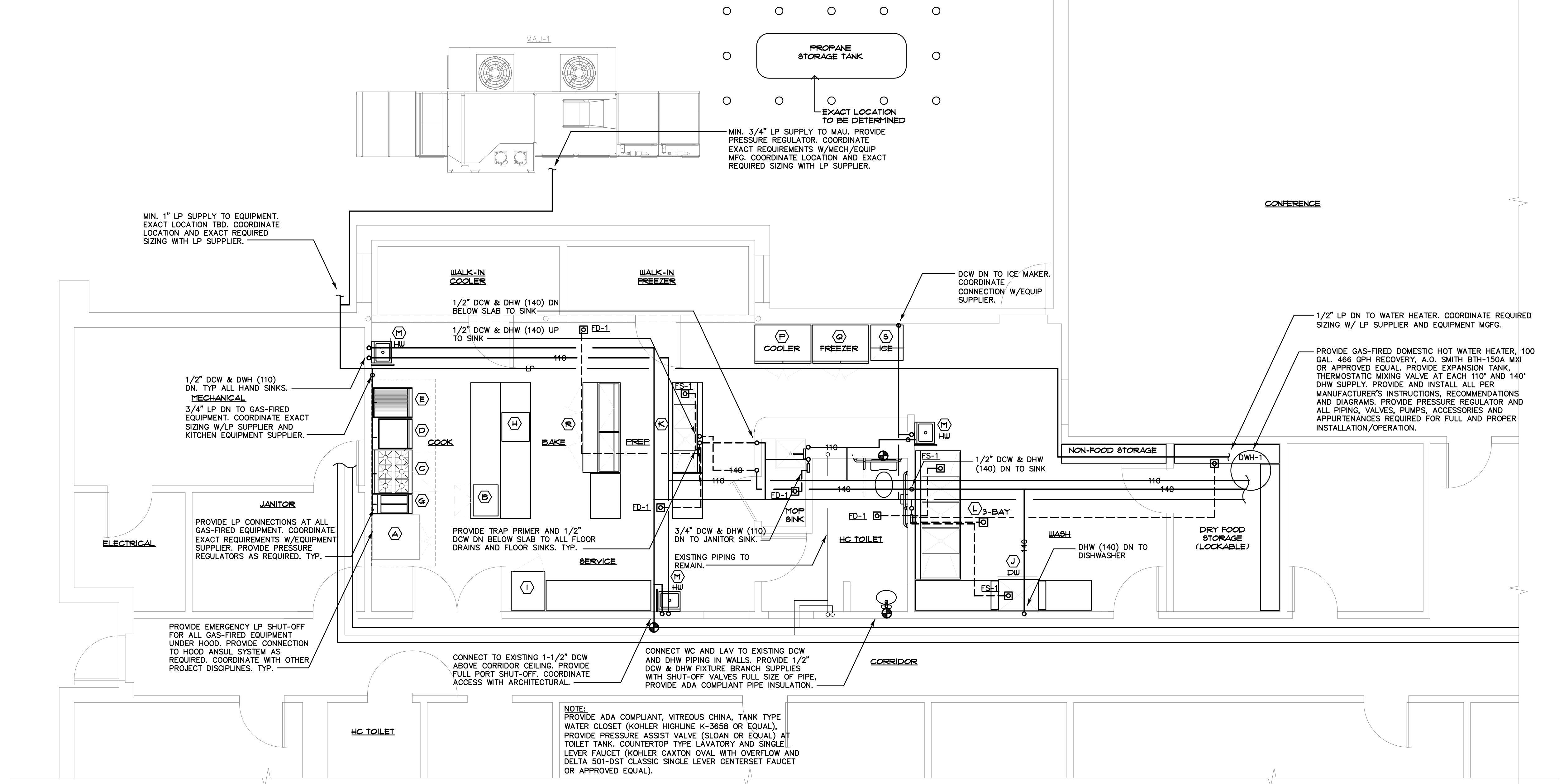
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FIRST FLOOR ELECTRICAL DEMOLITION PLAN
 SCALE: 1/4"=1'-0" NORTH

NOTE:
 THE CONTRACTOR(S) SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF BASE BID AND CONTRACTOR'S SHALL BID ACCORDINGLY. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

- ELECTRICAL DEMOLITION NOTES:**
1. PRIOR TO BID THE CONTRACTOR SHALL VISIT SITE TO DETERMINE EXTENT OF DEMOLITION. ALL EXISTING ELECTRICAL EQUIPMENT, WIRING AND CONDUIT LOCATIONS AND SIZES SHOWN ARE APPROXIMATE. DEMOLITION DRAWINGS DO NOT SHOW ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING WHICH REQUIRE REMOVAL. CONTRACTOR SHALL FIELD VERIFY.
 2. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
 3. REMOVE ALL EQUIPMENT, WIRING, CONDUITS, ACCESSORIES AND RELATED SUPPORTS AS INDICATED ON DEMOLITION DRAWINGS. TYPICAL.
 4. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
 5. DO NOT DAMAGE EXISTING EQUIPMENT AND/OR SYSTEMS NOT INDICATED FOR REMOVAL BY DEMOLITION DRAWINGS. ANY DAMAGE INCURRED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL MATCH AND REPLACE AT NO COST TO OWNER.
 6. CONTRACTOR SHALL PROVIDE MINIMUM OF 72 HOURS NOTICE PRIOR TO ANY EQUIPMENT/SERVICE SHUT DOWN.
 7. BUILDING WILL BE OCCUPIED DURING ALL PHASES OF CONSTRUCTION. CONTAIN AND CONTROL CONSTRUCTION DEBRIS SO AS NOT TO INTERFERE WITH DAILY OPERATION OF BUILDING. KEEP EGRESS PATHS FREE FOR DAILY OPERATION OF BUILDING.
 8. DEMOLITION WORK SHALL BE PERFORMED BY QUALIFIED, LICENSED PERSONNEL AS REQUIRED BY ALL APPLICABLE CODES AND STANDARDS.



**FIRST FLOOR PLUMBING PLAN
DOMESTIC WATER**

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



PLUMBING GENERAL NOTES:

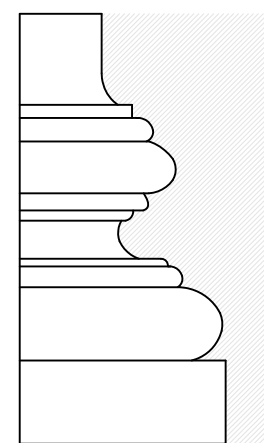
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
3. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
4. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
5. CONTRACTOR SHALL PROVIDE CLEANOUTS FOR PROPOSED SANITARY PIPING AS REQUIRED PER CURRENT APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ROUTING OF ALL PIPING SHALL BE COORDINATED WITH STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
7. PROVIDE CONDENSATE DRAINAGE PIPING FOR ANY/ALL AIR HANDLERS, MAKE-UP AIR UNIT, ENERGY RECOVERY UNITS AND FAN COIL UNITS. COORDINATE WITH MECHANICAL. TYPICAL.
8. PLUMBING WORK SHALL BE COORDINATED WITH LOCAL HEALTH DEPARTMENT. TYPICAL.

EXISTING CONDITIONS NOTE:

THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

KITCHEN FIXTURES AND EQUIPMENT NOTE:

FINAL/EXACT LOCATIONS OF PROPOSED FIXTURES AND EQUIPMENT PER ARCHITECT AND EQUIPMENT SUPPLIER. ALL PIPING, CONNECTIONS, VALVES, AND ASSOCIATED ACCESSORIES AND APPURTENANCES SHALL BE COORDINATED AND PROVIDED/INSTALLED ACCORDINGLY. ROUTING AND SIZING OF ALL PIPING SERVING FIXTURES AND EQUIPMENT SHALL BE COORDINATED WITH EQUIPMENT SUPPLIER AND PROVIDED AND INSTALLED PER MANUFACTURER/SUPPLIER INSTRUCTIONS AND RECOMMENDATIONS AND CURRENT CODE. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ALL OTHER PROJECT DISCIPLINES. PROVIDE AND INSTALL PER CURRENT APPLICABLE CODES AND STANDARDS. TYPICAL.



EVELYN COLE SMITH ARCHITECTS, LLC
PO Box 182
134 Main St
Putnam, CT
06260
860 315 9570

www.ecsarchitects.com

STAMP

CONSULTANT

**SALAMONE
&
ASSOCIATES, P.C.**

CONSULTING ENGINEERS
116 North Plains Industrial Road
Wallford, Connecticut 06495
Phone: (203) 281-8895 Fax: (203) 287-8728

PROJECT

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Commercial Kitchen
EASTCONN
376 Hartford Turnpike
Hampton, CT 06247

Prepared for

EASTCONN
376 Hartford Turnpike
Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

First Floor Plumbing
Plan - Domestic Water

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

DESIGNED SJS

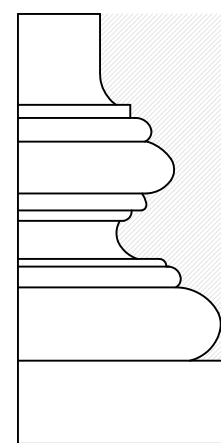
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 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

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CONSULTANT

SALAMONE & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

118 North Plain Industrial Road
 Wallingford, Connecticut 06492
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 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

Plumbing Details,
 Symbols, Notes &
 Abbreviations

PROJ. NO. 2018048

SCALE AS NOTED

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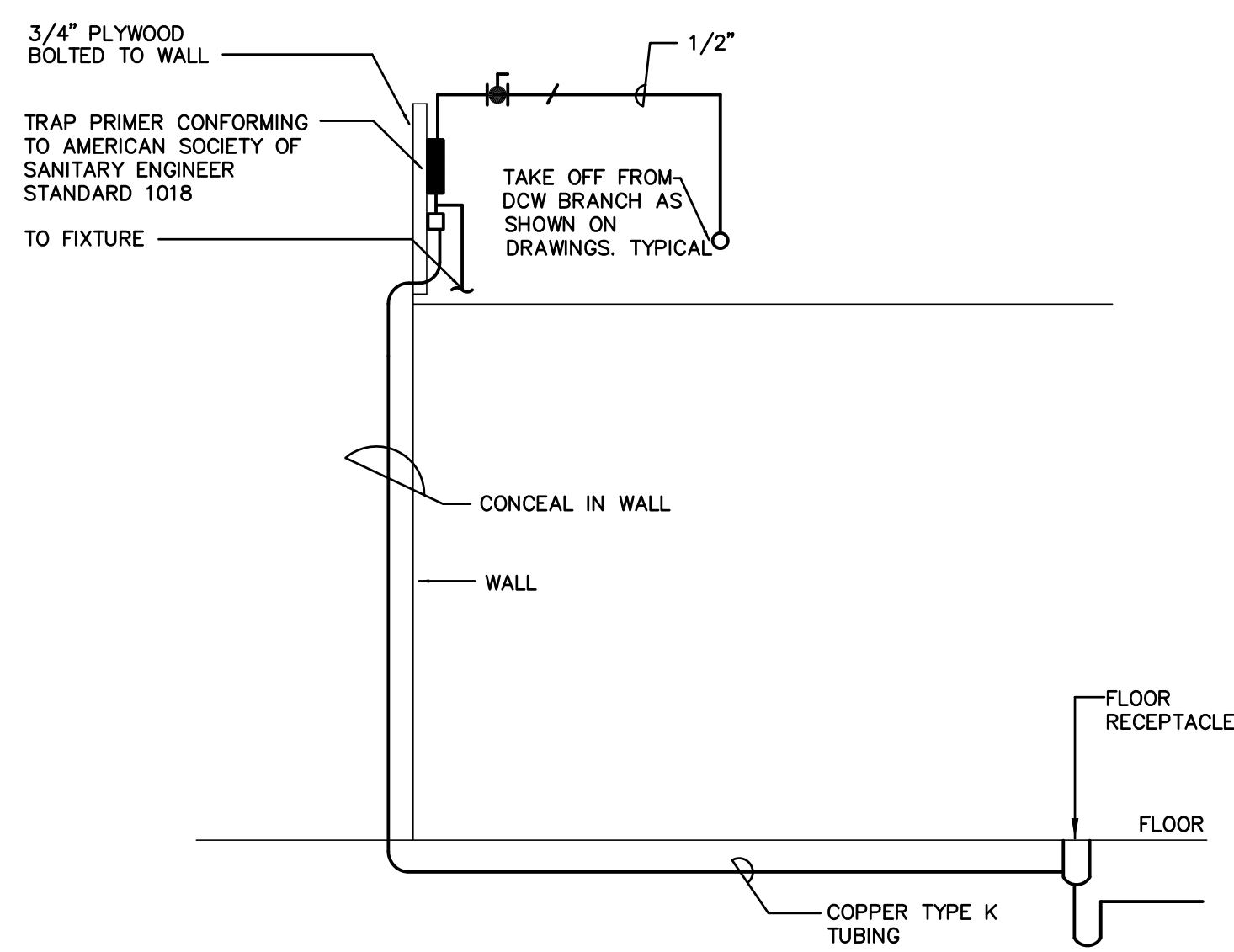
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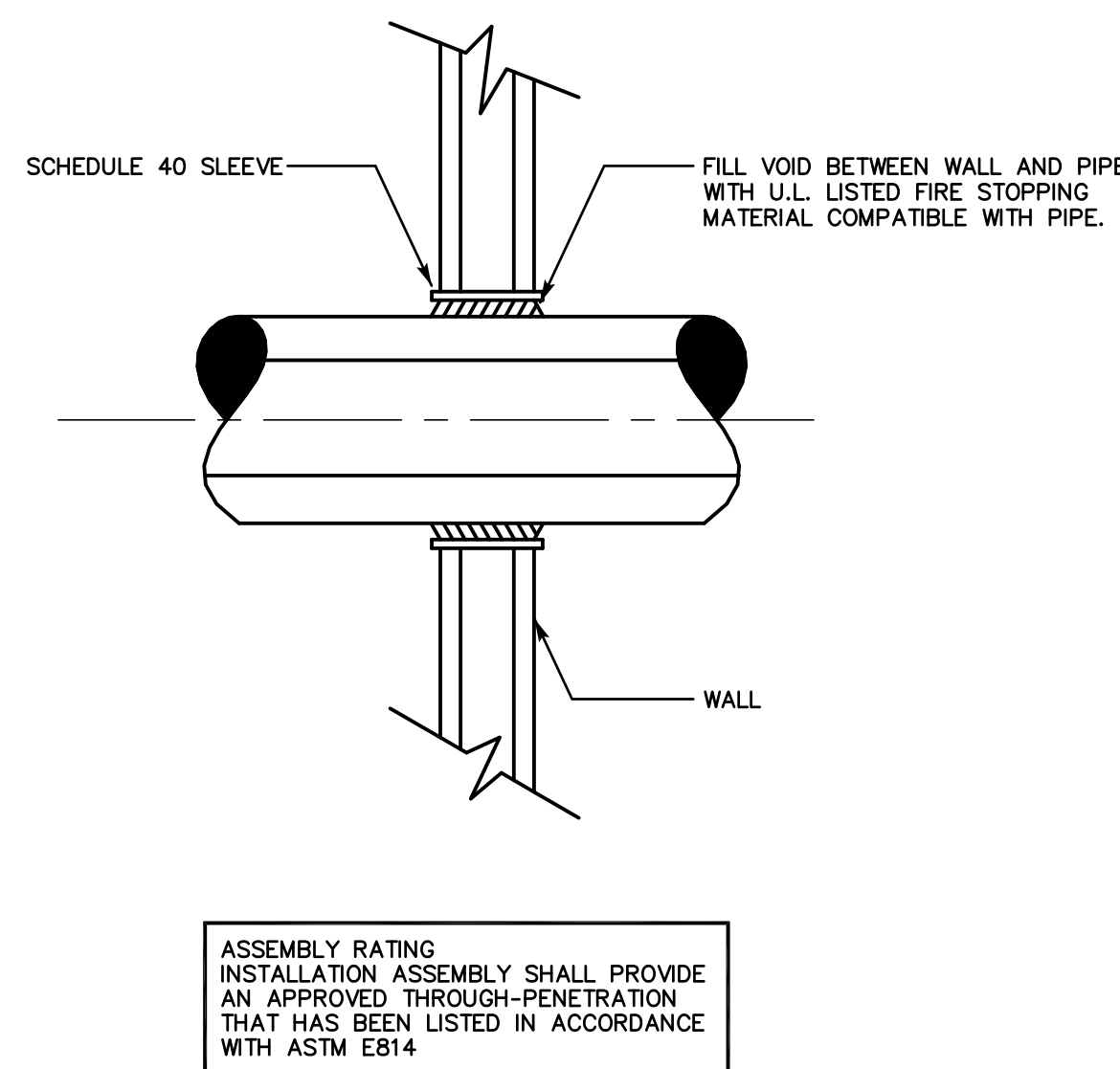
PLUMBING SYMBOL LIST	
	BALL VALVE
	GATE VALVE
	CAP
	PIPE ELBOW, TURNED UP
	PIPE ELBOW, TURNED DOWN
	DOMESTIC COLD WATER SUPPLY PIPING
	DOMESTIC HOT WATER SUPPLY PIPING
	LP GAS PIPING
	SANITARY VENT PIPING
	PIPING TO BE PROVIDED
	UNDER SLAB PIPING TO BE PROVIDED
	CLEAN OUT
	FLOOR DRAIN
	TRAP PRIMER

