

CLIENT NAME Fort Wayne Community Schools
Project Name & Number Wayne HS Dining - 20230232
Date 11/4/2024

ADDENDUM NO. 3

This addendum is issued as a supplement to the plans and specifications and shall be considered an integral part of the same.

- Item: 3.01**
Location: Sheets A2.1F, A5.1, A6.1, A6.2, A7.1, A10.1
Description: Clarification provided for 'screenwalls' and booth details in Dining area.
- Item: 3.02**
Location: Sheet A5.1
Description: Detail 4 modified to align with structural drawings.
- Item: 3.03**
Location: Sheet A9.1F, A9.2, A10.1
Description: Projection screen added in Dining.
- Item: 3.04**
Location: Sheets A9.1F, A10.2, M2.1F, M2.4F, E2.1F, E2.4, E3.1F, E6.2, E6.3, KH25 THRU KH32
Description: Add new Hood-6 and accompanying exhaust fan, grease duct and make-up air unit added to Test Kitchen F1. Add gas line on the roof to the new make-up air unit. Modify duct layout in F1 to accommodate added equipment and ductwork. See electrical drawings for circuitry and wiring information. Rooftop maintenance receptacle shifted to be in proximity to new equipment. Lighting and TV placement adjusted accordingly.
- Item: 3.05**
Location: Sheet A11.1F
Description: Hatch region modified for clarification on floor finishes in Serving and Kitchen. Detail 5 omitted from sheet.
- Item: 3.06**
Location: Sheets P2.0F, P3.2
Description: Remove the sink along the south wall of Storage F35. Change the floor drains in Warewash F38 to be trench drains provided by FSEC and installed by plumbing contractor.
- Item: 3.07**
Location: Sheet E2.1F
Description: Circuits feeding equipment located underneath hoods noted to have shunt trip breakers.
- Item: 3.08**
Location: Sheets E2.1F, E2.4, E3.1F
Description: Provide unit price for electrical contractor to provide the following items in their entirety: (1) panelboard K, (51) F1 light fixtures, (6) SW2 on/off switches with integral occupancy sensor, and (7) SW3 on/off switches.
- Item: 3.09**
Location: Sheets E2.1F, E6.2, E6.3
Description: Power to KE-163 Test Kitchen Service Counter adjusted to include Drop-In Induction Cooktop.

Item: 3.10
Location: Specifications
Description: Add the following specifications sections: 02 00 00 Existing Materials Available for Project, 09 51 00 Acoustical Ceilings, 10 44 13 Fire Protection Cabinets, 10 44 16 Fire Extinguishers, and 11 52 13 Projection Screens.

Each contractor is responsible for incorporating all changes into their bid.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jeremiah Hatfield". The signature is written in a cursive, somewhat stylized font.

Jeremiah Hatfield, Senior Architect
Design Collaborative, Inc.
JMH/KLB

- GENERAL CONSTRUCTION NOTES**
- REFER TO GENERAL INFORMATION SHEET G0.2 FOR SYMBOLS LEGENDS AND ABBREVIATIONS.
 - CONTRACTORS INSTALLED WORK IS TO COMPLY WITH ALL LOCAL, STATE AND NATIONAL BUILDING CODES AND THE AMERICANS WITH DISABILITY ACT.
 - CONTRACTORS ARE TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO COMPLETE THE PROJECT.
 - CONTRACTORS SHALL FULLY REVIEW ALL PROJECT DOCUMENTS AND PROVIDE ALL INFORMATION AS REQUIRED FOR SUBMITTALS. CONTRACTORS ARE RESPONSIBLE TO REVIEW THE FULL EXTENT OF THE WORK PRIOR TO EXECUTION OF THE BIDS. DO NOT SCALE THE DRAWINGS. PLEASE FORWARD ALL QUESTIONS REGARDING CLARIFICATION OF DIMENSIONS TO THE ARCHITECT ENGINEER FOR IMMEDIATE RESOLUTION.
 - NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO SHOP DRAWING PREPARATION, MATERIAL FABRICATION AND/OR INSTALLATION OF WORK.
 - CONTRACTOR SHALL INCLUDE A SIGNED AUTHORIZATION WITH ALL MATERIAL AND EQUIPMENT SHOP DRAWINGS SUBMITTALS INDICATING THAT FIELD DIMENSIONS WERE OBTAINED AND ARE ACCURATE TO THE BEST OF THEIR KNOWLEDGE.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS RELATIVE TO THE PROJECT PRIOR TO MATERIAL FABRICATION & INSTALLATION. CONFLICTS, OMISSIONS AND/OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT ENGINEER IMMEDIATELY FOR RESOLUTION AND PRIOR TO PROCEEDING WITH THE WORK.
 - CONTRACTOR SHALL COORDINATE ALL WORK WITH THE EQUIPMENT MANUFACTURER TO ENSURE APPROPRIATE WALL BLOCKING REQUIREMENTS FOR SUPPORT OF THE EQUIPMENT AND ROUGH IN CLEARANCE REQUIREMENTS FOR EQUIPMENT INSTALLATION AND USE.
 - CONTRACTOR TO LAY OUT AND MARK ALL WALLS AND OPENINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
 - DETAILS AND NOTES ON THESE PAGES MAY BE GENERALIZED AND SHALL SERVE TO AID THE CONTRACTOR IN EVALUATION OF THIS WORK AS REQUIRED FOR NEW CONSTRUCTION, BUT DRAWINGS SHALL NOT BE HELD TO BE ALL INCLUSIVE. CONTRACTOR TO PERFORM FIELD ALTERATIONS, PATCHING AND PREPARATION FOR ALL NEW WORK AS REQUIRED WHETHER OR NOT IT IS SPECIFICALLY NOTED IN THESE DRAWINGS. CONSULT WITH PRODUCT MANUFACTURERS FOR ALL THEIR REQUIREMENTS OF INSTALLATION.
 - IT IS PREFERRED THAT ALL CONTRACTORS UTILIZE THE SAME FIRESTOPPING CONTRACTOR FOR THE FIRESTOPPING SCOPE OF WORK. SEE THE FIRESTOPPING NOTES ON THE LIFE SAFETY PLAN FOR MORE INFORMATION.
 - ALL MASONRY CUTTINGS/FILL IS INTENDED TO ALIGN TO EXISTING STACK ROND JOINTS AT 16" O.C. REQUEST CLARIFICATION FROM ARCHITECT IF LAYOUT DOES NOT ALLOW.

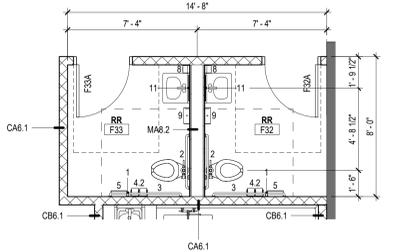
- PLAN CONSTRUCTION KEYNOTES**
- 33000-19 THICKENED EDGE SLAB DOWELED INTO EXISTING ADJACENT SLAB - SEE STRUCTURAL.
 - 42000-3 PROVIDE BULLNOSE CMU UNITS AT CORNER. TYP. IN KITCHEN AREA.
 - 42000-5 6" RECESS IN NEW CMU WALL FOR MONITOR NICHE. VERIFY SIZE WITH MONITOR SIZE.
 - 42000-6 NEW 4" CMU WALL TIED TO EXISTING EXTERIOR WALL.
 - 42000-8 NEW CMU SOAPS AROUND EXISTING COLUMN.
 - 42000-11 ASSUME 25 SF OF JOINTS AT DEMO CHASE TO BE RETOILED. PATCH CMU AS REQUIRED AT DEMO WALL AND SINK.
 - 93000-15 CWT-5 TO BE INSTALLED ON COLD BARS. BOTTOM EDGE OF TILE TO RECEIVE SCHLITZER EDGE.
 - 104413-1 FIRE EXTINGUISHER CABINET, FULLY RECESSED. MOUNTING HEIGHT PER ADA REQUIREMENTS.
 - 104413-2 FIRE EXTINGUISHER CABINET, SURFACE MOUNTED. MOUNTING HEIGHT PER ADA REQUIREMENTS.
 - 104416-1 SURFACE MOUNTED FIRE EXTINGUISHER W/BRACKET. MOUNTING HEIGHT PER ADA REQUIREMENTS.
 - 110000-2 OWNER FURNISHED/CONTRACTOR INSTALLED TV / DISPLAY MONITOR. PROVIDE ROUGH-INS FOR POWER AND DATA. COORDINATE FINAL MOUNTING HEIGHT WITH OWNER.
 - 110000-3 OWNER FURNISHED MOBILE CASEWORK / FURNITURE.
 - 224000-2 WATER COOLER PAIR, ADA COMPLIANT. SEE PLUMBING DRAWINGS AND SPECIFICATIONS.

GENERAL NOTE: KITCHEN SERVICE EQUIPMENT SHOWN HALFTONED ON ARCHITECTURAL SHEETS - SEE KITCHEN SERVICE EQUIPMENT DRAWINGS FOR MORE INFORMATION

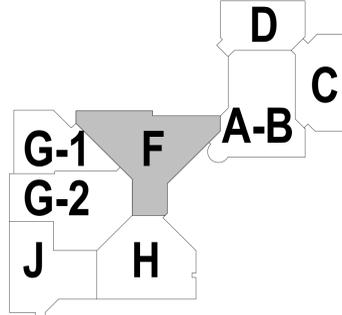
A3 - RESTROOM ACCESSORIES SCHEDULE

#	DESCRIPTION	MODEL	MFR.	COMMENTS
1	1 1/4" DIAM. GRAB BAR, 18" LONG	B-5806 x 18	BOBRICK	
2	1 1/4" DIAM. GRAB BAR, 36" LONG	B-5806 x 36	BOBRICK	
3	1 1/4" DIAM. GRAB BAR, 48" LONG	B-5806 x 48	BOBRICK	
4	TOILET TISSUE HOLDER, DOUBLE ROLL, SURFACE-MOUNTED	RT23	CONTINENTAL	
5	SANITARY NAPKIN DISPOSAL	6140	RUBBERMAID	
6	LIQUID SOAP DISPENSER, MANUAL, WALL MOUNT	9390	IMPACT	BY OWNER
7	PAPER TOWEL DISPENSER, MANUAL, WALL MOUNT	B-263	BOBRICK	
8	18" x 36" ANGLE FRAME MIRROR	B-165 1636	BOBRICK	

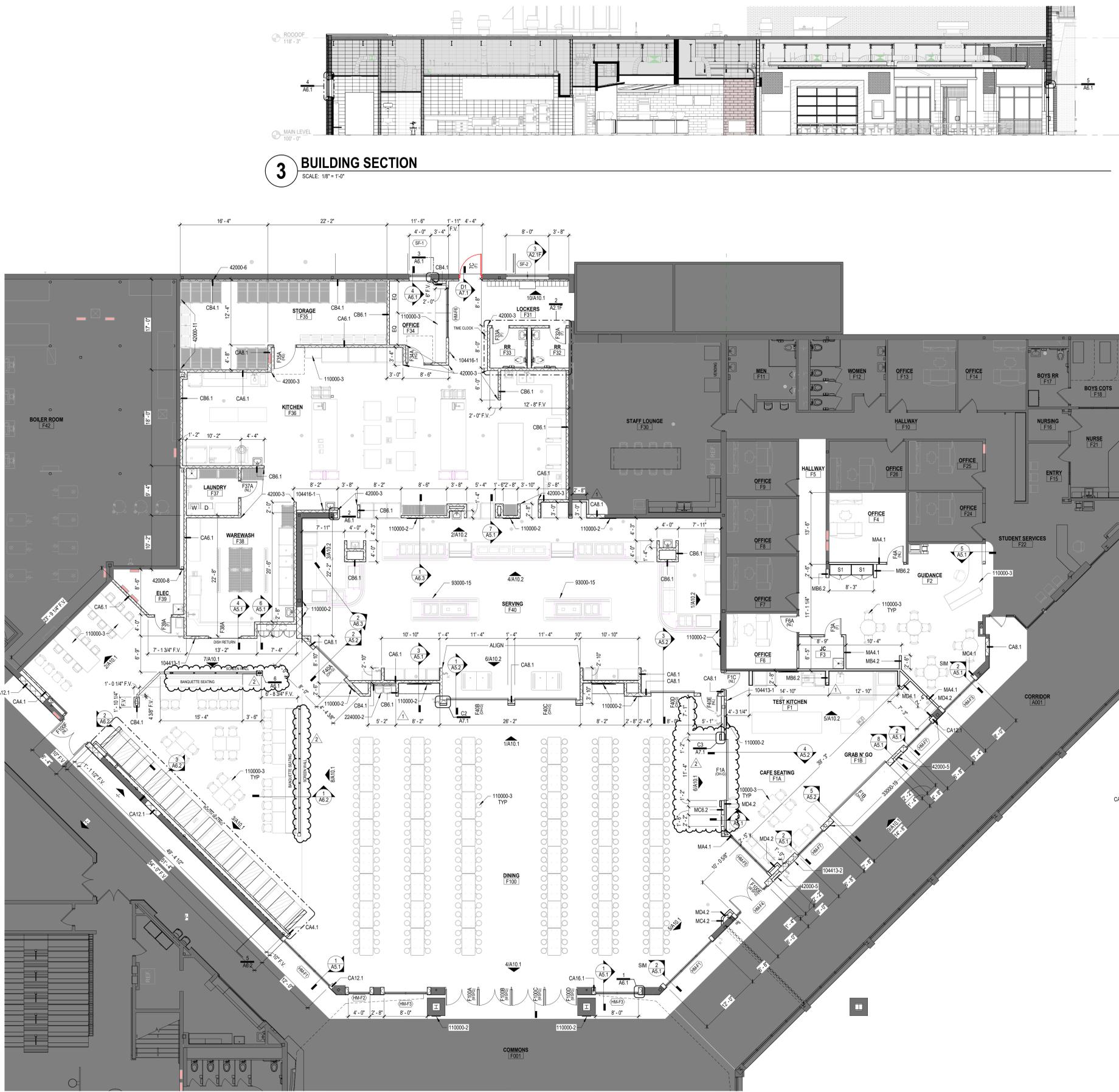
UNLESS OTHERWISE NOTED, ALL ACCESSORIES TO BE PROVIDED AND INSTALLED BY CONTRACTOR



2 MAIN LEVEL - UNIT F - RRs
 SCALE: 1/4" = 1'-0"



KEY PLAN
 SCALE: NONE



1 FLOOR PLAN - MAIN LEVEL - UNIT F
 SCALE: 1/8" = 1'-0"



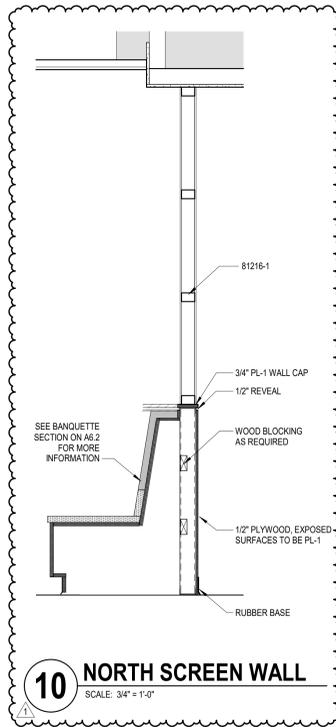
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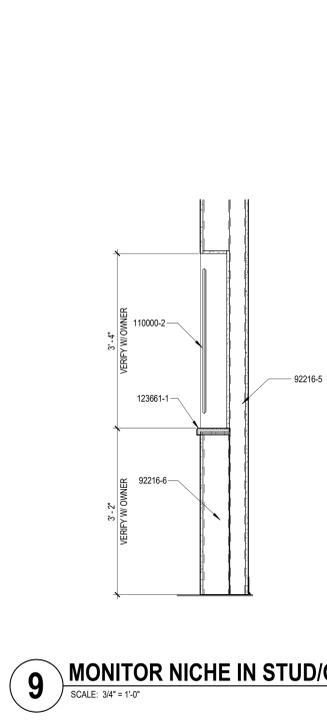
ISSUE DATE: 9/13/2024

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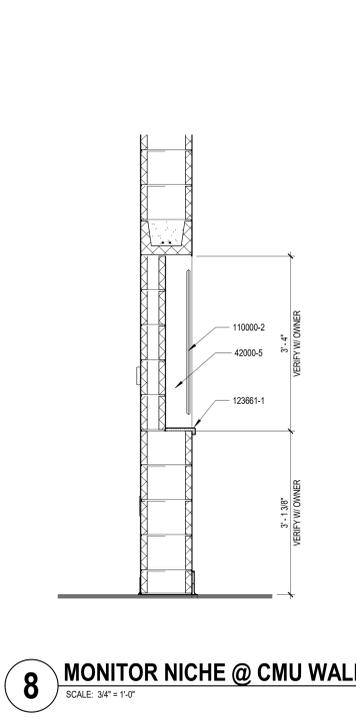
NO.	DATE	DESCRIPTION
1	10/17/2024	ADD-01
2	11/04/2024	ADD-03



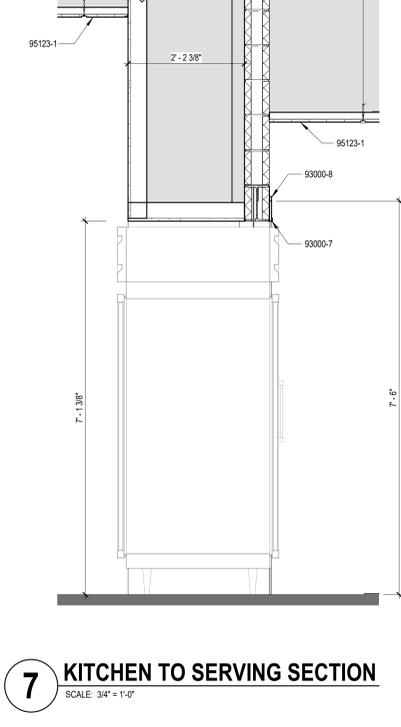
10 NORTH SCREEN WALL
SCALE: 3/4" = 1'-0"



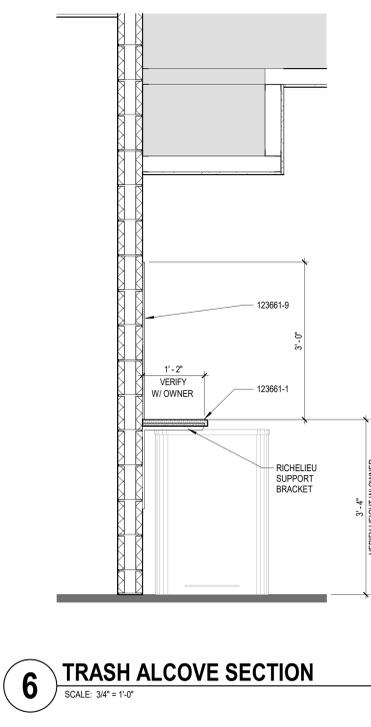
9 MONITOR NICHE IN STUD/GYP WALL
SCALE: 3/4" = 1'-0"



8 MONITOR NICHE @ CMU WALL
SCALE: 3/4" = 1'-0"



7 KITCHEN TO SERVING SECTION
SCALE: 3/4" = 1'-0"

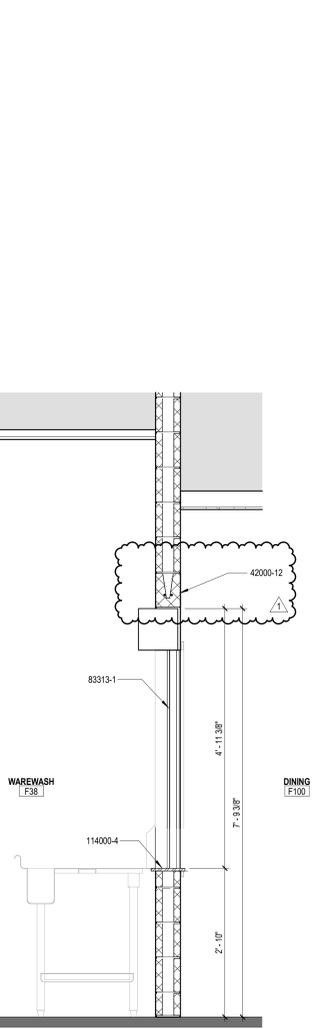


6 TRASH ALCOVE SECTION
SCALE: 3/4" = 1'-0"

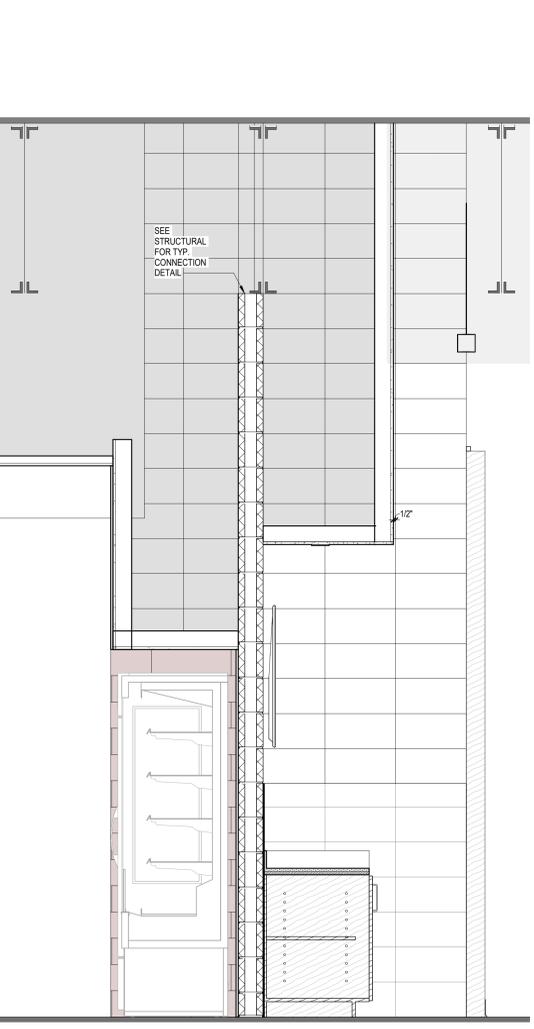
WALL SECTION KEYNOTES	
42000-5	6" RECESS IN NEW CMU WALL FOR MONITOR NICHE. VERIFY SIZE WITH MONITOR SIZE.
42000-12	NEW CMU LINTEL. SEE STRUCTURAL.
42000-20	PROVIDE NEW CMU SOAPS AT NEW STEEL LINTEL.
61000-1	2x WOOD BLOCKING. SECURE TO SUBSTRATE.
64600-9	5/4" THICK OAK CAP W/ EASED EDGES.
81216-1	ALUMINUM FRAME, NO GLAZING, 2" X 3" RECTANGULAR TUBES. INTERSECTIONS TO BE WELDED AND ANCHOR POINTS TO BE CONCEALED. FINISH 2 COAT CUSTOM COLOR.
83313-1	MOTORIZED OVERHEAD COILING COUNTER DOOR. REFER TO SECTION AND SPECIFICATIONS.
90162-1	NEW THIN SET EPOXY TERRAZZO INFILL. FEATHER EDGE FLUSH WITH ADJACENT TERRAZZO. COLOR TO MATCH EXISTING TERRAZZO.
92216-5	3/8" LIGHT GA. METAL STUDS.
92216-6	6" LIGHT GA. METAL STUDS.
92900-3	5/8" AQUA-TOUGH GYPSUM-FIBER ABUSE-RESISTANT PANELS. PAINTED.
93000-7	SCHLUTER QUADREC PIECE TO BE INSTALLED AT EDGE OF EXPOSED TILE.
93000-8	SCHLUTER DESIGN LINE DECORATIVE BORDER PROFILE TO BE INSTALLED AT TOP EDGE OF EXPOSED TILE IN SERVING AREA.
95123-1	24"x24" SUSPENDED ACOUSTICAL TILE (ACT) SYSTEM. SEE REFLECTED CEILING PLAN FOR SIZE & LOCATIONS.
98433-3	2" THICK SOUND-ABSORBING WALL PANEL WITH SQUARE EDGE. BASIS OF DESIGN: KINETICS NOISE CONTROL, INC. "HARBORIDE PANELS", MIN NRC 0.85. VERIFY FINISHES - FABRIC: GUILFORD OF MAINE FR701 2100. COLOR: STEEL GREY 471.
110000-2	OWNER FURNISHED/CONTRACTOR INSTALLED TV / DISPLAY MONITOR. PROVIDE ROUGH-INS FOR POWER AND DATA. COORDINATE FINAL MOUNTING HEIGHT WITH OWNER.
114000-4	NEW STAINLESS STEEL SILL.
123661-1	SOLID SURFACE COUNTERTOP. SEE FINISH PLANS & SCHEDULE FOR LOCATIONS & TYPES. SEE A10. SERIES SHEETS FOR COUNTER HEIGHTS.
123661-9	1/4" THICK SOLID SURFACE INSTALLED ON WALL WITH 100% SILICONE. ALL SEAMS TO BE EPOXYED.



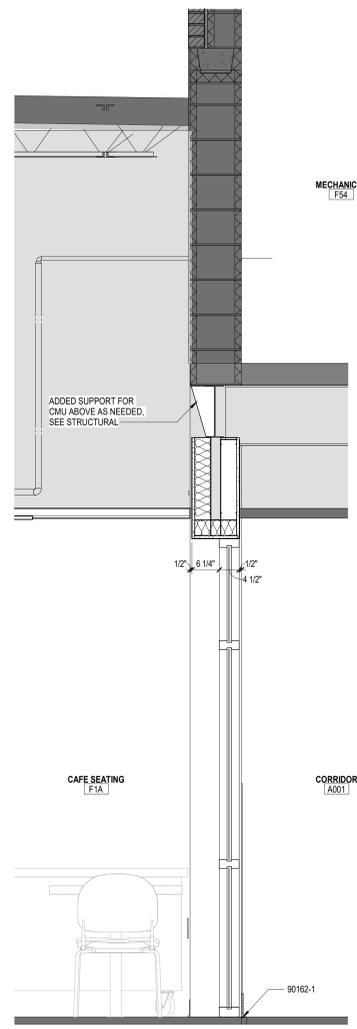
5 HALF WALL SECTION
SCALE: 3/4" = 1'-0"



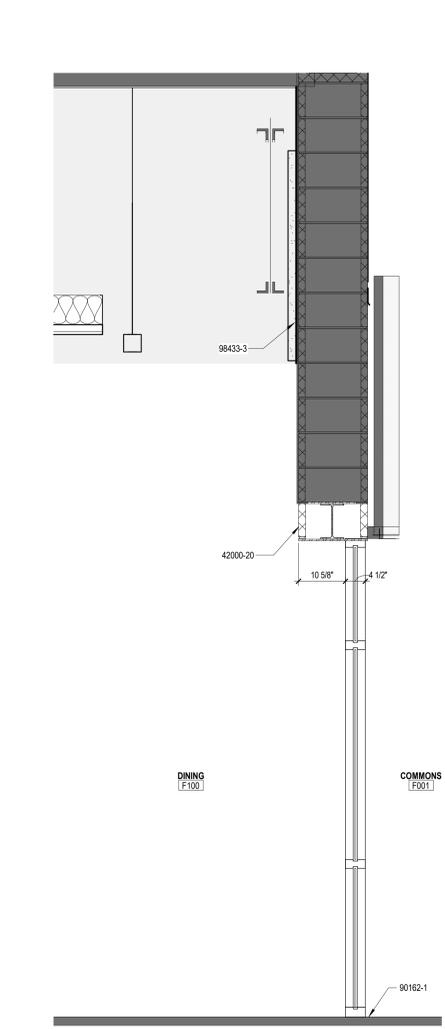
4 DISH RETURN SECTION
SCALE: 3/4" = 1'-0"



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



2 NEW OPENING INFILL TYP. SECTION
SCALE: 3/4" = 1'-0"



1 NEW OPENING @ CMU WALL
SCALE: 3/4" = 1'-0"



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1	11/04/2024	ADD-03



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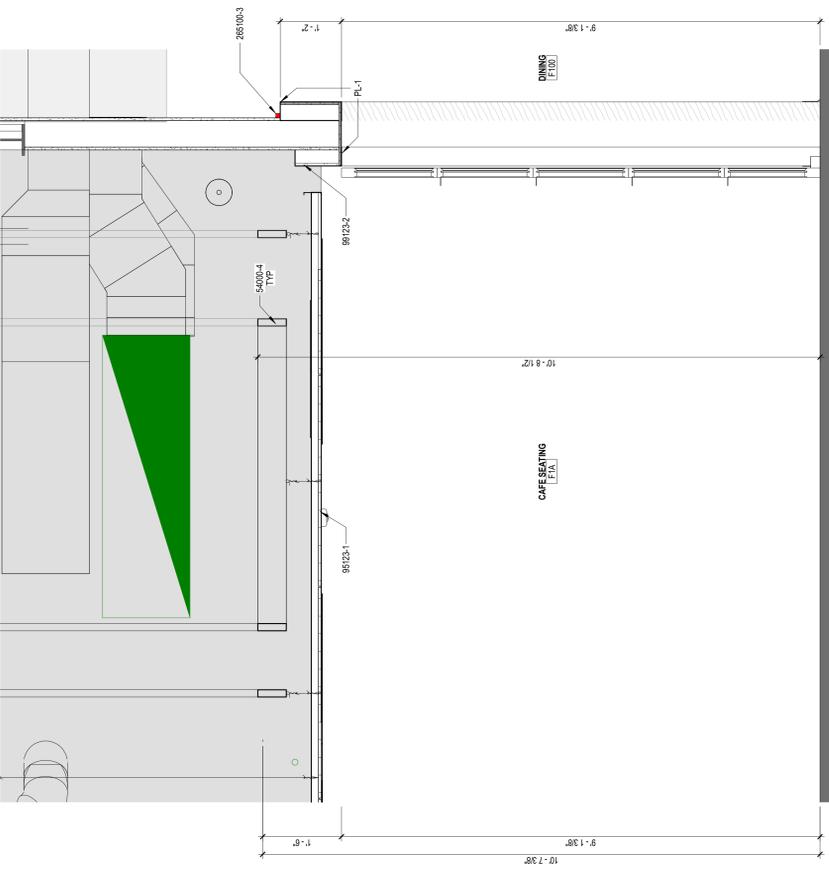
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WALL SECTIONS @
CH DOORS

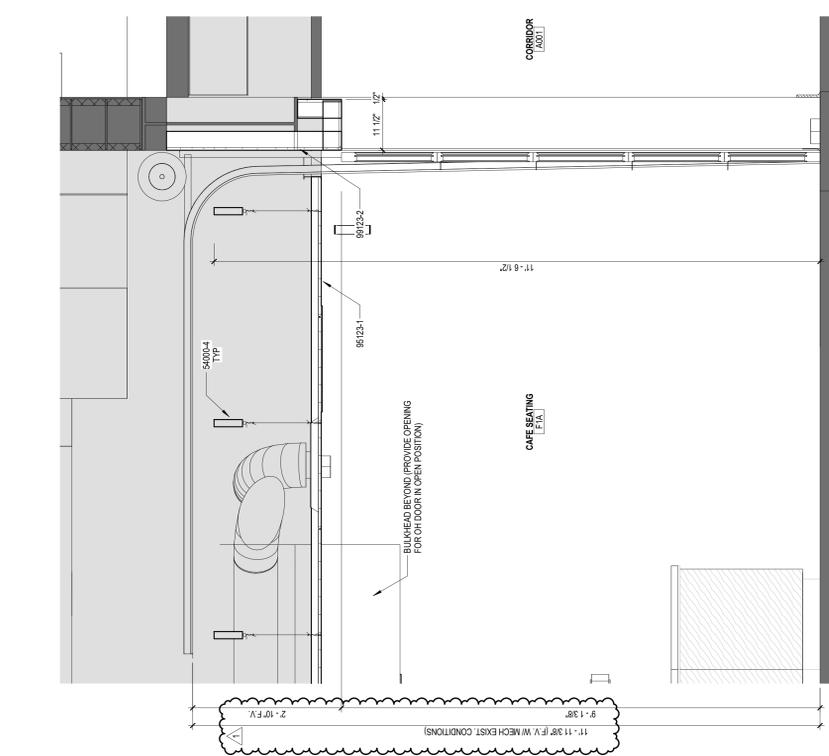
A5.2

WALL SECTION KEYNOTES

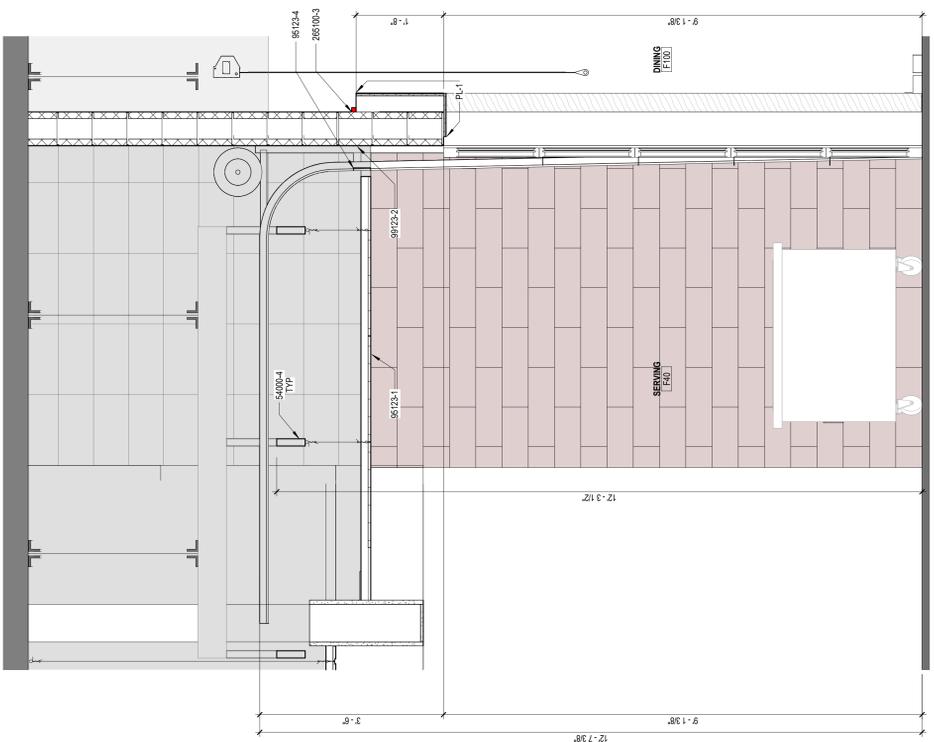
5400-4	SLOTTED METAL CHANNEL, IN-SITU FRAMING SPANNING PERPENDICULAR TO WALL, PROVIDE 1/2" MIN. CLEARANCE TO WALL. PROVIDE SECTION FOR HEIGHT, SUPPORT FIRE PROTECTION, DUCTS, LIGHTS, AND CEILING BELOW CH DOOR TRACKS. VERIFY SIZING AT EACH CH DOOR.
86123-1	24"X24" SUSPENDED ACOUSTICAL TILE FACT SYSTEM, SEE REFLECTED CEILING PLAN FOR SIZE & LOCATIONS
86123-4	4" PREFINISHED COMPASSO EDGE TRIM, OR EQUAL, PROVIDE AROUND
86123-2	PAINT WALL TO FLOOR CEILING, SEE FINISH SCHEDULE
265100-3	LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS



