CENTRAL HIGH SCHOOL CAFETERIA REMODEL

TULSA PUBLIC SCHOOLS 3101 W. EDISION ST. TULSA, Ok 74127

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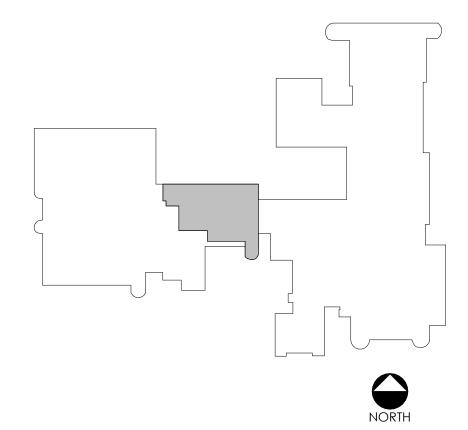
FIRE PROTECTION

FP101 CAFETERIA - FIRE PROTECTION PLAN

GENERAL NOTES:

- THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
- 2. BEFORE STARTING EACH PORTION OF THE WORK, CAREFULLY STUDY AND COMPARE THE VARIOUS CONTRACT DOCUMENTS RELATIVE TO THAT PORTION OF THE WORK, TAKE FIELD MEASUREMENTS OF EXISTING CONDITIONS RELATED TO THAT PORTION OF THE WORK, AND OBSERVE ANY CONDTIONS AT THE SITE AFFECTING IT. THESE OBLIGATIONS ARE FOR THE PURPOSE OF FACILITATING COORDINATION AND CONSTRUCTION. PROPMPTLY REPORT TO ARCHITECTE ERRORS, INCONSISTENCES AND OMISSONS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR, AS A REQUES FOR INFORMATION (RFI) IN SUCH FORM AS THE ARCITECT MAY REQUIRE.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, FITTING OR PATCHING REQUIRED TO COMPLETE THE WORK AND TO MAKE ITS PARTS FIT TOGETHER PROPPERLY. AREAS REQUIRING CUTTING AND PATCHING, SHALL BE RESTORED TO CONDITIONS EXISTING PRIOR TO CUTTING, FITTING AND PATCHING, UNLESS OTHERWISE REQUIRED BY CONTRACT DOCUMENTS.
- 5. UNLESS OTHERWISE NOTED DIMENSIONS ARE TO FACE OF FRAMING, MASONRY AND FACE OF CONCRETE. DIMENSIONS MARKED "CLEAR" SHALL BE MAINTAINED AND SHALL ALLOW FOR
- EXISTING AND PROPOSED ELEVATION HEIGHTS OCCUR FROM THE LEVEL INDICATED IN THE DOCUMENTS.

KEY PLAN



SCOPE OF WORK NOTES:

- IN EXISTING CAFETERIA SEATING AREA, EXISTING LAY-IN CEILING GRID TO REMAIN. REMOVE AND REPLACE EXISTING CEILING TILE. REFER TO ELECTRICAL FOR LIGHT
- KITCHEN EQUIPMENT WILL BE REMOVED AND REPLACED UNDER A SEPARATE CONTRACT. THE LOCATION OF THESE ITEMS ARE SHOWN IN THESE DOCUMENTS FOR COORDINATION AND UTILITY CONNECTION PURPOSES ONLY.

PROJECT TEAM:

OWNER:



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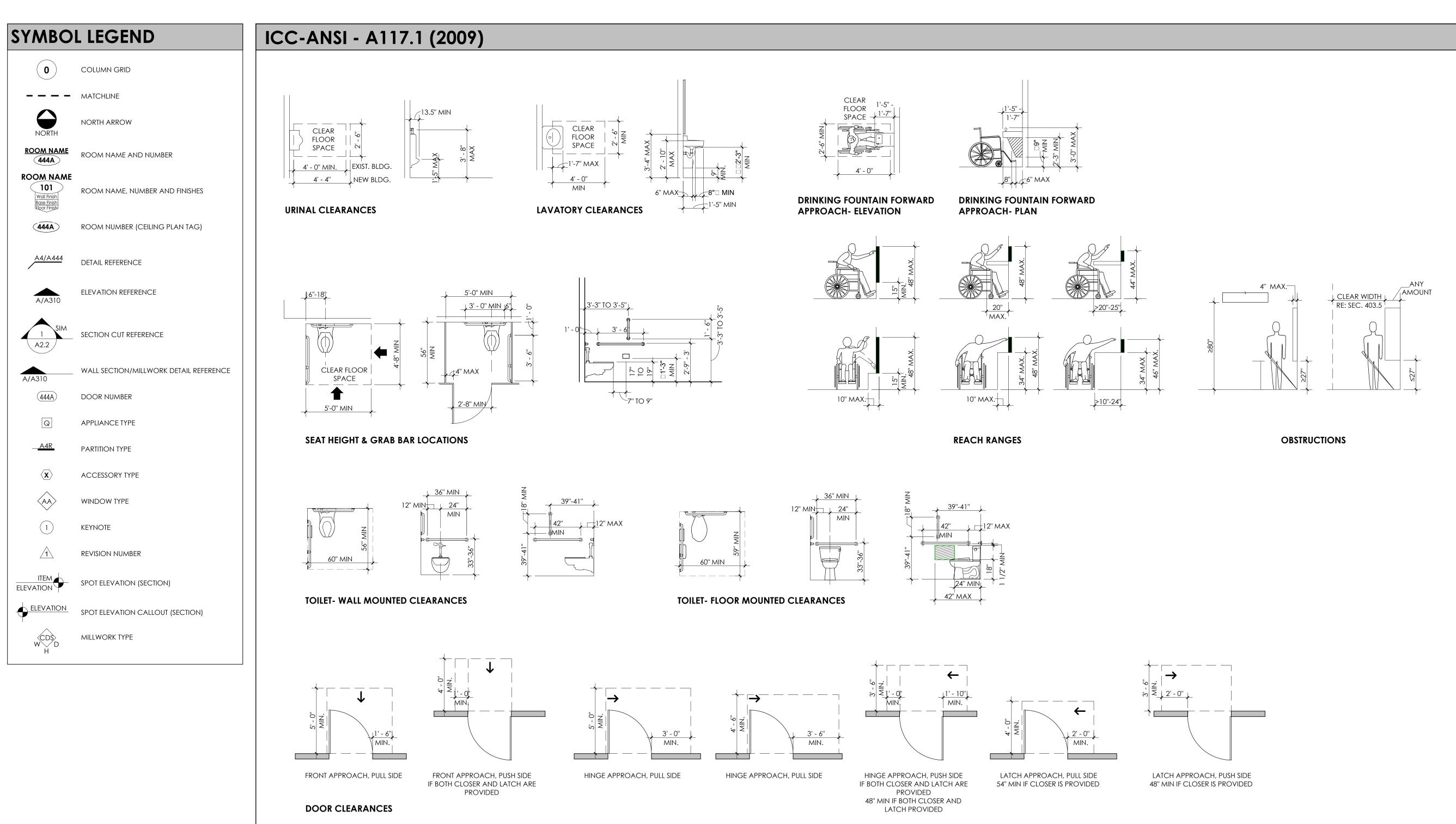
CONSTRUCTION MANAGER:



11.27.2024

COVER SHEET

ABBR	EVIATIONS										
AB	ANCHOR BOLT	СОМРТ	COMPARTMENT	FHC.	FIRE HOSE CABINET	Пп	LIVE LOAD, LOW LEVEL	PLYWD	PLYWOOD	ST	STAIN, STAIRS, STREET
ACST	ACOUSTIC(AL)	CONC	CONCRETE	FIN	FINISH	IIH	LONG LEG HORIZONTAL	PS	PROJECTION SCREEN	STD	STANDARD
ADDL	ADDITIONAL	CONC CTG	CONCRETE COATING	FLASH	FLASHING	IIV	LONG LEG VERTICAL	PSF	POUNDS PER SQUARE FOOT	STI	STEFI
ADDN	ADDITION	COND	CONDITION	FLR	FLOOR	IT IT	LIGHT	PSI	POUNDS PER SQUARE INCH	TZI ITZ	STEEL JOIST
ADH	ADHESIVE	CONT	CONTINUOUS	FP FP	FLAGPOLE	IVI	LEVEL	PT	PAINT	STL LNTL	STEEL LINTEL
ADJ	ADJACENT, ADJOINING, ADJUSTABLE	CONTR	CONTRACTOR	FRP	FIBERGLASS REINFORCED PLASTIC	IVR	LOUVER	PTD	PAPER TOWEL DISPENSER	STL PL	STEEL PLATE
AED	AUTOMATED EXTERNAL DEFIBRILLATOR	CORR	CORRIDOR	FIG	FOOTING	MAS	MASONRY	PTDR	PAPER TOWEL DISPENSER & RECEPTACLE	STL RF DK	STEEL ROOF DECK
AFF	ABOVE FINISH FLOOR	CPRS	COMPRESSIBLE	FURG C	FURRING CHANNEL	MATL	MATERIAL	PTN	PARTITION	STL TR	STEEL TRUSS
ALT	ALTERNATE	CPT	CARPET	FURN	FURNISH	MAX	MAXIMUM	PTR	PAPER TOWEL RECEPTACLE	STRUCT	STRUCTURAL
ALUM	ALUMINUM	CR	CLOSET ROD	FWC.	FABRIC WALLCOVERING	MR	MARKERBOARD	PVC	POLYVINYL CHLORIDE	SUSP	SUSPEND(ED)
ANCH	ANCHOR	CRS	COLD-ROLLED STEEL	GA	GAGE, GAUGE	MBH MBH	MOP/BROOM HOLDER	PVG	PAVING	SV/	SHEET VINYL
ANOD	ANODIZE(D)	CTR	CENTER(S)	GALV	GALVANIZED	MECH	MECHANICAL		QUARRY TILE	SWP	SHEET WALL PROTECTION
AP	ACCESS PANEL	CW	CURTAINWALL	GR	GRAB BAR	MED	MEDIUM	D D	RISER, RADIUS, THERMAL RESISTANCE (R-VALUE)	SYMM	SYMMETRICAL
APC	ACOUSTICAL PANEL CEILING		DEEP, DEPTH	GC	GENERAL CONTRACTOR	MEZZ	MEZZANINE	PR	RESILIENT BASE	SYNTH	SYNTHETIC
APPROX	APPROXIMATE APPROXIMATE		DISPLAY CASE	GFRC	GLASS-FIBER REINFORCED CONCRETE	MFR	MANUFACTURER	RCP	REFLECTED CEILING PLAN	T 3114111	TILE, TREAD
ASPH	ASPHALT	DET	DETAIL	GIRC	GLASS	NI K	MANHOLE	RD RD	ROOF DRAIN, ROAD	T&G	TONGUE AND GROOVE
AUTO	AUTOMATIC	DET	DETENTION	GL BLK	GLASS BLOCK		MIRROR	RFF	REFERENCE, REFRIGERATOR	120	TUB/SHOWER
AVG	AVERAGE	DE	DRINKING FOUNTAIN	GLZ CMU	GLASS BLOCK GLAZED CONCRETE MASONRY UNIT	MIN	MINIMUM, MINUTE	REINF	REINFORCE	TD	TOWEL BAR
AWT	ACOUSTICAL WALL TREATMENT	DIA	DIAMETER	GRFG	GLASS-FIBER REINFORCED GYPSUM	MISC	MISCELLANEOUS	REQD	REQUIRED	TD TD	TRENCH DRAIN
P.C	BRICK COLOR	DIM	DIMENSION	CT	GROUT	MO	MASONRY OPENING	KLQD	RESILIENT FLOORING	TER	TERRAZZO