PLUMBING ABBREVIATIONS	
C.O.	CLEANOUT
DCW	DOMESTIC COLD WATER SUPPLY
DHW	DOMESTIC HOT WATER SUPPLY
DN	DOWN
DWH	DOMESTIC WATER HEATER
ET	EXPANSION TANK
F.C.O.	FLOOR CLEANOUT
FD	FLOOR DRAIN
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
JS	JANITOR'S SINK
LAV	LAVATORY
NTS	NOT TO SCALE
SAN	SANITARY
SK	SINK
TM	THERMOSTATIC MIXING VALVE
TP	TYPICAL
VTR	SANITARY VENT THROUGH ROOF
WC	WATER CLOSET

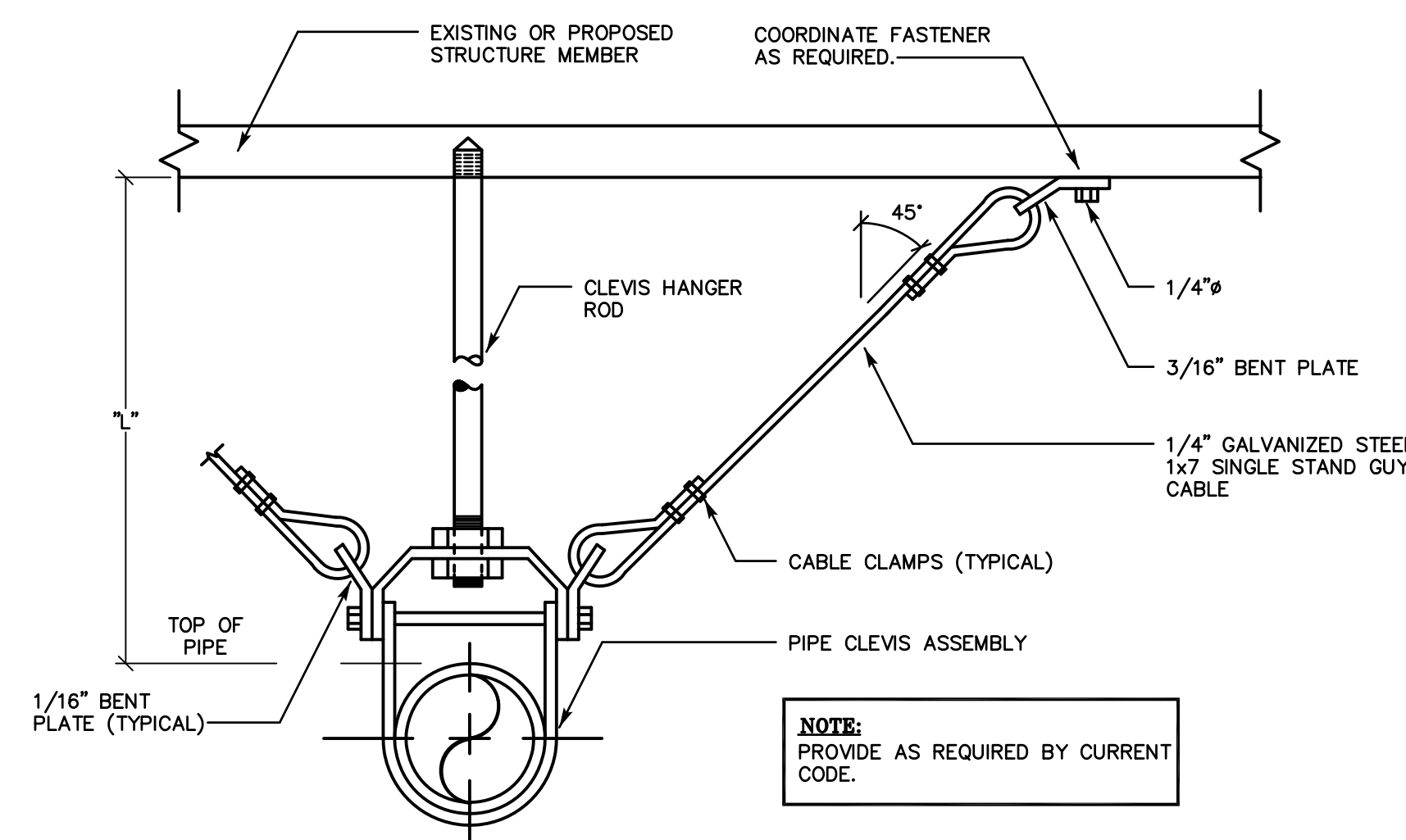
- ### PLUMBING GENERAL NOTES
- NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
 - PROVIDE FIXTURE SHUT-OFF VALVES AND P-TRAPS FOR ALL FIXTURES PROVIDED. PROVIDE SANITARY, WASTE AND DOMESTIC WATER PIPING AS REQUIRED FOR ALL FIXTURES PROVIDED.
 - REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND DETAILS, NOTING LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS AND OTHER SURFACES ARE FURRED. LOCATION OF PIPE SLEEVES, LOCATIONS OF PIPE SHAFTS AND CONFLICTS WITH WORK OF OTHER TRADES AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
 - DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, FITTINGS, VALVES, DRAINS, ETC. MAY NOT BE INDICATED.
 - ALL PIPING PASSING THROUGH FIRE RATED WALLS SHALL BE PROVIDED WITH SCHEDULE 40 STEEL PIPE SLEEVES AND SPACE BETWEEN EXTERIOR OF PIPE AND INTERIOR OF PIPE SLEEVE PACKED WITH A FIRE RATED MATERIAL EQUAL TO THE RATING OF THE WALL.
 - UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL PLUMBING SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
 - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
 - THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY."
 - WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
 - ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
 - CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE SLOPE AND ANCHORAGE.
 - BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED:
 - INTERNATIONAL BUILDING CODE
 - CONNECTICUT SUPPLEMENT
 - INTERNATIONAL MECHANICAL CODE
 - ASTM & ANSI STANDARDS.
 - INTERNATIONAL PLUMBING CODE
 - FIRE SAFETY CODE
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGED DURING CONSTRUCTION.
 - CONTRACTOR TO CONFIRM PIPE LOCATIONS, ELEVATIONS, AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
 - PROVIDE WATER SERVICE SHUT OFF VALVES ON WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.
 - PROVIDE SEISMIC BRACING OF ALL PLUMBING PIPES PER THE CONNECTICUT BUILDING CODE.
 - PROVIDE WATER HAMMER ARRESTERS FOR ALL FLUSH VALVES. SIZE AND LOCATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
 - ALL PIPES THAT PENETRATE WALLS, FLOORS AND CEILINGS IN FINISHED AREAS SHALL RECEIVE CHROME PLATED METAL ESCUTCHEONS.
 - ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
 - ALL SHOP DRAWINGS OF RELATED COMPONENTS SHALL BE SUBMITTED AS A COMPLETE PACKAGE.
 - ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.
 - WRITTEN REQUESTS FOR PLANNED SHUTDOWN OR INTERRUPTION OF BUILDING SERVICES, SYSTEMS OR EQUIPMENT SHALL BE MADE IN WRITING 72 HOURS PRIOR TO START OF THE REQUESTED SHUTDOWN PERIOD.
 - SUPPORT PIPING ABOVE SUSPENDED CEILING, FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.
 - PROVIDE CLEANOUTS PER PLUMBING CODE.
 - ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT, & DEBRIS.
 - ALL WORK SHALL BE LICENSED WORKMAN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.



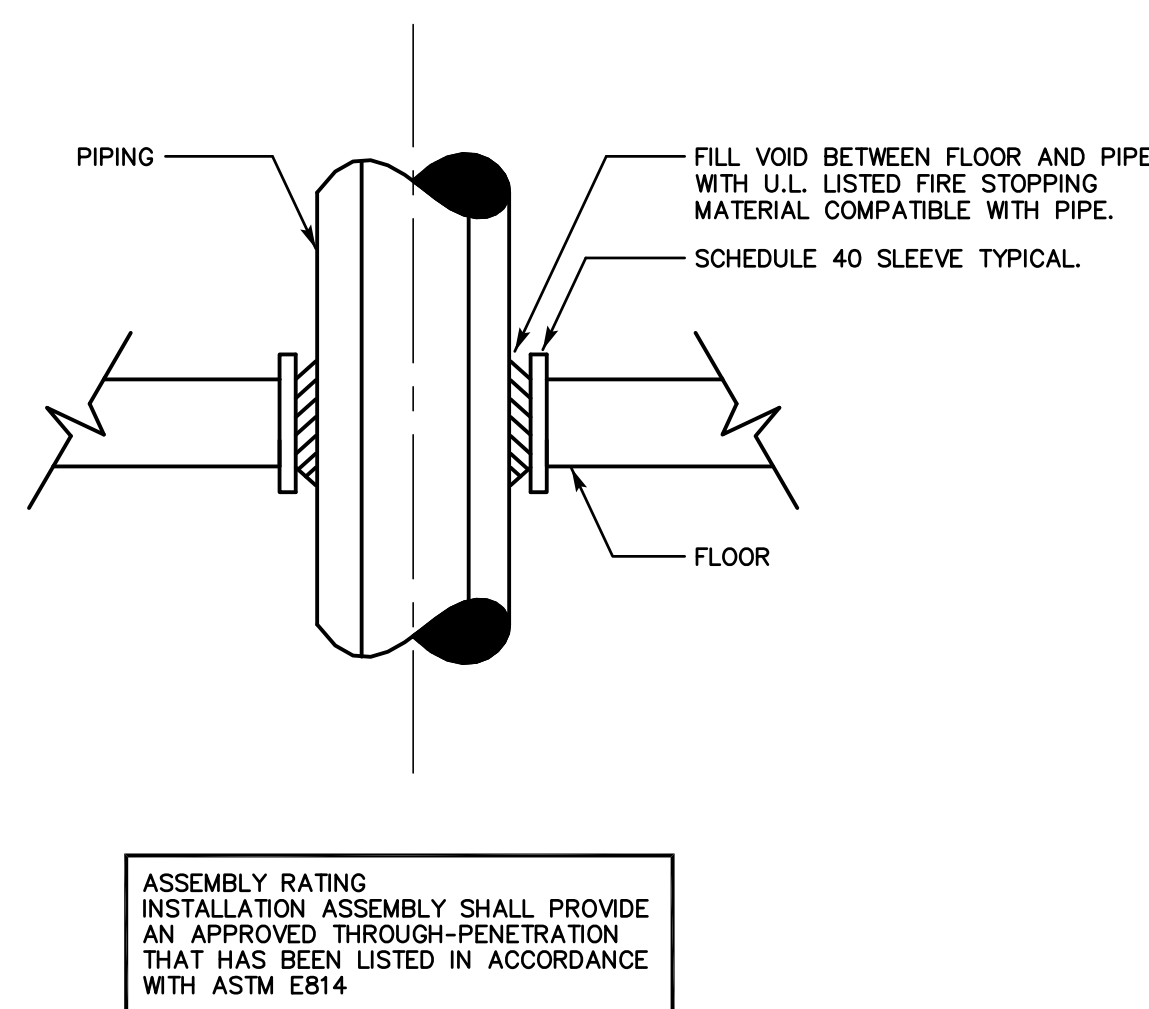
TYPICAL TRAP PRIMER DETAIL
 SCALE: N.T.S.



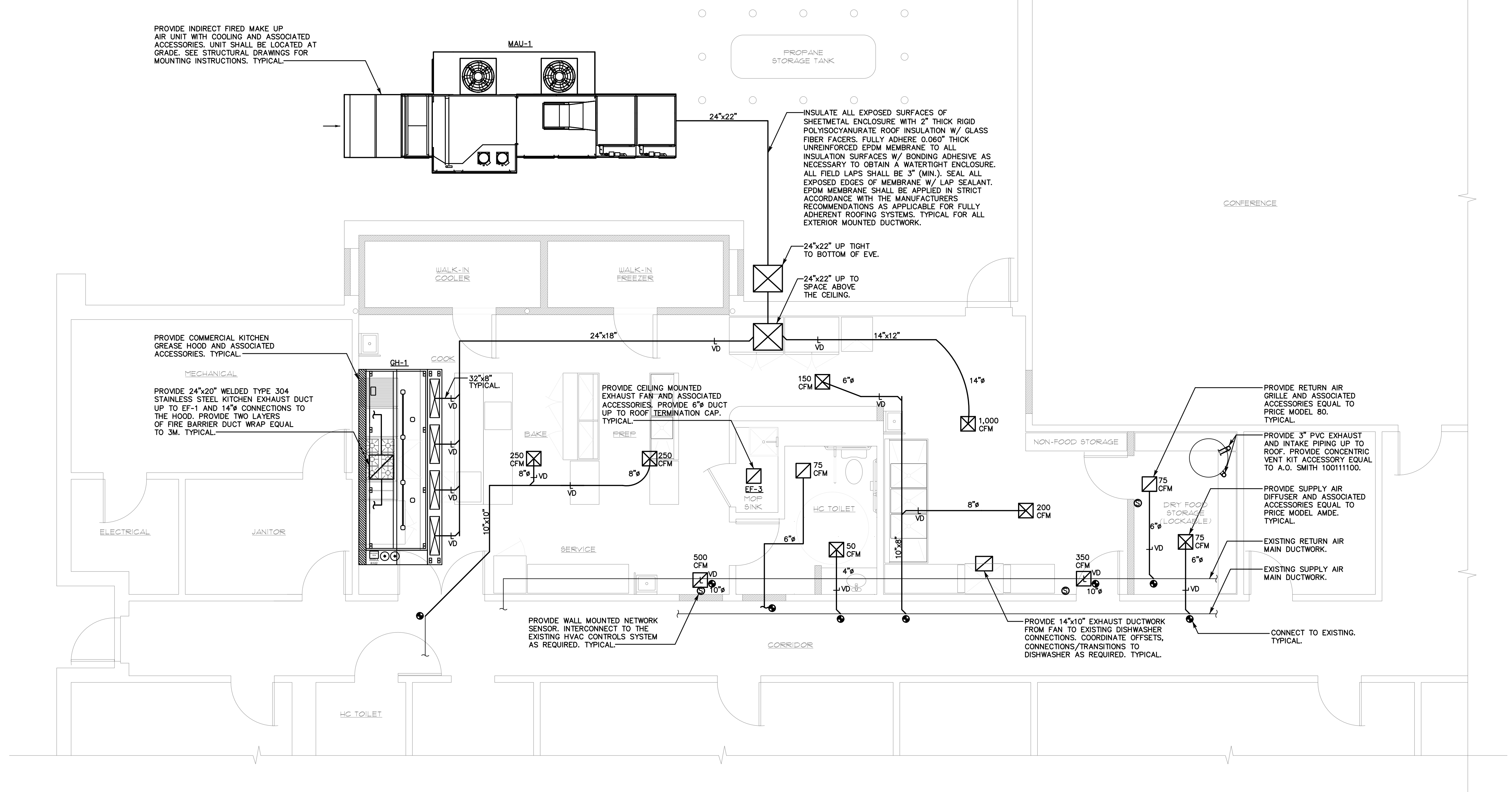
**TYPICAL WALL PIPE PENETRATION
 FIRE STOPPING DETAIL**
 SCALE: N.T.S.