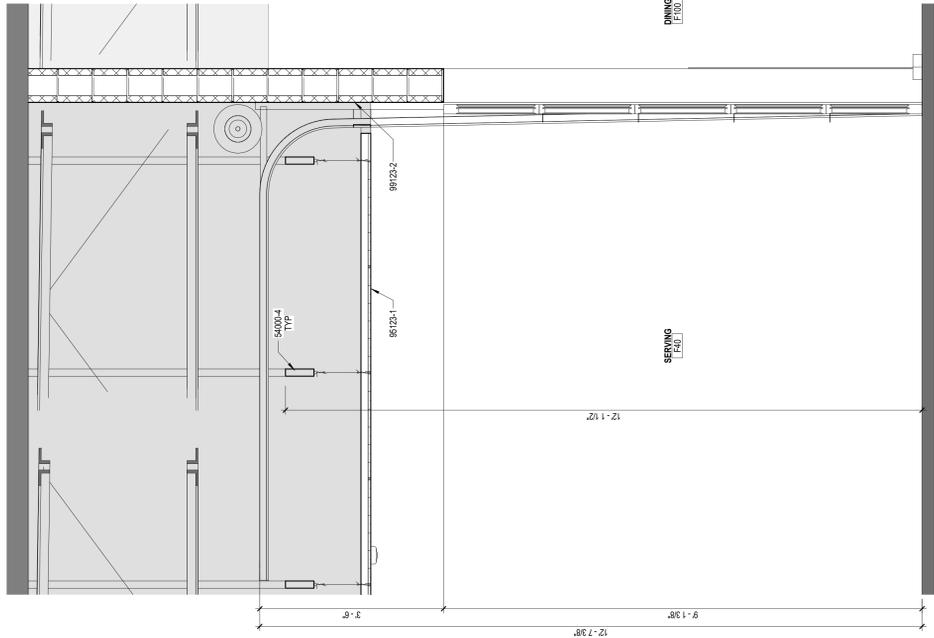
4 SECTION @ DOOR F1A
SCALE: 3/4" = 1'-0"



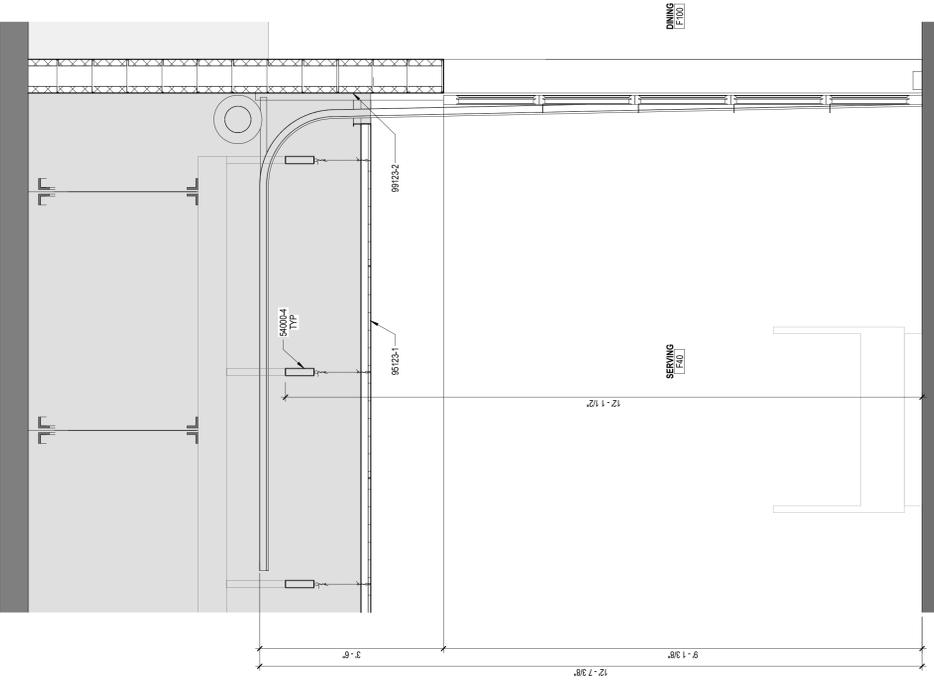
5 SECTION @ DOOR F1B
SCALE: 3/4" = 1'-0"



1 SECTION @ DOORS F40B, F40C
SCALE: 3/4" = 1'-0"



2 SECTION @ DOOR F40A
SCALE: 3/4" = 1'-0"



3 SECTION @ DOOR F40D
SCALE: 3/4" = 1'-0"



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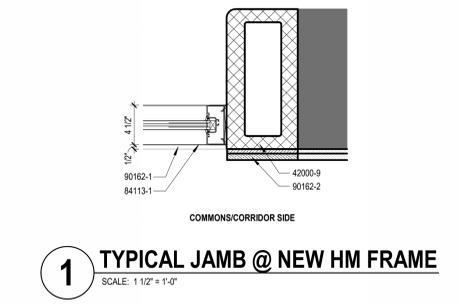
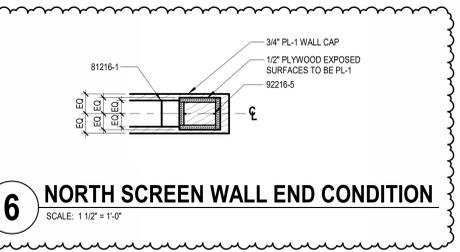
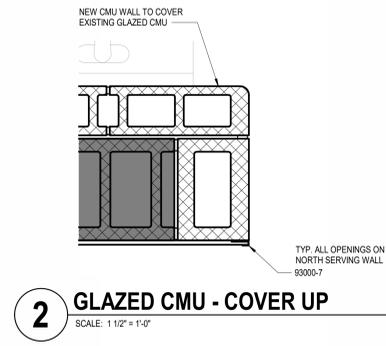
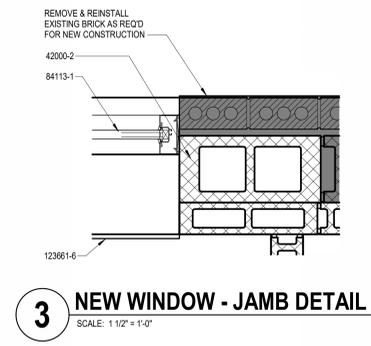
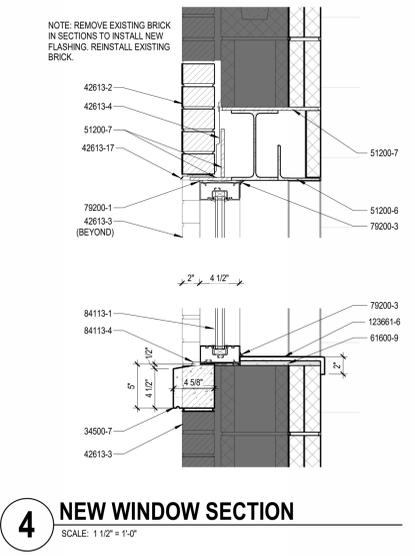
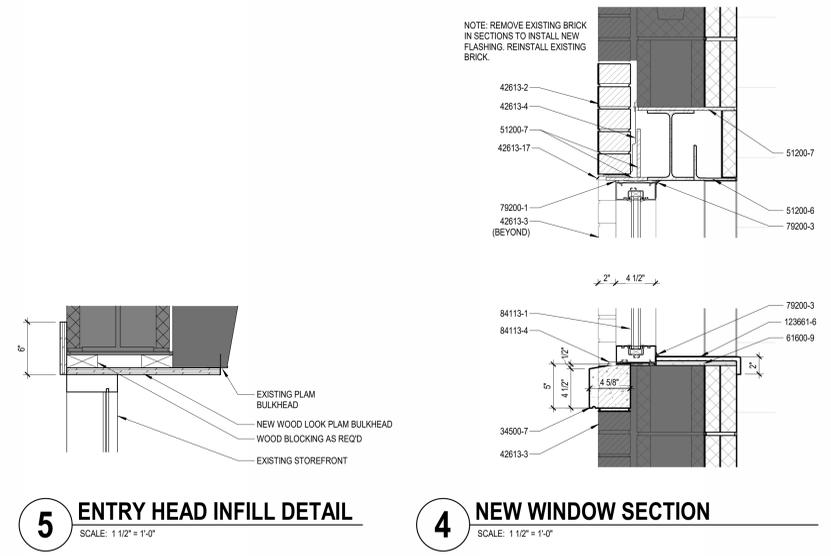
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NO.	DATE	DESCRIPTION
1	11/04/2024	ADD-03

ENLARGED DETAILS

A6.1

DETAIL KEYNOTES	
34500-7	PRECAST WINDOW SILL WITH INTEGRAL DRIP
42000-2	PROVIDE NEW CMU UNITS AT NEW WINDOW JAMBS, TYPICAL
42000-9	NEW CMU AT NEW HM FRAME OPENINGS IN EXISTING WALL. DO NOT REMOVE BOTTOM COURSE. GROUT AND DOWEL NEW CMU INTO EXISTING BOTTOM COURSE. SEE STRUCTURAL. MAINTAIN AND PROTECT EXISTING TERRAZZO BASE.
42613-2	FACE BRICK VENEER, NORMAN, RUNNING BOND. REUSE SALVAGE BRICK / REINSTALL BRICK THAT IS REMOVED FOR FLASHING REPAIR.
42613-3	EXISTING FACE BRICK VENEER TO REMAIN AND BE CLEANED
42613-4	NEW FULLY SUPPORTED THROUGH WALL FLASHING. RUN UP EXISTING CMU 8" MIN. SECURE W/METAL TERM. BAR SECURED TO CMU W/GASKETED FASTENERS @ 16" O.C. PROVIDE CONTINUOUS SEALANT AT TOP OF TERM. BAR
42613-17	PROVIDE NEW S.S. DRIP EDGE
51200-6	STEEL ANGLE. SEE STRUCTURAL
51200-7	STEEL PLATE. SEE STRUCTURAL
61600-9	1/2" PLYWOOD SHEATHING
79200-1	1/2" JOINT AROUND PERIMETER OF EXTERIOR OPENINGS WITH SEALANT AND BACKER ROD. TO BE CONTINUOUS AROUND PERIMETER, EXTERIOR & INTERIOR.
79200-3	ACRYLIC JOINT SEALANT
81216-1	ALUMINUM FRAME, NO GLAZING. 2" X 3" RECTANGULAR TUBES. INTERSECTIONS TO BE WELDED AND ANCHOR POINTS TO BE CONCEALED. FINISH: 2 COAT CUSTOM COLOR
84113-1	4 1/2" THERMALLY BROKEN ALUMINUM WINDOW SYSTEM WITH SUBSILL FLASHING. BASIS OF DESIGN - "KAWNEER TRUFAB 451-T SYSTEM"
84113-4	METAL PAN SILL FLASHING. EXTEND UNDER WINDOW SILL AND TURN UP 1/2" VERTICAL LEG AT BACK AND JAMBS. SEAL BELOW FRONT HEMMED EDGE TO PRECAST SILL.
90162-1	NEW THIN SET EPOXY TERRAZZO INFILL. FEATHER EDGE FLUSH WITH ADJACENT TERRAZZO. COLOR TO MATCH EXISTING TERRAZZO.
90162-2	EXISTING TERRAZZO BASE TO REMAIN
92216-5	3-5/8" LIGHT GA. METAL STUDS
93000-7	SCHLUTER QUADREX PIECE TO BE INSTALLED AT EDGE OF EXPOSED TILE
123661-6	SOLID SURFACE WINDOW SILLS [TYPICAL], SEE A5 & A6. SERIES SHEETS FOR SIZES AND INSTALLATION DETAILS.



11/04/2024 10:45:50 AM



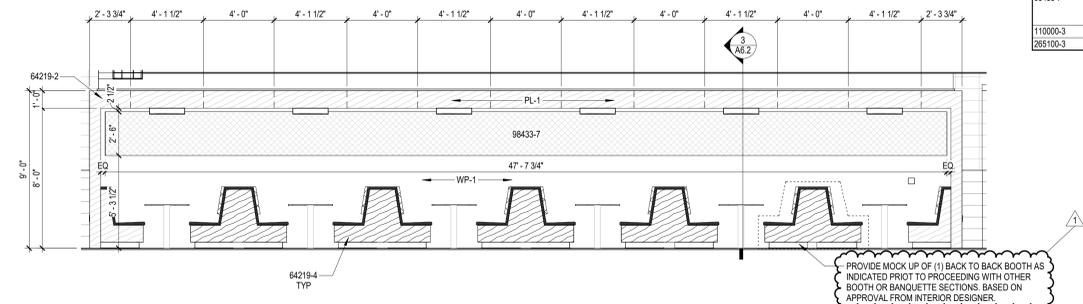
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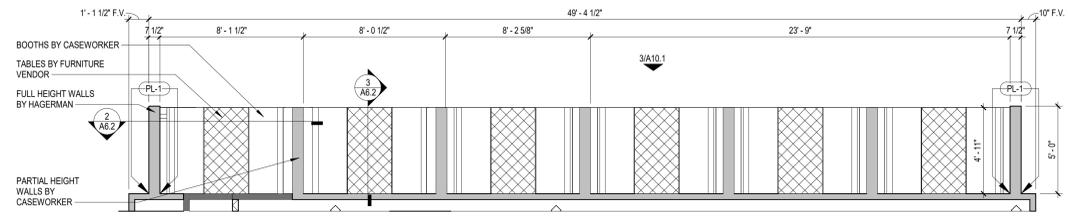
BOOTH DETAILS

A6.2

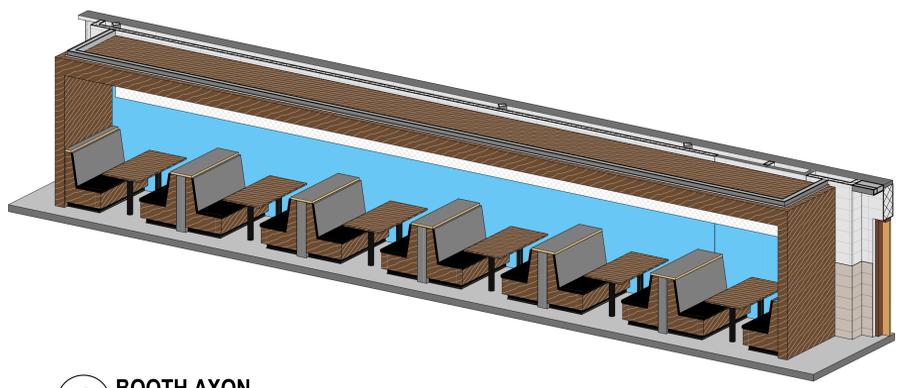
DETAIL KEYNOTES	
64219-2	SHOP FABRICATED FLUSH PLASTIC LAMINATE FACED PANELING. 1/2" PARTICLE BOARD SUBSTRATE WITH PLASTIC LAMINATE FACE. REFER TO FINISH PLANS FOR LAMINATE SELECTION. SECURE LAMINATE PANELS TO SUBSTRATE USING FRY REGLET MILLWORK CLEAT SYSTEM.
64219-4	AT OUTSIDE CORNERS OF LAMINATE PANELS, PROVIDE FRY REGLET MILLWORKS MILLWORK POST OUTSIDE CORNER WITH CLEAR ANODIZED FINISH ALUMINUM FRAME, NO GLAZING. 2" X 3" RECTANGULAR TUBES, INTERSECTIONS TO BE WELDED AND ANCHOR POINTS TO BE CONCEALED. FINISH 2 COAT CUSTOM COLOR.
95123-1	24"X24" SUSPENDED ACOUSTICAL TILE (ACT) SYSTEM. SEE REFLECTED CEILING PLAN FOR SIZE & LOCATIONS.
95426-4	LID OF BOOTHS TO BE SUSPENDED FROM STRUCTURE.
98433-7	AWP-1 ZINKRA ACOUSTICAL WALL PANEL ADHERED TO WALL WITH MANUFACTURER'S APPROVED ADHESIVE. PANELS TO BE TRIMMED TO FIT AS SHOWN IN ELEVATION. EDGES BUTTED TO EACH OTHER.
110000-3	OWNER FURNISHED MOBILE CASEWORK / FURNITURE.
265100-3	LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.



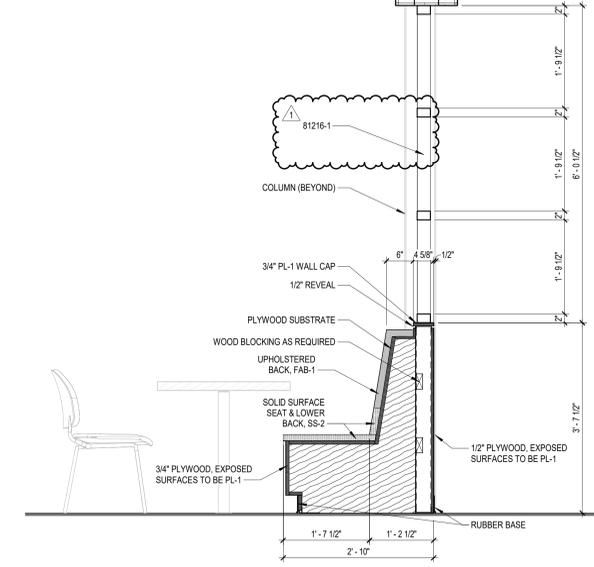
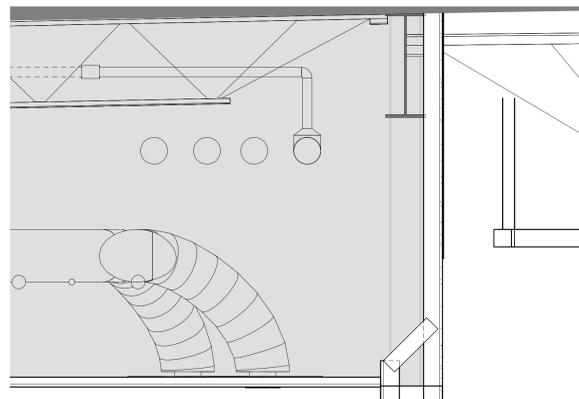
6 F100 DINING - SOUTHWEST - BOOTHS
 SCALE: 1/4" = 1'-0"



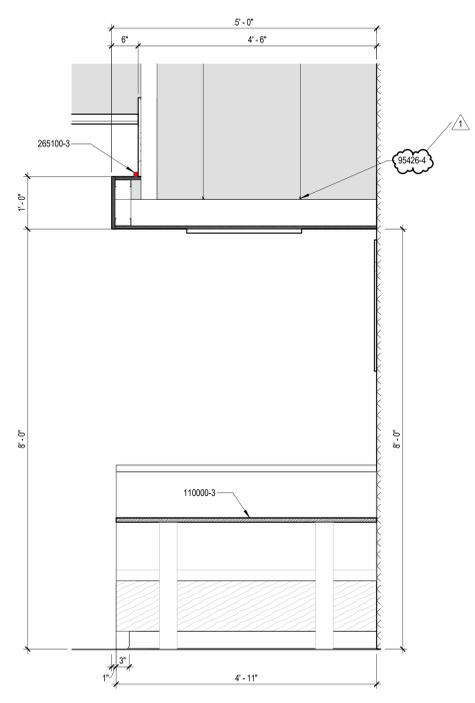
5 BOOTHS - ENLARGED PLAN
 SCALE: 1/4" = 1'-0"



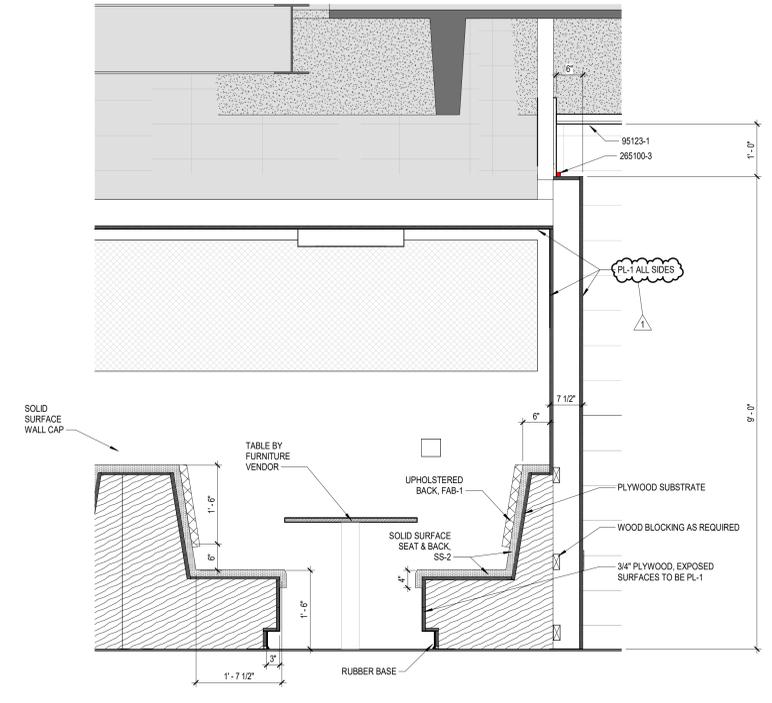
4 BOOTH AXON
 SCALE:



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



3 BOOTH SECTION 2
 SCALE: 3/4" = 1'-0"



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

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BID/PRICING SET

ISSUE DATE: 9/13/2024

REVISIONS

NO.	DATE	DESCRIPTION
1	11/04/2024	ADD-03

FRAME ELEVATIONS, SCHEDULES & DETAILS

A7.1

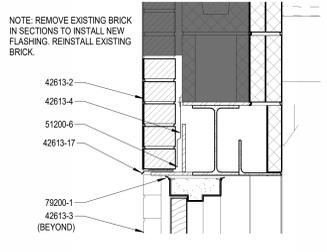
NOTE: SEE A10.1 FOR "SCREEN WALL" ELEVATIONS

WINDOW GLAZING AND FRAME GENERAL NOTES

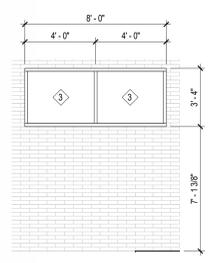
- ALL FRAME ELEVATIONS NOTED AS "CW-X" ARE TO BE CURTAINWALL ASSEMBLY, REFERENCE SPECIFICATIONS (SECTION 84413 & 84423) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
- ALL FRAME ELEVATIONS NOTED AS "SF-X" ARE TO BE STOREFRONT ASSEMBLY, REFERENCE SPECIFICATIONS (SECTION 84113) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
- ALL FRAME ELEVATIONS NOTED AS "HM-X" ARE TO BE HOLLOW METAL FRAMING ASSEMBLY, REFERENCE SPECIFICATIONS (SECTION 81113) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
- ALL FRAME ELEVATIONS NOTED AS "IG-X" ARE TO BE ALL GLASS ENTRY SYSTEM, REFERENCE SPECIFICATIONS (SECTION 84210) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
- ALL HM WINDOW FRAMES SHALL WRAP WALL ASSEMBLY UNLESS NOTED OTHERWISE, OR INDICATED IN THE DETAILS. CONTRACTOR TO VERIFY WALL THICKNESS IN FIELD.
- ALL HM FRAMES ARE TO BE PAINTED. SEE ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- ALL GLAZING TO MEET REQUIREMENTS FOR CHAPTER 24, 2014 INDIANA BUILDING CODE (2012 IBC).
- ALL WINDOW FRAMES ARE TO RECEIVE SEALANT BOTH SIDES, TYP. SUBMIT COLOR SELECTION FOR ARCHITECT APPROVAL OF SEALANT COLORS.
- WINDOW FRAME DIMENSIONS SHOWN ARE NOMINAL. SEE SPECS.
- ALL MULLIONS/CAP EXTENSIONS ARE TO DIMENSIONS AS SPECIFIED UNLESS OTHERWISE INDICATED IN FRAME ELEVATION.

GLAZING SYMBOLS LEGEND

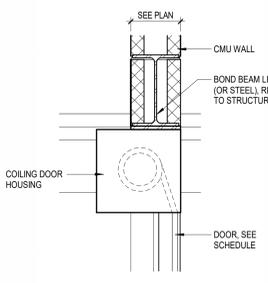
MARK	GLAZING DESCRIPTION
MONOLITHIC GLASS TYPES	
1	1/4" ANNEALED GLASS
2	1/4" TEMPERED GLASS
INSULATING GLASS TYPES	
3	1" INSULATED, HEAT-STRENGTHENED GLASS
4	1" INSULATED, FULLY-TEMPERED GLASS



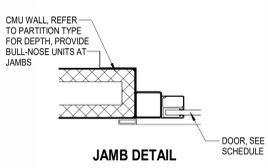
D1 NEW EXT. DOOR HEAD DETAIL
 SCALE: 1/12" = 1'-0"



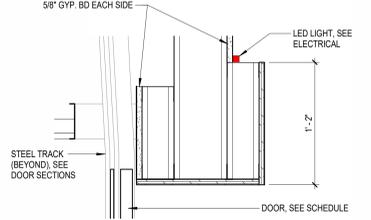
SF-2
 SCALE: 1/4" = 1'-0"



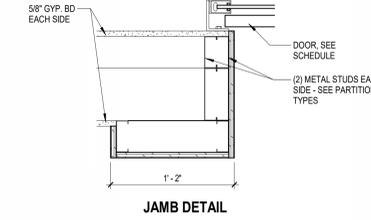
HEAD DETAIL



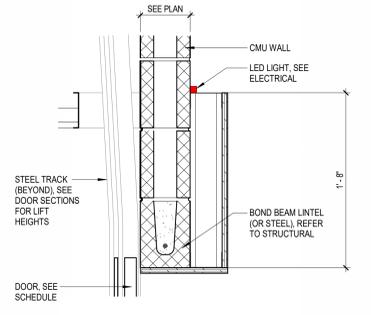
JAMB DETAIL



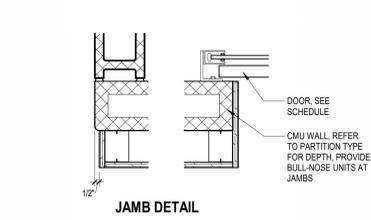
HEAD DETAIL



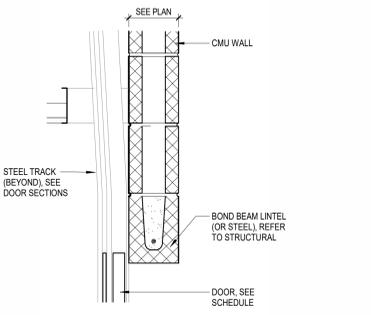
JAMB DETAIL



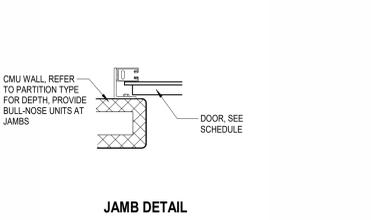
HEAD DETAIL



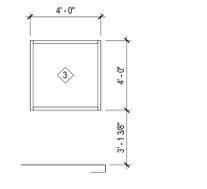
JAMB DETAIL



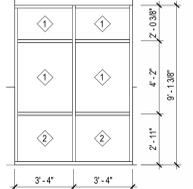
HEAD DETAIL



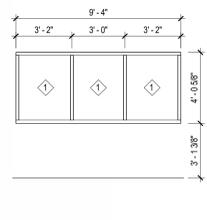
JAMB DETAIL



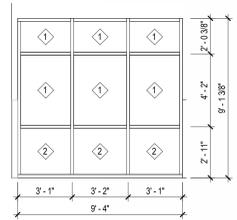
SF-1
 SCALE: 1/4" = 1'-0"



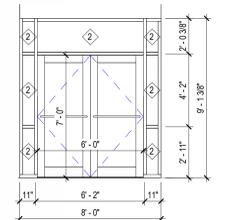
HM-F7
 SCALE: 1/4" = 1'-0"



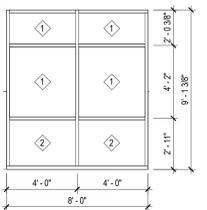
HM-F6
 SCALE: 1/4" = 1'-0"



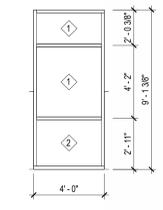
HM-F5
 SCALE: 1/4" = 1'-0"



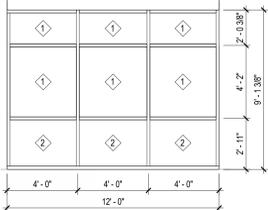
HM-F4
 SCALE: 1/4" = 1'-0"



HM-F3
 SCALE: 1/4" = 1'-0"



HM-F2
 SCALE: 1/4" = 1'-0"



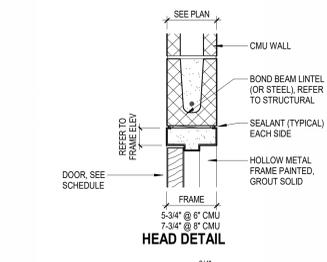
HM-F1
 SCALE: 1/4" = 1'-0"

C4 COILING DOOR - CMU WALL
 SCALE: 1/12" = 1'-0"

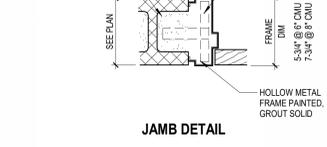
C3 OH DOOR FRAME - METAL STUD
 SCALE: 1/12" = 1'-0"

C2 OH DOOR FRAME - CMU WALL W/ PL
 SCALE: 1/12" = 1'-0"

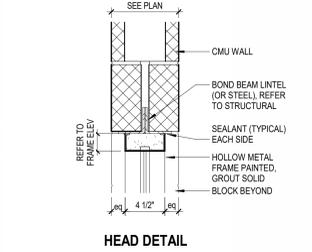
C1 OH DOOR FRAME - CMU WALL
 SCALE: 1/12" = 1'-0"



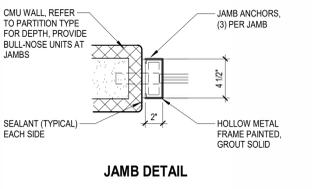
HEAD DETAIL



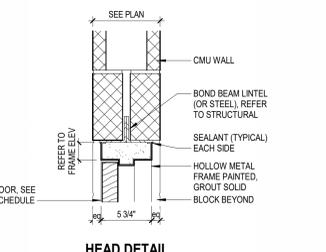
JAMB DETAIL



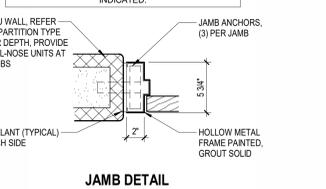
HEAD DETAIL



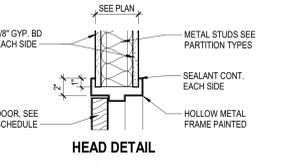
JAMB DETAIL



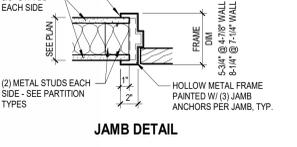
HEAD DETAIL



JAMB DETAIL



HEAD DETAIL



JAMB DETAIL

DOOR SCHEDULE - ENTRIES												
NO.	W	H	T	MAT.	ELEV.	FRAME MAT.	FRAME ELEV.	HEAD/JAMB	FIRE RATING (MIN.)	ELECTRICAL COORDINATION		
									ADA OPERATOR	CARD READER	MAGNETIC HOLD	COMMENTS
MAIN LEVEL												
7C	4'-0"	7'-0"	1-3/4"	HM	F	HM	HM-1	D1A7.1	-			3, 8

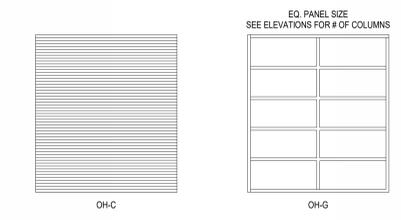
DOOR SCHEDULE - UNIT F												
NO.	W	H	T	MAT.	ELEV.	FRAME MAT.	FRAME ELEV.	HEAD/JAMB	FIRE RATING (MIN.)	ELECTRICAL COORDINATION		
									ADA OPERATOR	CARD READER	MAGNETIC HOLD	COMMENTS
MAIN LEVEL												
F1A	11'-4"	9'-1.38"	2 1/8"	AL	OH-G	STL	-	C3A7.1	-			5
F1B	14'-8"	9'-1.38"	2 1/8"	AL	OH-G	STL	-	C1A7.1	-			5, 7
F1C	3'-0"	7'-0"	1 3/4"	FRP	NL	HM	HM-1	B2A7.1	-			6
F3A	3'-0"	7'-0"	1 3/4"	WD	F	HM	HM-1	B1A7.1	-			
F4A	3'-0"	7'-0"	1 3/4"	WD	NL	HM	HM-1	B1A7.1	-			
F6A	3'-0"	7'-0"	1 3/4"	WD	NL	HM	HM-1	B1A7.1	-			
F2A	3'-0"	7'-0"	1 3/4"	WD	F	HM	HM-1	B2A7.1	-			
F3A	3'-0"	7'-0"	1 3/4"	WD	F	HM	HM-1	B2A7.1	-			
F3AA	3'-0"	7'-0"	1 3/4"	WD	HG	HM	HM-2	B2A7.1	-			6
F3BA	4'-0"	7'-0"	1 3/4"	FRP	HG	HM	HM-1	B2A7.1	-			6
F3TA	3'-0"	7'-0"	1 3/4"	FRP	NL	HM	HM-1	B2A7.1	-			2
F3BA	6'-0"	4'-2 1/2"		AL	OH-C	STL	-	C4A7.1	-			
F3BA	3'-0"	7'-0"	1 3/4"	WD	F	HM	HM-1	B2A7.1	-			5
F4BA	8'-0"	9'-1.38"	2 1/8"	AL	OH-G	STL	-	C1A7.1	-			5
F4GB	11'-4"	9'-1.38"	2 1/8"	AL	OH-G	STL	-	C2A7.1	-			5
F40C	11'-4"	9'-1.38"	2 1/8"	AL	OH-G	STL	-	C2A7.1	-			5
F40D	8'-0"	9'-1.38"	2 1/8"	AL	OH-G	STL	-	C1A7.1	-			5
F40E	3'-0"	7'-0"	1 3/4"	FRP	NL	HM	HM-1	B2A7.1	-			6
F100A	(2) 2'-11 1/2"	7'-0"	1 3/4"	WD	WSFG	EXIST	HM	EXIST	-			1
F100B	(2) 3'-0"	7'-0"	1 3/4"	WD	WSFG	EXIST	HM	EXIST	-			1
F100C	(2) 3'-0"	7'-0"	1 3/4"	WD	WSFG	EXIST	HM	EXIST	-			1
F100D	(2) 2'-11 1/2"	7'-0"	1 3/4"	WD	WSFG	EXIST	HM	EXIST	-			1
F100E	(2) 3'-0"	7'-0"	1 3/4"	WD	WSFG	EXIST	HM-F4	B3A7.1	-			6
F100F	(2) 3'-0"	7'-0"	1 3/4"	FRP	NL	HM	HM-1	B4A7.1	-			6

B4 HM FRAME W/ REVEAL - CMU WALL
 SCALE: 1/12" = 1'-0"

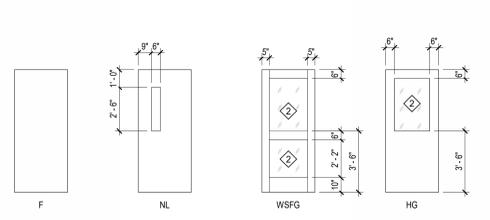
B3 HM FRAME W/ THROAT - CMU WALL
 SCALE: 1/12" = 1'-0"

B2 HM FRAME - CMU WALL
 SCALE: 1/12" = 1'-0"

B1 HM FRAME - METAL STUD
 SCALE: 1/12" = 1'-0"



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



DOOR FRAME ELEVATIONS
 SCALE: 1/4" = 1'-0"

- DOOR SCHEDULE COMMENTS**
- UTILIZ HARDWARE FROM PREVIOUS BUILDING RENOVATION PROJECT.
 - COILING COUNTER GRILLE AT DISH RETURN WINDOW, REFER TO SPECIFICATIONS 08 33 13
 - INSULATED HOLLOW METAL DOOR, PAINTED.
 - EMERGENCY EGRESS GRILLE EQUAL TO CORNELL CROSSING GARD MODEL ERG-IBC
 - OVERHEAD SECTIONAL GLASS DOOR, REFER TO SPECIFICATION 08 36 13 FOR MORE INFORMATION.
 - IMPACT RESISTANT DOOR, REFER TO SPECIFICATION SECTION 08 14 23.
 - THIS SECTIONAL DOOR SHALL BE TIED INTO FIRE ALARM FORCING DOOR TO AUTOMATICALLY RAISE DURING ALARM.
 - PROVIDE WIDE ANGLE PEEP HOLE



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ISSUE DATE: 9/13/2024

REVISIONS

NO.	DATE	DESCRIPTION
1	10/17/2024	ADD-01
2	11/04/2024	ADD-03

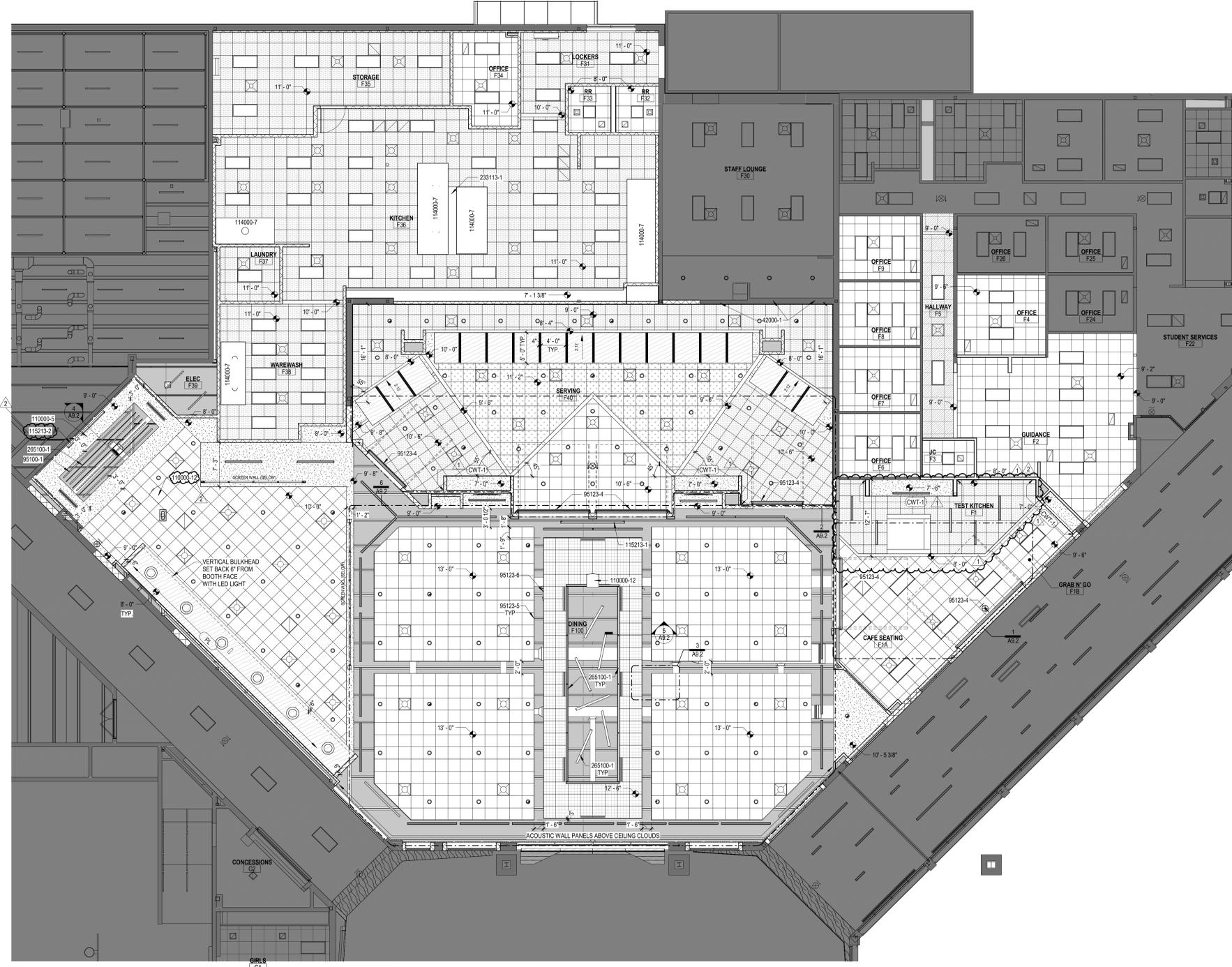
REFLECTED CEILING PLAN - MAIN LEVEL - UNIT F

A9.1F

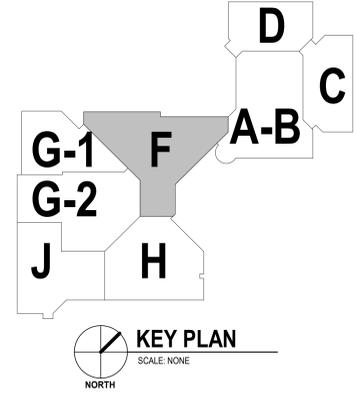
GENERAL RCP NOTES	
1.	SEE GENERAL INFORMATION SHEET G0.2 FOR TYPICAL SYMBOLS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL COORDINATION INFORMATION.
2.	ALL SUSPENDED ACOUSTICAL CEILING TILE TO BE 11" 0 A.F.F., UNLESS NOTED OTHERWISE.
3.	ALL ELEVATION MARKS MEASURED FROM DESIGNATED FINISH FLOOR TO CEILING SURFACE.
4.	FACE OF ALL BULKHEADS TO BE PAINTED PNT-8, UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN.
5.	BOTTOM OF ALL GYP. BOARD CEILING TO BE PAINTED PNT-8 WITH FLAT FINISH, UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN.

REFLECTED CEILING PLAN KEYNOTES	
42000-1	INFILL WALL WITH CMU TO MATCH EXISTING. PATCH WITH WHOLE CMU.
95100-1	ACOUSTICAL CEILING BAFFLES SUSPENDED BETWEEN LINEAR LIGHTS
95123-4	4" PREFINISHED COMPASSO EDGE TRIM, OR EQUAL. PROVIDE AROUND CEILING OPENING FOR OH SECTIONAL DOOR.
95123-5	9" PREFINISHED COMPASSO EDGE TRIM, OR EQUAL. PROVIDE AROUND ENTIRE PERIMETER OF CEILING CLOUD.
95123-6	6" PREFINISHED COMPASSO EDGE TRIM, OR EQUAL. PROVIDE AROUND ENTIRE PERIMETER OF CEILING CLOUD.
110000-5	24X24 CEILING MOUNTED PROJECTOR PLATE. COORDINATE FINAL LOCATION WITH OWNER. SEE ELECTRICAL SHEETS FOR POWER/DATA INFORMATION.
110000-12	STRUCTURE SUSPENDED OVERHEAD PROJECTOR. PROVIDE EXTRA LONG POST MOUNT PROJECTOR STEM MOUNTED TO UNISTRUT SECURED TO BOTTOM CHORD OF JOIST. COORDINATE FINAL LOCATION WITH OWNER. SEE ELECTRICAL SHEETS FOR POWER/DATA INFORMATION.
114000-7	NEW KITCHEN HOOD, SEE MECHANICAL.
115213-1	STRUCTURE MOUNTED MOTORIZED PROJECTION SCREEN, 116" WIDE, SEE SPECIFICATIONS.
115213-2	CEILING MOUNTED MOTORIZED PROJECTION SCREEN 82" WIDE, SEE SPECIFICATIONS.
233113-1	METAL TRIM TO MATCH VENT HOOD.
285100-1	LIGHT FIXTURE, SEE ELECTRICAL.

RCP SYMBOLS LEGEND	
	2'x2' SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM USG (OR ARMSTRONG) EQUAL 3298, STYLE: HALO/NOVUS, ITEM NO.: 97312, SIZE: 2' X 2' X 3/4", PROFILE: SQUARE SQ, COLOR: WHITE, GRID: A-DXDXL.
	2'x2' SUSPENDED ACOUSTICAL CLEANABLE CEILING TILE AND GRID SYSTEM USG, STYLE: SHEETROCK BRAND LAY-IN CEILING PANEL, CLIMAPLUS VINYL, ITEM NO.: 3280, SIZE: 2' X 2' X 1/2", PROFILE: SQUARE SQ, COLOR: WHITE, GRID: A-DXDXL.
	2'x2' SUSPENDED METALWORKS CLEANABLE CEILING TILE AND GRID SYSTEM ARMSTRONG, STYLE: METALWORKS REGULAR, ITEM NO.: 648M1, SIZE: 2' X 2' X 5/16", PROFILE: SQUARE REGULAR 916, COLOR: CUSTOM COLOR BLACK, GRID TO MATCH.
	2'x2' EXISTING SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM TO REMAIN
	EXISTING GYP. BD. CEILING TO REMAIN, PAINTED PNT-8 UNLESS NOTED OTHERWISE.
	GYP. BD. CEILING, PAINTED PNT-8 UNLESS NOTED OTHERWISE.
	ACOUSTICAL CEILING PANEL 4'-0" X 8'-0" BLACK ACOUSTICAL CEILING PANEL EQUAL TO OWENS CORNING 2" SELECTSOUND BLACK ACOUSTICAL BOARD, ATTACHED DIRECTLY TO DECK IN PATTERN AS SHOWN ON A4.2.
	WIREWORKS CEILING USG, STYLE: WIREWORKS OPEN CELL FORMS, PATTERN: WEAVE, SIZE: 2' X 2' X 3/16", COLOR: SILVER SATIN 002.
	EXPOSED STRUCTURE ABOVE, PAINTED PNT-3.
	CEILING NOT IN SCOPE
	WOOD LOOK PANELS OR WOOD TRIM. SEE FINISH LEGEND & SPECIFICATIONS.
	SLOPE ARROW - INDICATES SLOPE OF CEILING



1 REFLECTED CEILING PLAN - MAIN LEVEL - UNIT F
 SCALE: 1/8" = 1'-0"
 NORTH



KEY PLAN
 SCALE: NONE
 NORTH

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NO.	DATE	DESCRIPTION
1	11/04/2024	ADD/3

GENERAL RCP NOTES

- SEE GENERAL INFORMATION SHEET G02 FOR TYPICAL SYMBOLS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL COORDINATION INFORMATION.
- ALL SUSPENDED ACOUSTICAL CEILING TILE TO BE 11" O A.F.F. UNLESS NOTED OTHERWISE.
- IDENTIFICATION MARKS MEASURED FROM DESIGNATED FINISH FLOOR TO CEILING SURFACE.
- FACE OF ALL BULKHEADS TO BE PAINTED PNT-3, UNLESS NOTED OTHERWISE ON SURFACE.
- BOTTOM OF ALL GYP BOARD CEILING TO BE PAINTED PNT-3 WITH FLAT FINISH, UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN.

REFLECTED CEILING PLAN KEYNOTES

5400-4 SLOTTED METAL CHANNEL UNISTRUT FRAMING SPANNING PERPENDICULAR TO DOOR TRACKS HUNG FROM ROOF STRUCTURE SPACED 4" O.C. SEE SECTION 9512-2.1 FOR DETAILS. SEE SECTION 9512-2.1 FOR DETAILS. CURRENTLY SHOWN AS PAINT FOR ALL LOCATIONS.

95100-1 ACOUSTICAL CEILING BATTLES SUSPENDED BETWEEN LINEAR LIGHTS PER SECTION 9512-2.1. SEE REFLECTED CEILING PLAN FOR SIZE & LOCATIONS.

95123-2 4" X 8" BLACK ACOUSTICAL CEILING PANEL EQUAL TO OWENS CORNING Z' REFLECTED CEILING PLAN FOR SIZE & LOCATIONS. REUSE EXISTING OPEN PERIMETER OF CEILING CLOUD.

95123-3 SUSPENDED USG WIREWORKS OPEN CELL TILE CLOUD SYSTEM. SEE REFLECTED CEILING PLAN FOR SIZE & LOCATIONS. REUSE EXISTING OPEN PERIMETER OF CEILING CLOUD.

95123-5 9" PREFINISHED COMPASSO EDGE TRIM, OR EQUAL. PROVIDE AROUND ENTIRE PERIMETER OF CEILING CLOUD.

95123-6 6" PREFINISHED COMPASSO EDGE TRIM, OR EQUAL. PROVIDE AROUND ENTIRE PERIMETER OF CEILING CLOUD.

98433-1 2" THICK SOUND/ABSORBING WALL PANEL WITH SQUARE EDGE. BASES OF DESIGN KINETICS NOISE CONTROL, INC.'S "HARBORIDE PANELS," MANUFACTURED BY FINISHES - FABRIC. GAUFGORD OF WAINES PT 017.00. COLOR: P50AL 481.

115213-2 CEILING MOUNTED MOTORIZED PROJECTION SCREEN 82" WIDE. SEE SPECIFICATIONS.

265100-1 LIGHT FIXTURE. SEE ELECTRICAL.

RCP SYMBOLS LEGEND

2x2 SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM USG (OR ARMS TRONIC EQUA 329). STYLE: HALCON ECO ITEM NO. 115213-2. COLOR: WHITE. GRID: 4" X 4" DOWN.

2x2 SUSPENDED ACOUSTICAL O/E FEMBLE CEILING TILE AND GRID SYSTEM USG. STYLE: WIREWORKS OPEN CELL. TILE SIZE: 4" X 8". COLOR: BLACK. GRID: 4" X 4" DOWN.

2x2 SUSPENDED METALWORKS CLEANABLE CEILING TILE AND GRID SYSTEM ARMS TRONIC EQUA 329. STYLE: HALCON ECO ITEM NO. 115213-2. COLOR: BLACK. GRID: 4" X 4" DOWN.

2x2 EXISTING SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM TO REMAIN.

EXISTING GYP. BD. CEILING TO REMAIN. PAINTED PNT-3 UNLESS NOTED OTHERWISE.

GYP. BD. CEILING PAINTED PNT-3 UNLESS NOTED OTHERWISE.

ACOUSTICAL CEILING PANEL 4" X 8" BLACK. ATTACHED DIRECTLY TO DECK IN CORNER. SELECTING BLACK ACOUSTICAL BOARD. ATTACHED DIRECTLY TO DECK IN PATTERN AS SHOWN ON A2.

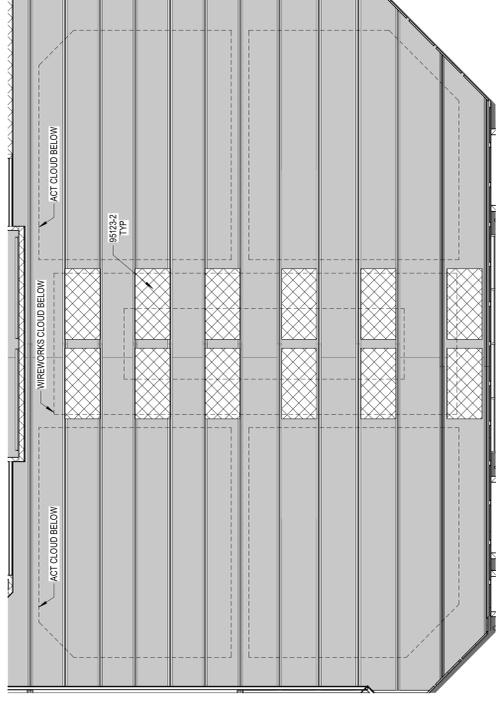
WIREWORKS CEILING USG. STYLE: WIREWORKS OPEN CELL FORM. PATTERN: 9" X 18". COLOR: SILVER SATIN 902.

EXPOSED STRUCTURE ABOVE. PAINTED PNT-3.

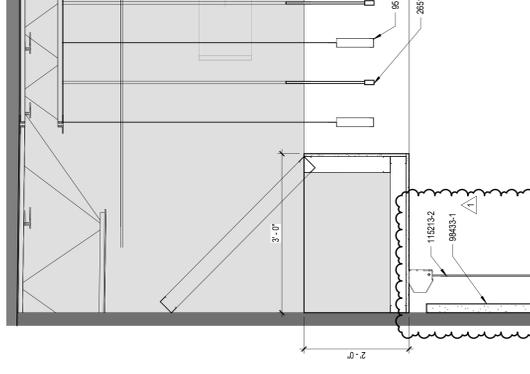
CEILING NOT IN SCOPE.

WOOD-LOOK PANELS OR WOOD TRIM. SEE FINISH LEGEND & SPECIFICATIONS.

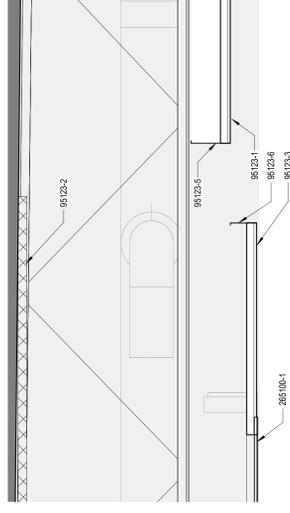
SLOPE ARROW - INDICATES SLOPE OF CEILING
 SLOPE: X" X Y" X" X Y"



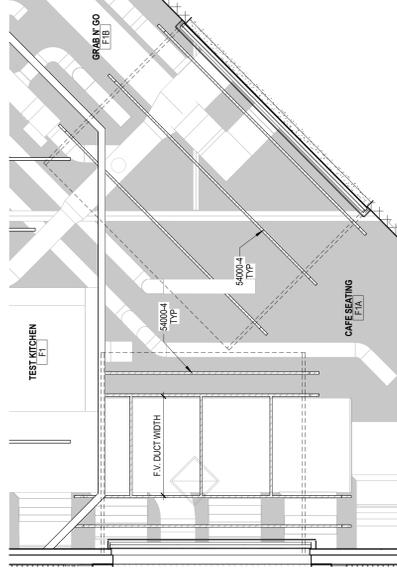
6 REFLECTED CEILING PLAN - DINING AREA (ABOVE CEILING)
 SCALE: 1/8" = 1'-0"



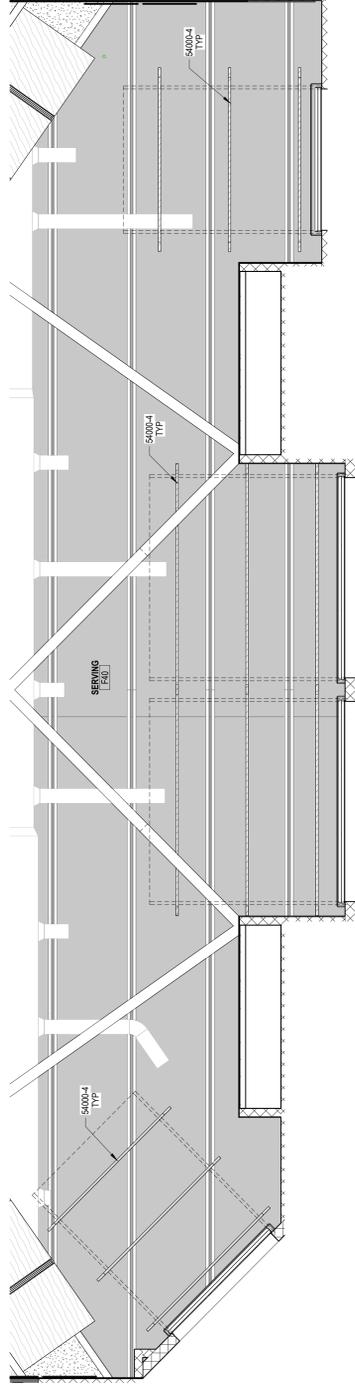
4 DINING - BULKHEAD & BAFFLE SECTION
 SCALE: 3/8" = 1'-0"



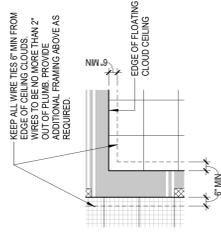
5 DINING - TYP. CLOUD SECTION
 SCALE: 3/8" = 1'-0"



1 MAIN LEVEL - CAFE AREA - UNISTRUT PLAN
 SCALE: 1/8" = 1'-0"



2 MAIN LEVEL - SERVING AREA - UNISTRUT PLAN
 SCALE: 1/8" = 1'-0"



3 RCP - TYP. CLOUD DETAIL
 SCALE: 1/4" = 1'-0"



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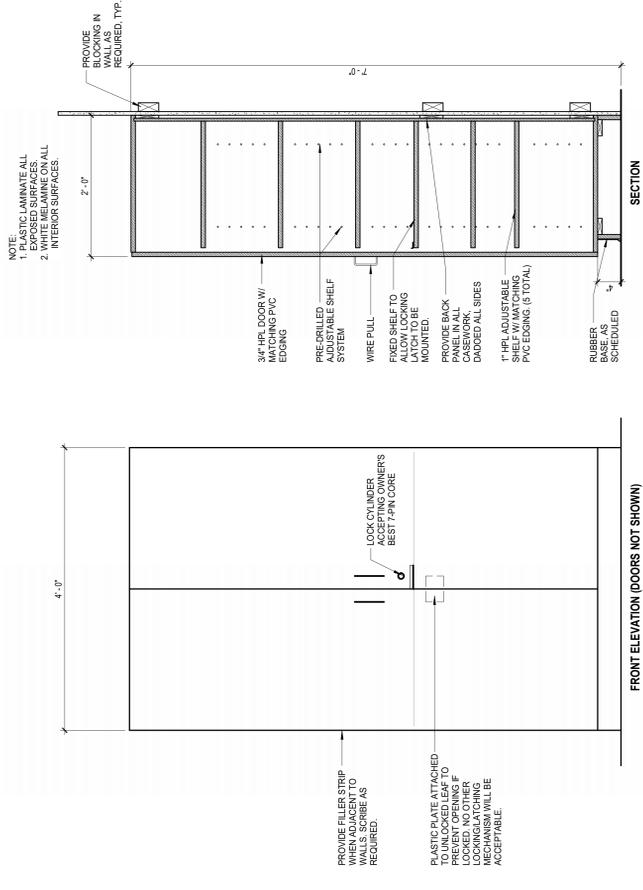
BIDPRICING SET

ISSUE DATE: 9/13/2024

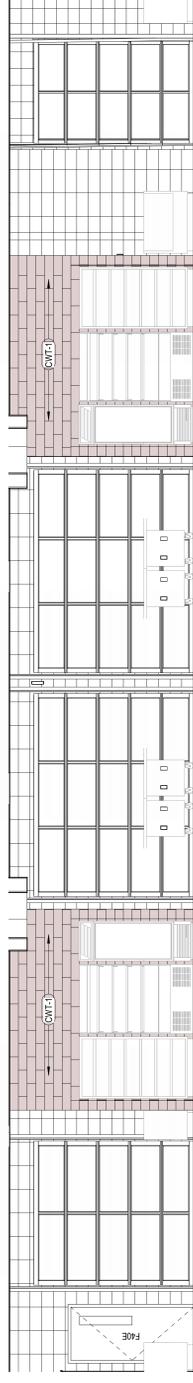
NO.	DATE	DESCRIPTION
1	10/17/2024	ADD-D1
2	11/04/2024	ADD-S3

INTERIOR ELEVATION KEYNOTES

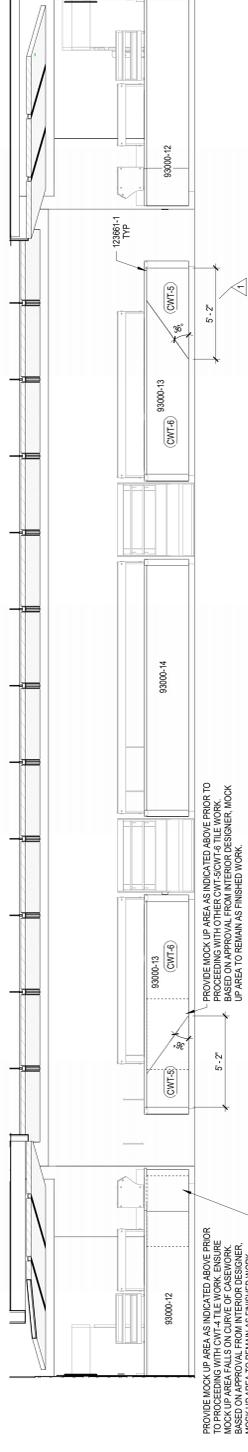
80000-8	SCHLUTER DESIGN LINE DECORATIVE BORDER PROFILE TO BE INSTALLED AT
80000-12	CVT-2 TO BE INSTALLED ON FRONT OF SERVING BOTTOM EDGE OF TILE TO RECEIVE SCHLUTER EDGE.
80000-13	CVT-5 & CVT-6 TO BE INSTALLED ON FRONT OF SERVING BOTTOM EDGE OF TILE TO RECEIVE SCHLUTER EDGE.
80000-14	CVT-8 TO BE INSTALLED ON FRONT OF SERVING BOTTOM EDGE OF TILE TO RECEIVE SCHLUTER EDGE.
110000-2	OWNER FINISHES ON POWER AND DATA COORDINATE FROM PLUMBING CONTRACTOR. RECEPTACLE INSTALLED TO DISPLAY FROM TOP OF POWER AND DATA COORDINATE FROM PLUMBING CONTRACTOR. HEIGHT WITH OWNER.
123861-1	SOLID SURFACE COUNTERTOP. SEE FINISH PLANS & SCHEDULE FOR LOCATIONS & TYPES. SEE A10. SERIES SHEETS FOR COUNTER HEIGHTS.



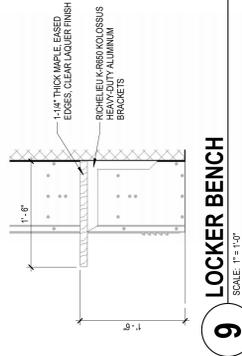
10 TYPICAL STORAGE CABINET (S1)
SCALE: 1" = 1'-0"



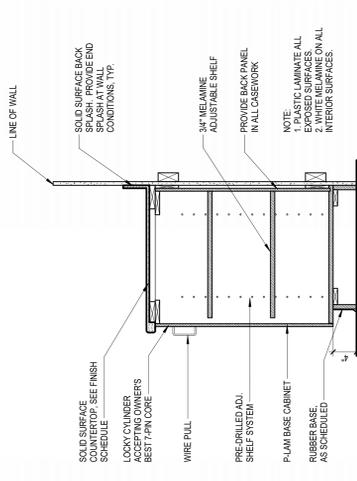
6 CHECKOUT ELEVATION
SCALE: 1/4" = 1'-0"



4 SERVING COUNTER NORTH ELEVATION
SCALE: 1/4" = 1'-0"



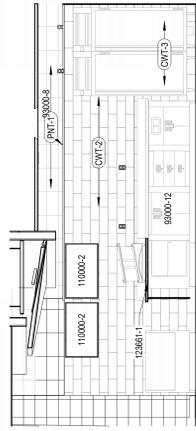
9 LOCKER BENCH
SCALE: 1" = 1'-0"



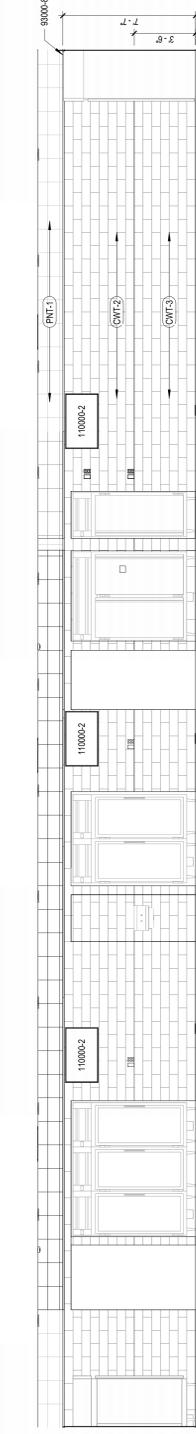
8 CASEWORK - TYP. BASE - SS
SCALE: 1" = 1'-0"



5 F1 NORTH
SCALE: 1/4" = 1'-0"



3 BOH SERVING WEST
SCALE: 1/4" = 1'-0"



1 BOH SERVING EAST
SCALE: 1/4" = 1'-0"

2 BOH SERVING NORTH ELEVATION
SCALE: 1/4" = 1'-0"



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ISSUE DATE: 9/13/2024

REVISIONS		
NO.	DATE	DESCRIPTION
1	10/17/2024	ADD-01
2	10/24/2024	ADD-02
3	11/04/2024	ADD-03

FLOOR FINISH PLAN - MAIN LEVEL - UNIT F

A11.1F

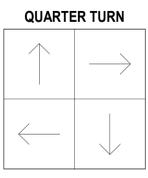
GENERAL ROOM FINISH NOTES	
1.	SEE "GENERAL" SHEETS IN THE FRONT OF THE WORKING DRAWING SET FOR DEFINITION OF ABBREVIATIONS.
2.	THE SCHEDULED MATERIALS AND FINISHES SHALL NOT BE ORDERED OR INSTALLED BEFORE THE CONTRACTOR'S ACTUAL COLOR SAMPLE SUBMITTALS HAVE BEEN APPROVED AS CALLED FOR ON THE DRAWINGS AND IN THE SPECIFICATIONS.
3.	ALL FLOOR FINISH TRANSITIONS TO OCCUR IN THE MIDDLE OF DOOR FRAME, UNLESS NOTED OTHERWISE ON FLOOR FINISH PLAN.
4.	PROVIDE SCHLUTER SCHENE TRANSITIONS STRIP WHEREVER DIFFERING FLOOR MATERIALS MEET, UNLESS NOTED OTHERWISE.
5.	ALL HOLLOW METAL DOOR FRAMES AND WINDOW FRAMES TO BE PAINTED PNT-7 WITH ZERO VOC ACRYLIC BASED PAINT WITH A SEMI-GLOSS FINISH.
6.	BASIS OF DESIGN, ALL SOLID WOOD DOORS TO BE MASONITE DOOR SYSTEMS, SPECIES: WHITE BIRCH, CUT: ROTARY, STAIN: COCOA BEAN.
7.	ALL EXPOSED STEEL STRUCTURE TO BE PAINTED PNT-3 WITH SEMI-GLOSS FINISH.
8.	REFER TO A10 SERIES FOR ADDITIONAL WALL FINISH INFORMATION.
9.	ALL COUNTERTOPS AND 4" BACKSPRASHES TO BE QZ-1 IN SERVING AND QZ-2 IN CAFE, UNLESS NOTED OTHERWISE.
10.	ALL CASEWORK TO BE PL-1, UNLESS NOTED OTHERWISE.
11.	REFER TO FLOOR FINISH PLAN FOR FLOORING INSTALL DIRECTION.
12.	ALL CASEWORK HARDWARE TO BE WIRE PULL UNLESS NOTED OTHERWISE.
13.	PROVIDE SCHLUTER QUADREC TRIM PIECE WITH EB FINISH AT ALL EXPOSED TILE EDGES.

FINISH FLOOR PLAN KEYNOTES	
93000-7	SCHLUTER QUADREC PIECE TO BE INSTALLED AT EDGE OF EXPOSED TILE.
93000-11	SUBSTRATE TO BE TREATED AS NEEDED TO PROVIDE LEVEL TRANSITION BETWEEN COOLER AND BUILDING.

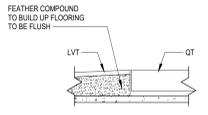
FINISH COMMENTS	
1.	EXPOSED CEILING TO BE PAINTED PNT-3.
2.	PNT-4 FROM TOP OF BASE TO 4'-5" A.F.F., PNT-1 ABOVE TO CEILING. PAINT LINE TO BE ALIGNED WITH CMU COURSING.
3.	CWT-3 TO BE INSTALLED FROM FLOOR TO 4'-5" A.F.F., CWT-2 TO CONTINUE TO 7'-7" A.F.F. PNT-1 ABOVE. CWT-3 HEIGHT TO ALIGN WITH WAINSCOT LINE NOTED IN FINISH COMMENT #2.
4.	SC-1 & SC-2 PATTERN TBD.
5.	COLUMNS TO BE PNT-6 FROM TOP OF BASE TO 4'-5" A.F.F., PNT-2 ABOVE TO CEILING. PAINT LINE TO BE ALIGNED WITH CMU COURSING.

ROOM FINISH TAG KEY	
ROOM NAME	
ROOM #	
FLOOR	F
BASE	B
WALLS	W
COMMENTS	C

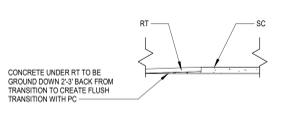
NOTE: FINISHES INDICATED IN FINISH LEGEND BOXES ARE GENERAL OVERALL FINISHES FOR THE ROOM UNLESS NOTED OTHERWISE BY A COMMENT, DETAIL, OR INTERIOR ELEVATION.