**TYPICAL SEISMIC RESTRAINT
 ASSEMBLY OF SUSPENDED PIPING**
 SCALE: N.T.S.

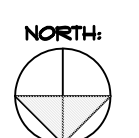


**TYPICAL FLOOR PIPE PENETRATION
 FIRE STOPPING DETAIL**
 SCALE: N.T.S.

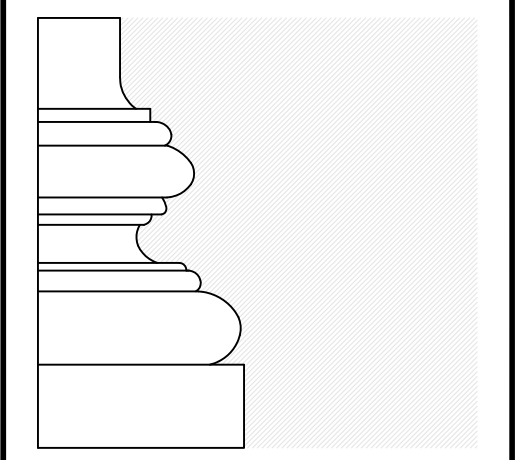


FIRST FLOOR MECHANICAL PLAN

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



- MECHANICAL NOTES:**
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
 2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
 5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
 6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 7. CONTRACTOR SHALL NOT DAMAGE ANY EXISTING EQUIPMENT, PIPING, OR ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN.
 8. CONTRACTOR SHALL NOT DAMAGE ANY EXISTING ELECTRICAL CONNECTIONS, WIRING AND ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN.
 9. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH EXISTING STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
 10. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
 11. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.



EVELYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

www.ecsarchitects.com

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CONSULTANT

SALAMONE & ASSOCIATES, P.C.

CONSULTING ENGINEERS
 118 North Plain Industrial Road
 Wallingford, Connecticut 06492
 Phone: (203) 281-8895 Fax: (203) 287-8728

PROJECT

Proposed Commercial Kitchen
EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

Prepared for
EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

First Floor Mechanical Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

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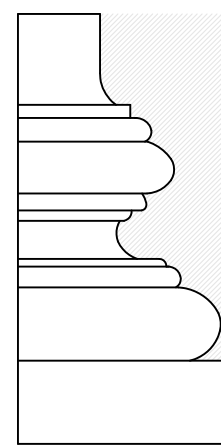
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 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

www.ecsarchitects.com

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CONSULTANT

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Date	Description

SHEET TITLE

Roof Mechanical
Plan

PROJ. NO. 2018048

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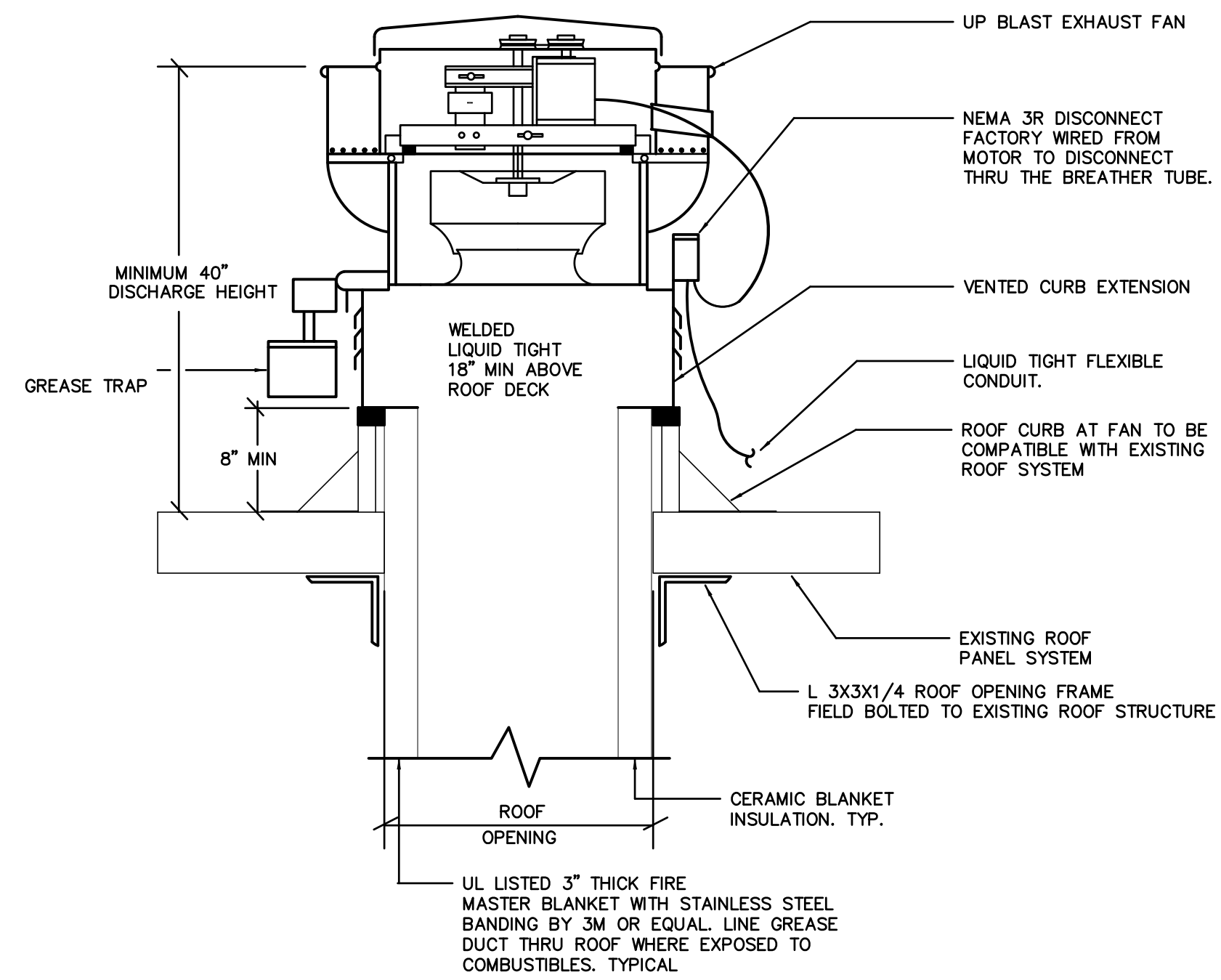
ROOF MECHANICAL PLAN

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



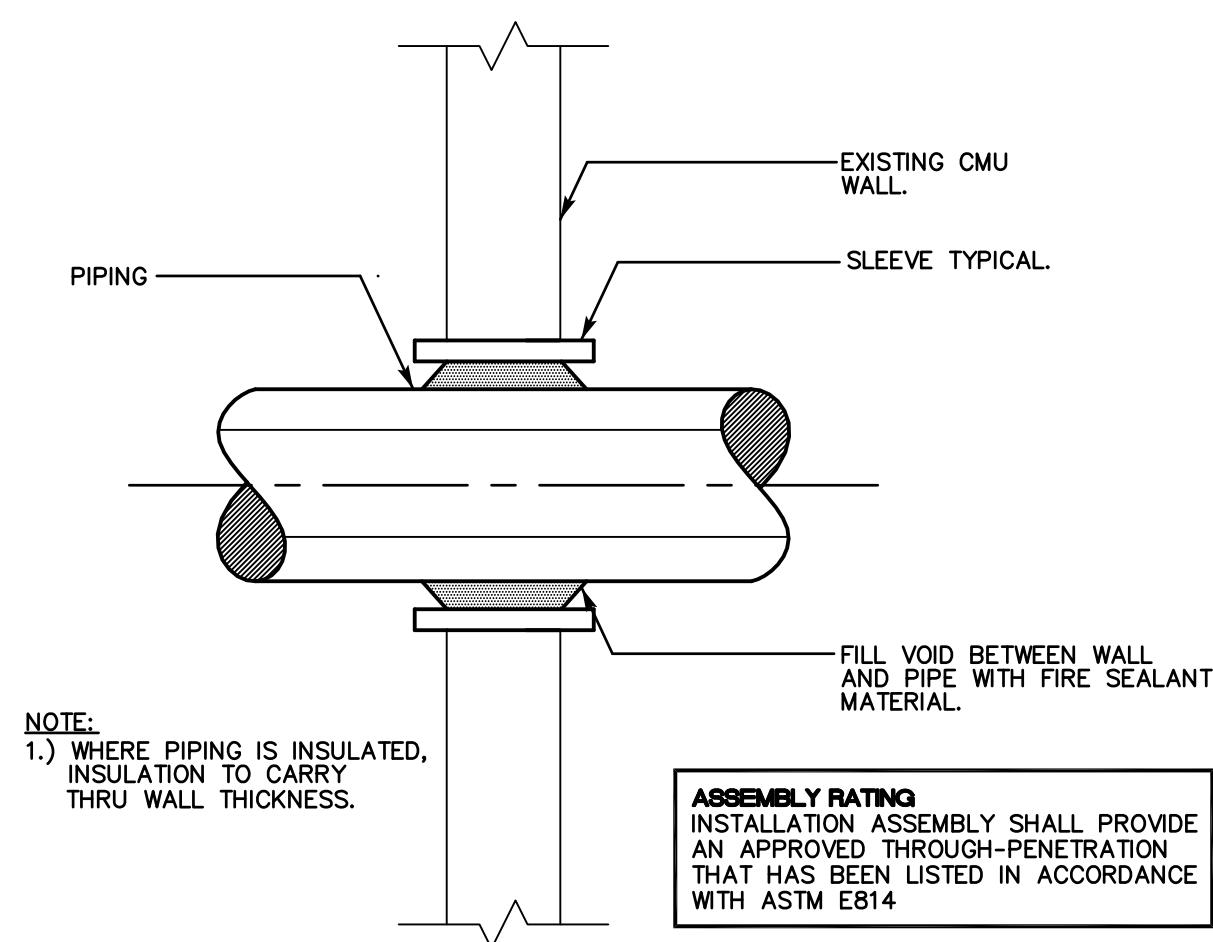
MECHANICAL NOTES:

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2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
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8. CONTRACTOR SHALL NOT DAMAGE ANY EXISTING ELECTRICAL CONNECTIONS, WIRING AND ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN.
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10. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
11. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.



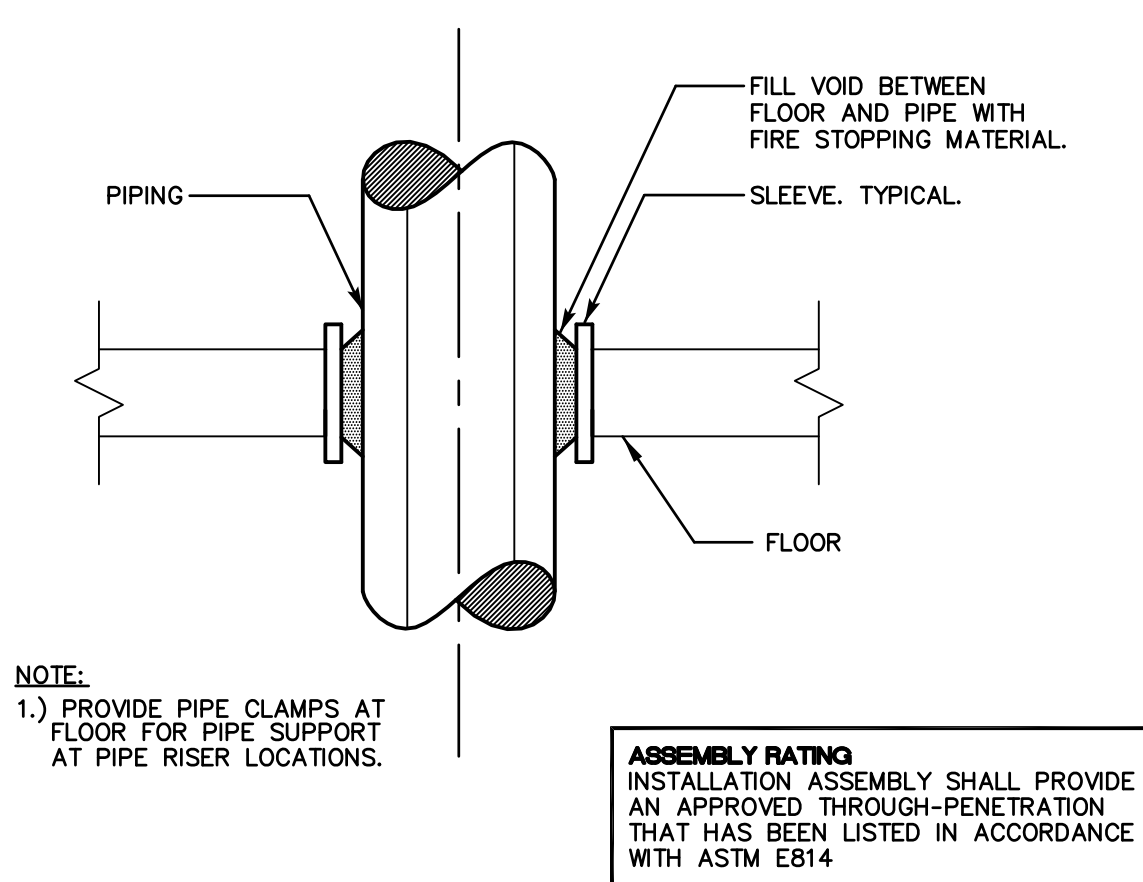
KITCHEN GREASE EXHAUST FAN DETAIL

SCALE: N.T.S.



TYPICAL WALL PIPE PENETRATION FIRE STOPPING DETAIL

SCALE: N.T.S.



TYPICAL FLOOR PIPE PENETRATION FIRE STOPPING DETAIL

SCALE: N.T.S.

PACKAGED MAKEUP AIR UNIT SCHEDULE	
UNIT NO.	MAU-1
SERVICE	KITCHEN HOODS
LOCATION	GRADE
SUPPLY AIR FLOW (CFM)	4,750
MIN. SUPPLY AIR FLOW (CFM)	2,375
OUTSIDE AIR FLOW (CFM)	4,750
TOTAL STATIC PRESSURE	1.533
FAN MOTOR HP	5
COOLING COIL (TOTAL MBH)	140.3
IEER @ ARI	13.0
REFRIGERANT TYPE	R410A
HEATING TYPE	INDIRECT PROPANE FURNACE
HEATING INPUT (MBH)	500
HEATING OUTPUT (MBH)	400
LOCAL NEMA 3R DISCONNECT	YES
ELECTRICAL CHARA. (V/PH/Hz)	208/3/60
APPROXIMATE UNIT WEIGHT (LBS)	3,000
DESIGN BASED MODEL	XIGX-112-H22-10-N
DESIGN BASED MANUFACTURER	ACCUREX

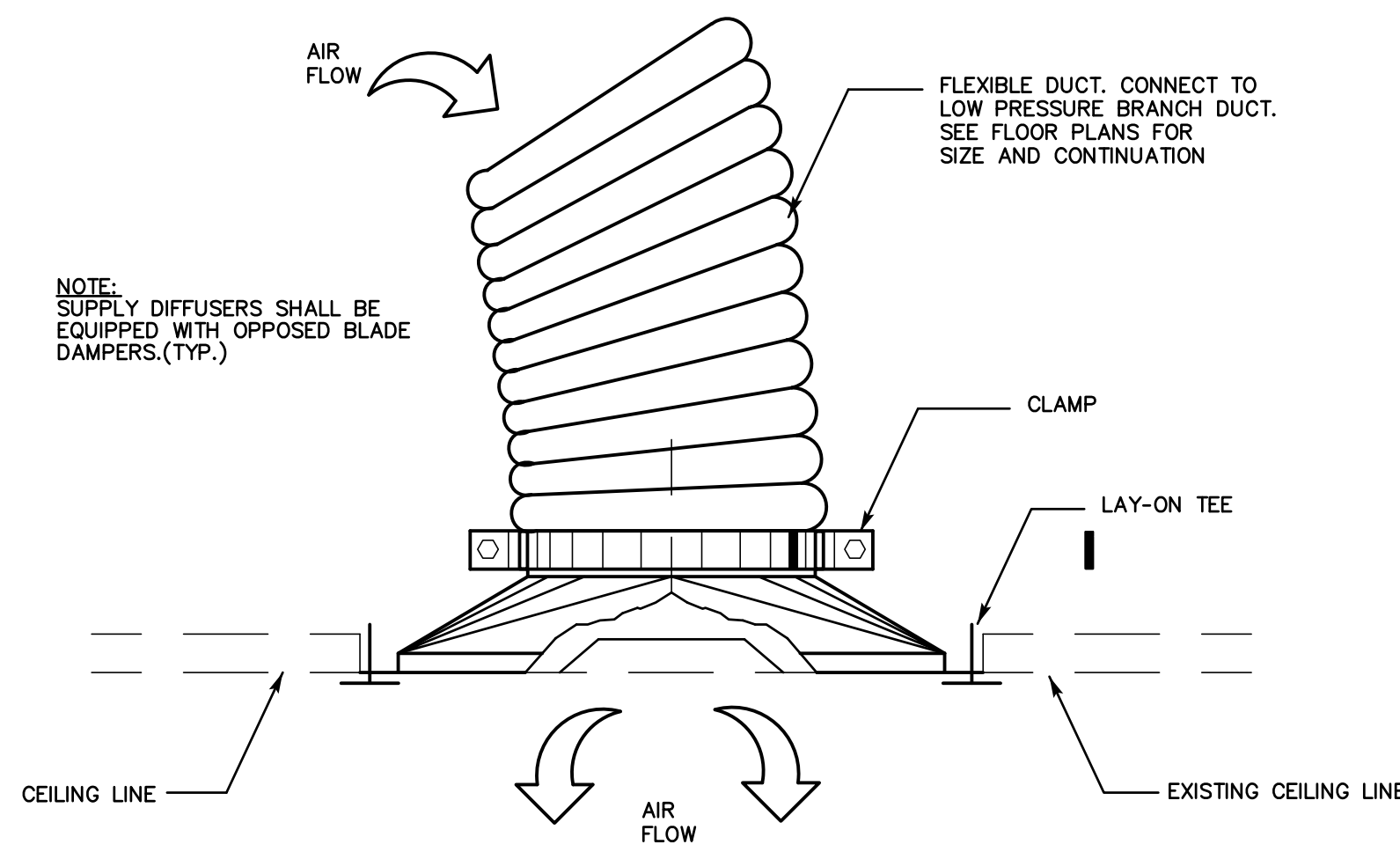
- NOTES:**
- SEE SPECIFICATIONS/DRAWINGS FOR FURTHER REQUIREMENTS.
 - INSTALL PER ALL APPLICABLE CODES AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - MAKE UP AIR UNITS SHALL BE SUPPLIED WITH THE FOLLOWING FACTORY SUPPLIED ACCESSORIES:
 - SUPPLY FAN VFD
 - HEATING/COOLING INLET SENSOR
 - FREEZE PROTECTION
 - WEATHER HOOD WITH BIRDSCREEN
 - 2" MERV 8 SUPPLY AIR FILTERS
 - SUPPLY AIR OUTLET DAMPER
 - EXTERIOR FURNACE VENTING
 - FLAME SENSING-FLAME ROD
 - STAINLESS STEEL HEAT EXCHANGER
 - 8-1 FURNACE MODULATING CONTROLS
 - PROVIDE CONNECTION TO THE EXISTING HVAC CONTROLS SYSTEM AS REQUIRED. TYPICAL.

EXHAUST FAN SCHEDULE			
EXHAUST FAN NO.	EF-1	EF-2	EF-3
SERVICE	GH-1	DISHWASHER	JANITOR CL.
LOCATION	ROOF	ROOF	CEILING
AIR FLOW (SCFM)	3,750	1,000	110
EXT. STATIC PRESS. (IWG)	1.474	.961	
WHEEL TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
WHEEL CONSTRUCTION	ALUMINUM	ALUMINUM	ALUMINUM
DRIVE TYPE	BELT	DIRECT	DIRECT
BEARING TYPE	BALL	BALL	BALL
LUBRICATION TYPE	PERMANENT	PERMANENT	PERMANENT
MOTOR HP/WATTS	2	1/4	24.2
ELECT. CHARAC. (V/PH/Hz)	208/3/60	120/1/60	120/1/60
LOCAL DISCONNECT	YES	YES	YES
HOUSING MATERIAL	GALVANIZED STEEL	GALVANIZED STEEL	GALVANIZED STEEL
BACKDRAFT DAMPER	YES	YES	YES
DESIGN BASED MODEL	XRUB-180-20	XRUD-101-VG	SP-A110-VG
DESIGN BASED MANUFACTURER	ACCUREX	GREENHECK	GREENHECK

- NOTES:**
- SEE SPECIFICATIONS/DRAWINGS FOR FURTHER REQUIREMENTS.
 - INSTALL PER ALL APPLICABLE CODES AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - PROVIDE THE FOLLOWING MANUFACTURER'S ACCESSORIES FOR EF-1:
 - MOTOR VFD
 - JUNCTION BOX MOUNTED AND WIRED
 - HINGED BASE
 - HIGH TEMP CURB SEAL
 - GREASE TRAP AND CLEAN OUT PORT
 - BIRDSCREEN
 - HEAT BAFFEL
 - PROVIDE THE FOLLOWING MANUFACTURER'S ACCESSORIES FOR EF-2:
 - MOTOR VARI-GREEN EC
 - JUNCTION BOX MOUNTED AND WIRED
 - HINGED BASE
 - FOAM CURB SEAL
 - GREASE TRAP AND CLEAN OUT PORT
 - BIRDSCREEN

KITCHEN GREASE HOOD SCHEDULE	
HOOD NO.	GH-1
SERVICE	KITCHEN EQUIP.
LOCATION	KITCHEN
EXHAUST AIR FLOW (CFM)	3,750
EXT. STATIC PRESS. (IWG)	.851
SUPPLY AIR FLOW (CFM)	3,750
COOKING LOAD	HEAVY
HOOD CONSTRUCTION	304 SS
DESIGN BASED MODEL	XNEW-150.00-S
DESIGN BASED MANUFACTURER	ACCUREX

- NOTES:**
- SEE SPECIFICATIONS/DRAWINGS FOR FURTHER REQUIREMENTS.
 - INSTALL PER ALL APPLICABLE CODES AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.



TYPICAL SQUARE DIFFUSER DETAIL SQUARE RETURN GRILLE SIMILAR

SCALE: N.T.S.

MECHANICAL ABBREVIATIONS	
AD	ACCESS DOOR
AF	AIR FILTER
AFB	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMP	AMPERE
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
CENTRIF	CENTRIFUGAL
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
FD	FIRE DAMPER
FFF	FROM FINISHED FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCHES
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU/HOUR
MIN	MINIMUM
NG	NATURAL GAS
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE RELIEF VALVE
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SENS	SENSOR
SF	SUPPLY FAN
S	SMOKE DETECTOR
SP	STATIC PRESSURE
TEMP	TEMPERATURE
TONS	TONS OF REFRIGERATION

- MECHANICAL GENERAL NOTES**
- REFER TO SPECIFICATIONS AND BID DOCUMENTS FOR ADDITIONAL CONTRACT REQUIREMENTS.
 - MECHANICAL DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, PLUMBING AND ELECTRICAL DRAWINGS.
 - NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO DRAWING NOTES.
 - MECHANICAL DRAWINGS DO NOT NECESSARILY SHOW ALL RELATED WORK CONTRACTOR TO USE ALL DRAWINGS IN CONTRACT DOCUMENTS FOR DIVISION 15 MECHANICAL WORK TO COMPLETE THE SYSTEM.
 - UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
 - MECHANICAL PLANS, DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE SYSTEM. THESE ARE DIAGRAMMATIC AND DO NOT SHOW ALL BENDS, COUPLINGS, OFFSETS, VALVES, DRAINS, FITTINGS, HANGERS, CLEANOUTS AND ACCESS DOORS WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE SYSTEM.
 - PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
 - BEFORE SELECTING MATERIAL AND EQUIPMENT AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
 - BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
 - LOCATE ALL EQUIPMENT WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS; IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THAT PURPOSE. MINOR DEVIATIONS FROM DRAWINGS ALLOWED FOR BETTER ACCESSIBILITY. ANY CHANGE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.
 - COORDINATE WORK WITH OTHER DIVISIONS AND SPECIFICATIONS ON THIS PROJECT.
 - ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS OR HUNG CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAIRING AND/OR REPLACEMENT OF CEILING TILES AS REQUIRED TO PERFORM WORK.
 - ALL EQUIPMENT REQUIRED TO BE LISTED OR APPROVED BY A TESTING LABORATORY SHALL BEAR A LABEL OF SUCH LABORATORY.
 - THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT RECOGNIZED:
 - CONNECTICUT BASIC BUILDING CODE AND SUPPLEMENTS
 - INTERNATIONAL ENERGY CONSERVATION CODE
 - INTERNATIONAL PLUMBING CODE
 - INTERNATIONAL MECHANICAL CODE
 - NATIONAL ELECTRIC CODE
 - IF A MANUFACTURER OF EQUIPMENT REQUIRES LARGER CAPACITY CIRCUITRY AND/OR EQUIPMENT, THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER HIS CONTRACT AT NO COST TO THE OWNER.
 - IF A MANUFACTURER OF PROVIDED EQUIPMENT RECOMMENDS ACCESSORY(S) OR OPTION(S) FOR THE SUPPLIED EQUIPMENT; THE CONTRACTOR SHALL PROVIDE ACCESSORY(S) OR OPTION(S) UNDER HIS CONTRACT AT NO COST TO THE OWNER.
 - THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
 - THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
 - ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT AND DEBRIS.
 - COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE.
 - PROVIDE ALL CRANES, RIGGING AND STREET STAGING, AND TRAFFIC CONTROL NEEDED TO INSTALL EQUIPMENT PROVIDED.
 - UNLESS OTHERWISE INDICATED, PROVIDE CONTROL WIRING FOR ALL MECHANICAL SYSTEM EQUIPMENT.
 - CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.
 - UNLESS OTHERWISE INDICATED, SUPPORT PIPES WITH HANGER SPACING IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
 - CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE EXPANSION, CONTRACTION, SLOPE AND ANCHORAGE.
 - CONTRACTOR SHALL INSULATE ALL HVAC SYSTEM PIPING AND DUCTWORK.
 - UNLESS OTHERWISE INDICATED, ALL DUCTWORK, PIPING AND WIRING SHALL BE CONCEALED ABOVE CEILINGS AND/OR IN WALLS.
 - PLANS DO NOT SHOW ALL EQUIPMENT, VALVES, FITTINGS AND CONNECTIONS. SEE PIPING RISER DIAGRAMS, DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - SUBMIT FOR REVIEW DETAILED SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIAL REQUIRED TO COMPLETE THE WORK. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL ACCEPTED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT HAS BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN SPECIFIED OR DETAILED ON THE DRAWINGS, WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THERE-FOR, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
 - TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
 - THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE. WHERE CONTRACTOR SUBSTITUTES EQUIPMENT REQUIRING DIFFERENT SYSTEM CONFIGURATION, HE SHALL BE RESPONSIBLE FOR PROVIDING INSTALLATION SHOP DRAWINGS AND ALL RELATED ACCESSORY EQUIPMENT FOR A COMPLETE SYSTEM INSTALLATION.
 - ASCERTAIN FROM EXAMINATION OF THE DRAWINGS, ANY SPECIAL TEMPORARY OPENINGS AND STRUCTURAL LOADING IN THE BUILDING REQUIRED FOR THE ADMISSION OF APPARATUS PROVIDED UNDER THIS DIVISION. NOTIFY THE OWNER ACCORDINGLY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSEMBLY AND DISASSEMBLY OR EQUIPMENT AS REQUIRED TO PLACE EQUIPMENT IN ITS FINAL LOCATIONS.
 - UNLESS OTHERWISE INDICATED, PROVIDE 14 GAUGE GALVANIZED PIPE SLEEVES TWO (2) SIZES LARGER THAN THE PIPE OR INSULATION WHERE SUCH ASSEMBLIES PENETRATE WALLS, PARTITIONS, FLOORS OR STRUCTURAL MEMBERS.
 - ALL VOIDS BETWEEN PIPES SHALL BE FILLED WITH A FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIAL.
 - ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
 - PROVIDE DYNAMICALLY RATED FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE RATED ASSEMBLIES. TYPICAL.

EVERLYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570
 www.ecsarchitects.com

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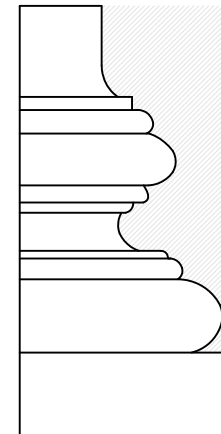
Mechanical Schedules,
 Details, Notes and
 Abbreviations

PROJ. NO. 2018048
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 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

www.ecsarchitects.com

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CONSULTANT

SALAMONE & ASSOCIATES, P.C.
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110 North Plains Industrial Road
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First Floor Electrical
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PROJ. NO. 2018048

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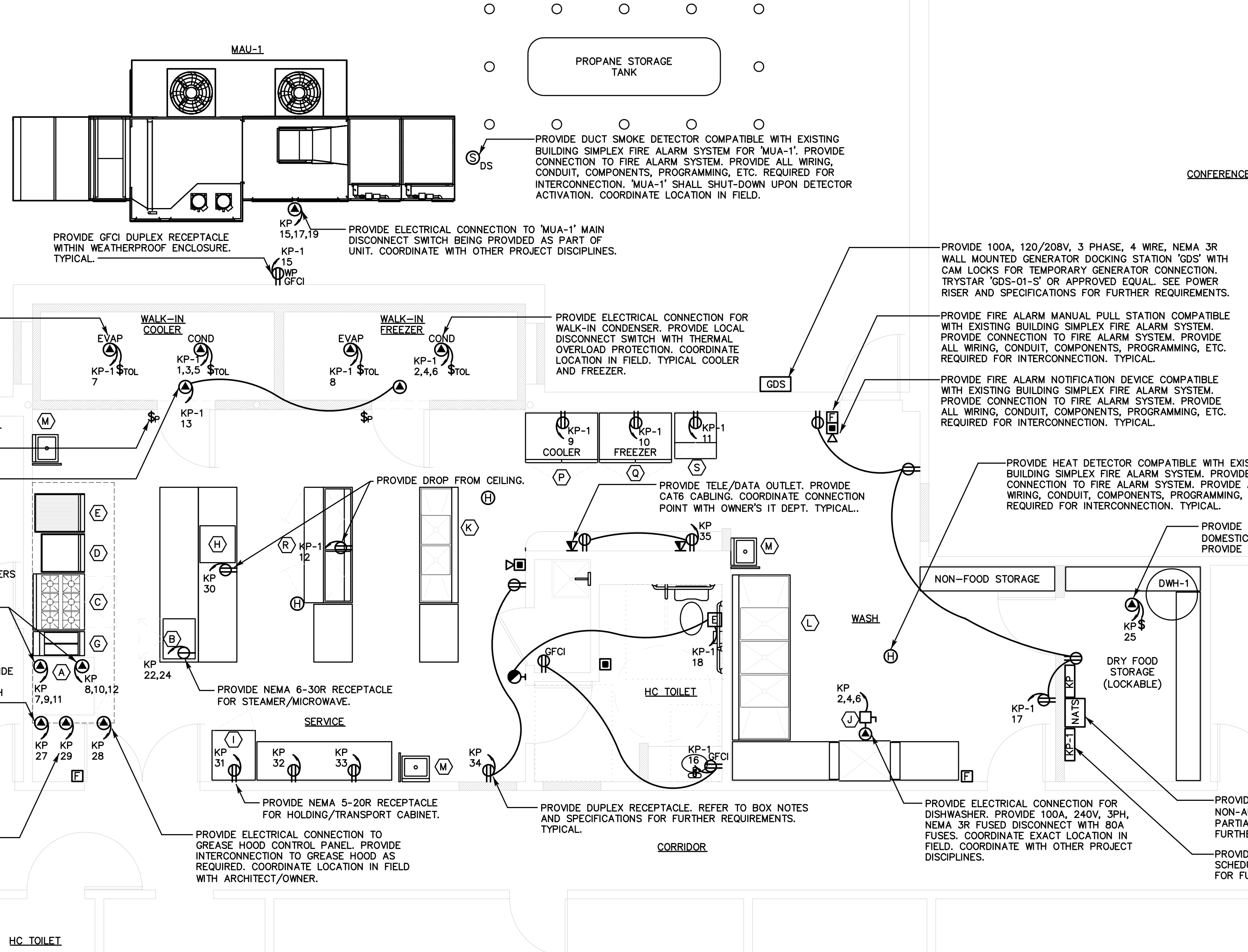
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WALK-IN COOLER/FREEZER NOTES:
 1. WALK-IN UNITS ARE CUSTOM BUILT. CONTRACTOR SHALL VERIFY ACTUAL ELECTRICAL REQUIREMENTS WITH MANUFACTURER/VENDOR AND REVISE ELECTRICAL INDICATED PER NEC AND SPECIFICATIONS AS REQUIRED.