2 QUARTER-TURN INSTALL PATTERN
 SCALE: 1/2" = 1'-0"



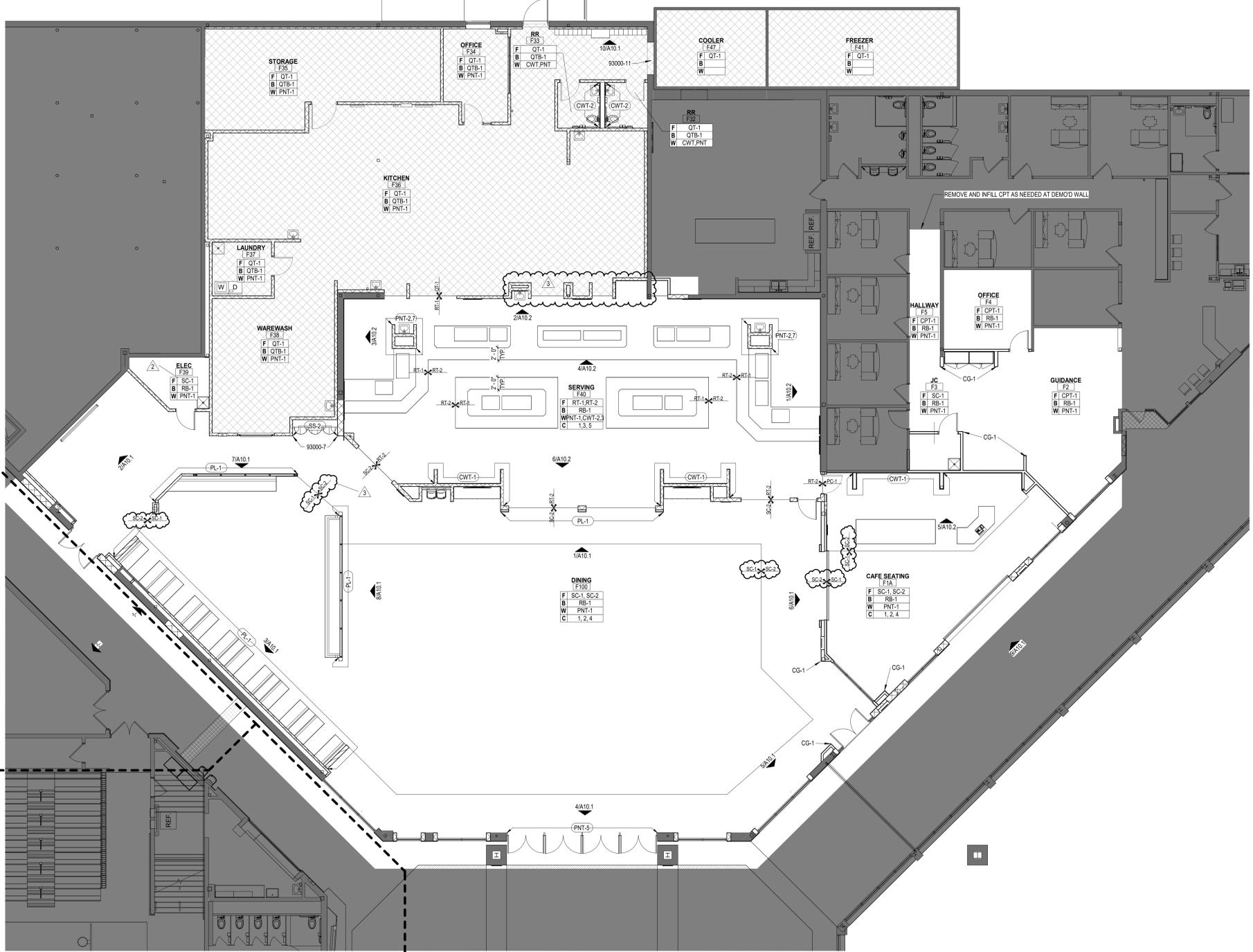
3 RT/QT TRANSITION
 SCALE: 1/2" = 1'-0"



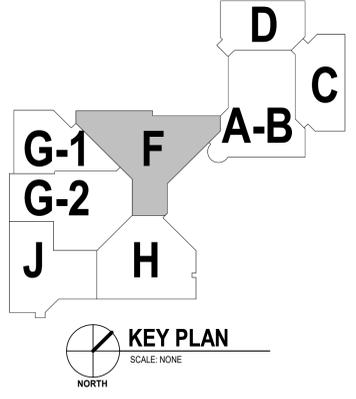
4 RT/SC TRANSITION
 SCALE: 1/2" = 1'-0"



FINISH LEGEND	
ACOUSTICAL WALL PANEL	
AWP-1	MDC WALL, ZINTRA ACOUSTIC PANEL, STYLE: DIAMOND, COLOR: CADET, SHEET SIZE: 9' X 4' X 1"
CARPET	
CPT-1	MILLIKEN, COLLECTION: REMIX REMASTERED, STYLE: BASS LINE, COLOR: BSL140-120 CUE UP WITH AZUL, SIZE: 1M X 1M, INSTALL: QUARTER-TURN
CERAMIC WALL TILE	
CWT-1	DALTILE, COLLECTION: SHOWSCAPE, STYLE: REVERSE DOT, COLOR: CURRANT SH17, SIZE: 12" X 24", INSTALL: BRICK, GROUT: MAPEI KERAPOXY, COLOR: PEARL GRAY 5019
CWT-2	DALTILE, COLLECTION: COLOR WHEEL, STYLE: LINEAR, COLOR: ARTIC WHITE 0190, SIZE: 6" X 18", INSTALL: BRICK, GROUT: MAPEI KERAPOXY, COLOR: PEARL GRAY 5019
CWT-3	DALTILE, COLLECTION: COLOR WHEEL, STYLE: LINEAR, COLOR: SUEDE GRAY 0182, SIZE: 6" X 18", INSTALL: BRICK, GROUT: MAPEI KERAPOXY, COLOR: PEARL GRAY 5019
CWT-4	DALTILE, COLLECTION: COLOR WHEEL MOSAIC, STYLE: STRAIGHT JOINT, COLOR: BLACK K111, SIZE: 1" X 6", INSTALL: VERTICAL, GROUT: MAPEI KERAPOXY, COLOR: PEARL GRAY 5019
CWT-5	DALTILE, COLLECTION: COLOR WHEEL RETRO, STYLE: 3D CUBE, COLOR: WATERFALL 0169, SIZE: 2" X 3", GROUT: MAPEI KERAPOXY, COLOR: PEARL GRAY 5019
CWT-6	DALTILE, COLLECTION: COLOR WHEEL MOSAIC, STYLE: HEXAGON, COLOR: CURRANT SH17, SIZE: 1.5", GROUT: MAPEI KERAPOXY, COLOR: PEARL GRAY 5019
CORNER GUARD	
CG-1	ACROVYN, FS-20 ACROVYN 4000 CORNER GUARD, COLOR: MUSHROOM #355, INSTALLED FROM TOP OF BASE TO CEILING
FABRIC	
FAB-1	CARNEGIE, PATTERN: MAZE PRINT, COLOR: 6994 103, 54" WIDE
PAINT	
PNT-1	PPG, COLOR: FWCS SPECIAL UMBER, FINISH: GLOSS
PNT-2	WAYNE BLUE, PANTONE #263C, FINISH: GLOSS
PNT-3	PPG, COLOR: 10015 DOWDER GRAY, FINISH: SEMI-GLOSS
PNT-4	PPG, COLOR: 10017 BLACK MAGIC, FINISH: FLAT
PNT-5	WAYNE RED, PANTONE # T8D, FINISH: GLOSS
PNT-6	PPG, COLOR: 10074 COOL CHARCOAL, FINISH: GLOSS
PNT-7	PPG, COLOR: 10014 KNIGHTS ARMOR, FINISH: SEMI-GLOSS
PNT-8	PPG, COLOR: 10011 DELICATE WHITE, FINISH: FLAT
PLASTIC LAMINATE	
PL-1	WILSONART, COLOR: RIVER CHERRY 7937-38, FINISH: FINE VELVET
QUARRY TILE	
QT-1	DALTILE, COLLECTION: QUARRY TILE, COLOR: ARID GRAY 0Q42, FINISH: ABRASIVE, SIZE: 6" X 6", GROUT: MAPEI KERAPOXY, COLOR: BLACK 5010
QUARRY TILE BASE	
QTB-1	DALTILE, COLLECTION: QUARRY TILE, COVE BASE Q3565, COLOR: ARID GRAY 0Q42, SIZE: 5" X 6"
QUARTZ	
QZ-1	WILSONART, COLOR: VESUVIUS Q1017
QZ-2	CORIAN, COLOR: SMOKED QUARTZITE
RESILIENT TILE FLOOR	
RT-1	PATOCRAFT, COLLECTION: ADMIX, COLOR: SEA URCHIN 00590, SIZE: 36" X 36"
RT-2	PATOCRAFT, COLLECTION: ADMIX, COLOR: SCALLOP 00520, SIZE: 36" X 36"
RUBBER BASE	
RB-1	TARKETT, TRADITIONAL 4" BASE, COLOR: 20 CHARCOAL
SOLID SURFACE	
SS-1	NOT USED
SS-2	WILSONART, COLOR: CARBONE MARMO 991455
STAINED CONCRETE	
SC-1	PREP & CLEAN CONCRETE SURFACE, GRIND TO CLASS B FINE/SAND AGGREGATE, POLISH TO A LEVEL 1,400 GRIT FINISH - SATIN, STAIN WITH DYED PIGMENT, COLOR: TBD, SEAL WITH DENISFER & STAIN GUARD
SC-2	PREP & CLEAN CONCRETE SURFACE, GRIND TO CLASS B FINE/SAND AGGREGATE, POLISH TO A LEVEL 1,400 GRIT FINISH - SATIN, STAIN WITH DYED PIGMENT, COLOR: TBD, SEAL WITH DENISFER & STAIN GUARD

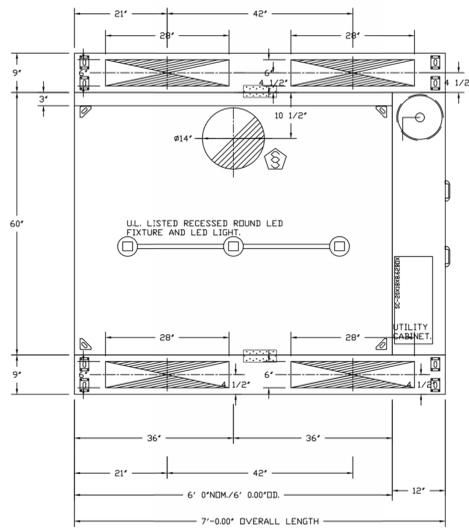


1 FINISH FLOOR PLAN - MAIN LEVEL - UNIT F
 SCALE: 1/8" = 1'-0"

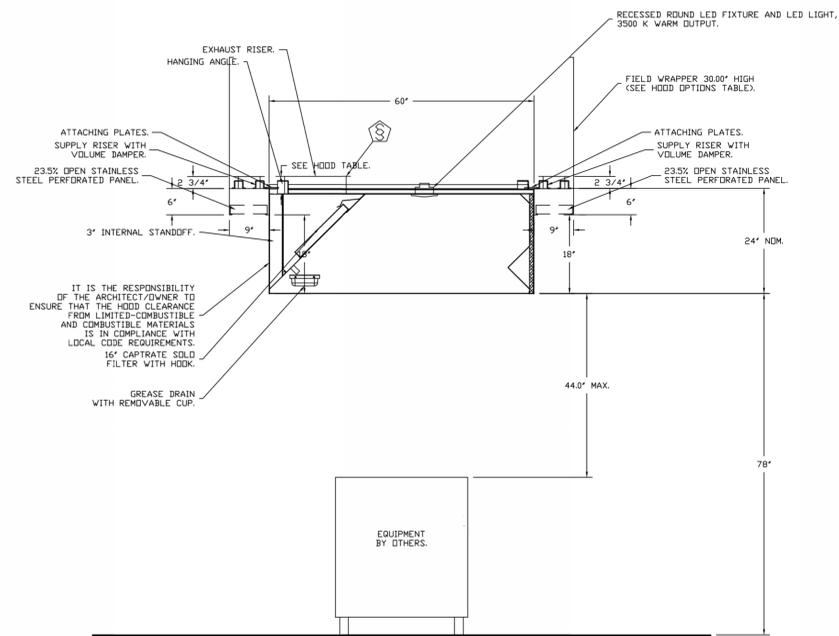


KEY PLAN
 SCALE: NONE

11/20/2024 7:44:02 AM



PLAN VIEW - HOOD #1 (Demo Hood)
6'-0.00" LONG 6024EX-2WI-PSP-FB



SECTION VIEW - MODEL 6024EX-2WI-PSP-FB
HOOD - #1 (Demo Hood)

REVISIONS	
NO.	DATE



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Indiana Mechanical

20 E. Airport Rd. Ste. 100, Brownsburg, IN 46112 PHONE: (317) 215-0871 FAX: 9192275918 EMAIL: reg38@captiveinc.com

Demonstration Kitchen - Wayne High School
9100 Winchester Road,
Fort Wayne, IN, 46819

DATE: 10/29/2024

DWG.#:
7134093

DRAWN BY: brett payn

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

MASTER DRAWING

SHEET NO.
2



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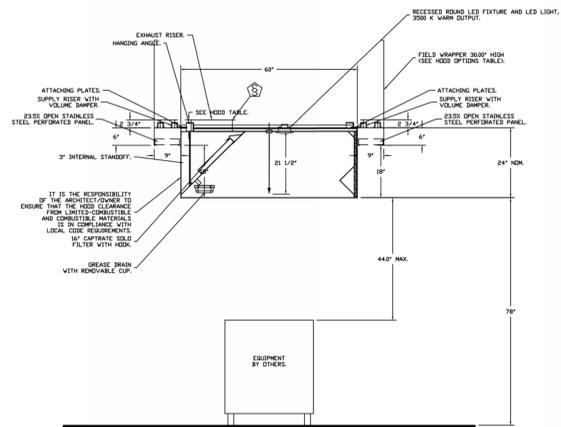
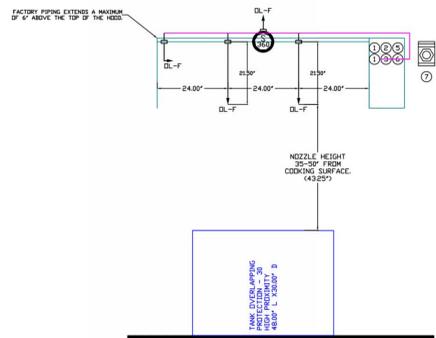
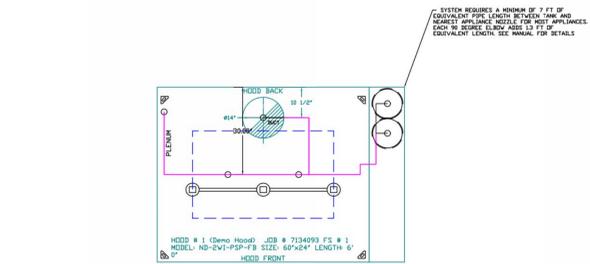
NO.	DATE	DESCRIPTION
1	11/4/2024	ADDENDUM 3

KITCHEN HOOD SYSTEM

KH26

FIRE SYSTEM INFORMATION - JOB#7134093					
FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP
1		TANK FS	4.0	20	18

INSTALLATION	
SYSTEM	LOCATION ON HOOD
FIRE CABINET RIGHT	RIGHT, HOOD 1



SECTION VIEW - MODEL_6024RX-2W1-PSP-PR HOOD - 01

- NOTES
- FIELD PIPE DROPS AS SHOWN
 - PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - FIELD INSTALLED DROPS, FACTORY WILL PROVIDE QTY & 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED
 - SHIP LOOSE DROPS, FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED
 - RELocate NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION
 - IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE
 - THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS
 - DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS
 - JOB # 7134093
 - JOB NAME: DEMONSTRATION KITCHEN - WAYNE HIGH SCHOOL
 - SYSTEM SIZE: TANK-SP-2 DESIGN FP: 18; MAXIMUM FP: 40
 - HOOD # 1 6' 0.000' LONG x 60" WIDE x 24" HIGH
 - RISER # 1 SIZE: 1/2" DIA.
 - HOOD # 1 METAL BLOW-OFF CAPS INCLUDED
 - HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH
 - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION

AGENT DISTRIBUTION PIPING LIMITATIONS		
PIPE SECTION		MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE		42
OVERLAPPING NOZZLE APPLIANCE BRANCH		10
DEDICATED NOZZLE APPLIANCE BRANCH		10

LEGEND - FIRE CABINET TANK SYSTEM

- | | |
|---|--------------------------------|
| 1 | 4 GALLON TANK |
| 2 | PRIMARY ACTUATOR RELEASE |
| 3 | SECONDARY ACTUATOR RELEASE |
| 4 | PRESSURE SUPERVISION SWITCH |
| 5 | PRIMARY HOSE ASSEMBLY |
| 6 | SECONDARY HOSE ASSEMBLY |
| 7 | REMOTE MANUAL ACTUATION DEVICE |

REVISIONS

NO.	DATE	DESCRIPTION
1	11/4/2024	ADDENDUM 3

CAPTIVE
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DATE: 10/29/2024

DWG.#:
7134093

DRAWN BY: brett.payn

SCALE:
1/2" = 1'-0"

MASTER DRAWING

SHEET NO.
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NO.	DATE	DESCRIPTION
1	11/4/2024	ADDENDUM 3

KITCHEN HOOD SYSTEM

KH27

EXHAUST FAN INFORMATION - JOB#7134093

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	KEF - DEMO	1	EADUB5H	ECCDN-AIR	1614	1.250	1421	TEAD-ECM	0.750	0.5050	1	208	5.2	511 FPM	90	12.7

MUA FAN INFORMATION - JOB#7134093

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SDNES
2	MAU - DEMO	1	EAI-D.250-15D	15MF-1-MDD	A1-D.250	1000	1325	0.600	1636	TEAD-ECM	1.000	0.6480	1	208	6.9	9.8A	15A	492	13.5

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUS	OUTPUT BTUS	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	MAU - DEMO	106161	97668	71°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF - DEMO	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DRB5HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
2	MAU - DEMO	1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
		1	SIZE 1 TEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING - MEETS AMCA CLASS 1A RATING
		1	ECM WIRING PACKAGE - DD SUPPLY - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR)
		1	2 YEAR PARTS WARRANTY
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

FAN ACCESSORIES

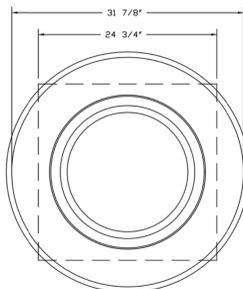
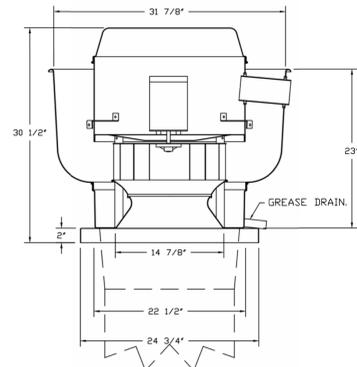
FAN UNIT NO	TAG	EXHAUST				SUPPLY		
		GREASE CLIP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF - DEMO	YES						
2	MAU - DEMO						YES	

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF - DEMO	41 LBS	CURB	23.000"W X 23.000"L X 24.000"H VENTED HINGED.
2	# 2	MAU - DEMO	63 LBS	CURB	21.000"W X 71.000"L X 18.000"H INSULATED.

HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #2	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55

FAN #1 EADUB5H - EXHAUST FAN (KEF - DEMO)



TOP VIEW

FEATURES:

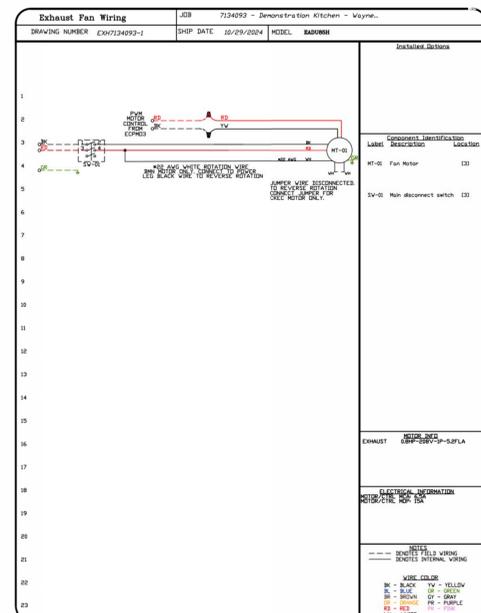
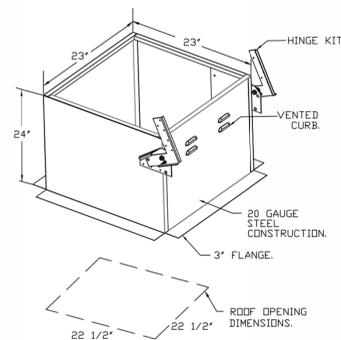
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-5645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL - DU/DRB5HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
- ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.



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NO.	DATE	DESCRIPTION
1	11/4/2024	ADDENDUM 3



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Demonstration Kitchen - Wayne High School
9100 Winchester Road,
Fort Wayne, IN, 46819

DATE: 10/29/2024
DWG.#: 7134093
DRAWN BY: brett.payn
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
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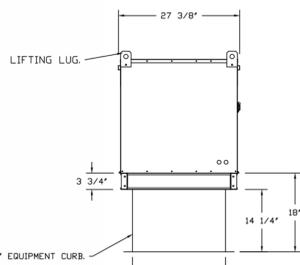
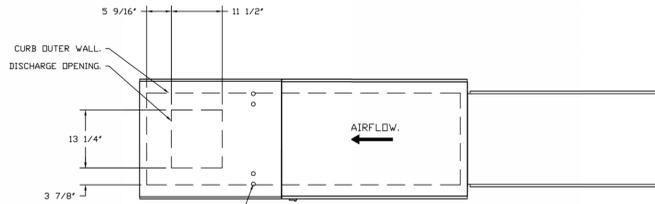
KITCHEN HOOD SYSTEM



- FAN #2 EA1-D250-1SD - HEATER (MAU - DEMO)
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN.
 2. INTAKE HOOD WITH E2 FILTERS.
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 4. DOWN DISCHARGE CONSTRUCTION FOR SIZE 1 DIRECT DRIVE AHUS.
 5. GAS PRESSURE GAUGE, 0-35", 2 1/2" DIAMETER, 1/4" THREAD SIZE.
 6. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC, 2 1/2" DIAMETER, 1/4" THREAD SIZE.
 7. SHIP LOOSE GAS STRAINER, TO BE INSTALLED UPSTREAM OF UNIT CONNECTION, 3/4" CONNECTION.
 8. MODRIZED BACK DRAFT DAMPER 16" X 18" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, TFBIBS ACTUATOR INCLUDED.
 9. ECM WIRING PACKAGE FOR SUPPLY MOTORS WITH PWM SIGNAL FROM ECM23 PREWIRE.
 10. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
 11. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.
 12. 2 YEAR PARTS WARRANTY.

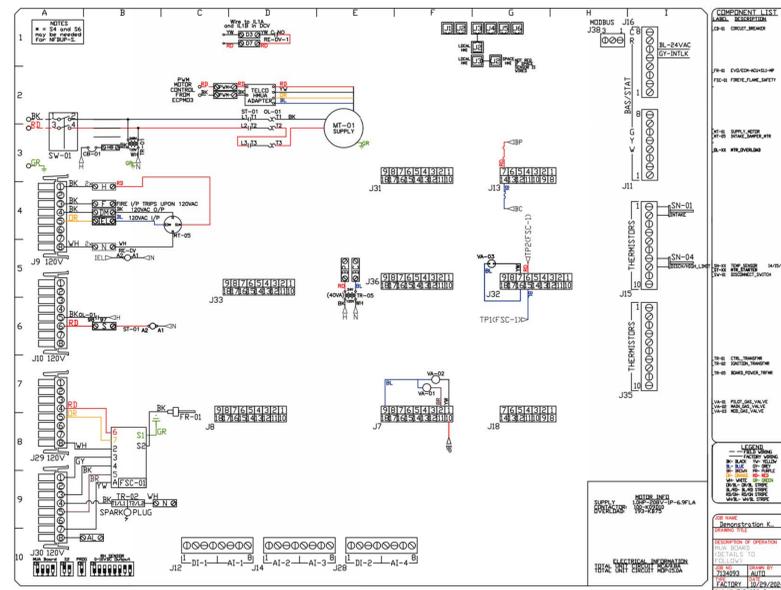
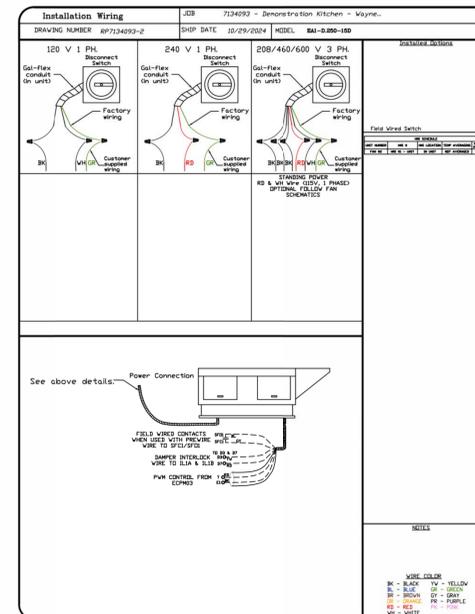
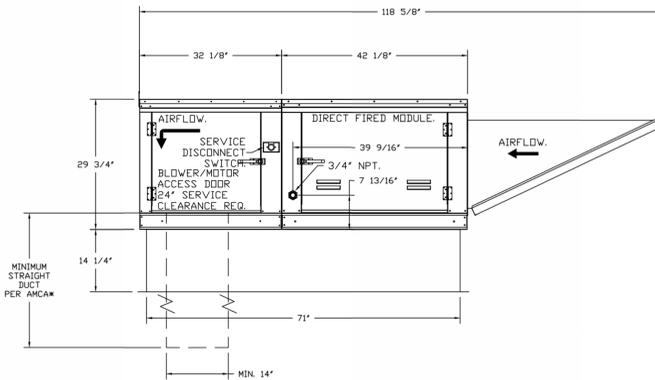
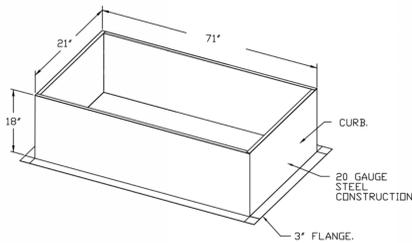
NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/CORNER BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRABSTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" X 14".

SUPPLY SIDE HEATER INFORMATION
 WINTER TEMPERATURE = 41°. TEMP. RISE = 71°F.
 BTUS CALCULATED OFF ACTUAL AIR DENSITY.
 OUTPUT BTUS AT ALTITUDE OF 0.0 FT. = 100544.
 INPUT BTUS AT ALTITUDE OF 0.0 FT. = 109544.
 OUTPUT BTUS AT ALTITUDE OF 790 FT. = 97668.
 INPUT BTUS AT ALTITUDE OF 790 FT. = 106161.



ROOF OPENING 2" SMALLER THAN CURB DIMENSION.

OPTIONS:
 - FULL BOTTOM CORNERS.



REVISIONS	
DESCRIPTION	DATE

CAPTIVE

Indiana Mechanical

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1	11/4/2024	ADDENDUM 3

DUCTWORK #1 PARTS - JOB#7134093 DOUBLE WALL

TAG	PART #	CFM	GPM	ZONE	COVERED BY	SP	WEIGHT	VELDCTY	QTY	DESCRIPTION	
H1-E1	DW18DWRISER-2R-S	1614					-0.916	815	0.00	1	DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4' LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW1445DWASY-2R-S	1614					-0.0368	19.87	1509.80	1	DOUBLE WALL DUCT - 14" INNER 45 DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P2	DW1445DWASY-2R-S	1614					-0.0525	19.87	1509.80	1	DOUBLE WALL DUCT - 14" INNER 45 DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P3	DW1423DWT-2R-S	1614					-0.008	30.75	1509.80	1	DOUBLE WALL DUCT - 14" INNER DUCT, 23' LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P4	DW1447DWAJD-2R-S	1614					-0.01	93.18	1509.80	1	DOUBLE WALL ADJUSTABLE DUCT - 14" INNER DUCT, 45.5' LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11' / MAX LENGTH = 48.5' / ADJUSTMENT = 30.5' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P5	ASSEMBLED W/P6	DW144550DWLTP-2R-S	1614				-0.015	61.01	1509.80	1	DOUBLE WALL DUCT - 14" INNER DUCT, 45.5' LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.
P6	ASSEMBLED W/P5 D=B	DW2314TPDBEX	1614					8.00	1509.80	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 23" CURB TO 14" DUCT, 16 GA ALUMINIZED. USED ON NCA14FA & NCA14HPFA. TRANSITION PLATE DD IS 23.5" DESIGNED FOR USE WITH EXHAUST FAN.
	SYSTEM AT P6						-1.0383	0.00			
RC1	DW18DWRISER-2R-S							8.15		1	DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4' LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS							0.80		2	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	DW14DCLASY-2R-S							7.21		2	DUCT - 14" DUCT - 18" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.
TOTAL WEIGHT								265.00			

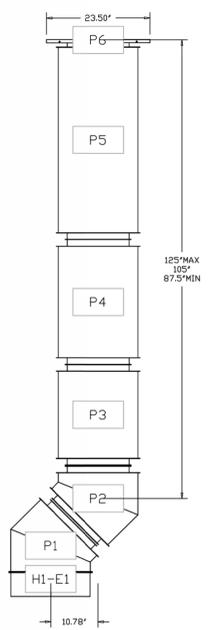
- DOUBLE WALL FACTORY BUILT DUCTWORK**
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
 - FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
 - DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
 - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

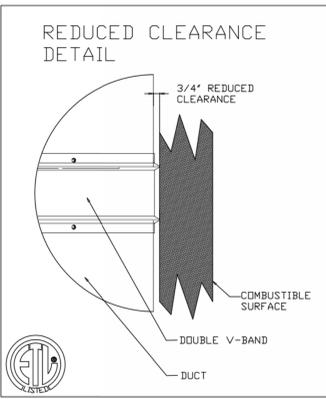
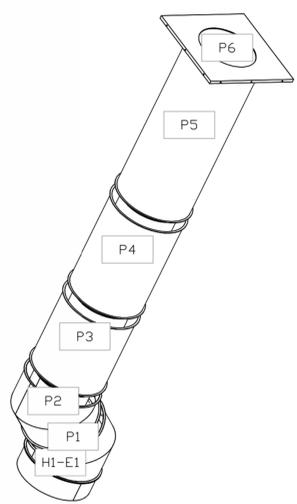
VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5'-16')	20'	24'	24'
2R (18')	18'	24'	24'
3R & 3Z (5'-24')	10'	24'	24'
3Z (26'-36')	10'	20'	20'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

DUCTWORK #1 SIDE VIEW



DUCTWORK #1 SE VIEW



CAPTIVE-AIRE FACTORY BUILT GREASE DUCT IS BUILT IN COMPLIANCE WITH:

Listed under ETL File number 3114021, and complies with UL-197B.
 Models 2R and 3R are listed in accordance with Condition B of UL Standard 2221 - installation within non-ventilated combustible enclosure.
 Model 3Z is listed in accordance with Condition A and Condition B of UL Standard 2221 - Condition A represents all installation conditions except for installation within non-ventilated combustible enclosure. Condition B represents installation within a non-ventilated combustible structure.

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 DRAWN BY: brett.payn
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

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PLUMBING PLAN - UNDERGROUND - UNIT F

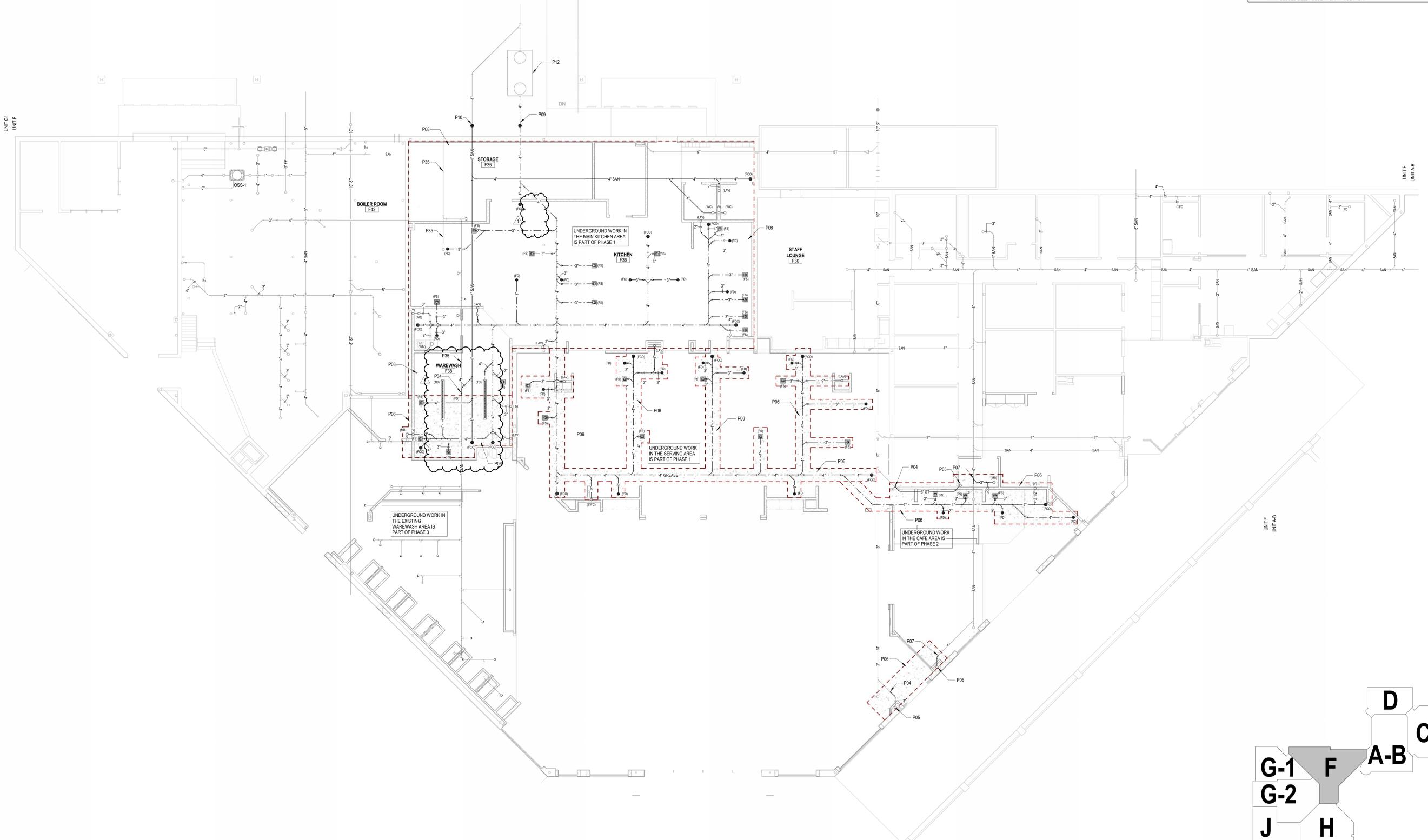
P2.0F

PLUMBING NOTES

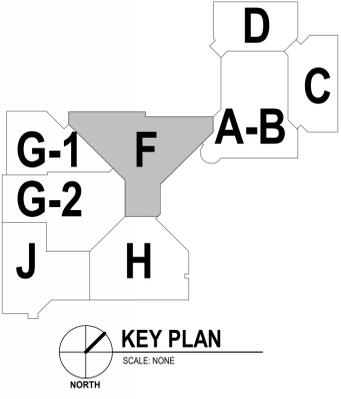
- P04 CONNECT NEW STORM PIPING INTO EXISTING BELOW THE SLAB AT THIS LOCATION. ROUTE PIPING UP TO FLOOR ABOVE.
- P06 SAWCUT SLAB AS REQUIRED FOR INSTALLATION OF ALL NEW UNDERGROUND PIPING. PLACE NEW CONCRETE IN SLAB PER GENERAL NOTES, TYPICAL.
- P07 CONNECT NEW SANITARY PIPING INTO EXISTING BELOW THE SLAB AT THIS LOCATION.
- P08 IT IS THE INTENT THAT THE ENTIRE SLAB IN THE KITCHEN AREA IS TO BE REMOVED AND REPLACED WITH NEW TO FACILITATE REMOVAL OF ALL THE OLD UNDERGROUND PIPING AND INSTALLATION OF THE NEW, TYPICAL.
- P09 ROUTE NEW GREASE PIPE OUT AND CONNECT TO GREASE PIPING INSTALLED AS PART OF THE HIGH SCHOOL PROJECT THAT CONNECTS TO A NEW GREASE INTERCEPTOR INSTALLED AS PART OF THE PREVIOUS HIGH SCHOOL PROJECT.
- P10 ROUTE NEW SANITARY PIPE OUT AND CONNECT TO SANITARY PIPING BEFORE CONTROL MANHOLE THAT WAS INSTALLED AS PART OF THE HIGH SCHOOL PROJECT.
- P12 EXISTING GREASE INTERCEPTOR PROVIDE AND INSTALLED AS PART OF THE RECENT HIGH SCHOOL RENOVATION PROJECT. CONTRACTOR TO VERIFY EXACT LOCATION AND INVERTS PRIOR TO ANY WORK.
- P34 CONNECT THE EXISTING SANITARY FROM THE EXISTING WAREWASH AREA TO THE NEW SANITARY SYSTEM DURING CONSTRUCTION ONCE THE NEW PIPING IS INSTALLED AND IN OPERATION. PERFORM THIS WORK IN A SINGLE AFTER HOURS TIME SO THAT THERE IS NO INTERRUPTION OF THE WAREWASH AREA DURING SCHOOL.
- P35 THIS SECTION OF PIPING SHALL BE ABANDONED IN PLACE AFTER THE CONNECTION SHOWN BY NOTE P34.

GENERAL PLUMBING NOTES

- DEAD ENDS SHALL BE AVOIDED IN A DRAINAGE SYSTEM, EXCEPT WHERE NECESSARY TO EXTEND THE SYSTEM TO INSTALL A CLEANOUT IN AN ACCESSIBLE LOCATION. THE DEAD ENDS INTENDED FOR FUTURE CONNECTION OR CREATED BY REMOVAL OR ABANDONMENT OF PIPE WHICH IS MORE THAN TWO (2) FEET ABOVE A FLOOR OR MORE THAN TEN (10) FEET HORIZONTALLY FROM THE NEAREST VENTED CONNECTION MUST HAVE A VENTED CONNECTION TO THE OUTSIDE ATMOSPHERE.
- ALL FLOOR DRAINS SHALL BE INSTALLED WITH A ZURN Z1072 TRAP SEAL DEVICE.
- ALL LAVATORY FAUCETS FOR PUBLIC USE SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER-MIXING DEVICE AND SHALL COMPLY WITH ANSI/ASSE 1016-1996 OR 1017-1998. THE SAFETY MIXING DEVICE SHALL BE ADJUSTED TO A MAXIMUM SETTING OF 110 DEGREES FAHRENHEIT, AT THE TIME OF INSTALLATION.
- PIPING LOCATIONS, INVERTS AND SIZES SHALL BE VERIFIED ON SITE TO DETERMINE EXACT LOCATION AND SIZE.
- ALL DOUBLE CHECK BACKFLOW PREVENTORS (DCV), DOUBLE CHECK DETECTORS (DCDA) OR REDUCED PRESSURE BACKFLOW PREVENTORS (RP2) SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (COCDDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER. RECORDS OF TESTS SHALL REMAIN ONSITE.
- PROVIDE WALL CLEANOUTS ON ALL SANITARY AND STORM LINES AT 12" AFF WHERE THEY ROUTE TO BELOW THE SLAB.
- ALL FAN COILS, UNIT VENTILATORS, AND DUCTLESS SPLIT UNITS SHOWN ON THE MECHANICAL PLANS SHALL HAVE CONDENSATE Routed TO FLOOR DRAIN OR EXTERIOR WALL. UNITS LOCATED ALONG THE EXTERIOR SHALL HAVE CONDENSATE DISCHARGED DIRECTLY THROUGH WALL. UNITS LOCATED WITHIN INTERIOR SPACES SHALL HAVE CONDENSATE Routed TO NEAREST FLOOR DRAIN.
- ALL EXISTING DOMESTIC WATER AND STORM DRAIN PIPING SHALL BE REINSULATED WITH CLOSED CELL RUBBER FOAM INSULATION.



1 PLUMBING PLAN - UNDERGROUND - UNIT F
 SCALE: 1/8" = 1'-0"



11/4/2024 2:35:40 PM



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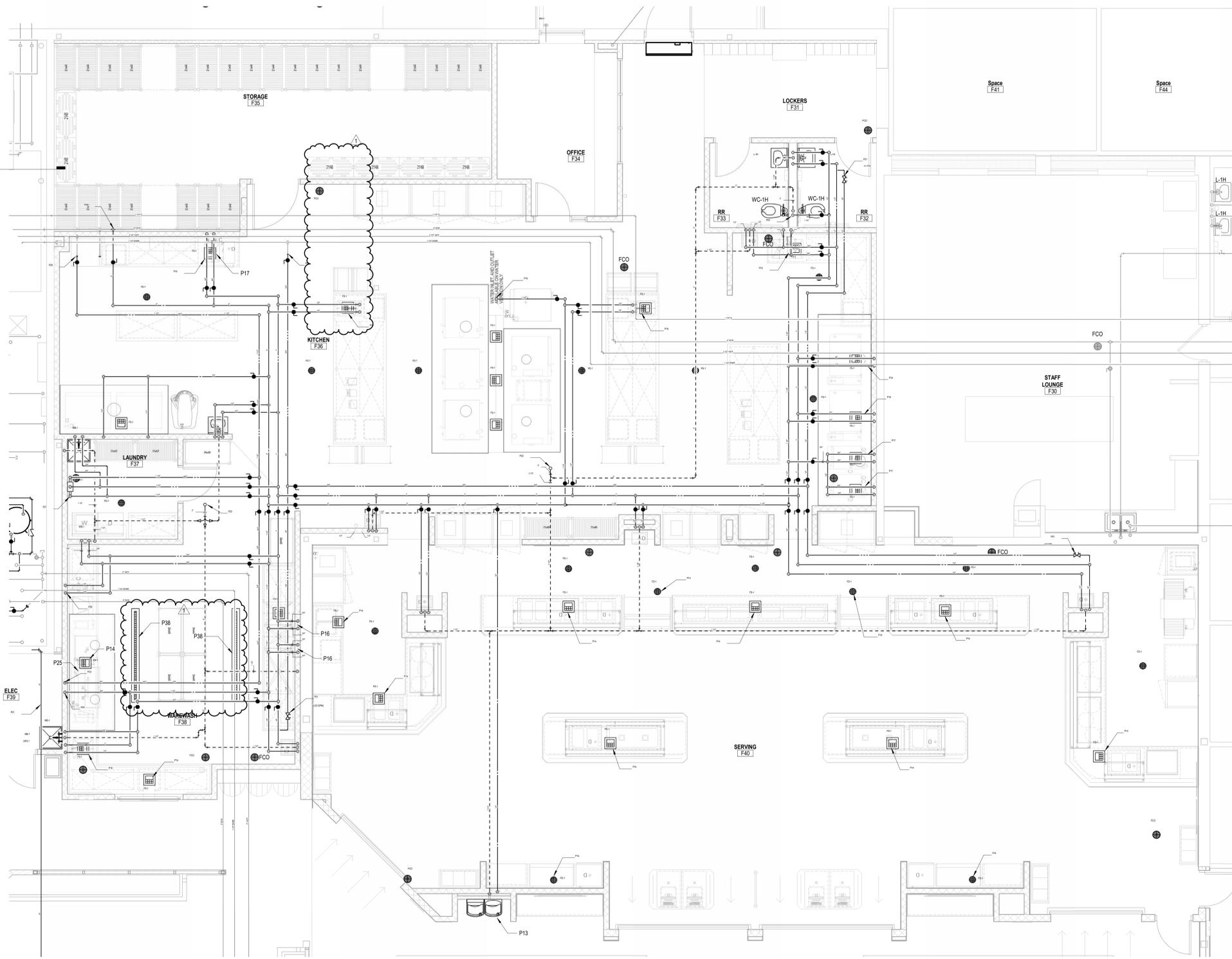
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1	11/4/2024	ADDENDUM 3

ENLARGED PLUMBING PLANS - KITCHEN

P3.2

- GENERAL PLUMBING NOTES**
- DEAD ENDS SHALL BE AVOIDED IN A DRAINAGE SYSTEM, EXCEPT WHERE NECESSARY TO INSTALL A CLEANOUT IN AN ACCESSIBLE LOCATION. THE DEAD ENDS INTENDED FOR FUTURE CONNECTION OR CREATED BY REMOVAL OR ABANDONMENT OF PIPE, WHICH IS MORE THAN TWO (2) FEET ABOVE A FLOOR OR MORE THAN TEN (10) FEET HORIZONTALLY FROM THE NEAREST VENTED CONNECTION MUST HAVE A VENTED CONNECTION TO THE OUTSIDE ATMOSPHERE.
 - ALL FLOOR DRAINS SHALL BE INSTALLED WITH A ZURN Z1072 TRAP SEAL DEVICE.
 - ALL LAVATORY FAUCETS FOR PUBLIC USE SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER-MIXING DEVICE AND SHALL COMPLY WITH ANSIS/ASSE 1016-1996 OR 1017-1996. THE SAFETY-MIXING DEVICE SHALL BE ADJUSTED TO A MAXIMUM SETTING OF 110 DEGREES FAHRENHEIT, AT THE TIME OF INSTALLATION.
 - PIPING LOCATIONS, INVERTS AND SIZES SHALL BE VERIFIED ON SITE TO DETERMINE EXACT LOCATION AND SIZE.
 - ALL DOUBLE CHECK BACKFLOW PREVENTORS (DCV), DOUBLE CHECK DETECTORS (DCD) OR REDUCED PRESSURE BACKFLOW PREVENTORS (RPZ) SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCCDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER. RECORDS OF TESTS SHALL REMAIN ON-SITE.
 - PROVIDE WALL CLEANOUTS ON ALL SANITARY AND STORM LINES AT 12" AFF WHERE THEY ROUTE TO BELOW THE SLAB.
 - ALL FAN COILS, UNIT VENTILATORS, AND DUCTLESS SPLIT UNITS SHOWN ON THE MECHANICAL PLANS SHALL HAVE CONDENSATE ROUTED TO FLOOR DRAIN OR EXTERIOR WALL. UNITS LOCATED ALONG THE EXTERIOR SHALL HAVE CONDENSATE DISCHARGED DIRECTLY THROUGH WALL. UNITS LOCATED WITHIN INTERIOR SPACES SHALL HAVE CONDENSATE ROUTED TO NEAREST FLOOR DRAIN.
 - ALL EXISTING DOMESTIC WATER AND STORM DRAIN PIPING SHALL BE REINSULATED WITH CLOSED CELL RUBBER FOAM INSULATION.

- PLUMBING NOTES**
- RELOCATE FIRE PROTECTION PIPE TO BE ROUTED ABOVE MAIN LEVEL CEILING.
 - RE-INSTALL SALVAGED WATER COOLER AT THIS LOCATION.
 - CONNECT INDIRECT DRAIN TO EACH PIECE OF KITCHEN EQUIPMENT AND EXTEND TO DRAIN. SEE KITCHEN FOODSERVICE DRAWINGS AND SCHEDULES FOR SIZES AND QUANTITIES OF DRAINS. INDIRECT DRAINS SHALL BE ALL COPPER.
 - PROVIDE DOMESTIC WATER ROUGH-INS AND MAKE FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY KEC. CONNECT INDIRECT DRAIN TO EACH PIECE OF EQUIPMENT AND EXTEND TO THE DRAIN. SEE KITCHEN FOODSERVICE DRAWINGS AND SCHEDULES FOR SIZES AND QUANTITIES. INDIRECT DRAINS SHALL BE ALL COPPER.
 - PROVIDE DOMESTIC WATER ROUGH-INS AND EXTEND THROUGH KEC FURNISHED WATER FILTER AND MAKE FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY KEC. CONNECT INDIRECT DRAIN TO EACH PIECE OF EQUIPMENT AND EXTEND TO THE DRAIN. SEE KITCHEN FOODSERVICE DRAWINGS AND SCHEDULES FOR SIZES AND QUANTITIES. INDIRECT DRAINS SHALL BE ALL COPPER.
 - PROVIDE DOMESTIC WATER ROUGH-INS DOWN THROUGH UTILITY CHASE AND MAKE FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY KEC. CONNECT INDIRECT DRAIN TO EACH PIECE OF EQUIPMENT AND EXTEND TO THE DRAIN. SEE KITCHEN FOODSERVICE DRAWINGS AND SCHEDULES FOR SIZES AND QUANTITIES. INDIRECT DRAINS SHALL BE ALL COPPER.
 - ROUTE DOMESTIC COLD WATER PIPING DOWN AND CONNECT TO UDS SYSTEM. SEE KITCHEN HOOD SYSTEM DRAWINGS.
 - ROUTE VENT PIPING UP AND TERMINATE AT ROOF WITH NEW VENT THROUGH ROOF (VTR). MAINTAIN ALL ROOF WARRANTIES.
 - INSTALL HOT WATER BALANCING VALVE ON THE HOT WATER RETURN LINE AT THIS LOCATION AND SET TO THE FLOW INDICATED.
 - ROUTE WATER PIPING DOWN INTO WALL AND CONNECT TO EACH INDIVIDUAL FIXTURE PER THE MINIMUM CONNECTION SIZE IN THE PLUMBING FIXTURE SCHEDULE.
 - ROUTE 3/4" 140 DEGREE HOT WATER WITHIN WALL AND CONNECT TO RPZ AND CONNECT TO BOOSTER HEATER. EXTEND 3/4" 180" LINE FROM BOOSTER HEATER TO DISHWASHER.
 - ROUTE 3/4" COLD WATER LINE DOWN TO 12" AFF AND ROUTE THROUGH RPZ AND CONNECT TO DRAIN TEMPERING KIT ON DISHWASHER DRAIN.
 - ROUTE 1-1/2" DRAIN FROM DISHWASHER, 3/4" DRAIN FROM THE PRESSURE RELIEF VALVE ON BOOSTER HEATER AND 1" DRAIN FROM CONDENSATE HOOD TO FLOOR SINK.
 - ROUTE DOMESTIC WATER DOWN WITHIN WALL AND STUB OUT FOR HOSE REEL. CONNECT THROUGH RPZ ON THE WALL AND MAKE FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY KEC.
 - INSTALL THERMOSTATIC MIXING VALVE ON THE WALL AT THIS LOCATION. PIPE PER MANUFACTURERS REQUIREMENTS.
 - CONNECT NEW PIPING INTO EXISTING AT THIS LOCATION.
 - INSTALL TRENCH DRAINS PROVIDED BY FSEC PER THE DETAILS ON THE FOOD SERVICE DRAWINGS.



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

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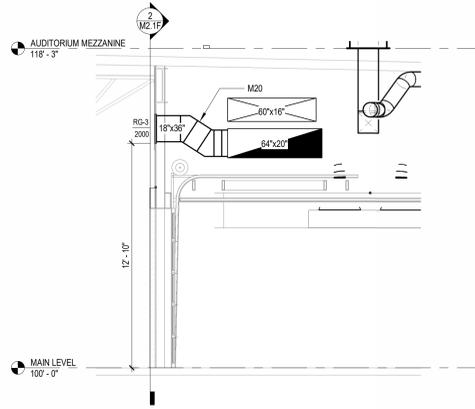
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1	11/4/2024	ADDENDUM 3

MECHANICAL PLAN - MAIN LEVEL - UNIT F

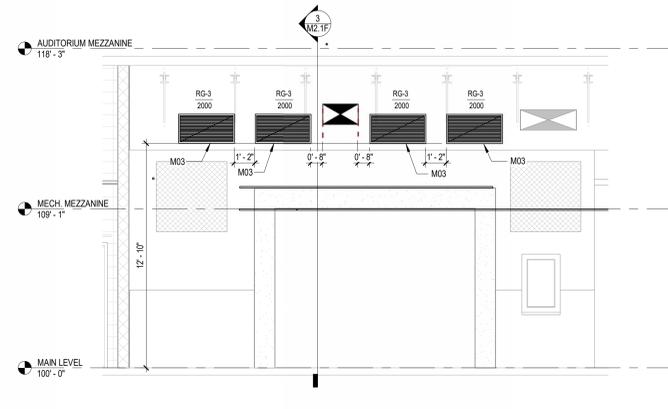
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GENERAL MECHANICAL NOTES	
1.	PAIN ALL EXTERIOR GAS PIPING WITH 2 COATS OF SAFETY YELLOW ENAMEL PAINT WITH RUSTOLEUM PRIMER.
2.	MECHANICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE THE INSTALLATION OF THE DUCT AND PIPING SYSTEMS. LAYOUTS ARE SCHEMATIC IN NATURE AND PROVIDE GENERAL ROUTING SOLUTIONS. CONTRACTOR SHALL COORDINATE ALL ROUTES ON SITE.
3.	ALL DUCTS SHALL BE SEALED AND INSULATED PER SPECIFICATIONS.
4.	INSTALL ALL DUCTS AND PIPING AS HIGH AS POSSIBLE TO ALLOW FOR CLEARANCE WITH CEILING AND OTHER TRACES.
5.	SEE THE REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL DIFFUSERS IN THE CEILING.
6.	CONTRACTOR SHALL COORDINATE WITH THE FRASING PLANS ON THE G SHEETS FOR WHEN EQUIPMENT, PIPING AND FIXTURES SHALL BE REMOVED OR REPLACED.
7.	CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR DEMOLITION AND PATCH OF ALL CEILING, WALLS, FLOORS AND ROOFS WHERE PIPING AND EQUIPMENT NEED TO BE INSTALLED WITH A MATERIAL MATCHING THE EXISTING CONSTRUCTION. MASONRY SHALL BE TOOTHED BACK IN AT ALL LOCATIONS WITH FULL SIZE UNITS. TYPICAL ALL AREAS.
8.	PROVIDE ALL TAPS AND VALVES ON THE NEW MAINS AS PART OF PHASE 1 & 2 FOR FUTURE CONNECTIONS TO FUTURE PHASES. PROVIDE TIE-INS TO EXISTING LINES TO KEEP EXISTING EQUIPMENT OPERATIONAL DURING COLD WEATHER MONTHS.
9.	PROVIDE ALL SENSOR WELLS FOR INSTALLATION OF TCC CONTROLS. COORDINATE WITH AUTOMATED LOGIC PRIOR TO THE BID FOR QUANTITIES AND LOCATIONS.

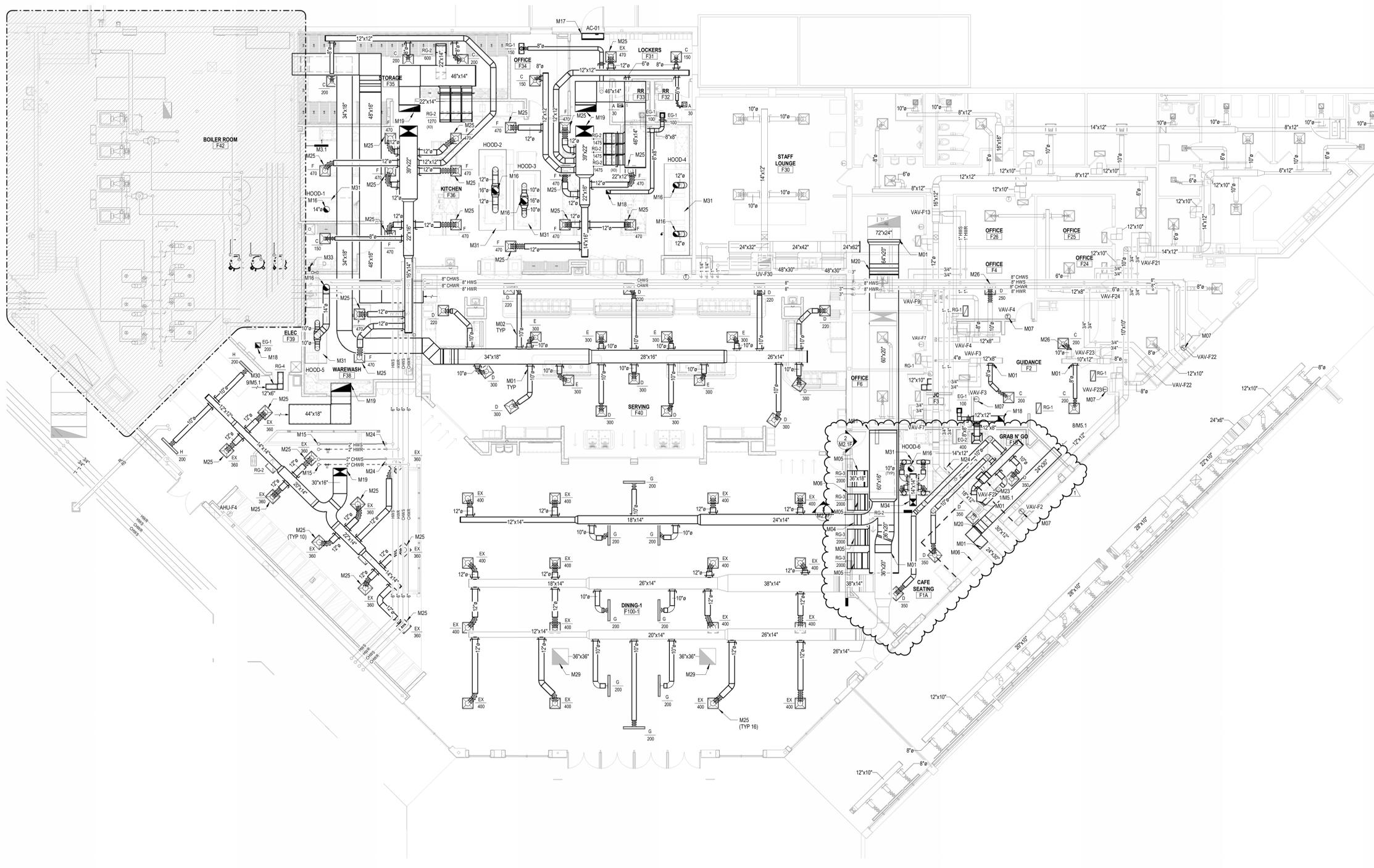
MECHANICAL NOTES	
M01	THE NEW DUCT INTO EXISTING AT THIS APPROXIMATE LOCATION.
M02	ROUTE DUCTWORK THROUGH OPENING IN TRUSS. TYPICAL ALL DUCT BRANCHES IN THIS AREA.
M03	INSTALL AIR TERMINAL ABOVE PAINT LINE IN THIS AREA. DIFFUSER TO BE FIELD PAINTED TO MATCH WALL MOUNTED ON.
M04	OFFSET DUCT BELOW STRUCTURE AT THIS LOCATION.
M05	OFFSET DUCT UP AS SHOWN TO GET AIR TERMINAL ABOVE PAINT LINE. SEE SECTION FOR ELEVATION.
M06	KEEP AREA CLEAR FOR OVERHEAD DOOR AND TRACK. SEE ARCHITECTURAL SECTION FOR DIMENSIONS AND DETAILS OF INSTALLATION OF DOOR AND TRACK.
M07	RELOCATE EXISTING THERMOSTAT TO NEW LOCATION SHOWN.
M15	ROUTE HOT AND CHILLED WATER PIPING UP THROUGH AIR HANDLER PIPING VESTIBULE AND CONNECT TO COIL CONNECTIONS ON THE UNIT. PIPING VESTIBULE SHALL HAVE FULL PERIMETER CURB AROUND IT AND HAVE THE BOTTOM OPEN TO THE PLENUM SPACE BELOW TO ALLOW HEAT TO RISE UP INTO THE VESTIBULE. SEE DETAIL INDICATED FOR PIPING CONNECTIONS TO UNITS. CONTROL VALVES AND TRIM TO BE INSTALLED ABOVE CEILING. BELOW UNITS.
M16	CONNECT EXHAUST DUCTWORK TO KITCHEN HOOD. TRANSITION AS REQUIRED TO MAKE CONNECTION. ROUTE DUCTWORK UP TO ROOF AND CONNECT TO EXHAUST FAN. SEE KITCHEN HOOD AND DUCTWORK DETAIL SHEETS FOR ADDITIONAL INFORMATION.
M17	INSTALL AIR CURTAIN ON WALL ABOVE DOOR AT THIS LOCATION. INSTALL ELECTRIC DOOR CONTACT TO ACTIVATE AIR CURTAIN WHEN DOOR OPENS. HEATING CONTROLLED BY OUTSIDE AIR TEMPERATURE PER TCC.
M18	ROUTE EXHAUST DUCT UP TO FAN ON ROOF ABOVE.
M19	ROUTE DUCT UP THROUGH CURB TO ROOFTOP AIR HANDLER ON THE ROOF ABOVE.
M20	OFFSET DUCT AT THIS LOCATION.
M23	INSTALL TERMINAL BOX IN ACCESSIBLE LOCATION PER DETAIL INDICATED. INSTALL SALVAGED VAV CONTROLLER AND THERMOSTAT FROM EXISTING BOX TO THIS NEW UNIT.
M24	THE NEW PIPING INTO EXISTING AT THIS LOCATION.
M25	INSTALL EXISTING DIFFUSER SALVAGED FROM DEMOLITION IN THIS LOCATION. DIFFUSER TO BE CLEANED BEFORE INSTALLATION IN NEW LOCATION.
M26	MAKE FLEX CONNECTION TO EXISTING DUCT BRANCH AS SHOWN.
M29	LOCATION OF EXISTING OPENING IN ROOF FOR PRESSURE RELIEF FANS. SHOWN FOR REFERENCE ONLY.
M30	INSTALL FABRICATED SOUND TRANSFER ABOVE THE CEILING PER THE DETAIL INDICATED.
M31	PROVIDE AND INSTALL KITCHEN HOOD SYSTEMS PER THE SCHEDULES AND DETAILS INDICATED ON THE K-SHEETS. INSTALL IN STRICT COMPLIANCE WITH MANUFACTURERS REQUIREMENTS.
M33	INSTALL DRYER DUCT BEHIND DRYER AND ROUTE 4" DRYER DUCT UP THROUGH ROOF AND TERMINATE WITH GOOSENECK POINTED TOWARD THE EAST. THERE SHALL BE NO SCREWS USED IN THE DUCT FOR UNIT TO SNAG PER CODE. PROVIDE TRIMBLE AT ROOF LEVEL.
M34	ROUTE SUPPLY DUCT UP AND CONNECT TO MAKEUP AIR UNIT ON THE ROOF ABOVE.



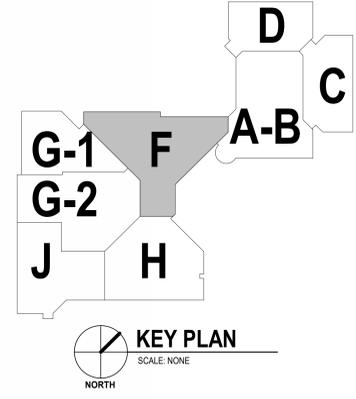
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2 DINING RETURN SECTION - FRONT
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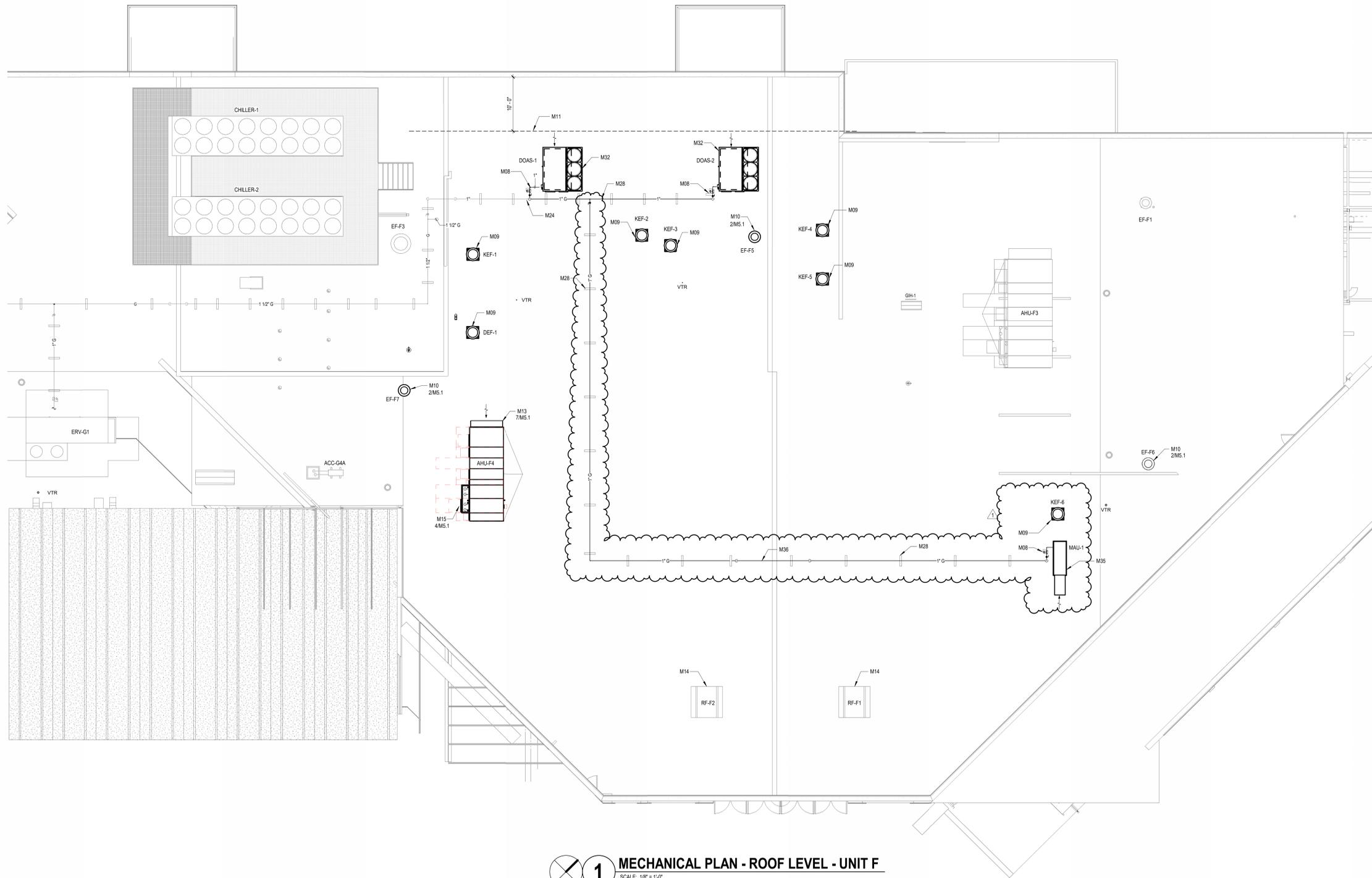


1 MECHANICAL PLAN - MAIN LEVEL - UNIT F
 SCALE: 1/8" = 1'-0"



KEY PLAN
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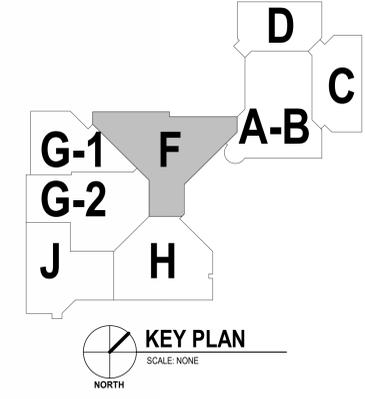
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1 MECHANICAL PLAN - ROOF LEVEL - UNIT F
SCALE: 1/8" = 1'-0"

- GENERAL MECHANICAL NOTES**
- PAINT ALL EXTERIOR GAS PIPING WITH 2 COATS OF SAFETY YELLOW ENAMEL PAINT WITH RUSTOLEUM PRIMER.
 - MECHANICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE THE INSTALLATION OF THE DUCT AND PIPING SYSTEMS. LAYOUTS ARE SCHEMATIC IN NATURE AND PROVIDE GENERAL ROUTING SOLUTIONS. CONTRACTOR SHALL COORDINATE ALL ROUTES ON SITE.
 - ALL DUCTS SHALL BE SEALED AND INSULATED PER SPECIFICATIONS.
 - INSTALL ALL DUCTS AND PIPING AS HIGH AS POSSIBLE TO ALLOW FOR CLEARANCE WITH CEILINGS AND OTHER TRADES.
 - SEE THE REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL DIFFUSERS IN THE CEILINGS.
 - CONTRACTOR SHALL COORDINATE WITH THE PHASING PLANS ON THE G SHEETS FOR WHEN EQUIPMENT, PIPING AND FIXTURES SHALL BE REMOVED AND REPLACED.
 - CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR DEMOLITION AND PATCH OF ALL CEILINGS, WALLS, FLOORS AND ROOFS WHERE PIPING AND EQUIPMENT NEED TO BE INSTALLED WITH A MATERIAL MATCHING THE EXISTING CONSTRUCTION. MASONRY SHALL BE TOOTHED BACK IN AT ALL LOCATIONS WITH FULL SIZE UNITS. TYPICAL ALL AREAS.
 - PROVIDE ALL TAPS AND VALVES ON THE NEW MAINS AS PART OF PHASE 1 & 2 FOR FUTURE CONNECTIONS TO FUTURE PHASES. PROVIDE TIE-INS TO EXISTING LINES TO KEEP EXISTING EQUIPMENT OPERATIONAL DURING COLD WEATHER MONTHS.
 - PROVIDE ALL SENSOR WELLS FOR INSTALLATION OF TOC CONTROLS. COORDINATE WITH AUTOMATED LOGIC PRIOR TO THE BID FOR QUANTITIES AND LOCATIONS.

- MECHANICAL NOTES**
- M08 PROVIDE ISOLATION VALVE AND PRESSURE REGULATOR. PRESSURE REGULATOR SHALL REDUCE BUILDING NATURAL GAS PRESSURE TO PRESSURE REQUIRED BY MECHANICAL EQUIPMENT. MAKE FINAL CONNECTION TO EQUIPMENT.
 - M09 PROVIDE AND INSTALL KITCHEN EXHAUST FAN ON ROOF IN THIS LOCATION. LOCATE BETWEEN STRUCTURAL MEMBERS AND PROVIDE ANY ADDITIONAL FRAMING TO SUPPORT FAN AS NEEDED. SEE K SHEETS FOR EQUIPMENT INFORMATION AND DETAILS.
 - M10 INSTALL EXHAUST FAN PER DETAIL INDICATED.
 - M11 INSTALL ALL ROOFTOP EQUIPMENT A MINIMUM OF 10' AWAY FROM THE EDGE OF THE ROOF.
 - M13 INSTALL AIR HANDLING UNIT ON PERIMETER ROOF CURB AT THIS LOCATION. COORDINATE STRUCTURAL SUPPORT WITH STRUCTURAL DRAWINGS. INSTALL SIMILAR TO DETAIL INDICATED. PROVIDE ADDITIONAL PIPING CURBS FOR POWER AND CONTROL WIRING AS REQUIRED. MODIFY ROOFING AND STRUCTURE AS REQUIRED.
 - M14 EXISTING FAN POWERED RELIEF VENTILATORS AND CONTROLS TO REMAIN.
 - M15 ROUTE HOT AND CHILLED WATER PIPING UP THROUGH AIR HANDLER PIPING VESTIBULE AND CONNECT TO COIL CONNECTIONS ON THE UNIT. PIPING VESTIBULE SHALL HAVE FULL PERIMETER CURB AROUND IT AND HAVE THE BOTTOM OPEN TO THE PLENUM SPACE BELOW TO ALLOW HEAT TO RISE UP INTO THE VESTIBULE. SEE DETAIL INDICATED FOR PIPING CONNECTIONS TO UNITS. CONTROL VALVES AND TRIM TO BE INSTALLED ABOVE CEILING, BELOW UNITS.
 - M24 TIE NEW PIPING INTO EXISTING AT THIS LOCATION.
 - M28 ROUTE NEW GAS PIPING ON DURABLOCK ROOF SUPPORTS WITH INTEGRAL STRUT TO MATCH EXISTING SUPPORTS. PAINT ALL NEW GAS PIPING SAFETY YELLOW.
 - M32 PROVIDE AND INSTALL DOAS UNIT FOR KITCHEN MAKEUP AIR ON PERIMETER ROOF CURB AT THIS LOCATION. COORDINATE STRUCTURAL SUPPORT WITH STRUCTURAL DRAWINGS. INSTALL SIMILAR TO DETAIL INDICATED. PROVIDE ADDITIONAL PIPING CURBS FOR POWER AND CONTROL WIRING AS REQUIRED. MODIFY ROOFING AND STRUCTURE AS REQUIRED. SEE KITCHEN HOOD SHEETS FOR SCHEDULE AND INFORMATION.
 - M35 PROVIDE AND INSTALL MAKEUP AIR UNIT FOR HOOD SYSTEM ON PERIMETER ROOF CURB AT THIS LOCATION. COORDINATE STRUCTURAL SUPPORT WITH STRUCTURAL DRAWINGS. INSTALL SIMILAR TO DETAIL INDICATED. PROVIDE ADDITIONAL PIPING CURBS FOR POWER AND CONTROL WIRING AS REQUIRED. MODIFY ROOFING AND STRUCTURE AS REQUIRED. SEE KITCHEN HOOD SHEETS FOR SCHEDULE AND INFORMATION.
 - M36 OFFSET GAS PIPING UP AND OVER ROOF EXPANSION JOINT. TYPICAL ALL AREAS.



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GENERAL AUXILIARY SYSTEM NOTES

- IT IS THE INTENT OF THIS PROJECT TO PROVIDE NEW PERIPHERAL FIRE ALARM DEVICES AS AN EXTENSION OF THE EXISTING SMPLEX-4100S FIRE ALARM SYSTEM TO COMPLETE A FULLY FUNCTIONAL FIRE ALARM SYSTEM THAT MEETS ALL CODE REQUIREMENTS. NEW DEVICES, CONTROL PANELS, EXTENSION PANELS, WIRING, AND ALL OTHER ASSOCIATED EQUIPMENT SHALL BE PROVIDED AS PART OF THIS PROJECT AS NEEDED DEVICES FROM RECENT WAYNE HIGH SCHOOL RENOVATION PROJECT TO BE REUSED IN THIS PROJECT ARE NOTED AS SUCH.
- PROVIDE NEW FIRE ALARM DEVICES WHERE NEEDED PER CODE. PROVIDE PROGRAMMING, SETUP AND TESTING OF FINAL INSTALLED SYSTEM BY MANUFACTURER AUTHORIZED VENDOR.
- NEW SECURITY CAMERAS SHOWN ON DRAWINGS SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT. EXISTING CAMERAS SHALL BE SUPPORTED DURING REMOVAL OF CEILING BY ELECTRICAL CONTRACTOR, AND SHALL BE RE-INSTALLED IN SAME LOCATION, OR RELOCATED AS SHOWN ON ELECTRICAL DEMOLITION PLANS. STRUCTURED CABLING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW NETWORK CABLE DROP TO ALL NEW AND EXISTING CAMERA LOCATIONS FROM MODIFIED RACK TO CAMERA LOCATION.
- ALL LOW VOLTAGE CABLING FOR TELECOMMUNICATIONS, INTERCOM, FIRE ALARM, TEMPERATURE CONTROLS AND SECURITY SHALL BE ROUTED NEATLY THROUGH J-HOOKS, WALL MOUNTED ABOVE CEILING IN MAIN CORRIDORS. SEE DETAIL FOR MORE INFORMATION.
- ALL EXISTING CLOCKS INSTALLED IN MASONRY WALLS TO REMAIN, INCLUDING CONDUIT, WIRE AND BACKBOXES, SHALL BE DEMOLISHED. MASONRY SHALL BE PATCHED WHERE BACKBOXES ARE REMOVED. NEW CLOCKS SHALL BE SELF CONTAINED BATTERY OPERATED, PROVIDED BY GEN CONTRACTOR.
- ABANDONED INTERCOM SYSTEM SHALL BE REMOVED IN ITS ENTIRETY AND REPLACED WITH NEW PERIPHERAL DEVICES AND WIRING. EACH SPACE SHALL BE ON A SEPARATE ADDRESSABLE ZONE. IF SPACE HAS EXISTING ZONE, NEW PERIPHERAL DEVICES MAY BE INTEGRATED INTO EXISTING ZONE.