PROVIDE ELECTRICAL CONNECTION FOR WALK-IN EVAPORATOR. PROVIDE LOCAL DISCONNECT SWITCH WITH THERMAL OVERLOAD PROTECTION. TYPICAL COOLER AND FREEZER.

PROVIDE SWITCH WITH PILOT LIGHT FOR CONTROL OF WALK-IN LIGHTING CIRCUIT. TYPICAL COOLER AND FREEZER.

PROVIDE ELECTRICAL CONNECTION FOR WALK-IN COOLER AND FREEZER LIGHTING CIRCUITS.

EXISTING ELECTRICAL PANELBOARD TO REMAIN AND BE REWIRED TO PROPOSED PANELBOARD 'MDP'. REROUTE/MODIFY/EXTEND EXISTING WIRING/CONDUIT AS REQUIRED FOR RECONNECTION. REFER TO PARTIAL POWER RISER AND SPECIFICATIONS FOR FURTHER REQUIREMENTS. TYPICAL.

PROVIDE 600A, 120/208V, 3PH, 4W, MAIN DISTRIBUTION PANELBOARD 'MDP'. REFER TO PANELBOARD SCHEDULES, PARTIAL POWER RISER AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

EXISTING TELEPHONE PUNCH-DOWN ENCLOSURE TO REMAIN.

PROVIDE ELECTRICAL CONNECTION TO CONVECTION OVENS PER MANUFACTURERS REQUIREMENTS AND SPECIFICATIONS. COORDINATE WITH APPLIANCE MANUFACTURER/VENDOR.

PROVIDE ELECTRICAL CONNECTION TO GREASE HOOD LIGHTING CIRCUIT. PROVIDE INTERCONNECTION TO HOOD CONTROL PANEL AS REQUIRED. COORDINATE WITH HOOD MANUFACTURER.

PROVIDE ELECTRICAL CONNECTION TO ANSUL SYSTEM. COORDINATE WITH MANUFACTURER. SEE FIRE ALARM BOX NOTES FOR FURTHER REQUIREMENTS.

PROVIDE ELECTRICAL CONNECTION TO GREASE HOOD CONTROL PANEL. PROVIDE INTERCONNECTION TO GREASE HOOD AS REQUIRED. COORDINATE LOCATION IN FIELD WITH ARCHITECT/OWNER.

PROVIDE DUCT SMOKE DETECTOR COMPATIBLE WITH EXISTING BUILDING SIMPLEX FIRE ALARM SYSTEM FOR 'MAU-1'. PROVIDE CONNECTION TO FIRE ALARM SYSTEM. PROVIDE ALL WIRING, CONDUIT, COMPONENTS, PROGRAMMING, ETC. REQUIRED FOR INTERCONNECTION. 'MAU-1' SHALL SHUT-DOWN UPON DETECTOR ACTIVATION. COORDINATE LOCATION IN FIELD.

PROVIDE 100A, 120/208V, 3 PHASE, 4 WIRE, NEMA 3R WALL MOUNTED GENERATOR DOCKING STATION 'GDS' WITH CAM LOCKS FOR TEMPORARY GENERATOR CONNECTION. TRYSTAR 'GDS-01-S' OR APPROVED EQUAL. SEE POWER RISER AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

PROVIDE FIRE ALARM MANUAL PULL STATION COMPATIBLE WITH EXISTING BUILDING SIMPLEX FIRE ALARM SYSTEM. PROVIDE CONNECTION TO FIRE ALARM SYSTEM. PROVIDE ALL WIRING, CONDUIT, COMPONENTS, PROGRAMMING, ETC. REQUIRED FOR INTERCONNECTION. TYPICAL.

PROVIDE FIRE ALARM NOTIFICATION DEVICE COMPATIBLE WITH EXISTING BUILDING SIMPLEX FIRE ALARM SYSTEM. PROVIDE CONNECTION TO FIRE ALARM SYSTEM. PROVIDE ALL WIRING, CONDUIT, COMPONENTS, PROGRAMMING, ETC. REQUIRED FOR INTERCONNECTION. TYPICAL.

PROVIDE HEAT DETECTOR COMPATIBLE WITH EXISTING BUILDING SIMPLEX FIRE ALARM SYSTEM. PROVIDE CONNECTION TO FIRE ALARM SYSTEM. PROVIDE ALL WIRING, CONDUIT, COMPONENTS, PROGRAMMING, ETC. REQUIRED FOR INTERCONNECTION. TYPICAL.

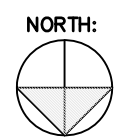
PROVIDE ELECTRICAL CONNECTION FOR DOMESTIC WATER HEATER 'DWH-1'. PROVIDE LOCAL DISCONNECT SWITCH.

PROVIDE 100A, 120/208V, 3PH, 4W, NEMA 1 NON-AUTOMATIC TRANSFER SWITCH 'NATS'. SEE PARTIAL POWER RISER AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

PROVIDE PANELBOARD. REFER TO PANELBOARD SCHEDULES, POWER RISER AND SPECIFICATIONS FOR FURTHER REQUIREMENTS. TYPICAL.

FIRST FLOOR ELECTRICAL PLAN

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



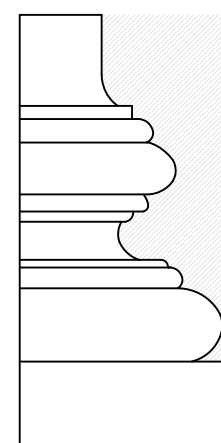
NOTE:
 THE CONTRACTOR(S) SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING. NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF BASE BID AND CONTRACTOR'S SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

SECURITY SYSTEM NOTES:
 1. CONTRACTOR SHALL PROVIDE OUTLET BOXES, CONDUIT AND CABLING FOR ONE (1) DOOR CONTACT AND THREE (3) MOTION DETECTORS FOR SECURITY SYSTEM FROM RESPECTIVE DEVICE BACK TO SECURITY SYSTEM PANEL. COORDINATE LOCATIONS AND REQUIREMENTS WITH OWNER/ARCHITECT.

VIDEO SURVEILLANCE NOTES:
 1. CONTRACTOR SHALL PROVIDE OUTLET BOXES, CONDUIT AND CABLING FOR FOUR (4) VIDEO SURVEILLANCE CAMERAS FROM RESPECTIVE VIDEO CAMERA LOCATION TO NETWORK VIDEO RECORDER. COORDINATE LOCATIONS AND REQUIREMENTS WITH OWNER/ARCHITECT.

FIRE ALARM NOTES:
 1. PROVIDE CONNECTION OF PROPOSED ANSUL SYSTEM TO EXISTING SIMPLEX FIRE ALARM CONTROL PANEL (FACP). PROVIDE ALL ASSOCIATED WIRING, CONDUIT, PROGRAMMING, MODULES, RELAYS, ETC. REQUIRED.
 2. PROVIDE INTERCONNECTIONS FOR PROPOSED EXHAUST FAN FOR HOOD AND MAKE-UP AIR UNIT TO ANSUL SYSTEM. UPON ACTIVATION OF ANSUL SYSTEM MAKE-UP AIR UNIT SHALL SHUT DOWN. EXHAUST FAN SHALL RUN UNLESS OTHERWISE DIRECTED BY FIRE MARSHAL. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHAL. PROVIDE ALL ASSOCIATED WIRING, CONDUIT, PROGRAMMING, MODULES, RELAYS, ETC. REQUIRED.
 3. PROVIDE INTERCONNECTIONS BETWEEN HOOD ANSUL SYSTEM AND SHUNT TRIP CIRCUIT BREAKERS FOR CONVECTION OVEN AND 'MAU-1'. ANSUL SYSTEM SHALL SHUNT TRIP BOTH CIRCUIT BREAKERS UPON ACTIVATION. PROVIDE ALL ASSOCIATED WIRING, CONDUIT, PROGRAMMING, MODULES, RELAYS, ETC. REQUIRED.
 4. PROVIDE INTERCONNECTION BETWEEN ANSUL SYSTEM AND EMERGENCY LP GAS SHUT-OFF FOR GAS EQUIPMENT UNDER HOOD. UPON ANSUL SYSTEM ACTIVATION GAS SHUT-OFF SHALL SHUT. PROVIDE ALL ASSOCIATED WIRING, CONDUIT, PROGRAMMING, MODULES, RELAYS, ETC. REQUIRED. COORDINATE WITH OTHER PROJECT DISCIPLINES.
 5. PROVIDE ALL ASSOCIATED WIRING, CONDUIT, PROGRAMMING, MODULES, RELAYS, ETC. REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

ELECTRICAL NOTES:
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 2. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
 3. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
 4. ROUTING OF ALL CONDUIT SHALL BE COORDINATED WITH EXISTING CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
 5. BUILDINGS WILL BE OCCUPIED DURING ALL PHASES OF CONSTRUCTION. ALL WORK WILL BE PERFORMED CAUSING MINIMAL DISRUPTION TO THE FACILITY. CONTAIN AND CONTROL CONSTRUCTION DEBRIS SO AS NOT TO INTERFERE WITH DAILY OPERATION OF BUILDING. KEEP EGRESS PATHS FREE AND CLEAR OF ANY OBSTRUCTIONS.
 6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 7. CONTRACTOR SHALL NOT DAMAGE ANY EXISTING EQUIPMENT, PIPING, OR ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN.
 8. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH EXISTING STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
 9. INSTALL ALL EQUIPMENT AND ASSOCIATED ACCESSORIES PER NEC AND MANUFACTURER'S REQUIREMENTS.



EVELYN COLE SMITH ARCHITECTS, LLC
 PO Box 182
 134 Main St
 Putnam, CT
 06260
 860 315 9570

www.ecsarchitects.com

STAMP

CONSULTANT

SALAMONE & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

110 North Plains Industrial Road
 Wallingford, Connecticut 06492
 Phone: (203) 281-6895 Fax: (203) 287-8728

PROJECT

Proposed
 Commercial Kitchen

EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

Prepared for

EASTCONN
 376 Hartford Turnpike
 Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

First Floor Lighting
 Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

DESIGNED FB

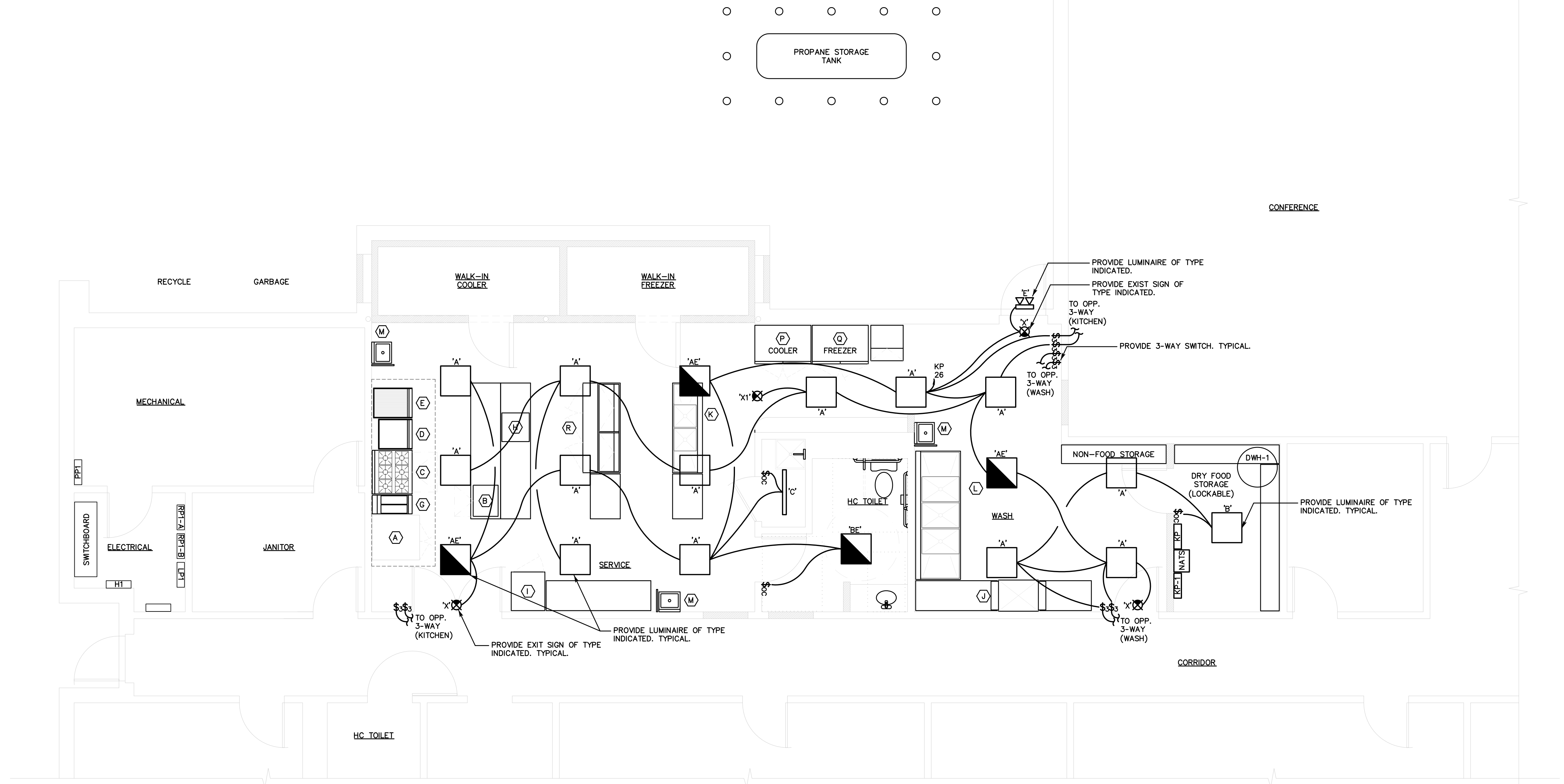
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SHEET

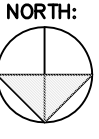
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1 OF -



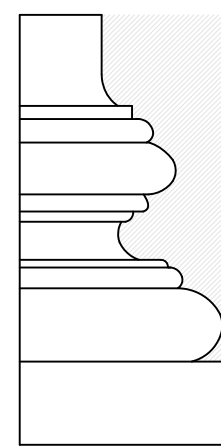
FIRST FLOOR LIGHTING PLAN

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



NOTE:
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- ELECTRICAL NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 2. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
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 4. ROUTING OF ALL CONDUIT SHALL BE COORDINATED WITH EXISTING CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
 5. BUILDINGS WILL BE OCCUPIED DURING ALL PHASES OF CONSTRUCTION. ALL WORK WILL BE PERFORMED CAUSING MINIMAL DISRUPTION TO THE FACILITY. CONTAIN AND CONTROL CONSTRUCTION DEBRIS SO AS NOT TO INTERFERE WITH DAILY OPERATION OF BUILDING. KEEP EGRESS PATHS FREE AND CLEAR OF ANY OBSTRUCTIONS.
 7. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 8. CONTRACTOR SHALL NOT DAMAGE ANY EXISTING EQUIPMENT, PIPING, OR ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN.
 9. PROVIDE ALL REQUIRED PENETRATIONS, COORDINATE WITH EXISTING STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
 10. INSTALL ALL EQUIPMENT AND ASSOCIATED ACCESSORIES PER NEC AND MANUFACTURER'S REQUIREMENTS.



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REVISIONS

Date	Description

SHEET TITLE

Roof Electrical
 Plan

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

DESIGNED FB

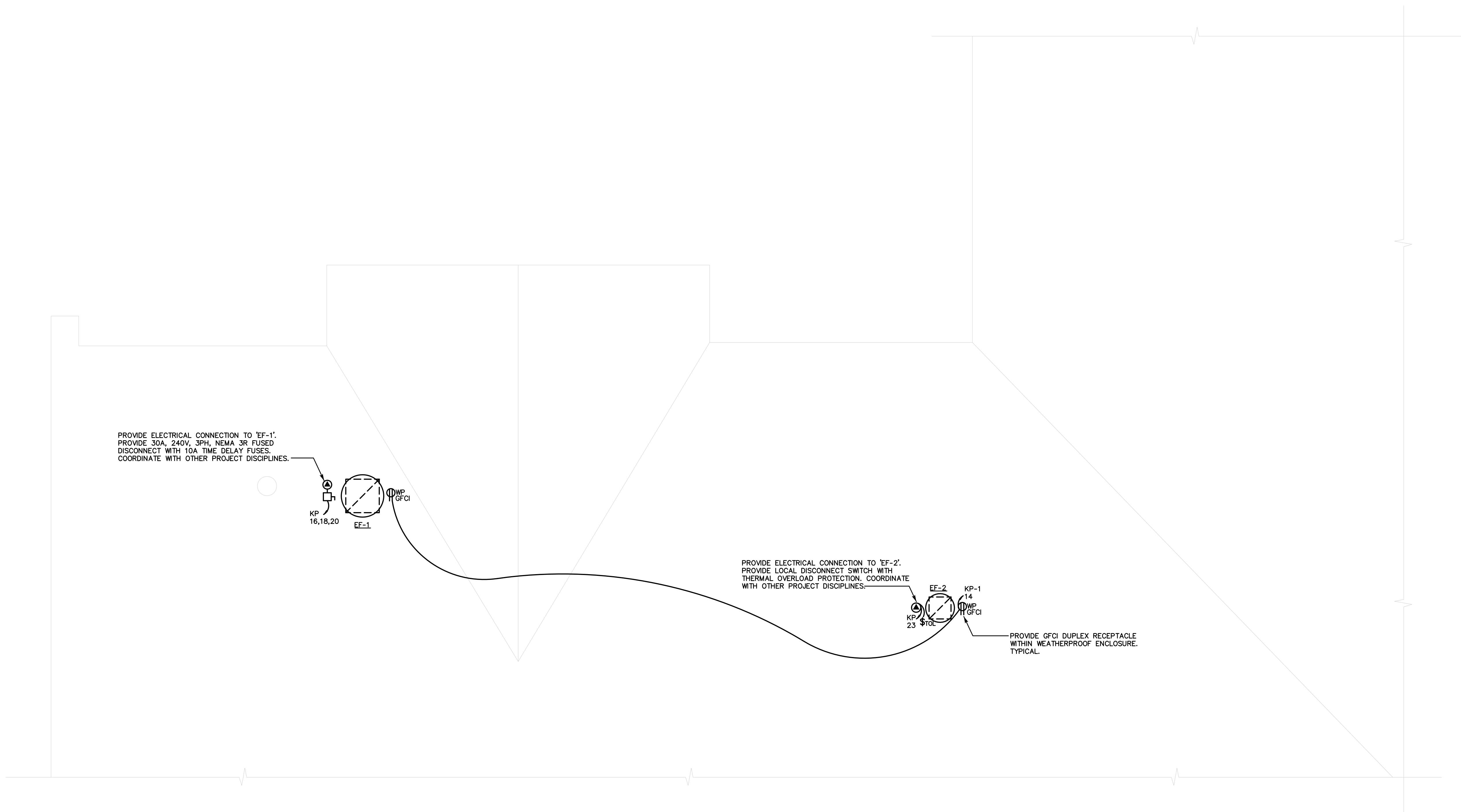
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SHEET

E-3

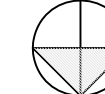
1 OF -



ROOF ELECTRICAL PLAN

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

NORTH:



PANELBOARD MDP		Class: 120/208 Volts 3 Phase 4 Wire		Short Circuit Rating (Min.): 42 KAIC			
SERVICE		Type: 120/208 Volts 3 Phase 4 Wire		Remark: S/E Label: NO			
PANELBOARD CONFIGURATION		600 AMPERE MAIN BUS Trim: SURFACE		Entrance: TOP/BOTTOM Equipment Ground Bus: YES			
MAIN		Type: 600A/3P MCB Wire Size: SEE RISER		Enclosure: NEMA 1			
BRANCH CIRCUITS		Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS)					
Circ No	Circuit Designation	KVA Load	Pole	Trip Amps	Frame Amps	Wire (min.)	See Remark
1	PANEL KP	98.3	3	400	400	SEE RISER	
2	EXIST PANEL RP1A	-	3	225	225	MATCH EXISTING	
3	- - -	-	-	-	-	- - -	
4	- - -	-	-	-	-	- - -	
5	- - -	-	-	-	-	- - -	
6	- - -	-	-	-	-	- - -	
7	EXIST PANEL HP-1	-	3	225	225	MATCH EXISTING	
8	EXIST PANEL PP-1	-	3	225	225	MATCH EXISTING	
9	- - -	-	-	-	-	- - -	
10	- - -	-	-	-	-	- - -	
11	- - -	-	-	-	-	- - -	
12	- - -	-	-	-	-	- - -	
13	PREPARED SPACE	-	3	-	225	- - -	
14	PREPARED SPACE	-	3	-	225	- - -	
15	- - -	-	-	-	-	- - -	
16	- - -	-	-	-	-	- - -	
17	- - -	-	-	-	-	- - -	
18	- - -	-	-	-	-	- - -	
19	EXIST PANEL	-	3	125	125	MATCH EXISTING	'C'
20	EXIST PANEL	-	3	125	125	MATCH EXISTING	'C'
21	- - -	-	-	-	-	- - -	
22	- - -	-	-	-	-	- - -	
23	- - -	-	-	-	-	- - -	
24	- - -	-	-	-	-	- - -	
25	PREPARED SPACE	-	3	-	125	- - -	
26	PREPARED SPACE	-	3	-	125	- - -	
27	- - -	-	-	-	-	- - -	
28	- - -	-	-	-	-	- - -	
29	- - -	-	-	-	-	- - -	
30	- - -	-	-	-	-	- - -	
31	PREPARED SPACE	-	3	-	125	- - -	
32	SPD	-	3	30	100	- - -	
33	- - -	-	-	-	-	- - -	
34	SPD	-	-	-	-	- - -	
35	- - -	-	-	-	-	- - -	
36	SPD	-	-	-	-	- - -	
TOTAL KVA:		-	-	-	-	- - -	

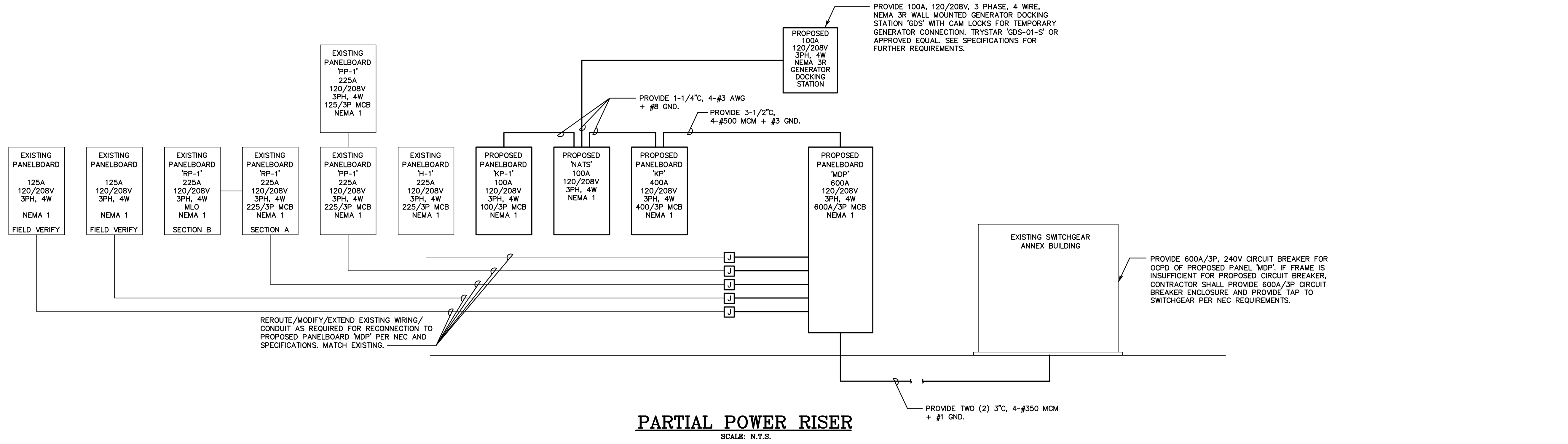
'C' - FIELD VERIFY CIRCUIT BREAKER SIZE REQUIRED.
PROVIDE LEVITON 'S2120-CM3' SURGE PROTECTION DEVICE FOR PANELBOARD OR APPROVED EQUAL.

PANELBOARD KP		Class: 120/208 Volts 3 Phase 4 Wire		Short Circuit Rating (Min.): 22 KAIC			
SERVICE		Type: 120/208 Volts 3 Phase 4 Wire		Remark: S/E Label: NO			
PANELBOARD CONFIGURATION		400 AMPERE MAIN BUS Trim: SURFACE		Entrance: TOP/BOTTOM Equipment Ground Bus: YES			
MAIN		Type: 400A MCB Wire Size: SEE RISER		Enclosure: NEMA 1			
BRANCH CIRCUITS		Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS)					
Circ No	Circuit Designation	KVA Load	Pole	Trip Amps	Frame Amps	Wire (min.)	See Remark
1	PANEL KP-1	14.7	3	100	100	SEE RISER	
2	DISHWASHER	25.5	3	80	100	1" C, 3-#4 AWG + #8 GND	
3	- - -	-	-	-	-	- - -	
4	- - -	-	-	-	-	- - -	
5	- - -	-	-	-	-	- - -	
6	- - -	-	-	-	-	- - -	
7	CONVECTION OVEN DBL STACK	13.8	3	40	100	3/4" C, 3-#8 AWG + #10 GND	'A'
8	CONVECTION OVEN DBL STACK	13.8	3	40	100	3/4" C, 3-#8 AWG + #10 GND	'A'
9	- - -	-	-	-	-	- - -	
10	- - -	-	-	-	-	- - -	
11	- - -	-	-	-	-	- - -	
12	- - -	-	-	-	-	- - -	
13	- - -	-	-	-	-	- - -	
14	- - -	-	-	-	-	- - -	
15	MUA-1	24.1	3	80	100	1" C, 3-#4 AWG + #8 GND	'A'
16	EF-1	3.4	3	15	100	3/4" C, 4-#12 AWG	
17	- - -	-	-	-	-	- - -	
18	- - -	-	-	-	-	- - -	
19	- - -	-	-	-	-	- - -	
20	- - -	-	-	-	-	- - -	
21	- - -	-	-	-	-	- - -	
22	COMBI STEAMER/MICROWAVE	5.8	2	30	100	3/4" C, 3-#8 AWG	
23	EF-2	0.4	1	15	100	3/4" C, 3-#12 AWG	
24	- - -	-	-	-	-	- - -	
25	DOMESTIC WATER HEATER	0.6	1	15	100	3/4" C, 3-#12 AWG	
26	LTG-KITCH/WASH/STOR/RESTRM	1.2	1	20	100	3/4" C, 3-#12 AWG	
27	LTG-GREASE HOOD	1.0	1	15	100	3/4" C, 3-#12 AWG	
28	GREASE HOOD CONTROL PANEL	0.6	1	15	100	3/4" C, 3-#12 AWG	
29	ANSUL FP SYSTEM-HOOD	1.2	1	20	100	3/4" C, 3-#12 AWG	
30	HOBART SLICER	0.5	1	20	100	3/4" C, 3-#12 AWG	
31	HOLDING/TRANSPORT CABINET	2.0	1	25	100	3/4" C, 3-#10 AWG	
32	RECEPT-KITCHEN	0.4	1	20	100	3/4" C, 3-#12 AWG	
33	RECEPT-KITCHEN	0.2	1	20	100	3/4" C, 3-#12 AWG	
34	RECEPT-KITCHEN	0.4	1	20	100	3/4" C, 3-#12 AWG	
35	RECEPT-KITCHEN	0.4	1	20	100	3/4" C, 3-#12 AWG	
36	PREPARED SPACE	-	1	-	100	- - -	
37	PREPARED SPACE	-	1	-	100	- - -	
38	SPD	-	1	30	100	- - -	
39	PREPARED SPACE	-	1	-	100	- - -	
40	SPD	-	1	-	100	- - -	
41	PREPARED SPACE	-	1	-	100	- - -	
42	SPD	-	1	-	100	- - -	
TOTAL KVA:		98.3*	-	-	-	- - -	

'A' - SHUNT TRIP CIRCUIT BREAKER
'B' - DERATED PER NEC
'C' - FIELD VERIFY CIRCUIT BREAKER SIZE REQUIRED.
PROVIDE LEVITON 'S2120-CM3' SURGE PROTECTION DEVICE FOR PANELBOARD OR APPROVED EQUAL.

PANELBOARD KP-1		Class: 120/208 Volts 3 Phase 4 Wire		Short Circuit Rating (Min.): 22 KAIC			
SERVICE		Type: 120/208 Volts 3 Phase 4 Wire		Remark: S/E Label: NO			
PANELBOARD CONFIGURATION		100 AMPERE MAIN BUS Trim: SURFACE		Entrance: TOP/BOTTOM Equipment Ground Bus: YES			
MAIN		Type: 100/3P MCB Wire Size: SEE RISER		Enclosure: NEMA 1			
BRANCH CIRCUITS		Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS)					
Circ No	Circuit Designation	KVA Load	Pole	Trip Amps	Frame Amps	Wire (min.)	See Remark
1	WALKIN COOLER CONDENSER	2.7	3	20	100	3/4" C, 4-#12 AWG	'B'
2	WALKIN FREEZER CONDENSER	2.7	3	20	100	3/4" C, 4-#12 AWG	'B'
3	- - -	-	-	-	-	- - -	
4	- - -	-	-	-	-	- - -	
5	- - -	-	-	-	-	- - -	
6	- - -	-	-	-	-	- - -	
7	WALKIN COOLER EVAPORATOR	0.7	1	15	100	3/4" C, 3-#12 AWG	'B'
8	WALKIN FREEZER EVAPORATOR	0.7	1	15	100	3/4" C, 3-#12 AWG	'B'
9	REACH-IN REFRIGERATOR	0.9	1	20	100	3/4" C, 3-#12 AWG	
10	REACH-IN FREEZER	1.6	1	20	100	3/4" C, 3-#12 AWG	
11	ICE MACHINE	1.4	1	20	100	3/4" C, 3-#12 AWG	
12	SANDWICH PREP TABLE	1.2	1	20	100	3/4" C, 3-#12 AWG	
13	LTG-WALKIN COOLER/FREEZER	0.6	1	15	100	3/4" C, 3-#12 AWG	
14	RECEPT-ROOF	0.4	1	20	100	3/4" C, 3-#12 AWG	
15	RECEPT-MUA-1	0.2	1	20	100	3/4" C, 3-#12 AWG	
16	RECEPT-RESTROOM/JAN CLOSET	0.4	1	20	100	3/4" C, 3-#12 AWG	
17	RECEPT-WASH/STORAGE	0.8	1	20	100	3/4" C, 3-#12 AWG	
18	RESTROOM CALL-FOR-AID	0.4	1	15	100	3/4" C, 3-#12 AWG	
19	PREPARED SPACE	-	1	-	100	- - -	
20	PREPARED SPACE	-	1	-	100	- - -	
21	PREPARED SPACE	-	1	-	100	- - -	
22	PREPARED SPACE	-	1	-	100	- - -	
23	PREPARED SPACE	-	1	-	100	- - -	
24	PREPARED SPACE	-	1	-	100	- - -	
25	PREPARED SPACE	-	1	-	100	- - -	
26	PREPARED SPACE	-	1	-	100	- - -	
27	PREPARED SPACE	-	1	-	100	- - -	
28	PREPARED SPACE	-	1	-	100	- - -	
29	PREPARED SPACE	-	1	-	100	- - -	
30	PREPARED SPACE	-	1	-	100	- - -	
TOTAL KVA:		14.7	-	-	-	- - -	

'B' - REVISE AS REQUIRED PER NEC AND SPECIFICATIONS FOR ACTUAL EQUIPMENT INSTALLED.