GENERAL AUXILIARY SYSTEM NOTES

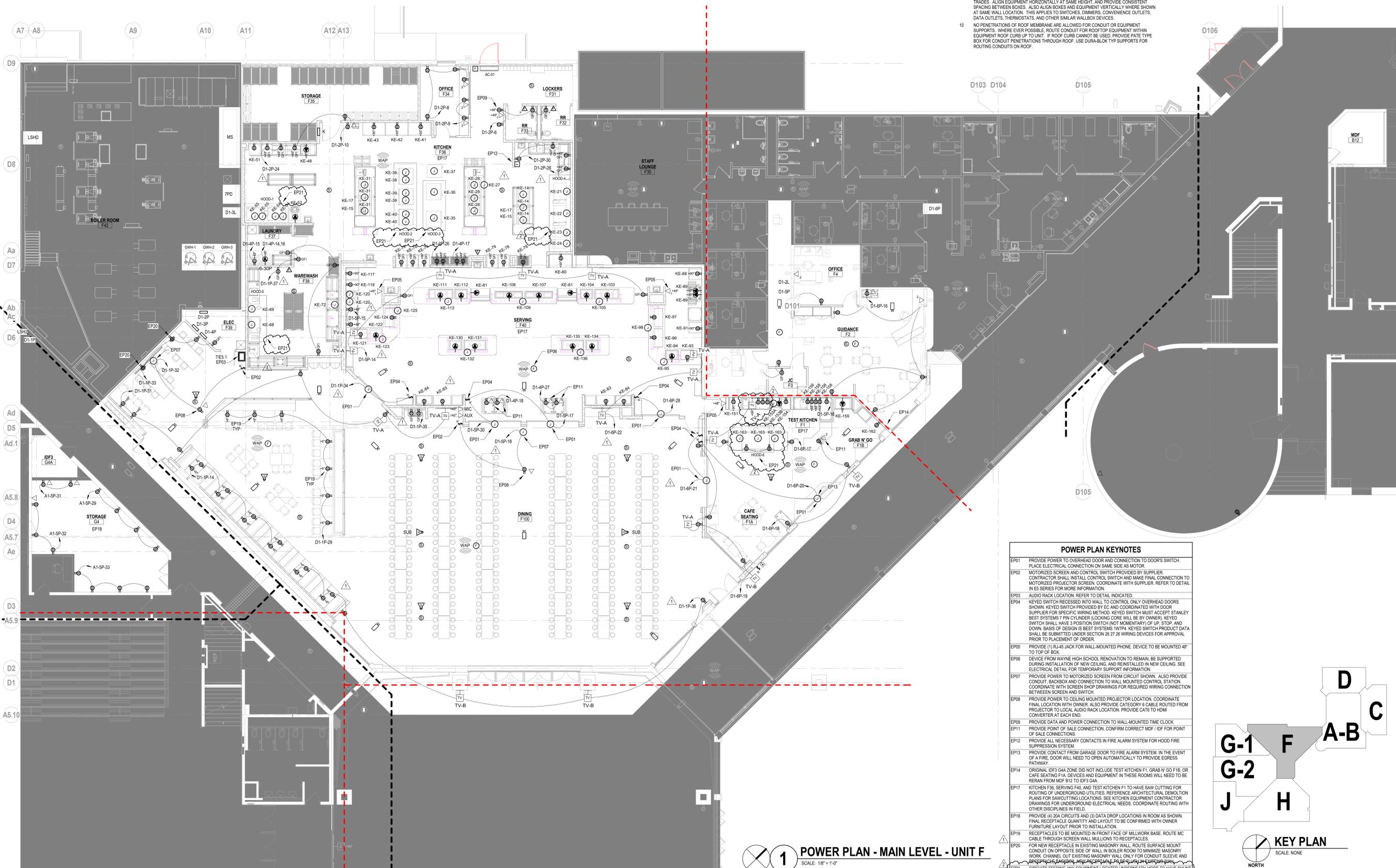
- NEW TELECOMMUNICATIONS DEVICES SHALL BE AN EXTENSION OF THE EXISTING TELECOMMUNICATIONS SYSTEM. NEW CAT 6 HORIZONTAL CABLING SHALL BE RAN TO DATA RECEPTACLES, WIRELESS ACCESS POINTS, SECURITY CAMERAS, PROJECTORS, AND OTHER DEVICES AS SHOWN ON PLANS.
- DURING DEMOLITION, ELECTRICAL CONTRACTOR SHALL PROVIDE SUPPORTS FOR EXISTING SECURITY CAMERAS AND WIRELESS ACCESS POINTS. SUPPORT SHALL INCLUDE BEAM CLAMP ATTACHED TO CEILING JOIST, THREADED ROD, AND 4" SQUARE METAL PLATE FOR ATTACHING CAMERA. SUPPORT SHALL BE LOCATED ABOVE HEIGHT OF NEW CEILING SO THAT GRID MAY BE INSTALLED WHILE CAMERA IS IN PLACE. WHEN CEILING PADS ARE INSTALLED, OWNERS CAMERA VENDOR SHALL REMOVE TEMPORARY SUPPORT, ATTACH PERMANENTLY TO NEW CEILING GRID AND CONNECT CAMERA TO NEW CABLE DROP FURNISHED BY STRUCTURED CABLING CONTRACTOR.
- RED LINES SHOWN ON PLANS INDICATE SEGREGATION OF IDF/MDF CLOSETS. ALL DEVICES AND EQUIPMENT WITHIN ONE AREA SHALL COME FROM THE SAME IDF/MDF ROOM.

GENERAL ELECTRICAL NOTES

- THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE NEC AND ALL STATE AND LOCAL CODES.
- EACH CONDUIT RUN SHALL HAVE A SEPARATE INSULATED GROUND WIRE.
- ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTORS. SHARING OF NEUTRAL WIRES IS NOT ACCEPTABLE.
- FIELD VERIFY ALL NEW AND EXISTING CIRCUITS AND PROVIDE UPDATED TYPED CIRCUIT DIRECTORIES IN ALL PANELBOARDS. ALL CIRCUIT DIRECTORIES SHALL BE UPDATED AT THE END OF EACH PHASE OF CONSTRUCTION.
- CONDUCTORS FOR EXISTING TO REMAIN BRANCH CIRCUITS IN EXISTING PANELS MAY BE RE-USED AND CONNECTED TO NEW BRANCH CIRCUIT BREAKERS, WITH EXISTING THW OR THHN WIRE. PROVIDE RESISTANCE TESTING ON WIRE TO ENSURE IT IS IN GOOD CONDITION PRIOR TO RE-USING. THIS APPLIES ONLY TO EXISTING TO REMAIN EQUIPMENT AND DEVICES. ALL NEW EQUIPMENT SHALL BE FED WITH NEW BRANCH CIRCUIT CONDUCTORS FROM PANELBOARDS.
- EXISTING BRANCH CIRCUITS FOR LIGHTS MAY BE RE-USED FOR POWER TO NEW LIGHT FIXTURES SHOWN ON LIGHTING PLANS. CONNECT EXISTING CIRCUITS TO NEW BRANCH CIRCUIT BREAKERS IN PANELBOARDS. PROVIDE RESISTANCE TESTING ON WIRE TO ENSURE IT IS IN GOOD CONDITION PRIOR TO RE-USING. ABOVE NO MORE THAN 14 AMP TO SINGLE 20A CIRCUIT.
- ALL EXISTING TO REMAIN WALL DEVICES ARE TO BE REPLACED WITH NEW DEVICE AND COVERTERATE TO MATCH NEW DEVICES. SEE WIRING DEVICES SPECIFICATION FOR FINISH INFORMATION.
- WHERE EXISTING PANELS ARE SHOWN TO BE REPLACED OR RELOCATED, AND EXISTING BRANCH CIRCUITS TO REMAIN ARE ROUTED DOWN INTO FLOOR SLAB, CONTRACTOR SHALL CUT FLOOR SLAB AS REQUIRED TO EXTEND AND TERMINATE CONDUIT ON NEW PANEL. TUB AND REPLACE BRANCH CIRCUIT WIRING AS REQUIRED TO ACCOMMODATE NEW PANEL LOCATION IN MANY INSTANCES, IT MAY NOT BE POSSIBLE TO EXTEND EXISTING BRANCH CIRCUITS BECAUSE OF THE INSTALLATION IN UNDER SLAB, SO THE FIRST DEVICE DOWNSTREAM MAY NEED RE-FED WITH NEW WIRING.
- COORDINATE ROUGH-IN LOCATIONS FOR WALLBOX TYPE DEVICES WITH OTHER SYSTEMS AND TRADES. ALIGN EQUIPMENT HORIZONTALLY AT SAME HEIGHT AND PROVIDE CONSISTENT SPACING BETWEEN BOXES. ALSO ALIGN BOXES AND EQUIPMENT VERTICALLY WHERE SHOWN AT SAME WALL LOCATION. THIS APPLIES TO SWITCHES, DIMMERS, CONVENIENCE OUTLETS, DATA OUTLETS, THERMOSTATS, AND OTHER SIMILAR WALLBOX DEVICES.
- NO PENETRATIONS OF ROOF MEMBRANE ARE ALLOWED FOR CONDUIT OR EQUIPMENT SUPPORTS. WHERE EVER POSSIBLE, ROUTE CONDUIT FOR ROOFTOP EQUIPMENT WITHIN EQUIPMENT ROOF CURB UP TO UNIT. IF ROOF CURB CANNOT BE USED, PROVIDE RATE TYPE BOX FOR CONDUIT PENETRATIONS THROUGH ROOF. USE DURAB-BOX TYP SUPPORTS FOR ROUTING CONDUITS ON ROOF.

GENERAL ELECTRICAL NOTES

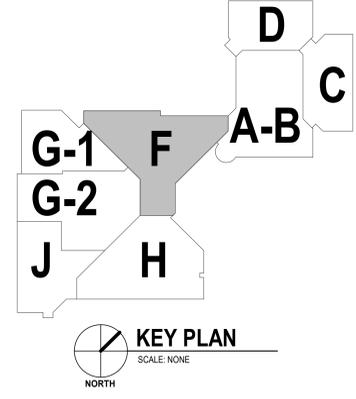
- ALL EXISTING CAMERAS SHALL BE KEPT IN PLACE DURING CONSTRUCTION UNTIL PHASE IS COMPLETE AND NEW CEILING ARE IN PLACE. FOR TEMPORARY INSTALLATION, E.C. SHALL PROVIDE PLYWOOD OR UNISTRUT SUPPORT, PARALLEL TO FLOOR, HUNG FROM STRUCTURE ABOVE. FOR MOUNTING CAMERA TO THIS SUPPORT PLANE SHALL BE INSTALLED 4" - 6" ABOVE NEW CEILING HEIGHT, AND CARE SHOULD BE TAKEN TO MAINTAIN AIMING OF CAMERAS. REINSTALL EXISTING CAMERAS IN NEW CEILING GRID OR BULKHEAD.
- THE USE OF SURFACE RACEWAY IN PUBLIC FACING AREAS, INCLUDING, BUT NOT LIMITED TO, THE COMMONS, GYMNASIUMS, NEW TECH COMMONS, CAFETERIA, AUDITORIUM AND STUDENT HUB, IS NOT ACCEPTABLE. IN OTHER AREAS SUCH AS CLASSROOMS, OFFICES, ETC. SURFACE RACEWAY MAY BE USED ON EXISTING BLOCK WALLS. RACEWAY SHALL BE NEW - DO NOT REUSE EXISTING SURFACE RACEWAY AND/OR DEVICES.
- PA SPEAKERS, AV SPEAKERS, WIRELESS ACCESS POINTS, FIRE ALARM NOTIFICATION DEVICES, OCCUPANCY SENSORS, LIGHT SWITCHES, AND TAGGED LIGHT FIXTURES THAT ARE SHOWN TO BE DEMOLISHED FROM RECENT WAYNE HIGH SCHOOL RENOVATION TO BE REUSED IN NEW LOCATIONS REFER TO POWER AND LIGHTING PLAN FOR NEW LOCATIONS. IF ADDITIONAL DEVICES ARE REQUIRED, CONTRACTOR SHALL PROVIDE PRODUCTS OF MATCHING MANUFACTURER AND MODEL NUMBER.
- THE FOLLOWING EQUIPMENT AND APPROXIMATE QUANTITIES WILL BE PROVIDED BY THE OWNER BUT INSTALLED BY ELECTRICAL CONTRACTOR. ADDITIONAL DEVICES REQUIRED SHALL BE PROVIDED BY CONTRACTOR AND BE OF MATCHING MANUFACTURER AND MODEL NUMBER: (14) OCCUPANCY SENSORS, (51) F1 LIGHT FIXTURES, (1) EXIT SIGN, (6) POWER PACKS, (5) EMERGENCY POWER PACKS, (6) SW2 ON/OFF SWITCHES WITH INTEGRAL OCCUPANCY SENSOR, AND (7) SW3 ON/OFF SWITCHES. THIS EQUIPMENT IS SEPARATE FROM EQUIPMENT SHOWN ON DEMOLITION PLANS TO BE DELETED.
- PROVIDE UNIT PRICE FOR ELECTRICAL CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS IN THEIR ENTIRETY: (1) PANELBOARD K, (5) F1 LIGHT FIXTURES, (6) SW2 ON/OFF SWITCHES WITH INTEGRAL OCCUPANCY SENSOR, AND (7) SW3 ON/OFF SWITCHES.



POWER PLAN KEYNOTES

- PROVIDE POWER TO OVERHEAD DOOR AND CONNECTION TO DOORS SWITCH. PLACE ELECTRICAL CONNECTION ON SAME SIDE AS MOTOR.
- MOTORIZED SCREEN AND CONTROL SWITCH PROVIDED BY SUPPLIER. CONTRACTOR SHALL INSTALL CONTROL SWITCH AND MAKE FINAL CONNECTION TO MOTORIZED PROJECTOR SCREEN. COORDINATE WITH SUPPLIER. REFER TO DETAIL IN E5 SERIES FOR MORE INFORMATION.
- AUDIO RACK LOCATION. REFER TO DETAIL INDICATED.
- KEYED SWITCH RECESSED INTO WALL TO CONTROL ONLY OVERHEAD DOORS SHOWN. KEYED SWITCH PROVIDED BY EC AND COORDINATED WITH DOOR SUPPLIER FOR SPECIFIC WIRING METHOD. KEYED SWITCH MUST ACCEPT STANLEY BEST SYSTEMS 7 PIN OVER UNDER LOCKING CORE WILL BE BY OWNER. KEYED SWITCH SHALL HAVE 3 POSITION SWITCH (NOT MOMENTARY) OF UP, STOP, AND DOWN. BASIS OF DESIGN IS BEST SYSTEMS 11/19A. KEYED SWITCH PRODUCT DATA SHALL BE SUBMITTED UNDER SECTION 25 27 28 WIRING DEVICES FOR APPROVAL PRIOR TO PLACEMENT OF ORDER.
- PROVIDE (1) RJ-45 JACK FOR WALL-MOUNTED PHONE. DEVICE TO BE MOUNTED 48" TO TOP OF BOX.
- DEVICE FROM WAYNE HIGH SCHOOL RENOVATION TO REMAIN. BE SUPPORTED DURING INSTALLATION OF NEW CEILING, AND REINSTALLED IN NEW CEILING. SEE ELECTRICAL DETAIL FOR TEMPORARY SUPPORT INFORMATION.
- PROVIDE POWER TO MOTORIZED SCREEN FROM CIRCUIT SHOWN. ALSO PROVIDE CONDUIT, BACKBOX AND CONNECTION TO WALL MOUNTED CONTROL STATION. COORDINATE WITH SCREEN SHOP DRAWINGS FOR REQUIRED WIRING CONNECTION BETWEEN SCREEN AND SWITCH.
- PROVIDE POWER TO CEILING MOUNTED PROJECTOR LOCATION. COORDINATE FINAL LOCATION WITH OWNER. ALSO PROVIDE CATEGORY 6 CABLE ROUTED FROM PROJECTOR TO LOCAL AUDIO RACK LOCATION. PROVIDE CAT6 TO HDMI CONVERTER AT EACH END.
- PROVIDE DATA AND POWER CONNECTION TO WALL-MOUNTED TIME CLOCK.
- PROVIDE POINT OF SALE CONNECTION. CONFIRM CORRECT MDF / IDF FOR POINT OF SALE CONNECTIONS.
- PROVIDE ALL NECESSARY CONTACTS IN FIRE ALARM SYSTEM FOR HOOD FIRE SUPPRESSION SYSTEM.
- PROVIDE CONTACT FROM GARAGE DOOR TO FIRE ALARM SYSTEM. IN THE EVENT OF A FIRE, DOOR WILL NEED TO OPEN AUTOMATICALLY TO PROVIDE EGRESS PATHWAY.
- ORIGINAL IDF3 G44 ZONE DID NOT INCLUDE TEST KITCHEN F1, GRAB N' GO F1B, OR CAFE SEATING F1A. DEVICES AND EQUIPMENT IN THESE ROOMS WILL NEED TO BE RERAN FROM MDF B12 TO IDF3 G44.
- KITCHEN F36, SERVING F40, AND TEST KITCHEN F1 TO HAVE SAW CUTTING FOR ROUTING OF UNDERGROUND UTILITIES. REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR SAWCUTTING LOCATIONS. SEEK KITCHEN EQUIPMENT CONTRACTOR DRAWINGS FOR UNDERGROUND ELECTRICAL NEEDS. COORDINATE ROUTING WITH OTHER DISCIPLINES IN FIELD.
- PROVIDE (4) 20A CIRCUITS AND (3) DATA DROP LOCATIONS IN ROOM AS SHOWN. FINAL RECEPTACLE QUANTITY AND LOCATION TO BE CONFIRMED WITH OWNER FURNITURE LAYOUT PRIOR TO INSTALLATION.
- RECEPTACLES TO BE MOUNTED IN FRONT FACE OF MILLWORK BASE. ROUTE MC CABLE THROUGH SCREEN WALL MILLWORKS TO RECEPTACLES.
- FOR NEW RECEPTACLE IN EXISTING MASONRY WALL, ROUTE SURFACE MOUNT CONDUIT ON OPPOSITE SIDE OF WALL IN BOILER ROOM TO MINIMIZE MASONRY WORK. CHANNEL CUT EXISTING MASONRY WALL ONLY FOR CONDUIT SLEEVE AND RECEPTACLE BASEBOX. NEW RECEPTACLE TO BE PLUMB IN EXISTING WALL.
- CIRCUITS FEEDING ANY EQUIPMENT LOCATED UNDERNEATH HOOD TO HAVE SHUNT TRIP BREAKERS.

1 POWER PLAN - MAIN LEVEL - UNIT F
SCALE: 1/8" = 1'-0"



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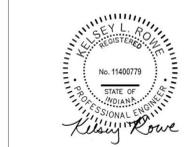
Fort Wayne Community Schools
WHS DINING & KITCHEN
9100 Winchester Road
Fort Wayne, IN 46819
PROJECT: 2023.02.02

Professional Engineer Seal for Kelley Rowe, No. 11400779, State of Indiana, Mechanical Engineering.

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2	11/04/2024	ADD-3



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POWER PLAN - ROOF

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GENERAL ELECTRICAL NOTES

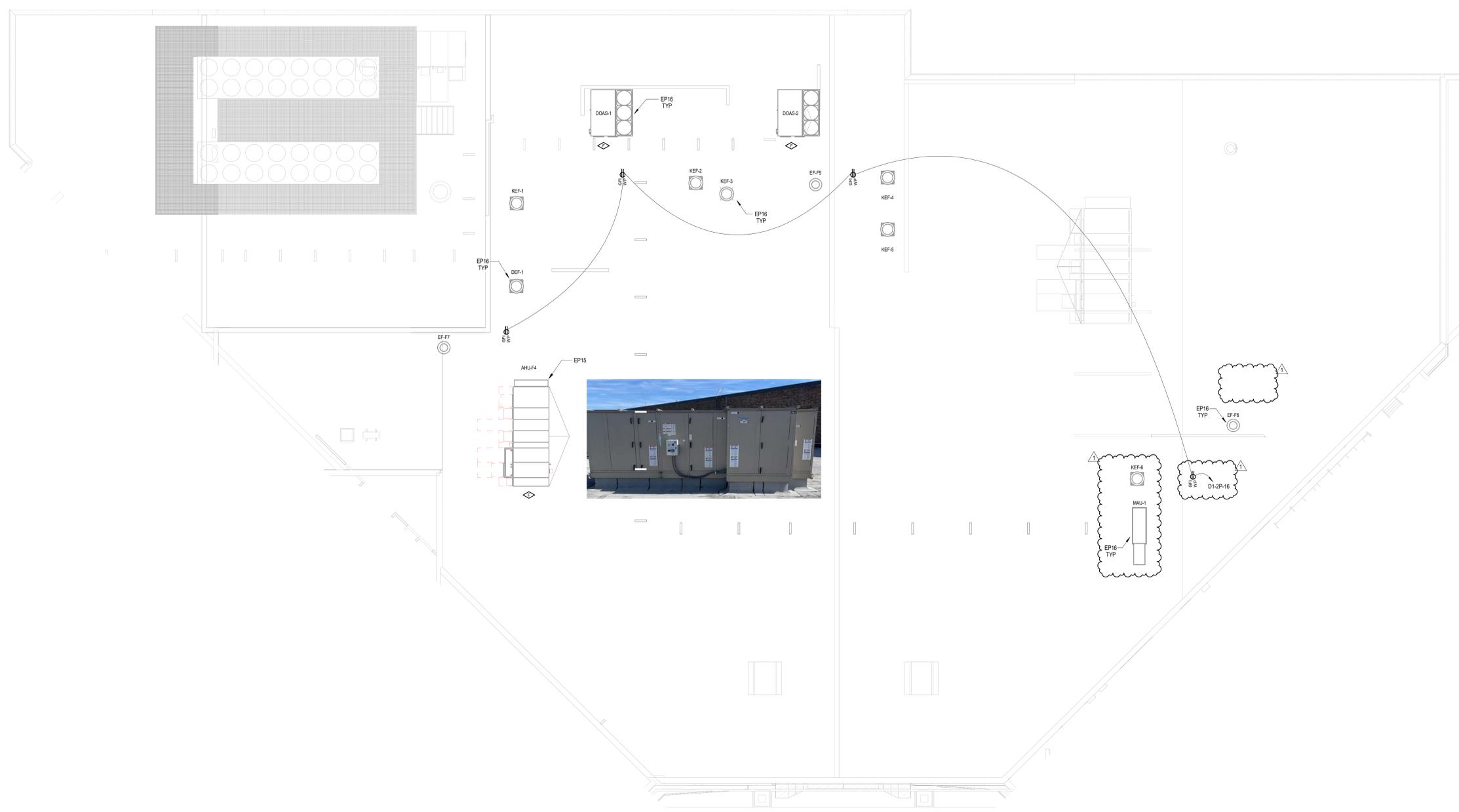
- THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE NEC AND ALL STATE AND LOCAL CODES.
- EACH CONDUIT RUN SHALL HAVE A SEPARATE INSULATED GROUND WIRE.
- ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTORS. SHARING OF NEUTRAL WIRES IS NOT ACCEPTABLE.
- FIELD VERIFY ALL NEW AND EXISTING CIRCUITS AND PROVIDE UPDATED TYPED CIRCUIT DIRECTORIES IN ALL PANELBOARDS. ALL CIRCUIT DIRECTORIES SHALL BE UPDATED AT THE END OF EACH PHASE OF CONSTRUCTION.
- CONDUCTORS FOR EXISTING TO REMAIN BRANCH CIRCUITS IN EXISTING PANELS MAY BE RE-USED AND CONNECTED TO NEW BRANCH CIRCUIT BREAKERS WITH EXISTING THIN OR THIN WIRE. PROVIDE RESISTANCE TESTING ON WIRE TO ENSURE IT IS IN GOOD CONDITION PRIOR TO RE-USING. THIS APPLIES ONLY TO EXISTING TO REMAIN EQUIPMENT AND DEVICES. ALL NEW EQUIPMENT SHALL BE FED WITH NEW BRANCH CIRCUIT CONDUCTORS FROM PANELBOARDS.
- EXISTING BRANCH CIRCUITS FOR LIGHTS MAY BE RE-USED FOR POWER TO NEW LIGHT FIXTURES SHOWN ON LIGHTING PLANS. CONNECT EXISTING CIRCUITS TO NEW BRANCH CIRCUIT BREAKERS IN PANELBOARDS. PROVIDE RESISTANCE TESTING ON WIRE TO ENSURE IT IS IN GOOD CONDITION PRIOR TO RE-USING. CONNECT NO MORE THAN 16 AMPS TO SINGLE 20A CIRCUIT.
- ALL EXISTING TO REMAIN WALL DEVICES ARE TO BE REPLACED WITH NEW DEVICE AND COVERPLATE TO MATCH NEW DEVICES. SEE WIRING DEVICES SPECIFICATION FOR FINISH INFORMATION.
- WHERE EXISTING PANELS ARE SHOWN TO BE REPLACED OR RELOCATED, AND EXISTING BRANCH CIRCUITS TO REMAIN ARE ROUTED DOWN INTO FLOOR SLAB, CONTRACTOR SHALL CUT FLOOR SLAB AS REQUIRED TO EXTEND AND TERMINATE CONDUIT ON NEW PANEL TUB, AND REPLACE BRANCH CIRCUIT WIRING AS REQUIRED TO ACCOMMODATE NEW PANEL LOCATION. IN MANY INSTANCES, IT MIGHT NOT BE POSSIBLE TO EXTEND EXISTING BRANCH CIRCUITS BECAUSE OF THE INSTALLATION IN UNDER SLAB, SO THE FIRST DEVICE DOWNSTREAM MAY NEED RE-FED WITH NEW WIRING.
- COORDINATE ROUGH-IN LOCATIONS FOR WALLBOX TYPE DEVICES WITH OTHER SYSTEMS AND TRACES. ALIGN EQUIPMENT HORIZONTALLY AT SAME HEIGHT, AND PROVIDE CONSISTENT SPACING BETWEEN BOXES. ALSO ALIGN BOXES AND EQUIPMENT VERTICALLY WHERE SHOWN AT SAME WALL LOCATION. THIS APPLIES TO SWITCHES, DIMMERS, CONVENIENCE OUTLETS, DATA OUTLETS, THERMOSTATS, AND OTHER SIMILAR WALLBOX DEVICES.
- NO PENETRATIONS OF ROOF MEMBRANE ARE ALLOWED FOR CONDUIT OR EQUIPMENT SUPPORTS. WHERE EVER POSSIBLE, ROUTE CONDUIT FOR ROOFTOP EQUIPMENT WITHIN EQUIPMENT ROOF CURB UP TO UNIT. IF ROOF CURB CANNOT BE USED, PROVIDE PATE TYPE BOX FOR CONDUIT PENETRATIONS THROUGH ROOF. USE DURABLOK TYP SUPPORTS FOR ROUTING CONDUITS ON ROOF.
- ALL EXISTING CAMERAS SHALL BE KEPT IN PLACE DURING CONSTRUCTION UNTIL PHASE IS COMPLETE AND NEW CEILING ARE IN PLACE. FOR TEMPORARY INSTALLATION, E.G. SHALL PROVIDE PLYWOOD OR UNISTRUT SUPPORT, PARALLEL TO FLOOR, HUNG FROM STRUCTURE ABOVE. FOR MOUNTING CAMERA TO THIS SUPPORT PLANE SHALL BE INSTALLED 4" - 6" ABOVE NEW CEILING HEIGHT, AND CARE SHOULD BE TAKEN TO MAINTAIN MINING OF CAMERAS. REINSTALL EXISTING CAMERAS IN NEW CEILING GRID OR BULKHEAD.
- THE USE OF SURFACE RACEWAY IN PUBLIC FACING AREAS, INCLUDING, BUT NOT LIMITED TO, THE COMMONS, GYMNASIUMS, NEW TECH COMMONS, CAFETERIA, AUDITORIUM AND STUDENT HUB, IS NOT ACCEPTABLE. IN OTHER AREAS SUCH AS CLASSROOMS, OFFICES, ETC. SURFACE RACEWAY MAY BE USED ON EXISTING BLOCK WALLS. RACEWAY SHALL BE NEW - DO NOT REUSE EXISTING SURFACE RACEWAY AND/OR DEVICES.
- PA SPEAKERS, AV SPEAKERS, WIRELESS ACCESS POINTS, FIRE ALARM NOTIFICATION DEVICES, OCCUPANCY SENSORS, LIGHT SWITCHES, AND TAGGED LIGHT FIXTURES THAT ARE SHOWN TO BE DEMOLISHED FROM RECENT WAYNE HIGH SCHOOL RENOVATION TO BE REUSED IN NEW LOCATIONS. REFER TO POWER AND LIGHTING PLAN FOR NEW LAYOUTS. IF ADDITIONAL DEVICES ARE REQUIRED, CONTRACTOR SHALL PROVIDE PRODUCTS OF MATCHING MANUFACTURER AND MODEL NUMBER.
- THE FOLLOWING EQUIPMENT AND APPROXIMATE QUANTITIES WILL BE PROVIDED BY THE OWNER BUT INSTALLED BY ELECTRICAL CONTRACTOR. ADDITIONAL DEVICES REQUIRED SHALL BE PROVIDED BY CONTRACTOR AND BE OF MATCHING MANUFACTURER AND MODEL NUMBER: (14) OCCUPANCY SENSORS, (51) F1 LIGHT FIXTURES, (1) EXIT SIGN, (6) POWER PACKS, (5) EMERGENCY POWER PACKS, (6) SW2 ON/OFF SWITCHES WITH INTEGRAL OCCUPANCY SENSOR, AND (7) SW3 ON/OFF SWITCHES. THIS EQUIPMENT IS SEPARATE FROM EQUIPMENT SHOWN ON DEMOLITION PLANS TO BE REUSED.
- PROVIDE UNIT PRICE FOR ELECTRICAL CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS IN THEIR ENTIRETY: (1) PANELBOARD K, (5) F1 LIGHT FIXTURES, (6) SW2 ON/OFF SWITCHES WITH INTEGRAL OCCUPANCY SENSOR, AND (7) SW3 ON/OFF SWITCHES.

GENERAL AUXILIARY SYSTEM NOTES

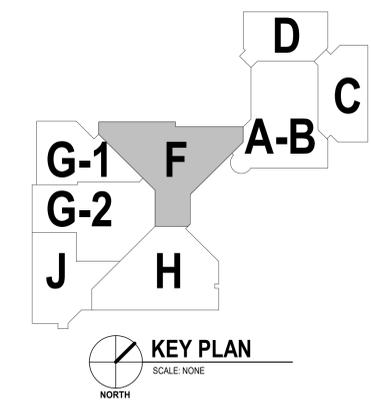
- IT IS THE INTENT OF THIS PROJECT TO PROVIDE NEW PERIPHERAL FIRE ALARM DEVICES AS AN EXTENSION OF THE EXISTING SIMPLEX 4105S FIRE ALARM SYSTEM TO COMPLETE A FULLY FUNCTIONAL FIRE ALARM SYSTEM THAT MEETS ALL CODE REQUIREMENTS. NEW DEVICES, CONTROL PANELS, EXTENSION PANELS, WIRING, AND ALL OTHER ASSOCIATED EQUIPMENT SHALL BE PROVIDED AS PART OF THIS PROJECT AS NEEDED. DEVICES FROM RECENT WAYNE HIGH SCHOOL RENOVATION PROJECT TO BE REUSED IN THIS PROJECT ARE NOTED AS SUCH.
- PROVIDE NEW FIRE ALARM DEVICES WHERE NEEDED PER CODE. PROVIDE PROGRAMMING, SETUP AND TESTING OF FINAL INSTALLED SYSTEM BY MANUFACTURER AUTHORIZED VENDOR.
- NEW SECURITY CAMERAS SHOWN ON DRAWINGS SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT. EXISTING CAMERAS SHALL BE SUPPORTED DURING REMOVAL OF CEILING BY ELECTRICAL CONTRACTOR, AND SHALL BE RE-INSTALLED IN SAME LOCATION, OR RELOCATED AS SHOWN ON ELECTRICAL DEMOLITION PLANS. STRUCTURED CABLING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW NETWORK CABLE DROP TO ALL NEW AND EXISTING CAMERA LOCATIONS FROM MDF/IDF RACK TO CAMERA LOCATION.
- ALL LOW VOLTAGE CABLING FOR TELECOMMUNICATIONS, INTERCOM, FIRE ALARM, TEMPERATURE CONTROLS, AND SECURITY SHALL BE ROUTED NEATLY THROUGH J-HOOKS, WALL MOUNTED ABOVE CEILING IN MAIN CORRIDORS. SEE DETAIL FOR MORE INFORMATION.
- ALL EXISTING CLOCKS INSTALLED IN MASONRY WALLS TO REMAIN, INCLUDING CONDUIT, WIRE AND BACKBOXES, SHALL BE DEMOLISHED. MASONRY SHALL BE PATCHED WHERE BACKBOXES ARE REMOVED. NEW CLOCKS SHALL BE SELF CONTAINED BATTERY OPERATED. PROVIDED BY GEN CONTRACTOR.
- ABANDONED INTERCOM SYSTEM SHALL BE REMOVED IN ITS ENTIRETY AND REPLACED WITH NEW PERIPHERAL DEVICES AND WIRING. EACH SPACE SHALL BE ON A SEPARATE ADDRESSABLE ZONE. IF SPACE HAS EXISTING ZONE, NEW PERIPHERAL DEVICES MAY BE INTEGRATED INTO EXISTING ZONE.
- NEW TELECOMMUNICATIONS DEVICES SHALL BE AN EXTENSION OF THE EXISTING TELECOMMUNICATIONS SYSTEM. NEW CAT 6 HORIZONTAL CABLING SHALL BE RAN TO DATA RECEPTACLES, WIRELESS ACCESS POINTS, SECURITY CAMERAS, PROJECTORS, AND OTHER DEVICES AS SHOWN ON PLANS.
- DURING DEMOLITION, ELECTRICAL CONTRACTOR SHALL PROVIDE SUPPORTS FOR EXISTING SECURITY CAMERAS AND WIRELESS ACCESS POINTS. SUPPORT SHALL INCLUDE BEAM CLAMP ATTACHED TO CEILING, JOIST, THREADED ROD, AND 4" SQUARE METAL PLATE FOR ATTACHING CAMERA. SUPPORT SHALL BE LOCATED ABOVE HEIGHT OF NEW CEILING SO THAT GRID MAY BE INSTALLED WHILE CAMERA IS IN PLACE. WHEN CEILING PADS ARE INSTALLED, OWNERS CAMERA VENDOR SHALL REMOVE TEMPORARY SUPPORT. ATTACH PERMANENTLY TO NEW CEILING GRID AND CONNECT CAMERA TO NEW CABLE DROP FURNISHED BY STRUCTURED CABLING CONTRACTOR.
- RED LINES SHOWN ON PLANS INDICATE SEGREGATION OF IDF/MDF CLOSETS. ALL DEVICES AND EQUIPMENT WITHIN ONE AREA SHALL COME FROM THE SAME IDF/MDF ROOM.