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860.315.9570
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STAMP

CONSULTANT
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PROJECT
Proposed Commercial Kitchen
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REVISIONS

Date	Description

SHEET TITLE
Electrical Panelboard Schedules & Power Riser

PROJ. NO. 2018048
SCALE AS NOTED
DATE APRIL, 2019
DESIGNED FB
DRAWN FB
CHECKED JAS

SHEET
E-4
1 OF -

ELECTRICAL SYMBOL LIST	
OR	CEILING OR WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS
	EXIT SIGN SHADING INDICATES LIGHTED FACE
	DUPLEX RECEPTACLE GFCI - GROUND FAULT CIRCUIT INTERRUPTER IG - ISOLATED GROUND WP - WEATHERPROOF L - LOCKABLE COVER
	AUTOMATIC DOOR OPENER
	CARD ACCESS READER
	SPECIAL PURPOSE CONNECTION
S	SWITCH (NONE) - SINGLE POLE 2 - TWO POLE 3 - THREE WAY 4 - FOUR WAY D - DIMMER TOL - THERMAL OVERLOAD PROTECTION DEVICE K - KEYS K3 - KEYS 3 WAY LK - KEYS LOW VOLTAGE LK3 - KEYS 3 WAY LOW VOLTAGE OS - OCCUPANCY SENSOR
	DISCONNECT SWITCH
	COMBINATION TELEPHONE/DATA OUTLET
	DATA OUTLET
	INTRUSION DOOR CONTACT
	INTRUSION GLASS BREAK SENSOR
	INTRUSION WALL MOUNTED MOTION DETECTOR
	INTRUSION CEILING MOUNTED MOTION DETECTOR
	SECURITY CAMERA
	SECURITY CAMERA WITHIN WEATHERPROOF DOME
	DOOR RELEASE
1LP1 2	BRANCH CIRCUIT HOMERUN (ARROWS INDICATE CIRCUIT NUMBERS)

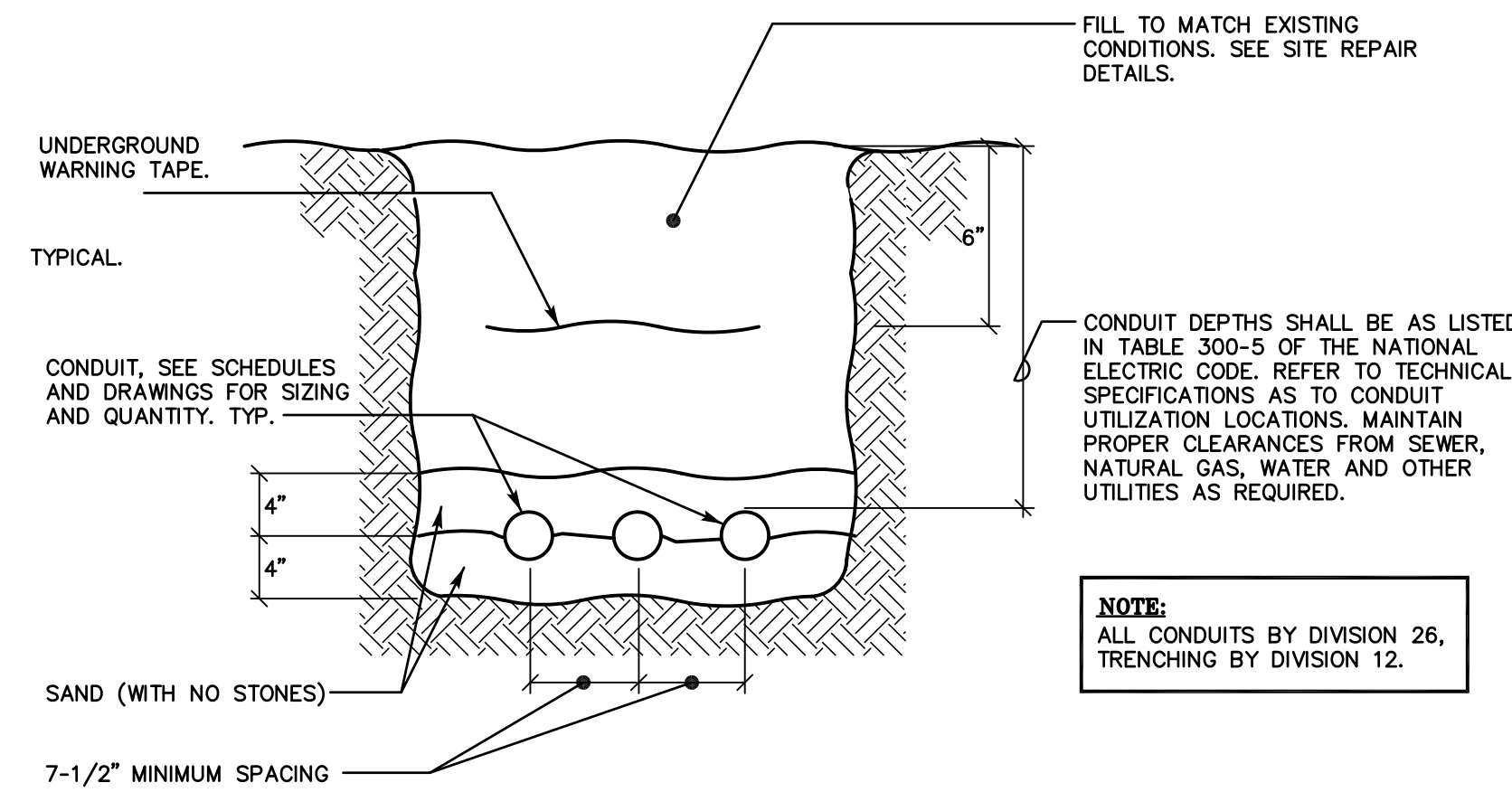
FIRE ALARM SYMBOL LIST	
H	HEAT DETECTOR
F	MANUAL PULL STATION; MOUNT 48" A.F.F.
S _D	DUCT MOUNTED SMOKE DETECTOR DS: SUPPLY DUCT DR: RETURN DUCT
	AUDIBLE/VISUAL NOTIFICATION DEVICE - MOUNT 7'-6" A.F.F.
	VISUAL NOTIFICATION DEVICE - MOUNT 7'-6" A.F.F.

CALL FOR AID SYMBOL LIST	
E	EMERGENCY CALL DEVICE
	EMERGENCY CALL FOR AID LIGHT/HORN

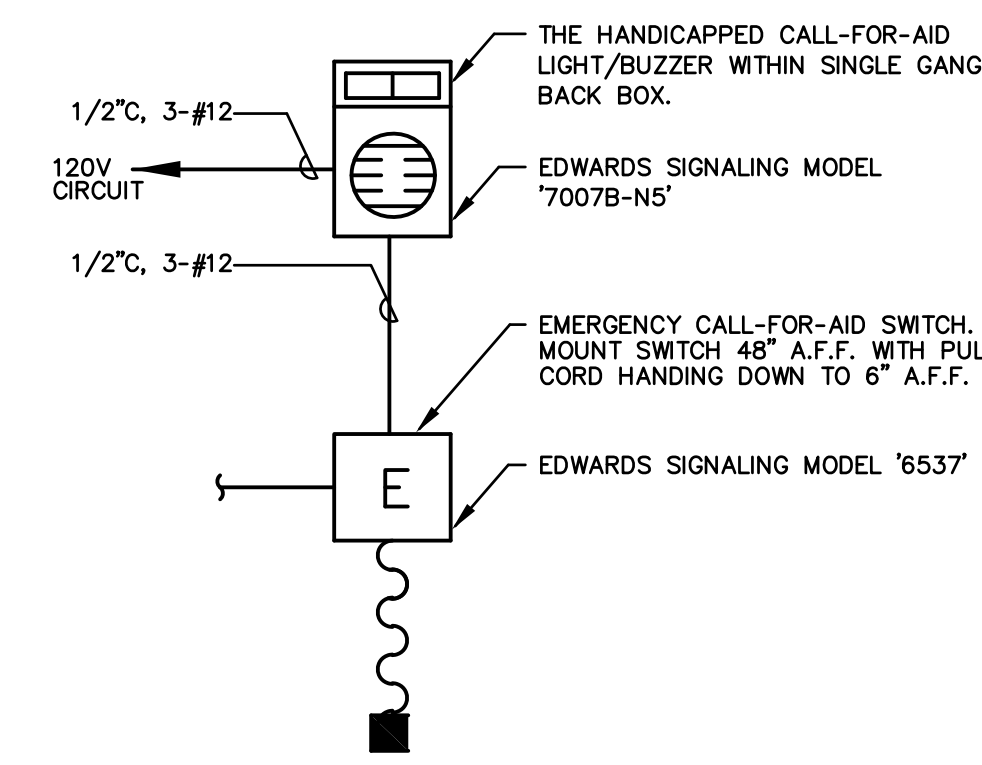
ELECTRICAL ABBREVIATIONS	
A	AMPERES
A.F.F.	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
OR	CIRCUIT
E	EMERGENCY
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G	GROUNDING
HP	HORSEPOWER
KAIC	INTERRUPTING CAPACITY (KILOAMPERE)
KVA	KILOVOLT-AMPERE
KW	KILOWATT
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASS.
P	POLE
UL	UNDERWRITER'S LABORATORY
UTIL	UTILITY
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
#	WIRE SIZE IN AWG, OR MCM WHEN INDICATED

LUMINAIRE SCHEDULE					
LTG. CODE	DESCRIPTIONS	VOLTS	CATALOG NO./ MANUFACTURER	MOUNTING	LAMP (G.E. OR EQUAL)
'A'	2'X2' RECESSED HIGH OUTPUT LENSED LED FIXTURE. STEEL HOUSING, GASKETED DOOR. 5370 NOMINAL LUMENS DELIVERED. 3500K COLOR. HIGH EFFICIENCY DRIVER. WHITE FINISH. FIVE YEAR WARRANTY. UL LISTED WET LOCATIONS, FOOD ZONE, NON-CONTACT.	120	CSEDO-22-45L35K-DCC-120-2F-2H-SYM-FN KENALL	RECESSED/CEILING	LED
'AE'	FIXTURE TYPE 'A' WITH EMERGENCY BATTERY PACK.	120	CSEDO-22-45L35K-DCC-120-2F-2H-SYM-FN-LEL KENALL	RECESSED/CEILING	LED
'B'	2'X2' RECESSED LED FIXTURE. EXTRUDED ALUMINUM HOUSING, ACRYLIC DIFFUSER. 3800 NOMINAL LUMENS DELIVERED. 3500K COLOR. HIGH EFFICIENCY DRIVER. WHITE FINISH. FIVE YEAR WARRANTY. UL LISTED.	120	2FXP38L835-2-DS-UNIV-DIM PHILIPS DAY-BRITE	RECESSED/CEILING	LED
'BE'	FIXTURE TYPE 'B' WITH EMERGENCY BATTERY PACK.	120	2FXP38L835-2-DS-UNIV-DIM-EMLED7 PHILIPS DAY-BRITE	RECESSED/CEILING	LED
'C'	3'X3' SURFACE LED FIXTURE. STEEL HOUSING, ACRYLIC DIFFUSER. 3000 NOMINAL LUMENS DELIVERED. 3500K COLOR. HIGH EFFICIENCY DRIVER. WHITE FINISH. FIVE YEAR WARRANTY. UL LISTED.	UNV	FSS330L835-UNV-DIM PHILIPS DAYBRITE	SURFACE/CEILING	LED
'E'	FULLY ADJUSTABLE DUAL HEAD LED REMOTE EMERGENCY LIGHTING UNIT. UL LISTED WET LOCATIONS.	-	PRWLED2MV EVENLITE	EXTERIOR/WALL	LED
'X'	LED EXIT SIGN. WHITE HOUSING, RED LETTERING. LOW ENERGY CONSUMPTION. 90 MINUTE MAINTENANCE FREE BATTERY. SELF-TEST/SELF-DIAGNOSTICS. 5 YEAR WARRANTY. UL LISTED DAMP LOCATIONS.	UNV	RZR3-EM-R-1-WH-1B-SD EVENLITE	WALL	LED
'X1'	LED EXIT SIGN. WHITE HOUSING, RED LETTERING. LOW ENERGY CONSUMPTION. 90 MINUTE MAINTENANCE FREE BATTERY. SELF-TEST/SELF-DIAGNOSTICS. 5 YEAR WARRANTY. UL LISTED DAMP LOCATIONS.	UNV	RZR3-EM-R-1-WH-CN-SD EVENLITE	CEILING	LED
'X2'	LED EXIT SIGN. WHITE HOUSING, RED LETTERING. LOW ENERGY CONSUMPTION. 90 MINUTE MAINTENANCE FREE BATTERY. SELF-TEST/SELF-DIAGNOSTICS. REMOTE CAPABILITY, 5 YEAR WARRANTY. UL LISTED DAMP LOCATIONS.	UNV	RZR3-EM-R-1-WH-1B-SD-PRWLED2MV EVENLITE	WALL	LED