POWER PLAN KEYNOTES

- EP15 ELECTRICAL CONNECTION TO AHU TO RUN THROUGH AHU CURB AND CONNECT TO CONTROL BOX AS SHOWN IN ACCOMPANYING PHOTO. SEE MECHANICAL DETAIL FOR MORE INFORMATION.
- EP16 ELECTRICAL CONNECTION TO ROOFTOP MECHANICAL EQUIPMENT MUST RUN THROUGH EQUIPMENT CURB. NO ADDITIONAL CURBS OR ROOF PENETRATIONS WILL BE ALLOWED. SEE MECHANICAL DETAIL FOR MORE INFORMATION.

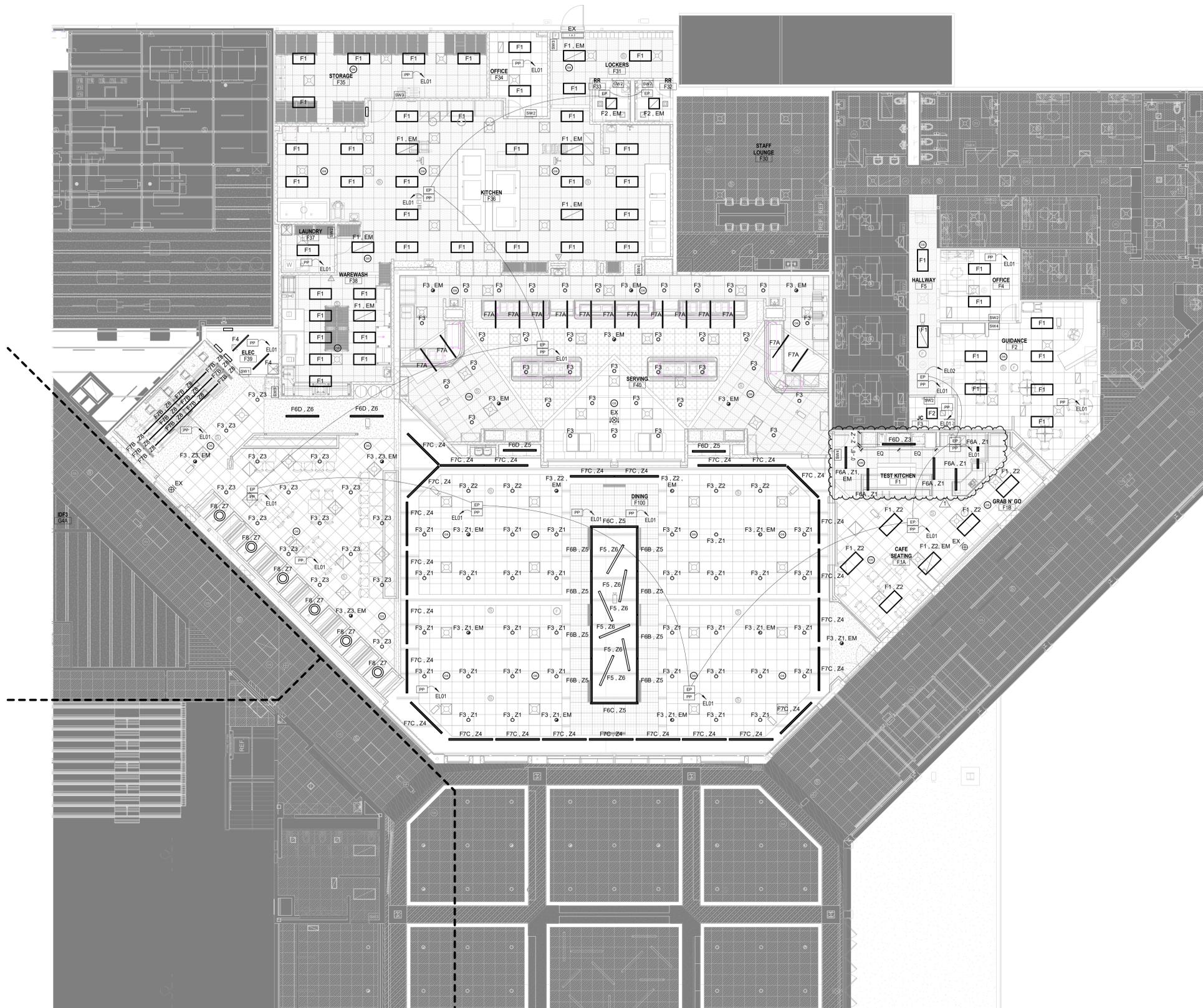


1 POWER PLAN - ROOF
 SCALE: 1/8" = 1'-0"
 NORTH



KEY PLAN
 SCALE: NONE
 NORTH

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1 LIGHTING PLAN - MAIN LEVEL - UNIT F
SCALE: 1/8" = 1'-0"

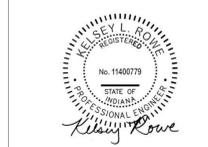
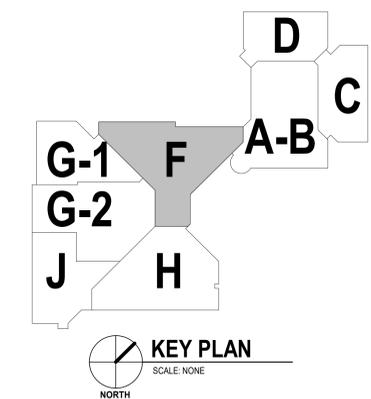
- GENERAL LIGHTING NOTES**
- CONNECT ALL EXIT SIGNS, SELF CONTAINED, BATTERY POWERED EMERGENCY LIGHTS UNSWITCHED TO LIFE SAFETY LIGHTING CIRCUIT IN THAT AREA, BYPASSING ALL SWITCHES OR CONTROLS.
 - IN AREAS WHERE FIXTURES ARE SHOWN TO BE DIMMED, CONTRACTOR SHALL RUN LOW VOLTAGE CONTROL CABLE TO EACH FIXTURE IN ADDITION TO LINE VOLTAGE WIRING. CONTROL WIRING MAY BE RUN USING OPEN CABLING.
 - LIGHT FIXTURES SHALL BE AS SCHEDULED OR APPROVED EQUAL 10 DAYS PRIOR TO BID. ALL LIGHTING CONTROLS TO BE SENSORWORKX BRAND TO MATCH EXISTING TO BE REUSED LIGHTING CONTROLS AND REST OF SCHOOL.
 - OCCUPANCY SENSORS SHALL HAVE SEPARATE LINE VOLTAGE RELAYS/POWER PACKS FOR CONTROL OF LIGHTING CIRCUIT AND LOW VOLTAGE WIRING CONNECTION TO SENSOR TO ALLOW FOR RELOCATION OR MULTIPLE SENSORS. SENSORS SHALL BE DUAL TECHNOLOGY TYPE.
 - OCCUPANCY SENSOR LOCATIONS ON PLANS ARE SHOWN TO INDICATE AREAS TO BE COVERED, AND LIGHTS TO BE CONTROLLED. OCCUPANCY SENSOR MANUFACTURER SHALL ADJUST LOCATIONS, QUANTITIES, AND SENSOR TYPES TO ENSURE PROPER COVERAGE OF ALL AREAS. PROVIDE ADDITIONAL SENSORS IF NEEDED TO COVER ENTIRE AREA. USE WALL MOUNTED, LONG THROW SENSORS FOR CORRIDORS WHERE APPLICABLE, AND CEILING MOUNTED SENSORS IN OTHER AREAS.
 - WALLBOX TYPE SENSORS SHALL HAVE INTEGRAL ON/OFF OVERRIDE SWITCH, ADJUSTABLE TIME DELAY, AND PROGRAMMABLE MODES OF OPERATION (MANUAL ON/AUTO OFF, AUTO ON/AUTO OFF, ETC). SENSORS SHALL BE CAPABLE OF BEING MASKED OFF TO PREVENT FALSE ON SIGNAL FROM CERTAIN AREAS OF COVERAGE.
 - E.C. SHALL PROVIDE ALL REQUIRED CABLING TO INTERCONNECT ALL CONTROL DEVICES, INCLUDING R4-45 PLUS ON ALL CABLES.
 - THE FOLLOWING EQUIPMENT AND APPROXIMATE QUANTITIES WILL BE PROVIDED BY THE OWNER BUT INSTALLED BY ELECTRICAL CONTRACTOR. ADDITIONAL DEVICES REQUIRED SHALL BE PROVIDED BY CONTRACTOR AND BE OF MATCHING MANUFACTURER AND MODEL NUMBER: (1) OCCUPANCY SENSORS, (5) F1 LIGHT FIXTURES, (1) EXIT SIGN, (8) POWER PACKS, (5) EMERGENCY POWER PACKS, (6) SW2 ON/OFF SWITCHES WITH INTEGRAL OCCUPANCY SENSOR, AND (7) SW3 ON/OFF SWITCHES. THIS EQUIPMENT IS SEPARATE FROM EQUIPMENT SHOWN ON ELECTRICAL PLAN TO BE REUSED.
- PROVIDE UNIT PRICE FOR ELECTRICAL CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS IN THEIR ENTIRETY: (1) PANELBOARD K, (5) F1 LIGHT FIXTURES, (6) SW2 ON/OFF SWITCHES WITH INTEGRAL OCCUPANCY SENSOR, AND (7) SW3 ON/OFF SWITCHES.

WALL SWITCH SCHEDULE

SWITCH ID	DESCRIPTION
1	ON/OFF SWITCH - NO AUTOMATIC CONTROLS
2	WALL BOX MOUNTED OCCUPANCY SENSOR WITH ON/OFF
3	ON/OFF WALL SWITCH OVERRIDE WITH CEILING OCCUPANCY SENSOR(S)
4	ON/OFF RAISE/LOWER WALL SWITCH OVERRIDE WITH CEILING OCCUPANCY SENSOR(S)
5	NPDM x4 SERIES SCENE SELECTOR - REFER TO DETAIL FOR WIRING AND NOTES FOR LIGHTING CONTROL IN THIS SPACE.

LIGHTING PLAN KEYNOTES

EL01	E.C. SHALL PROVIDE AND INSTALL ALL NECESSARY CABLING, BOXES, AND CONDUIT TO EXTEND OR REROUTE EXISTING BRANCH CIRCUIT AS REQUIRED TO CONNECT NEW LIGHT FIXTURES AND CONTROLS.
EL02	CONNECT EMERGENCY LIGHTS TO EXISTING GENERATOR-BACKED LIFE SAFETY CIRCUIT IN UNIT ON PANEL LSHD. SEE POWER PLAN FOR PANEL LOCATION.



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BID SET

ISSUE DATE: 9/13/2024

REVISIONS

NO.	DATE	DESCRIPTION
1	11/04/2024	ADD-3

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Branch Panel: D1-5P

Location: HALLWAY F5
Supply From: 4PD
Mounting: RECESSED
Enclosure: TYPE 1

Volts: 120/208
Phases: 3
Wires: 4

Mains Type: MLO
Mains Rating: 225 A

Notes:
PANEL D1-5P IS AN EXISTING TO REMAIN PANEL. SPACES 13-42 HAVE EXISTING 120V/1P 20A BREAKERS TO BE REUSED, OTHER BREAKERS NEEDED TO BE PROVIDED BY EC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	2	
3	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	4	
5	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	6	
7	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	8	
9	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	10	
11	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	12	
13	KE-154	20 A	1	0.60 kW	1.26 kW	--	1	20 A	RCPT ROOM F40	14	
15	RCPT SERVING F40	20 A	1	--	--	0.36 kW	0.18 kW	1	20 A	RCPT TEST KITCHEN F1	16
17	OVERHEAD DOOR	20 A	1	--	--	--	--	1	20 A	PROJECTOR	18
19	RCPT CONFERENCE F4	20 A	1	1.08 kW	1.14 kW	0.68 kW	0.86 kW	1	20 A	KE-151	20
21	KE-156	20 A	1	--	--	1.20 kW	1.73 kW	1	20 A	KE-80	22
23	KE-88	20 A	1	--	--	1.31 kW	1.92 kW	1	20 A	KE-162	24
25	KE-91	20 A	1	1.74 kW	1.50 kW	--	--	2	20 A	KE-159	26
27	KE-153B	20 A	2	--	--	1.60 kW	1.50 kW	1	20 A	OVERHEAD DOOR	28
29	20A EXISTING CIRCUIT	--	1	--	--	1.60 kW	0.68 kW	1	20 A	OVERHEAD DOOR	30
31	KE-163	50 A	2	4.65 kW	1.92 kW	--	--	1	20 A	KE-163	32
33	20A EXISTING SPARE	--	1	--	--	4.65 kW	1.98 kW	1	20 A	KE-158	34
35	KE-163	20 A	1	1.98 kW	2.50 kW	1.92 kW	1.98 kW	1	20 A	KE-158	36
37	KE-158	20 A	1	1.98 kW	2.50 kW	--	--	3	30 A	KE-153A	38
39	KE-83	20 A	1	--	--	2.10 kW	2.50 kW	1	20 A	OVERHEAD DOOR	40
41	KE-84	20 A	1	--	--	1.22 kW	2.50 kW	1	20 A	OVERHEAD DOOR	42
Total Load:				18.37 kW	17.80 kW	12.22 kW	2.50 kW	Total Amps: 157 A			
Total Amps:				157 A	152 A	122 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
KITCHEN EQUIP	36.90 kW	85.00%	28.29 kW	
POWER	1.50 kW	100.00%	1.50 kW	Total Conn. Load: 50.84 kW
RCPT	5.04 kW	100.00%	5.04 kW	Total Est. Demand: 37.23 kW
HVAC	5.40 kW	100.00%	5.40 kW	Total Conn. Current: 141 A
				Total Est. Demand Current: 103 A

Branch Panel: D1-2P

Location: ELEC F39
Supply From: 1PD
Mounting: RECESSED
Enclosure: TYPE 1

Volts: 120/208
Phases: 3
Wires: 4

Mains Type: MLO
Mains Rating: 225 A

Notes:
PANEL D1-2P AND BREAKERS FOR SPACES 1-20 TO BE PROVIDED BY OWNER FROM RECENT WAYNE HIGH SCHOOL RENOVATION. EXTEND AND RECONNECT EXISTING CIRCUITS TO REMAIN. BREAKERS NEEDED FOR SPACES 21 - 60 TO BE PROVIDED BY EC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	30A EXISTING CIRCUIT	--	2	--	--	--	1	--	20A EXISTING CIRCUIT	2	
3	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	4	
5	20A EXISTING CIRCUIT	--	1	--	--	1.58 kW	--	1	20 A	RCPT ROOM F36, F33, F32	6
7	KE-27	20 A	1	1.44 kW	0.72 kW	--	--	1	20 A	RCPT ROOM F34, EF-F5	8
9	RCPT OFFICE F34	20 A	1	--	0.36 kW	0.54 kW	--	1	20 A	RCPT KITCHEN F36	10
11	GWH-1, GWH-2, GWH-3	20 A	1	--	--	0.15 kW	1.92 kW	1	20 A	KE-31	12
13	KE-14	20 A	1	1.92 kW	0.20 kW	--	--	1	20 A	HOOD-1 (KE-53)	14
15	KE-51	20 A	1	--	1.83 kW	0.72 kW	--	1	20 A	ROOFTOP RCPT	16
17	KE-31	20 A	1	--	1.92 kW	0.20 kW	--	1	20 A	HOOD-5 (KE-67)	18
19	KE-28	20 A	1	1.92 kW	0.40 kW	--	--	2	20 A	DEF-1	20
21	EF-F6	20 A	1	--	0.86 kW	0.40 kW	--	--	--	--	22
23	KE-28	20 A	1	--	1.92 kW	0.36 kW	--	1	20 A	RCPT KITCHEN F36	24
25	KE-48	30 A	2	2.59 kW	0.36 kW	--	--	1	20 A	RCPT KITCHEN F36	26
27	--	--	--	2.59 kW	0.86 kW	--	--	1	20 A	EF-F7	28
29	KE-37	50 A	3	3.17 kW	0.36 kW	3.17 kW	0.36 kW	1	20 A	RCPT ROOM F36	30
31	--	--	--	3.17 kW	1.73 kW	--	--	1	20 A	KE-41	32
33	--	--	--	3.17 kW	1.92 kW	--	--	1	20 A	KE-14	34
35	KEF-3	20 A	2	--	0.40 kW	2.23 kW	--	1	20 A	KE-43	36
37	--	--	--	0.40 kW	1.73 kW	--	--	1	20 A	KE-42	38
39	KEF-4	20 A	2	--	0.54 kW	0.40 kW	--	2	20 A	KEF-1	40
41	--	--	--	--	--	0.54 kW	0.40 kW	--	--	--	42
43	AC-01	50 A	2	7.20 kW	0.54 kW	--	--	2	20 A	KEF-2	44
45	--	--	--	7.20 kW	0.54 kW	--	--	2	20 A	KEF-5	46
47	KE-14	30 A	2	2.50 kW	0.54 kW	2.50 kW	0.54 kW	2	20 A	KEF-5	48
49	--	--	--	2.50 kW	0.54 kW	--	--	2	20 A	KE-28	50
51	KE-31	30 A	2	2.50 kW	2.50 kW	--	--	2	30 A	KE-28	52
53	--	--	--	--	--	2.50 kW	2.50 kW	--	--	--	54
55	KE-72	30 A	3	3.20 kW	2.40 kW	--	--	3	20 A	KE-52	56
57	--	--	--	3.20 kW	2.40 kW	--	--	3	20 A	KE-52	58
59	--	--	--	--	--	3.20 kW	2.40 kW	--	--	--	60
Total Load:				32.95 kW	32.53 kW	28.78 kW	Total Amps: 279 A				
Total Amps:				279 A	276 A	240 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
KITCHEN EQUIP	66.47 kW	65.00%	43.20 kW	
RCPT	5.04 kW	100.00%	5.04 kW	Total Conn. Load: 94.26 kW
HVAC	22.75 kW	100.00%	22.75 kW	Total Est. Demand: 70.99 kW
				Total Conn. Current: 262 A
				Total Est. Demand Current: 197 A

Branch Panel: K

Location: KITCHEN F36
Supply From: MS
Mounting: RECESSED
Enclosure: TYPE 1

Volts: 277/480
Phases: 3
Wires: 4

Mains Type: MLO
Mains Rating: 400 A

Notes:
PANEL K AND 1(1) 20A/3P BREAKER TO BE PROVIDED BY OWNER FROM RECENT WAYNE HIGH SCHOOL RENOVATION. ALL OTHER BREAKERS NEEDED TO BE PROVIDED BY EC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	KE-21	60 A	3	14.67 kW	14.67 kW	--	--	3	60 A	KE-22	2
3	--	--	--	--	14.67 kW	14.67 kW	--	--	--	--	4
5	--	--	--	--	14.67 kW	14.67 kW	--	--	--	--	6
7	KE-23	40 A	3	10.50 kW	10.50 kW	--	--	3	40 A	KE-24	8
9	--	--	--	--	10.50 kW	10.50 kW	--	--	--	--	10
11	--	--	--	--	10.50 kW	10.50 kW	--	--	--	--	12
13	KE-35	90 A	3	22.63 kW	22.63 kW	10.50 kW	10.50 kW	3	90 A	KE-36	14
15	--	--	--	--	22.63 kW	22.63 kW	--	--	--	--	16
17	--	--	--	--	22.63 kW	22.63 kW	--	--	--	--	18
19	KE-38	40 A	3	7.47 kW	6.00 kW	--	--	3	20 A	KE-54	20
21	--	--	--	--	7.47 kW	6.00 kW	--	--	--	--	22
23	--	--	--	--	7.47 kW	6.00 kW	--	--	--	--	24
25	KE-55	20 A	1	6.00 kW	14.31 kW	7.47 kW	6.00 kW	3	50 A	KE-68	26
27	--	--	--	--	6.00 kW	14.31 kW	--	--	--	--	28
29	--	--	--	--	6.00 kW	14.31 kW	6.00 kW	14.31 kW	--	--	30
31	KE-69	20 A	3	4.35 kW	7.47 kW	--	--	3	40 A	KE-38	32
33	--	--	--	--	4.35 kW	7.47 kW	--	--	--	--	34
35	--	--	--	--	4.35 kW	7.47 kW	4.35 kW	7.47 kW	--	--	36
37	KE-39	40 A	3	7.47 kW	7.47 kW	7.47 kW	7.47 kW	3	40 A	KE-39	38
39	--	--	--	--	7.47 kW	7.47 kW	--	--	--	--	40
41	--	--	--	--	7.47 kW	7.47 kW	--	--	--	--	42
43	KE-40	40 A	3	7.47 kW	7.47 kW	7.47 kW	7.47 kW	3	40 A	KE-40	44
45	--	--	--	--	7.47 kW	7.47 kW	--	--	--	--	46
47	--	--	--	--	7.47 kW	7.47 kW	7.47 kW	7.47 kW	--	--	48
49	--	--	--	--	--	--	--	--	--	--	50
51	--	--	--	--	--	--	--	--	--	--	52
53	--	--	--	--	--	--	--	--	--	--	54
55	--	--	--	--	--	--	--	--	--	--	56
57	--	--	--	--	--	--	--	--	--	--	58
59	--	--	--	--	--	--	--	--	--	--	60
Total Load:				171.06 kW	171.06 kW	171.06 kW	Total Amps: 618 A				
Total Amps:				618 A	618 A	618 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
KITCHEN EQUIP	513.18 kW	65.00%	333.57 kW	
RCPT	5.04 kW	100.00%	5.04 kW	Total Conn. Load: 513.18 kW
HVAC	22.75 kW	100.00%	22.75 kW	Total Est. Demand: 333.57 kW
				Total Conn. Current: 617 A
				Total Est. Demand Current: 401 A

Branch Panel: D1-6P

Location: HALLWAY F10
Supply From: 4PD
Mounting: RECESSED
Enclosure: TYPE 1

Volts: 120/208
Phases: 3
Wires: 4

Mains Type: MLO
Mains Rating: 225 A

Notes:
PANEL D1-6P IS AN EXISTING TO REMAIN PANEL. SPACES 16-22 AND 27 HAVE EXISTING 120V/1P 20A BREAKERS TO BE REUSED, OTHER BREAKERS NEEDED TO BE PROVIDED BY EC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	2	
3	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	4	
5	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	6	
7	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	8	
9	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	10	
11	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	12	
13	20A EXISTING CIRCUIT	--	1	--	--	--	1	--	20A EXISTING CIRCUIT	14	
15	20A EXISTING CIRCUIT	--	1	--	--	0.18 kW	--	1	20 A	PRINTER GUIDANCE F2	16
17	RCPT ROOM F1	20 A	1	1.08 kW	0.90 kW	1.08 kW	0.90 kW	1	20 A	RCPT ROOM F1B, F1A	18
19	RCPT CAFE SEATING F1A	20 A	1	1.26 kW	0.68 kW	--	--	1	20 A	OVERHEAD DOOR	20
21	KEF-6	20 A	2	0.54 kW	0.72 kW	0.54 kW	0.72 kW	2	20 A	MAU-1	24
25	--	--	--	0.54 kW	0.72 kW	--	--	1	20 A	OVERHEAD DOOR	26
27	HOOD-6	20 A	1	0.20 kW	0.68 kW	--	--	1	20 A	OVERHEAD DOOR	28
29	20A EXISTING SPARE	--	1	--	--	0.00 kW	0.00 kW	1	20 A	OVERHEAD DOOR	30
31	20A EXISTING SPARE	--	1	0.00 kW	0.00 kW	--	--	1	20 A	OVERHEAD DOOR	32
33	20A EXISTING SPARE	--	1	--	0.00 kW	0.00 kW	--	1	20 A	OVERHEAD DOOR	34
35	20A EXISTING SPARE	--	1	--	0.00 kW	0.00 kW	--	1	20 A	OVERHEAD DOOR	36
37	20A EXISTING SPARE	--	1	0.00 kW	0.00 kW	0.00 kW	0.00 kW	1	20 A	OVERHEAD DOOR	38
39	20A EXISTING SPARE	--	1	0.00 kW	0.00 kW	0.00 kW	0.00 kW	1	20 A	OVERHEAD DOOR	40
41	20A EXISTING SPARE	--	1	0.00 kW	0.00 kW	0.00 kW	0.00 kW	1	20 A	OVERHEAD DOOR	42
Total Load:				3.20 kW	2.28 kW	3.24 kW	Total Amps: 28 A				
Total Amps:				28 A	19 A	28 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
POWER	1.50 kW	100.00%	1.50 kW	Total Conn. Load: 8.72 kW
RCPT	4.50 kW	100.00%	4.50 kW	Total Est. Demand: 8.72 kW
HVAC	2.72 kW	100.00%	2.72 kW	Total Conn. Current: 24 A
				Total Est. Demand Current: 24 A

Branch Panel: D1-3P

Location: ELEC F39
Supply From: 7PD
Mounting: RECESSED
Enclosure: TYPE 1

Volts: 120/208
Phases: 3
Wires: 4

Mains Type: MLO
Mains Rating: 225 A

Notes:
PANEL D1-3P AND (4) 20A/1P BREAKERS TO BE PROVIDED BY OWNER FROM RECENT WAYNE HIGH SCHOOL RENOVATION. ALL OTHER BREAKERS NEEDED TO BE PROVIDED BY EC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	KE-105	20 A	1	0.12 kW	1.25 kW	--	--	1		

LIGHT FIXTURE SCHEDULE				
LIGHT FIXTURES SHALL BE AS SCHEDULED OR APPROVED EQUAL (FIXTURE F8) 10 DAYS PRIOR TO BID.				
MARK	MANUFACTURER	MODEL NO.	REMARKS	
EX	MULE LIGHTING	MXARU-SD	UNIVERSAL MOUNT EXIT SIGN. REFER TO PLANS FOR FACES / DIRECTIONAL ARROWS.	
F1	HE WILLIAMS	LT-24-L64840-AF-DIM1-UNV	2X4 LED LAY-IN, 277V, 0-10V DIMMING, DIMMABLE TO 1%. SEE F1-E FIXTURES ON DEMOLITION PLANS FOR QUANTITIES OF REUSABLE EXISTING FIXTURES.	
F2	HE WILLIAMS	LT-22-L49840-AF-DIM1-UNV	2X2 LED LAY-IN, 277V, 0-10V DIMMING, DIMMABLE TO 1%. SEE F2-E FIXTURES ON DEMOLITION PLANS FOR QUANTITIES OF REUSABLE EXISTING FIXTURES.	
F3	HE WILLIAMS	6DR-TL-L30-840-DIM1-UNV-OW-OF-CS-MMT-N-F1	6" RECESSED DOWNLIGHT, 277V, 0-10V DIMMING, DIMMABLE TO 1%. SEE F3-E FIXTURES ON DEMOLITION PLANS FOR QUANTITIES OF REUSABLE EXISTING FIXTURES.	
F4	HE WILLIAMS	75R-4-L50840-2IVBY-SPWU-DIM-UNV	CHAIN HUNG INDUSTRIAL STYLE LED SHOP LIGHT WITH LENS, 4 FEET LONG. SEE F4-E FIXTURES ON DEMOLITION PLANS FOR QUANTITIES OF REUSABLE EXISTING FIXTURES.	
F5	ALIV LIGHTING	RPD04HP-6-4000-010V/S-BA-UNV1%	CYLINDRICAL PENDANT, 6" LONG, MOUNTED AT VARYING ANGLES FROM CEILING ABOVE. POWER OVER AIRCRAFT CABLE. APPROXIMATELY 600 LUMENS PER FOOT. DIMMING DRIVER 0-10V. DIMMABLE TO 1%. SEE F5-E FIXTURES ON DEMOLITION PLANS FOR QUANTITIES OF REUSABLE EXISTING FIXTURES.	
F6A	ALIV LIGHTING	LPS3-SRT-TGRID-S4-CSTM1500-B04000-010V/S-EXT-N-N-N-N-SW-UNV	4" WIDE RECESSED LINEAR FIXTURE, APPROXIMATELY 1500 LUMENS PER FOOT. 0-10V DIMMING, DIMMABLE TO 1%. PROVIDE MITRED CORNERS AS SHOWN ON PLANS. 8 FOOT LENGTH WITH GRID MOUNTING.	
F6B	ALIV LIGHTING	LPS3-SRT-TGRID-S8-HI-804000-010V/S-EXT-N-N-N-N-SW-UNV	4" WIDE RECESSED LINEAR FIXTURE, APPROXIMATELY 1000 LUMENS PER FOOT. 0-10V DIMMING, DIMMABLE TO 1%. PROVIDE MITRED CORNERS AS SHOWN ON PLANS. 8 FOOT LENGTH WITH GRID MOUNTING.	
F6C	ALIV LIGHTING	LPS3-SRT-TGRID-S8-HI-804000-010V/S-EXT-N-N-N-N-SW-UNV	4" WIDE RECESSED LINEAR FIXTURE, APPROXIMATELY 1000 LUMENS PER FOOT. 0-10V DIMMING, DIMMABLE TO 1%. PROVIDE MITRED CORNERS AS SHOWN ON PLANS. 8 FOOT LENGTH WITH GRID MOUNTING TO ALLOW FOR EVEN RECTANGULAR MOUNTING.	
F6D	ALIV LIGHTING	LPS3-SRT-DRY-S6-HI-804000-010V/S-EXT-N-N-N-N-SW-UNV	4" WIDE RECESSED LINEAR FIXTURE, APPROXIMATELY 1000 LUMENS PER FOOT. 0-10V DIMMING, DIMMABLE TO 1%. PROVIDE MITRED CORNERS AS SHOWN ON PLANS. 8 FOOT LENGTH WITH DRYWALL MOUNTING.	
F7A	ALIV LIGHTING	LP1SD-S5-LOWH804000-010V/S-EXT-F-N-N-N-N-SB-UNV	SUSPENDED LINEAR 1" WIDE BY 6" LONG LENSED PENDANT, APPROXIMATELY 300 LUMENS PER FOOT. BLACK FINISH, CORD, AND CANOPY. SUSPEND BOTTOM OF FIXTURE IN LINE WITH BOTTOM OF ADJACENT WOODEN SLATS.	
F7B	ALIV LIGHTING	LP1SD-S4-HI804000-010V/S-EXT-F-N-N-N-N-SB-UNV	SUSPENDED LINEAR 1" WIDE BY 4" LONG LENSED PENDANT, APPROXIMATELY 500 LUMENS PER FOOT. BLACK FINISH, CORD, AND CANOPY. SUSPEND BOTTOM OF FIXTURE IN LINE WITH BOTTOM OF ADJACENT WOODEN SLATS.	
F7C	ALIV LIGHTING	LP3-SD-S8-MEDH804000-010V/S-EXT-F-N-N-N-N-SB-UNV	SUSPENDED LINEAR 4" WIDE BY 6" LONG LENSED PENDANT, APPROXIMATELY 1000 LUMENS PER FOOT. BLACK FINISH, CORD, AND CANOPY. SUSPEND BOTTOM OF FIXTURE IN LINE WITH BOTTOM OF ADJACENT CEILING CLOUDS.	
F8	ALIV LIGHTING CAMMAN LIGHTING PANELTEC PRUDENTIAL LIGHTING	MR3-D2-CM-MIN-804000K-V05-LENS-N-N-RAL7001-UNV-N-N C1044-24-40K-CLV-MV-WM-RAL7001 HFC-804000-2-804000-27-SD-FC-1%-RAL7001 C-20-LED4-MO-FWA-RYG-D1-SC-UNV-SUR-X3-DM01	2 DIAMETER SURFACE-MOUNT RING, APPROXIMATELY 2500 LUMENS. 0-10V DIMMING, DIMMABLE TO 1%. GRAY FINISH.	

KITCHEN EQUIPMENT SCHEDULE									
MARK	DESCRIPTION	VOLTAGE	PHASE	LOAD	PANEL	CIRCUIT	WIRE SIZE	CONNECTION	COMMENTS
KE-14	VEGETABLE PREP WORKTABLE	120 V	1	1.92 kW	D1-2P	34	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-14	VEGETABLE PREP WORKTABLE	120 V	1	1.92 kW	D1-2P	13	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-14	VEGETABLE PREP WORKTABLE	208 V	1	4.99 kW	D1-2P	47.49	#10, #10 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-15	COUNTERTOP DIGITAL SCALE	120 V	1	0.18 kW	PLUG	PLUG	#12, #12 G. IN 3/4" C.	5-20P	CONNECT TO ANY CONVENIENCE RECEPTACLE OR POWERED WORKTABLE
KE-15	COUNTERTOP DIGITAL SCALE	120 V	1	0.18 kW	PLUG	PLUG	#12, #12 G. IN 3/4" C.	5-20P	CONNECT TO ANY CONVENIENCE RECEPTACLE OR POWERED WORKTABLE
KE-17	ELECTRIC CAN OPENER	120 V	1	0.18 kW	PLUG	PLUG	#12, #12 G. IN 3/4" C.	5-20P	CONNECT TO ANY CONVENIENCE RECEPTACLE OR POWERED WORKTABLE
KE-17	ELECTRIC CAN OPENER	120 V	1	0.18 kW	PLUG	PLUG	#12, #12 G. IN 3/4" C.	5-20P	CONNECT TO ANY CONVENIENCE RECEPTACLE OR POWERED WORKTABLE
KE-21	FORTY GALLON TILTING SKILLET	480 V	3	44.00 kW	K	13.5	#4, #8 G. IN 1 1/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-22	FORTY GALLON TILTING SKILLET	480 V	3	44.00 kW	K	24.6	#4, #8 G. IN 1 1/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-23	TEN PAN CONNECTION STEAMER	480 V	3	31.50 kW	K	7.9	#10, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-24	TEN PAN CONNECTION STEAMER	480 V	3	31.50 kW	K	8.10.12	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-27	UNDERCOUNTER NUGGET ICE MAKER	120 V	1	1.44 kW	D1-2P	7	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-28	KITCHEN PREP WORKTABLE	120 V	1	1.92 kW	D1-2P	23	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-28	KITCHEN PREP WORKTABLE	120 V	1	1.92 kW	D1-2P	19	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-28	KITCHEN PREP WORKTABLE	208 V	1	4.99 kW	D1-2P	52.24	#10, #10 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-31	KITCHEN PREP WORKTABLE	120 V	1	1.92 kW	D1-2P	12	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-31	KITCHEN PREP WORKTABLE	120 V	1	1.92 kW	D1-2P	17	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-31	KITCHEN PREP WORKTABLE	208 V	1	4.99 kW	D1-2P	51.53	#10, #10 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF ISLAND WORKTABLE
KE-35	COMB OVEN / STEAMER (ROLL-IN)	480 V	3	67.90 kW	K	13.5	#17, #17 G. IN 1 1/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-36	COMB OVEN / STEAMER (ROLL-IN)	480 V	3	67.90 kW	K	14.16.18	#8, #10 G. IN 1 1/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-37	REACH-IN BLAST CHILLER	208 V	3	9.51 kW	D1-2P	29.31.33	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-38	COMB OVEN / STEAMER	480 V	3	22.40 kW	K	19.21.23	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-38	COMB OVEN / STEAMER	480 V	3	22.40 kW	K	32.34.36	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-39	COMB OVEN / STEAMER	480 V	3	22.40 kW	K	37.38.41	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-39	COMB OVEN / STEAMER	480 V	3	22.40 kW	K	38.40.42	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-40	COMB OVEN / STEAMER	480 V	3	22.40 kW	K	43.45.47	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-40	COMB OVEN / STEAMER	480 V	3	22.40 kW	K	44.46.48	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH UTILITY DISTRIBUTION SYSTEM (KE-32) AND SHUNT TRIP CIRCUIT BREAKER.
KE-41	TWO DOOR REACH-IN REFRIGERATOR	120 V	1	1.55 kW	D1-2P	32	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-42	TWO DOOR REACH-IN REFRIGERATOR	120 V	1	1.55 kW	D1-2P	38	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-43	TWO DOOR REACH-IN FREEZER	120 V	1	2.05 kW	D1-2P	36	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-48	COUNTERTOP HOT WATER DISPENSER	208 V	1	5.00 kW	D1-2P	25.27	#10, #10 G. IN 3/4" C.	6-30P	MOUNT RECEPTACLE ON WALL ABOVE BACKSPLASH
KE-51	MOBILE PROOFER / HOLDING CABINET	120 V	1	1.65 kW	D1-2P	15	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY BEHIND EQUIPMENT
KE-52	SIXTY QUART FLOOR MAKER	208 V	3	7.21 kW	D1-2P	56.58.60	#12, #12 G. IN 3/4" C.	115-20P	MOUNT RECEPTACLE ON WALL DIRECTLY BEHIND EQUIPMENT
KE-54	ROTATING RACK BAKERY OVEN	120 V	1	1.13 kW	D1-3P	5	#12, #12 G. IN 3/4" C.	5-20P	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-54	ROTATING RACK BAKERY OVEN (CONTROLS)	120 V	1	1.13 kW	D1-3P	5	#12, #12 G. IN 3/4" C.	5-20P	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-55	ROTATING RACK BAKERY OVEN	480 V	3	18.00 kW	K	25.27.29	#10, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-55	ROTATING RACK BAKERY OVEN (CONTROLS)	120 V	1	1.13 kW	D1-3P	3	#12, #12 G. IN 3/4" C.	5-20P	EXTEND TO EQUIPMENT THROUGH SHUNT TRIP CIRCUIT BREAKER
KE-58	DISHMACHINE W/ BOOSTER HEATER	480 V	3	42.93 kW	K	26.33.30	#8, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH ELECTRICAL DISCONNECT
KE-59	DISHMACHINE BLOWER DRYER	480 V	3	31.65 kW	K	31.65.33	#12, #12 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH ELECTRICAL DISCONNECT
KE-72	THREE COMPARTMENT SINK (CONTROLS)	208 V	3	9.61 kW	D1-2P	55.57.59	#10, #10 G. IN 3/4" C.	DIRECT	EXTEND TO EQUIPMENT THROUGH KEC FURNISHED CONTROL PANEL
KE-78	SINGLE DOOR PASS-THRU HEATED CABINET	120 V	1	1.56 kW	D1-3P	42	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-78	SINGLE DOOR PASS-THRU HEATED CABINET	120 V	1	1.56 kW	D1-3P	11	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-78	SINGLE DOOR PASS-THRU HEATED CABINET	120 V	1	1.56 kW	D1-4P	42	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-79	SINGLE DOOR PASS-THRU REFRIGERATOR	120 V	1	0.88 kW	D1-3P	41	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-79	SINGLE DOOR PASS-THRU REFRIGERATOR	120 V	1	0.88 kW	D1-3P	40	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-79	SINGLE DOOR PASS-THRU REFRIGERATOR	120 V	1	0.88 kW	D1-3P	38	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-80	TWO DOOR REACH-IN REFRIGERATOR	120 V	1	1.55 kW	D1-3P	22	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-81	OPEN AIR REFRIGERATED MERCHANDISER	208 V	1	2.08 kW	D1-3P	15.17	#12, #12 G. IN 3/4" C.	DIRECT / 6-15P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-81	OPEN AIR REFRIGERATED MERCHANDISER	208 V	1	2.08 kW	D1-3P	16.18	#12, #12 G. IN 3/4" C.	DIRECT / 6-15P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-83	OPEN AIR REFRIGERATED MERCHANDISER	120 V	1	1.92 kW	D1-5P	39	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY BEHIND EQUIPMENT
KE-83	OPEN AIR REFRIGERATED MERCHANDISER	120 V	1	1.92 kW	D1-4P	25	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY BEHIND EQUIPMENT
KE-84	GLASS DOOR FREEZER MERCHANDISER	120 V	1	1.04 kW	D1-5P	41	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY BEHIND EQUIPMENT
KE-84	GLASS DOOR FREEZER MERCHANDISER	120 V	1	1.04 kW	D1-4P	12	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY BEHIND EQUIPMENT
KE-88	SINGLE DOOR ROLL-IN REFRIGERATOR	120 V	1	1.13 kW	D1-5P	23	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-89	VENTLESS CONVEYOR OVEN	208 V	3	16.30 kW	D1-4P	19.21.23	#8, #10 G. IN 3/4" C.	15-50P	PROVIDE HORIZONTAL RECEPTACLE ABOVE COUNTERTOP
KE-89	VENTLESS CONVEYOR OVEN	208 V	3	16.30 kW	D1-4P	37.39.41	#8, #10 G. IN 3/4" C.	15-50P	PROVIDE HORIZONTAL RECEPTACLE ABOVE COUNTERTOP
KE-91	SINGLE DOOR REACH-IN HEATED CABINET	120 V	1	1.56 kW	D1-5P	25	#12, #12 G. IN 3/4" C.	5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-93	COUNTERTOP HEATED MERCHANDISER	208 V	1	2.00 kW	D1-3P	6	#12, #12 G. IN 3/4" C.	DIRECT / 5-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-94	DROP-IN TWO PAN HOT / COLD WELL	208 V	1	2.00 kW	D1-3P	35.37	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-95	PIZZA / ITALIAN BREATHGUARD	120 V	1	0.12 kW	D1-3P	4	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-96	DROP-IN 48-INCH HEATED SHELF	120 V	1	1.23 kW	D1-3P	27	#12, #12 G. IN 3/4" C.	DIRECT / 5-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-97	DROP-IN 48-INCH HEATED SHELF	120 V	1	1.23 kW	D1-3P	30	#12, #12 G. IN 3/4" C.	DIRECT / 5-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-98	PIZZA / ITALIAN BREATHGUARD	120 V	1	0.12 kW	D1-3P	24	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-103	DROP-IN FOUR PAN HOT / COLD WELL	208 V	1	3.00 kW	D1-3P	20.22	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-104	DROP-IN TWO PAN HOT / COLD WELL	208 V	1	2.00 kW	D1-3P	10.12	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-105	GENERAL'S FAVORITES BREATHGUARD	120 V	1	0.12 kW	D1-3P	1	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-107	DROP-IN THREE PAN HOT / COLD WELL	208 V	1	2.50 kW	D1-3P	19.21	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-108	DROP-IN THREE PAN HOT / COLD WELL	208 V	1	2.50 kW	D1-3P	23.25	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-109	MAKE-YOUR-OWN BREATHGUARD	120 V	1	0.12 kW	D1-3P	13	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-111	DROP-IN FOUR PAN HOT / COLD WELL	208 V	1	3.00 kW	D1-3P	26.28	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-112	DROP-IN TWO PAN HOT / COLD WELL	208 V	1	2.00 kW	D1-3P	31.33	#12, #12 G. IN 3/4" C.	DIRECT / 14-20P	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-113	GENERAL'S FAVORITES BREATHGUARD	120 V	1	0.12 kW	D1-3P	9	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-117	SINGLE DOOR REACH-IN REFRIGERATOR	120 V	1	0.88 kW	D1-4P	40	#12, #12 G. IN 3/4" C.	DIRECT / 5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-118	SINGLE DOOR REACH-IN HEATED CABINET	120 V	1	1.56 kW	D1-4P	20	#12, #12 G. IN 3/4" C.	DIRECT / 5-20P	MOUNT RECEPTACLE ON WALL DIRECTLY ABOVE EQUIPMENT
KE-120	BOTTOM-MOUNT HOT FOOD WELL	208 V	1	1.65 kW	D1-4P	28.30	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-120	BOTTOM-MOUNT HOT FOOD WELL	208 V	1	1.65 kW	D1-4P	32.34	#12, #12 G. IN 3/4" C.	DIRECT	STUB UP TO JUNCTION BOX ON UNDERSIDE OF SERVING COUNTER BASE
KE-121	COUNTERTOP HEATED MERCHANDISER	208 V	1	2.00 kW	D1-3P	2	#12, #12 G. IN 3/4" C.	DIRECT / 5-	

SECTION 02 00 00 – EXISTING MATERIALS AVAILABLE FOR PROJECT**PART 1 - GENERAL****1.1 SUMMARY****A. Section Includes:**

1. Materials and products available to contractors
 - a. Includes products currently installed
 - b. Includes products previously procured and not installed during 2022-24 Renovation of Wayne High School.

1.2 Materials List

- A. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and salvaged or removed and reinstalled.
- B. Remove and Salvage: Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner ready for reuse.
- C. Remove and Reinstall: Detach items from existing construction, prepare for reuse, and reinstall where indicated.
- D. Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

PART 2 - PRODUCTS**2.1 LIST OF MATERIALS AND PRODUCTS**

- A. The following is a documented list of items procured by the Construction Manager as part of the 2022-2024 Wayne High School Renovation project. These items were either unused or previously installed and marked for removal. This list is not exhaustive but includes materials that can be accounted for within this project. Some products listed may not be required; however, they are included here for potential future changes to the work. Please notify the Construction Manager if there is intent to use any of these products.
- B. Division 7 Materials available for use include:
 1. 2.5” Compasso Ceiling Grid Edge
 - a. 85.33x36
 - b. 72.0x2
 - c. 80.49x2
 - d. 83.90x1
 - e. 93.20x2

- f. 112.00x3
- g. 73.80x8
- h. 73.85x4
- i. 73.85x4
- j. 90 degree corners x 23
- k. 135 degree corners x 8
- l. Splice x 136
- 2. 4" Compasso Ceiling Grid Edge
 - a. 97.75x1
 - b. 96.88x2
 - c. 91.33x4
 - d. 91.33 w. 45 mtr x2
 - e. 35-143 w pc x 1
 - f. 80.58x1
 - g. 73.72x1
 - h. 24.00x2
 - i. 90 degree corner x12
 - j. Inside corner x4
 - k. Splice x 46
 - l. 90 degree splice x 3
- 3. 6" Compasso Ceiling Grid Edge
 - a. 112.58x6
 - b. 104.58x7
 - c. 96.88x4
 - d. 84.88x4
 - e. 80.58x21
 - f. 72.77x6
 - g. 73.75x2
 - h. 49.75x3
 - i. 90 degree corner x 31
 - j. Splice x 163
- 4. 12" Compasso Ceiling Grid Edge
 - a. 12" Long Brace x 48
 - b. 3" Long Brace x 143

C. Division 7 Materials available for use include:

- 1. Refer to door schedule and door hardware for specific items to be used or reused from previous project.
- 2. (2) Best Core Keyed Switches

D. Division 23 Materials available for use include:

- 1. Refer to Mechanical drawings for items to be used or reused from previous project.

E. Division 26 & 27 Materials available for use include:

- 1. Refer to Electrical drawings for items to be used or reused from previous project

PART 3 - EXECUTION

END OF SECTION

SECTION 09 51 00 - Acoustical Ceilings
SoundScapes® Blades Linear Acoustical Panels – Colors**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

Drawings and general conditions of Contract, including General and Supplementary Conditions and Divisions-1 Specification sections apply to work of this section.

1.2 SUMMARY**A. Section Includes:**

1. Linear acoustical ceiling and wall panels
2. Exposed grid suspension system
3. Wire hangers, fasteners, main runners, cross tees, wall angle moldings and accessories

B. Related Sections:

1. Section 09 50 00 – Ceilings
2. Section 09 51 13 – Acoustical Panel Ceilings
3. Section 09 53 00 – Acoustical Ceiling Suspension Assemblies
4. Section 09 54 00 – Specialty Ceilings
5. Section 09 54 33 – Decorative Panel Ceilings
6. Section 09 54 53 – Fiberglass Reinforced Panel Ceilings

C. Alternates

1. Prior Approval: Unless otherwise provided for in the Contract documents, proposed product substitutions may be submitted no later than TEN (10) working days prior to the date established for receipt of bids. Acceptability of a proposed substitution is contingent upon the Architect's review of the proposal for acceptability and approved products will be set forth by the Addenda. If included in a Bid are substitute products that have not been pre-approved by the architect and included in the Addenda, the originally specified products shall be provided without additional compensation.
2. Submittals that do not provide adequate data for the product evaluation will not be considered. The proposed substitution must meet all requirements of this section, including but not necessarily limited to, the following: Single source materials suppliers; Underwriters' Laboratories Classified Acoustical performance; Panel design, size, composition, color, and finish; Suspension system component profiles and sizes; Compliance with the referenced standards.

1.3 REFERENCES

- A. American Society for Testing and Materials (ASTM):

1. ASTM A 1008 Standard Specification for Steel, Sheet, Cold Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability
 2. ASTM A 641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
 3. ASTM A 653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
 4. ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
 5. ASTM C 635 Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
 6. ASTM C 636 Recommended Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
 7. ASTM D 3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
 8. ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials
 9. ASTM E 580 Installation of Metal Suspension Systems in Areas Requiring Moderate Seismic Restraint
 10. ASTM E 1111 Standard Test Method for Measuring the Interzone Attenuation of Ceilings Systems
 11. ASTM E 1414 Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum
 12. ASTM E 1264 Classification for Acoustical Ceiling Products
- B. NFPA 286 Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
- C. ASHRAE Standard 62.1-2004, "Ventilation for Acceptable Indoor Air Quality"
- D. ICC ESR 1308 International Code Council Evaluation Report Independent Evaluation of Armstrong Suspension Components for Seismic Installations
- E. International Building Code
- F. ASCE 7 American Society of Civil Engineers, Minimum Design Loads for Buildings and Other Structures
- G. International Code Council-Evaluation Services - AC 156 Acceptance Criteria for Seismic Qualification Testing of Non-structural Components
- H. LEED - Leadership in Energy and Environmental Design is a set of rating systems for the design, construction, operation, and maintenance of green buildings
- 1.4 SYSTEM DESCRIPTION
- A. **Discontinuous**

1.5 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data for each type of acoustical ceiling unit and suspension system required.
- B. Samples: Minimum 6 x 6 submittal sample of specified blade color; 8 inch long sample of suspension system, including main runner and cross tee.
- C. Shop Drawings: Layout and details of acoustical ceilings show locations of items, which are to be coordinated with, or supported by the ceilings.
- D. Acoustical Certifications: Manufacturer's certifications that products comply with specified requirements, including laboratory reports showing compliance with specified tests and standards. For acoustical performance, each carton of material must carry an approved independent laboratory classification, such as Underwriter's Laboratory (UL) of NRC.
 - 1. If the material supplied by the acoustical subcontractor does not have an independent laboratory classification of acoustical performance on every carton, subcontractor shall be required to send material from every production run appearing on the job to an independent or NVLAP approved laboratory for testing, at the architect's or owner's discretion. All products not conforming to manufacturer's current published values must be removed, disposed of, and replaced with complying product at the expense of the Contractor performing the work.
 - a. SUSTAINABLE MATERIALS
- E. Transparency: Manufacturers will be given preference when they provide documentation to support sustainable requirements for the following: Material ingredient transparency, Removal of Red List Ingredients per LBCV3, Life Cycle impact information, Low-Emitting Materials, and Clean Air performance.
 - 1. End of Life Programs/Recycling: Where applicable, manufacturers that provide the option for recycling of their products into new products at end-of-life through take-back programs will be preferred.

1.6 QUALITY ASSURANCE

- A. Single-Source Responsibility: Provide acoustical panel units and grid components by a single manufacturer.
- B. Fire Performance Characteristics: Identify acoustical ceiling components with appropriate markings of applicable testing and inspecting organization.
 - 1. Surface Burning Characteristics: Class A as follows, tested per ASTM E84 and CAN/ULC S102:
 - a. Flame Spread: 25 or less
 - b. Smoke Developed: 50 or less

- C. Handle acoustical blades carefully to avoid scratching or denting units in any way.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical ceiling units to project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other causes.
- B. Before installing acoustical ceiling units, permit them to reach room temperature and a stabilized moisture content.
- C. Handle acoustical ceiling units carefully to avoid chipping edges or damaged units in any way.

1.8 PROJECT CONDITIONS

- A. Space Enclosure:

All ceiling products and suspension systems must be installed and maintained in accordance with Armstrong written installation instructions for that product in effect at the time of installation and best industry practice. Prior to installation, the ceiling product must be kept clean and dry, in an environment that is between 32°F (0°C) and 120°F (49°C) and not subject to Abnormal Conditions. Abnormal conditions include exposure to chemical fumes, vibrations, moisture from conditions such as building leaks or condensation, excessive humidity, or excessive dirt or dust buildup.

HumiGuard Plus Ceilings: Installation of the products shall be carried out where the temperature is between 32°F (0° C) and 120°F (49° C). It is not necessary for the area to be enclosed or for HVAC systems to be functioning. All wet work (plastering, concrete, etc.) must be complete and dry. The ceilings must be maintained to avoid excessive dirt or dust buildup that would provide a medium for microbial growth on ceiling panels. Microbial protection does not extend beyond the treated surface as received from the factory and does not protect other materials that contact the treated surface such as supported insulation materials.

1.9 WARRANTY

- A. Blades: Submit a written warranty executed by the manufacturer, agreeing to repair or replace acoustical panels that fail within the warranty period. Failures include, but are not limited to:
 - 1. Blade Panels: Sagging and warping as a result of defects in materials or factory workmanship.
 - 2. Grid System: Rusting and manufacturer's defects
- B. Warranty Period:
 - 1. Blades: One (1) year from date of substantial completion
 - 2. Suspension System: Ten (10) years from date of substantial completion
- C. The Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

1.10 MAINTENANCE

- A. Extra Materials: Deliver extra materials to Owner. Furnish extra materials described below that match products installed. Packaged with protective covering for storage and identified with appropriate labels.
 - 1. Acoustical Ceiling Units: Furnish quality of full-size units equal to 5.0 percent of amount installed.
 - 2. Exposed Suspension System Components: Furnish quantity of each exposed suspension component equal to 2.0 percent of amount installed.

PART 2 - Part 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design SoundScapes Blades

- 1. Armstrong World Industries Inc.
Suspension System

- 2. Armstrong World Industries Inc.

2.2.1 SoundScapes Blades:

Surface Texture: Fine

Composition: Fiberglass

Color: custom color to be selected by architect

Size & Design:

10 x 94 x 1-3/4" Rectangle (item 8250F03RH02),

Edge Profile: Square

Recycled Content: 43%

Acoustics: Sound absorption up to 1.80 Noise Reduction Coefficient (NRC) ASTM C 423 dependent on blade depth and spacing:

Panel Depth	6" O.C.	12" O.C.	18" O.C.	24" O.C.
5"	0.80	0.50	0.40	0.30
7-1/2"	1.00	0.65	0.50	0.40
10"	1.15	0.80	0.60	0.50
10-1/2"	1.15	0.80	0.60	0.50
16"	1.35	1.00	0.75	0.55
19-1/2"	1.40	1.00	0.75	0.60
22"	1.45	1.00	0.75	0.65
22-1/2"	1.45	1.00	0.80	0.65
28"	1.80	1.35	1.10	0.95

Flame Spread: ASTM E 1264; Class A (UL)

Dimensional Stability: HumiGuard Plus; Anti-Microbial, inherent

Basis of Design: SoundScapes Blades (item 8250F03RH02) as manufactured by Armstrong World Industries

2.2.2 Individual Suspension:

Aircraft Cable: Acceptable product as manufactured by Armstrong World Industries

- a. Item 6655L8CR - 4-Point Hanging Kit (4 per bag)
- b. Item 625530 - Extended Hanging Aircraft Cables (30' length, 4 per bag). For use with Item 6655L8CR when longer cables are needed.

1) METAL SUSPENSION SYSTEMS

- B. Direct-to-Grid Suspension Acceptable Product: Listed Below as manufactured by Armstrong World Industries, Inc. Items are available in custom colors; contact ASQuote@armstrongceilings.com.

1. Prelude XL in coordinating finishes manufactured by Armstrong World Industries:

7301 ___ 12' HD Main Beam

XL7342 ___ 4' Cross Tee

XL7328 ___ 2' Cross Tee

7800 ___ 12' Angle Molding

2. 360° painted Black (BL) or White (WH) as manufactured by Armstrong World Industries:

730136 12' HD Main Beam

XL734036 4' Cross Tee

XL732036 2' Cross Tee

780036 12' Angle Molding

3. 360° painted made to order colors (RAL) as manufactured by Armstrong World Industries:

56418 12' HD Main Beam

56421 4' Cross Tee

56419 2' Cross Tee

7800 12' Angle Molding

- C. Direct-Attach Acceptable Product: AXM34STR3 _ _ 10' Straight Wall Molding (360° Paint Recommended)

- D. Wire for Hangers and Ties: ASTM A 641, Class 1 zinc coating, soft annealed, with a yield stress load of at least time three design load, but not less than 12 gauge.

- E. Accessories

ARBRKT Adjustable Hanger Bracket

6459BL Black Rigid Attachment Clip

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Do not proceed with installation until all wet work such as concrete, terrazzo, plastering and painting has been completed and thoroughly dried out, unless expressly permitted by manufacturer's printed recommendations. (Exception: HumiGuard Max Ceilings)

3.2 PREPARATION

- A. Coordination: Furnish layouts for preset inserts, clips, and other ceiling anchors whose installation is specified in other sections.
 - 1. Furnish concrete inserts and similar devices to other trades for installation well in advance of time needed for coordination of other work.

3.3 INSTALLATION

- A. Install SoundScapes Blades per Armstrong World Industries installation instructions.
- B. For areas having seismic requirements, consult with the Authority Having Jurisdiction or Building Code to determine the local requirements and following the manufacturers seismic guidelines found in the manufacturers Installation instructions.**
- C. Install suspension system per ASTM C636 unless otherwise noted in the manufactures Installation Instructions.**

3.4 ADJUSTING AND CLEANING

- A. Replace damaged and broken blades.
- B. Clean exposed surfaces of blades, including trim, and suspension members comply with manufacturer's instructions for cleaning and touch up of minor finish damage.
- C. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION

SECTION 10 44 13 - FIRE PROTECTION CABINETS**PART 1 - GENERAL****1.1 SUMMARY****A. Section Includes:**

1. Fire-protection cabinets for portable fire extinguishers.

1.2 ACTION SUBMITTALS**A. Product Data:** For each type of product.**1.3 CLOSEOUT SUBMITTALS****A. Maintenance data.****1.4 COORDINATION**

- A. Coordinate size of fire-protection cabinets to ensure that type and capacity of fire extinguishers indicated are accommodated.
- B. Coordinate sizes and locations of fire-protection cabinets with wall depths.

PART 2 - PRODUCTS**2.1 PERFORMANCE REQUIREMENTS**

- A. Fire-Rated Fire-Protection Cabinets: Listed and labeled to comply with requirements in ASTM E814 for fire-resistance rating of walls where they are installed.

2.2 FIRE-PROTECTION CABINET**A. Cabinet Type:** Fully-Recessed, suitable for fire extinguisher.

1. Manufacturers: Subject to compliance with requirements, provide JL Heavy Duty School Fire Cabinet or comparable products by the following:
 - a. Guardian Fire Equipment, Inc.
 - b. Larsens Manufacturing Company.

B. Cabinet Construction: Nonrated, unless indicated in a rated wall.

- C. Cabinet Material: Cold-rolled steel sheet.
- D. Recessed Cabinet:
 - 1. Exposed Flat Trim: One-piece combination trim and perimeter door frame overlapping surrounding wall surface, with exposed trim face and wall return at outer edge (backbend).
- E. Cabinet Trim Material: Steel sheet.
- F. Door Material: Steel sheet.
- G. Door Style: Vertical duo panel with frame.
 - 1. Provide solid door at Gym
- H. Door Glazing: Tempered float glass (clear).
 - 1. Acrylic Sheet Color:
 - a. Clear transparent acrylic sheet.
- I. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
- J. Accessories:
 - 1. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated as directed by Architect Insert location.
 - a. Identify fire extinguisher in fire-protection cabinet with the words "FIRE EXTINGUISHER."
 - 1) Location: Applied to cabinet door.
 - 2) Lettering Color: White.
 - 3) Orientation: Vertical.
 - 2. Flush Cap Pull
- K. Materials:
 - 1. Cold-Rolled Steel: ASTM A1008/A1008M, Commercial Steel (CS), Type B.
 - a. Finish: Baked enamel, TGIC polyester powder coat, HAA polyester powder coat, epoxy powder coat, or polyester/epoxy hybrid powder coat, complying with AAMA 2603.
 - b. Color: Red.
 - 2. Tempered Float Glass: ASTM C1048, Kind FT, Condition A, Type I, Quality q3, 3 mm thick, Class 1 (clear) Class 2 (tinted, heat absorbing, and light reducing), bronze tint.

2.3 FABRICATION

- A. Fire-Protection Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
 - 1. Custom Fabrication: Cabinets shall be custom sized to fit existing openings. Wall trim shall cover the approximate same wall area to prevent exposing existing paint line.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Prepare recesses for recessed fire-protection cabinets as required by type and size of cabinet and trim style.
- B. Install fire-protection cabinets in locations and at mounting heights indicated.
- C. Fire-Protection Cabinets: Fasten cabinets to structure, square and plumb.
- D. Identification: Apply vinyl lettering.
- E. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.

END OF SECTION

SECTION 10 44 16 - FIRE EXTINGUISHERS**PART 1 - GENERAL****1.1 SUMMARY**

- A. Section includes portable, hand-carried fire extinguishers.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Operation and maintenance data.
- C. Warranty: Sample of special warranty.

1.3 QUALITY ASSURANCE

- A. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Portable Fire Extinguishers."
- B. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
- C. Coordinate type and capacity of fire extinguishers with fire protection cabinets to ensure fit and function.

1.4 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace fire extinguishers that fail in materials or workmanship within specified warranty period.

- 1. Failures include, but are not limited to, the following:

- B. Failure of hydrostatic test according to NFPA 10.
 - C. Faulty operation of valves or release levers.

- 1. Warranty Period: Six years from date of Substantial Completion.

FIRE EXTINGUISHERS 10 44 16-1 PART 2 - PRODUCTS**1.5 PORTABLE, HAND-CARRIED FIRE EXTINGUISHERS**

- A. Fire Extinguishers: Type, size, and capacity for each fire protection cabinet indicated.

1. Basis-of-Design Product: Subject to compliance with requirements, provide J. L. Industries, Inc. Cosmic 10E or comparable product by one of the following:
 - a. Larsen's Manufacturing Company.
- B. Multipurpose Dry-Chemical Type : UL-rated 10 lb. nominal capacity, with monoammonium phosphate-based dry chemical in manufacturer's standard enameled container.

PART 2 - EXECUTION

2.1 INSTALLATION

- A. Examine fire extinguishers for proper charging and tagging.
 1. Remove and replace damaged, defective, or undercharged fire extinguishers.
- B. Install fire extinguishers in locations indicated and in compliance with requirements of authorities having jurisdiction.

END OF SECTION

FIRE EXTINGUISHERS 10 44 16-2

SECTION 11 52 13 - PROJECTION SCREENS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Electrically operated, front-projection screens and controls - locations include:
 - a. Dining F100 (multiple)

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: Show layouts and types of front-projection screens. Include the following:

1. Location of seams in viewing surfaces.
2. Anchorage details, including connection to supporting structure for suspended units.
3. Location of wiring connections for electrically operated units.
4. Wiring diagrams for electrically operated units.

PART 2 - PRODUCTS

2.1 ELECTRICALLY OPERATED, FRONT-PROJECTION SCREENS

A. General: Manufacturer's standard units consisting of case, screen, motor, controls, mounting accessories, and other components necessary for a complete installation.

1. Controls: Remote, key-operated, three-position control switch.

a. Provide key-operated, power-supply switch.

- 1) Keyed switch must accept Best standard interchangeable 7-pin core. Core to be provided by FWCS.

B. Manufacturer: Basis of Design - Provide Draper Premier electric projection screen or comparable product by one of the following:

1. Bretford, Inc
2. Da-Lite

C. Projection Screen Construction

1. Motor in Roller: Instant-reversing motor of size and capacity recommended by screen manufacturer; with permanently lubricated ball bearings, automatic thermal-overload protection, and positive-stop action to prevent coasting.
 2. Screen Mounting: Top edge securely anchored to rigid metal roller and bottom edge formed into a pocket holding a 3/8-inch- diameter metal rod with ends of rod protected by plastic caps.
 3. Case Enclosure: Spring roller operated, steel case - 22-gauge steel with end caps finished to match case. Flat back design, with scratch-resistant textured finish.
 - a. Color: Black
 4. Mounting: Provide mounting brackets for floating ceiling conditions (exposed structure) unless noted otherwise in schedule below.
 5. Viewing Surface: Matt White XT1000VB (or comparable).
 - a. On axis gain: 1.0
 - b. 180 degree viewing cone
 - c. Washable surface
 6. Viewing Area: Refer to schedule below.
 - a. Black Masking Border
 7. Tab-Tensioning System: Viewing surface with integrated tabs and cable on each side of fabric to provide tension and ensure flat viewing surface. Viewing surface and tabs CNC cut as a single piece. Tabs RF welded to back of viewing surface to prevent tab separation. Tab adhesives are not acceptable.
 8. Screen Drop: Provide black screen drop of 12" unless noted greater in schedule.
- D. Electric Motorized Front-Projection Screen Schedule
1. 16:10 Format - 109" Diameter (57-1/2" x 92").
 - a. Dining Room F100
 2. 16:10 Format - 137" Diameter (72-1/2" x 116").
 - a. Dining F100 (center)

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install front-projection screens at locations indicated to comply with screen manufacturer's written instructions.

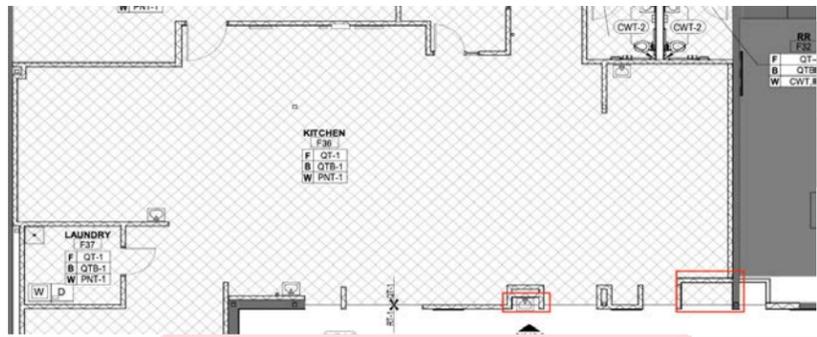
- B. Install front-projection screens with screen cases in position and in relation to adjoining construction indicated. Securely anchor to supporting substrate in a manner that produces a smoothly operating screen with vertical edges plumb and viewing surface flat when screen is lowered.
1. Install low-voltage controls according to NFPA 70 and complying with manufacturer's written instructions.
 - a. Wiring Method: Install wiring in raceway except in accessible ceiling spaces and in gypsum board partitions where unenclosed wiring method may be used. Use UL-listed plenum cable in environmental air spaces, including plenum ceilings. Conceal raceway and cables except in unfinished spaces.
 2. Test electrically operated units to verify that screen controls, limit switches, closures, and other operating components are in optimum functioning condition.

END OF SECTION

RFI Log

Project Name	Renovation of Wayne Kitchen and Cafeteria
Project Address	9100 Winchester Rd. Fort Wayne, IN 46819
Architect	Design Collaborative
Construction Manager	Hagerman, Inc.

Addendum 1	10/17/2024
Addendum 2	10/24/2024
Addendum 3	11/5/2024
Bid Date	November 7, 2024 at 2:00PM

RFI #	Status	Description of Request	Received By	Responsible Party	Date Submitted	Response Date	Response
001	Complete	Clarification of glazing scope in each package	Hagerman	Hagerman	10/8/2024	10/14/2024	1.) HM glass will be in BP #4 (Glazing), Wood Door Lites will be supplied by the wood door supplier (BP #13), FRP Door Lites also BP #13 2.) Storefront windows in BP #4 3.) Breath Guards will be part of BP #12 – Food Service Equipment 4.) 2” aluminum frame screen wall will be in BP #4
002	Pending	On DWG sheet S2.1F in WAREWASH room F38, above Door Opening F38A, is a Scheduled CMU Lintel. However on DWG sheet 4/A5.1 there’s a detail that calls for a Steel Beam and Bent Plate Lintel above the same opening F38A.	Hagerman	A/E Team	10/17/2024		See Addendum 3
003	Pending	Is there a description in the specifications for the screen walls? If so, what is the CSI section it would be listed in? I have not been able to locate at this point.	Hagerman	A/E Team	10/15/2024		See Addendum 3
004	Pending	If the intent is to be a custom design, the drawings indicate the framing member height to be 2” but the depth is not specified. Is the intent to be square tubing or is this subject to scaling?	Hagerman	A/E Team	10/15/2024		See Addendum 3
005	Pending	If custom, are intersections expected to be welded or can fasteners be exposed in a “clean manner” also, are the anchor points at the head and sill allowed to be exposed?	Hagerman	A/E Team	10/15/2024		See Addendum 3
006	Pending	Are there any minority requirements?	Hagerman	Hagerman	10/18/2024		No minority requirements
007	Pending	Is this an OCIP or CCIP project?	Hagerman	Hagerman	10/18/2024		No OCIP or CCIP
008	Pending	Is this a Union or Prevailing Wage Project?	Hagerman	Hagerman	10/18/2024		This job does not have prevailing wage requirements
009	Pending	Can you confirm the % the bid bond needs to be?	Hagerman	Hagerman	10/18/2024		Bid Bonds need to be 100% of the bid value
010	Pending	there are two areas in F40 Serving that show the quarry tile pattern. Is this correct or should these areas have RT-1 installed in them? 	Hagerman	A/E Team	10/28/2024		Clarified in Addendum 03.
011	Pending	Cut 5 on page A11.1F shows the use of Schluter Dilex Base. Was this detail included by accident? The only situation where there is tile on floors is the quarry tile kitchen which has cove base specified on top of it. The Dilex would not work in this situation.	Hagerman	A/E Team	10/28/2024		Clarified in Addendum 03.
012	Pending	Cut 4 on A11.1F shows the RT/SC transition and calls for the slab to be ground down 2-3’ back to create a flush slab. Who is responsible for the grinding	Hagerman	Hagerman	10/28/2024		This grinding should be completed by BI#7.
013	Pending	Looking at drawing A1.1F demo note D102... confirming that the concrete fill is by bid package #3 (general trades) and not by bid package #7 (flooring), correct?	Hagerman	Hagerman	10/31/2024		Confirmed, Concrete is by BP#3.
014	Pending	Please provide specifications for the Fire Extinguisher Cabinets, Fire Extinguishers and Projection Screens.	Hagerman	A/E Team	10/31/2024		Clarified in Addendum 03.
015	Pending	Bid item #6 item #3 – please clarify if this 10x10 glass mesh is just fiberglass tape.	Hagerman	Hagerman	11/1/2024		Confirmed, please use Fiberglass Tape.
016	Pending	Bid item #6 item #11 – this item should be in the drywall and framing bid package. Can this be removed from bid item #6?	Hagerman	Hagerman	11/1/2024		Yes, Delete item #11 from Bid Item #6. All Drywall Expansion joints to be furnish and installed by Bid item #5.

017	Pending	Bid item #3 item #13 – there is no intumescent paint in this project. Can this item be removed from this bid item.	Hagerman	Hagerman	11/1/2024		If no intumescent is shown on the drawings then it does not need to be included.
018	Pending	Can you please advise the basis of design for the ceiling baffles per note 95100-1?	Hagerman	A/E Team	11/1/2024		Clarified in Addendum 03.
019	Pending	Detail 4 on A6.2 do you want the top of booth axon to be laminated or just the ceiling?	Hagerman	A/E Team	11/1/2024		Clarified in Addendum 03.
020	Pending	Is the framing in the booth axon to be metal stud or what is that wall to be constructed of? I have constructability concerns in spanning that far without an intermediate wall.	Hagerman	A/E Team	11/1/2024		Clarified in Addendum 03.
021	Pending	Bonding Revision	Hagerman	Hagerman	11/1/2024		Bid bonds will not be required as part of this project. Please provide 100% P&P Bond.