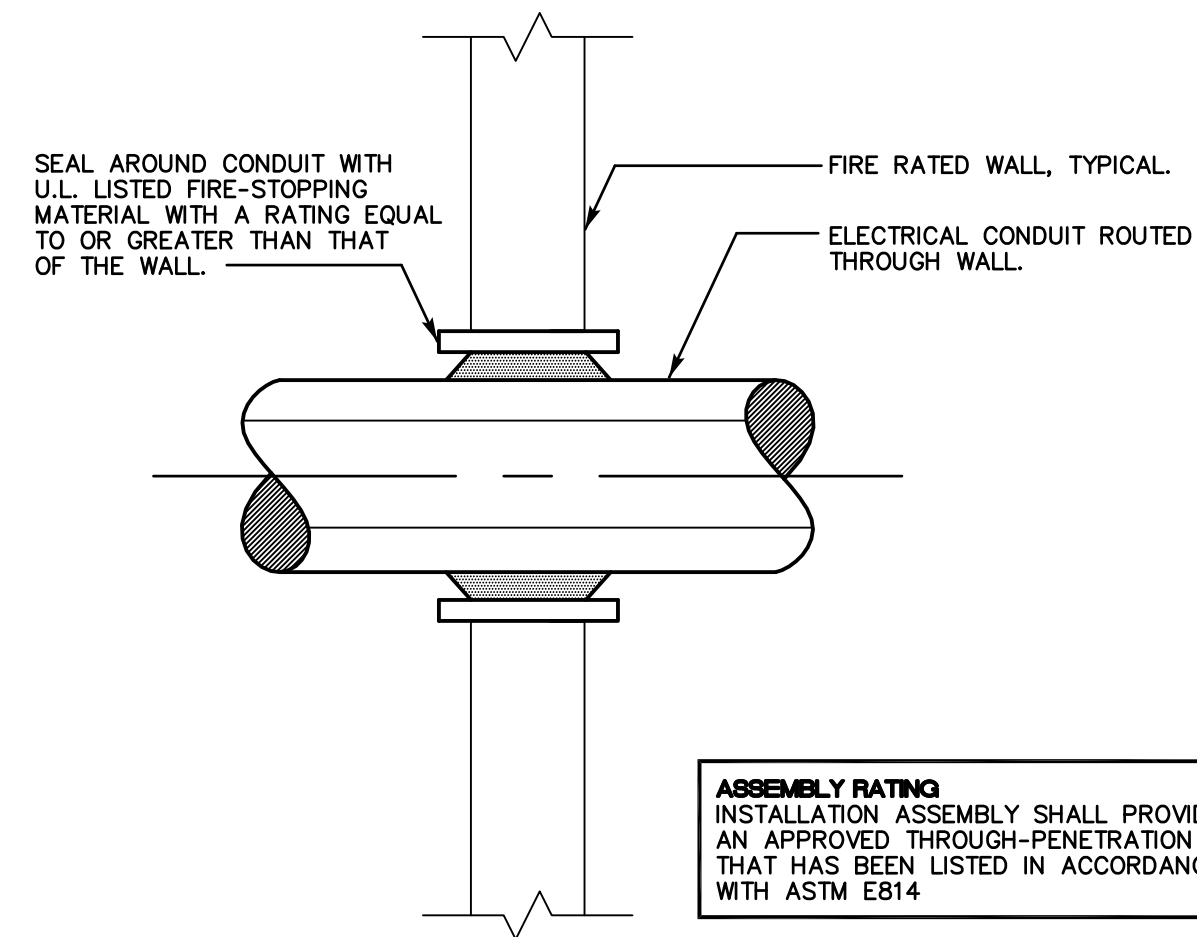
- ### ELECTRICAL GENERAL NOTES
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 EDITION OF THE NEC (NFPA 70) WITH STATE OF CONNECTICUT AMENDMENTS AND SUPPLEMENTS.
 - PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
 - ELECTRICAL PLANS AND DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS AND ADDITIONAL PULL AND JUNCTION BOXES.
 - ALL EQUIPMENT AND MATERIAL SHALL BE LABELED, LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
 - THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
 - ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
 - THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) WITH STATE OF CONNECTICUT AMENDMENTS.
 - THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
 - THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
 - THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS.
 - THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE".
 - ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THIS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE/AREA BEFORE PERFORMING THE WORK.
 - COORDINATE ELECTRICAL WORK WITH OWNER.
 - COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
 - TURN OVER TO THE OWNER ALL MANUFACTURERS WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
 - UNLESS OTHERWISE INDICATED, ALL ELECTRICAL EQUIPMENT HAS BEEN BASED ON GENERAL ELECTRIC PRODUCTS.
 - THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE.
 - UNLESS OTHERWISE INDICATED, ALL ENCLOSURES FOR EQUIPMENT PROVIDED SHALL BE NEMA TYPE 1.
 - UNLESS OTHERWISE INDICATED, ALL CONDUCTORS TO BE COPPER THHN/THWN-2.
 - UNLESS OTHERWISE INDICATED, ALL OUTLET AND SWITCH BOXES TO BE CAST IRON WITH THREADED HUBS.
 - IN INTERIOR PROTECTED LOCATIONS, OUTLET AND SWITCH BOXES MAY BE STEEL.
 - BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
 - UNLESS OTHERWISE INDICATED, ALL CONDUCTORS ARE NO. 12 AWG.
 - COORDINATE ELECTRICAL WORK WITH LOCAL UTILITY COMPANY.
 - CONTRACTOR RESPONSIBLE FOR PAYING LOCAL UTILITY COMPANY CHARGES.
 - CONDUIT SIZE FOR INDICATED CONDUCTORS SHALL BE BASED ON CHAPTER 9 OF NEC.
 - THE CONTRACTOR MAY GROUP BRANCH CIRCUIT HOME RUN CONDUCTORS IN A SINGLE RACEWAY IN ACCORDANCE WITH NEC.
 - ALL BLANK COVER PLATES TO BE STAINLESS STEEL.
 - PROVIDE TRENCHING, SAND AND BACKFILL FOR ALL UNDERGROUND ELECTRICAL CONDUITS AND WIRING AS REQUIRED.



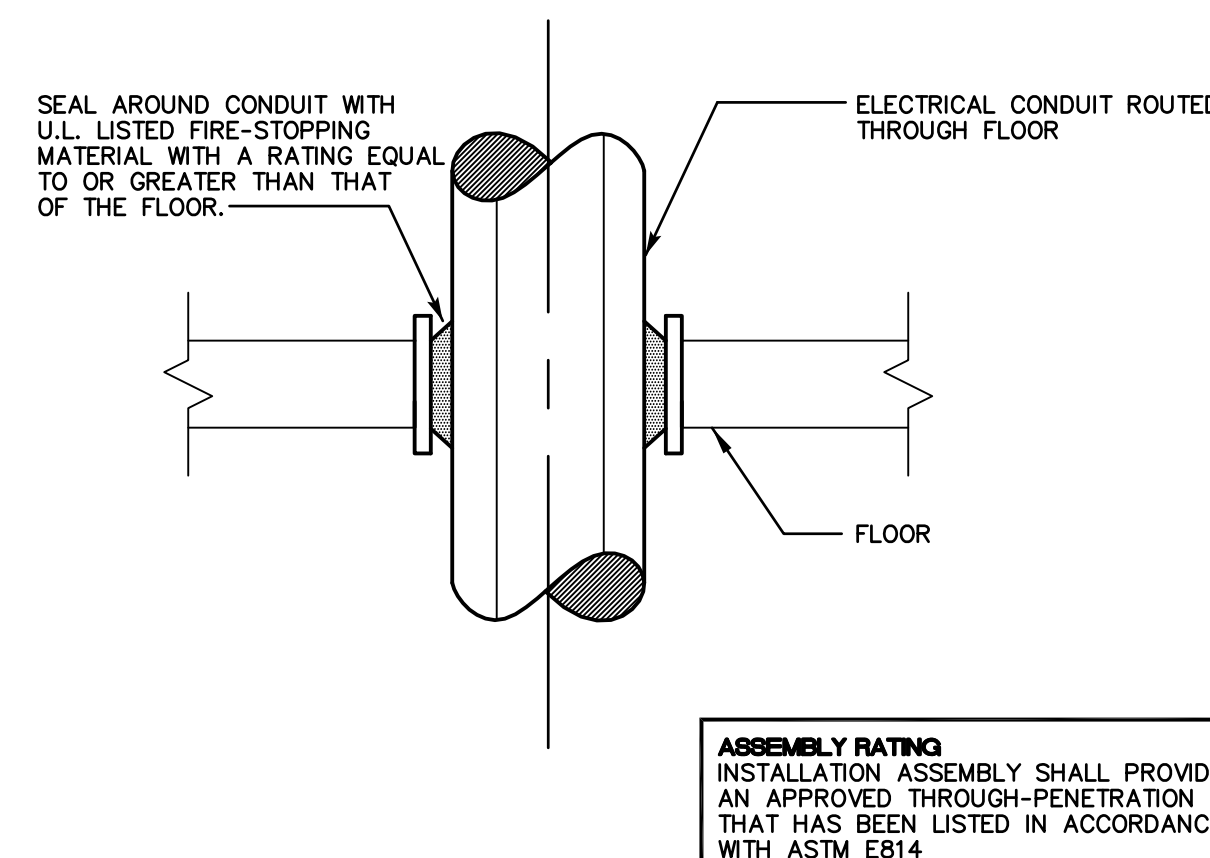
TYPICAL TRENCH DETAIL
SCALE: N.T.S.



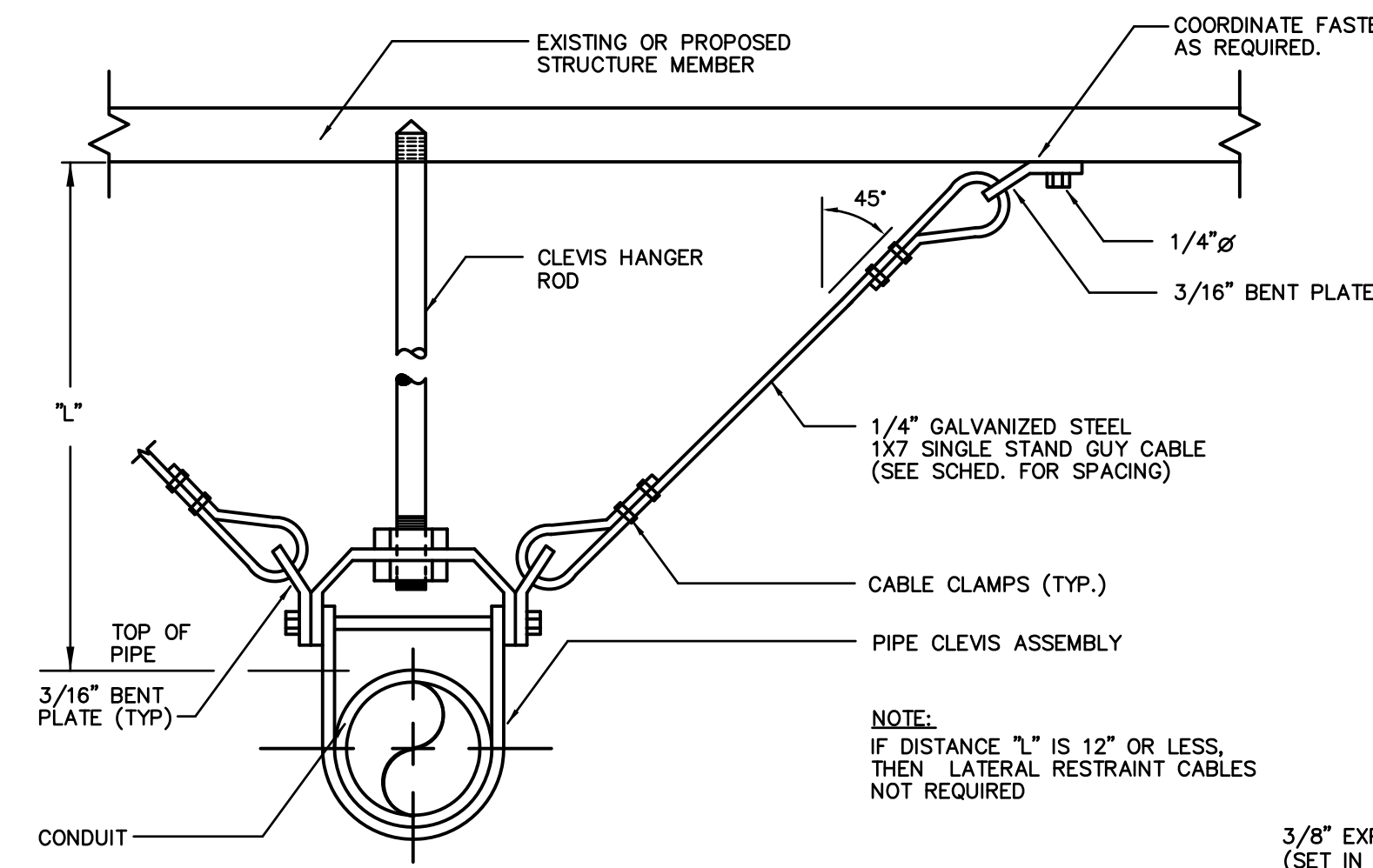
CALL-FOR-AID DETAIL
SCALE: N.T.S.



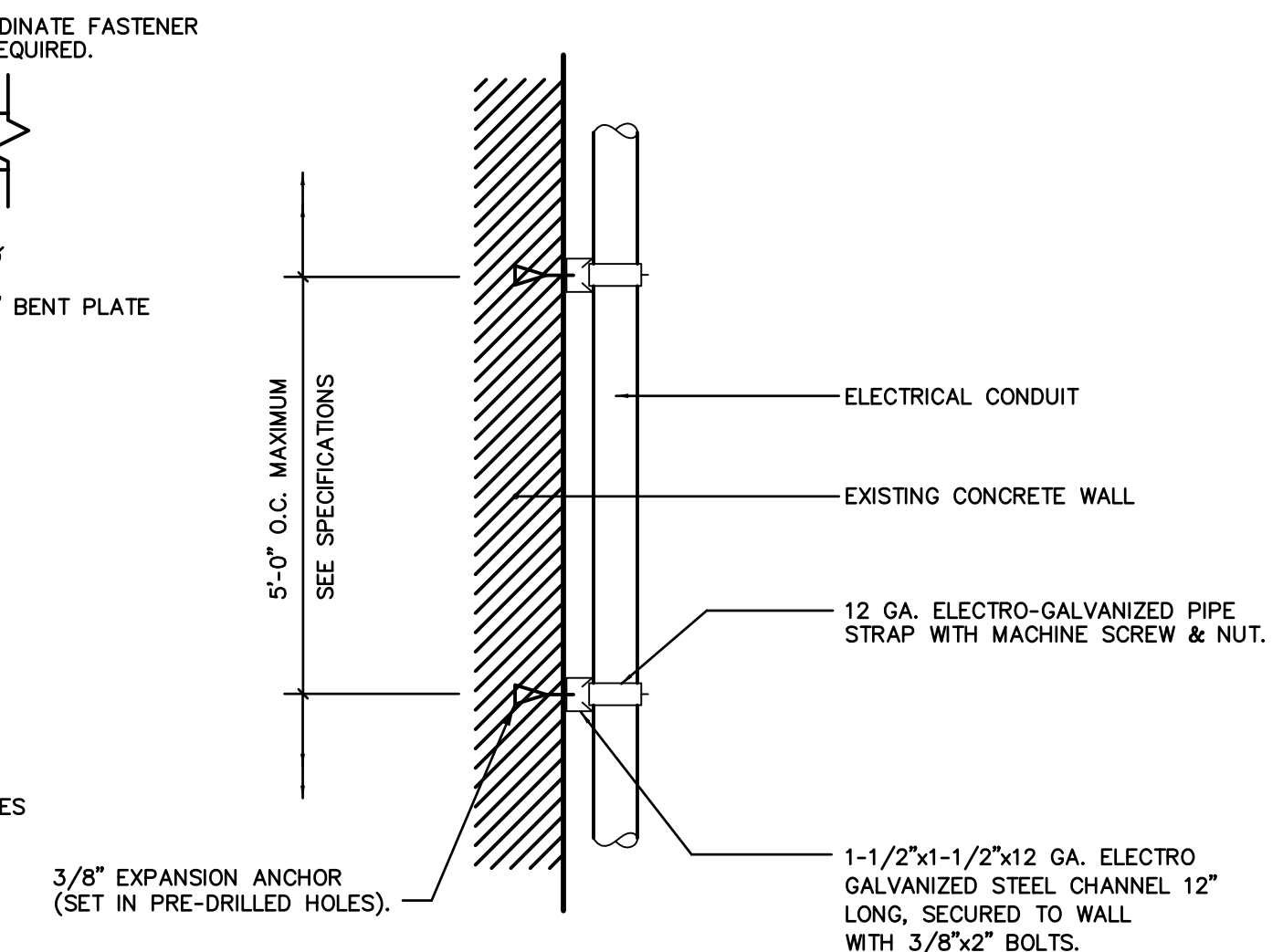
TYPICAL CONDUIT WALL PENETRATION DETAIL (UL XHEX C-AJ-1008)
SCALE: N.T.S.



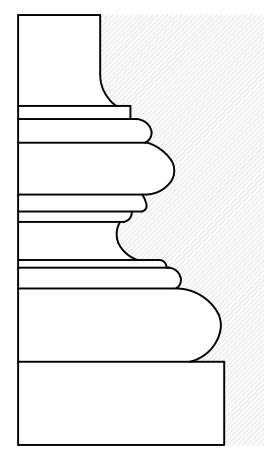
TYPICAL CONDUIT FLOOR PENETRATION DETAIL (UL XHEX C-AJ-1008)
SCALE: N.T.S.



TYPICAL SEISMIC RESTRAINT ASSEMBLY OF SUSPENDED CONDUIT
SCALE: N.T.S.



TYPICAL VERTICAL CONDUIT SUPPORT DETAIL
SCALE: N.T.S.



EVELYN COLE SMITH ARCHITECTS, LLC
PO Box 182
134 Main St
Putnam, CT
06260
860 315 9570

www.ecsarchitects.com

STAMP

CONSULTANT

SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS
110 North Plain Industrial Road
Wallington, Connecticut 06495
Phone: (203) 281-8865 Fax: (203) 287-8728

PROJECT

Proposed
Commercial Kitchen

EASTCONN
376 Hartford Turnpike
Hampton, CT 06247

Prepared for

EASTCONN
376 Hartford Turnpike
Hampton, CT 06247

REVISIONS

Date	Description

SHEET TITLE

Electrical Schedules,
Details, Symbols, Notes
& Abbreviations

PROJ. NO. 2018048

SCALE AS NOTED

DATE APRIL, 2019

DESIGNED FB

DRAWN FB

CHECKED JAS

SHEET

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