DC C	BABY CHANGING STATION	DN	DOWN	GWH	GAS FIRED WATER HEATER	MOD	MODEL, MODULE, MODULAR	RFG	ROOFING	THK	THICKNESS
DC3	BOARD	DP	DECORATIVE PANEL	GYP BD	GYPSUM BOARD	MSB	MODEL, MODULE, MODULAR MOP SERVICE BASIN	I KFG	RIGHT HAND	TK BD	TACKBOARD
BITUM		DR DR		GIP BD		MISD	MOUNT	RO		TOD	TOP OF BEAM
2	BITUMINOUS BUILDING	DK	DOOR DOWNSPOUT	П	HIGH, HATCH (ROOF)	IMI AATI	METAIL	RSF	ROUGH OPENING RESINOUS FLOORING	TOC	
BLDG		DWG		HDNR	HOSE BIB	MIL	NEEDLE DISPOSAL UNIT	RST		TOC	TOP OF CONCRETE, TOP OF CURB
BLKG BOT	BLOCKING (WOOD) BOTTOM	DWG	DRAWING(S) FACH	HDNR	HARDENER HARDENER	NDU NIC	NOT IN CONTRACT	RTF	REINFORCING STEEL RESILIENT TILE FLOOR	TOM	TOP OF FOOTING TOP OF MASONRY
BRDG	BRIDGING	FHD	ELECTRIC HAND DRYER	HDW	HARDWARE	NO NO	NUMBER	RV	ROOF VENT, ROOF VENTILATOR	TOS	TOP OF MASONRY TOP OF SLAB, TOP OF STEEL
BRG	BEARING		EXPANSION JOINT	HDWD	HARDWOOD	NOM	NOMINAL	SC.	SEALED CONCRETE	TOW	TOP OF WALL
BRK PV	BRICK PAVERS		ELEVATION		HOLLOW METAIL	NOM	NOT TO SCALE	SCHED	SCHEDULE SCHEDULE	TD	TOILET PARTITION
BRKT		EL	ELECTRIC, ELECTRICAL	HORIZ	HORIZONTAL	INIS			SHOWER CURTAIN ROD	TDU	TOILET PARTITION TOILET PAPER HOLDER
	BRACKET	ELEC		HORIZ	HANDRAIL	OA OC	OVERALL	SCR		TD	
BSMT	BASEMENT BETWEEN	ELEV EMBED	ELEVATOR EMBEDMENT	HK	HEIGHT		ON CENTER OUTSIDE DIAMETER, OUTSIDE DIMENSION	SCWD SD	SOLID CORE WOOD DOOR	TC IK	TOWEL RACK TUBE STEEL, TRANSITION STRIP
BTWN		FMFR		HI		OD			SOAP DISPENSER	13 TVD	
BUR	BUILT UP ROOFING	FPDM	EMERGENCY	HTG	HEATING	OFD	OUTSIDE FACE	SECT	SECTION	ITP	TYPICAL THE OTHERWISE
CAB	CHALKBOARD		ETHYLENE PROPYLENE DIENE MONOMER	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	OFD	OVERFLOW DRAIN	SF CIT	STOREFRONT	UNO	UNLESS NOTED OTHERWISE
CB C	CHALKBOARD	EQ	EQUAL	ID	INSIDE DIAMETER, INSIDE DIMENSION	OH	OVERHEAD DOOR	SH	SHINGLES, SINGLE HUNG (WINDOW)	VCT	VINYL COMPOSITION TILE
CC	CUBICLE CURTAIN	EQUIP	EQUIPMENT STRUCTURE		INSIDE FACE	OH DR	OVERHEAD DOOR	SHT	SHEET	VERT	VERTICAL VERTICAL
CCT	CUBICLE CURTAIN TRACK	E3	EXPOSED STRUCTURE	INCL	INCLUDE(D)	OP!	OPERABLE PARTITION	SHTHG	SHEATHING	VIF	VERIFY IN FIELD
CFMF CG	COLD-FORMED METAL FRAMING	EW	EACH WAY	INSUL	INSULATION	OPH OPNG	OPPOSITE HAND	SHV	SHELVING SEALANT	VWC	VINYL WALL COVERING
	CORNER GUARD	EWC	ELECTRIC WATER COOLER	INI	INTERIOR	OPNG	OPENING	SLNT		W W	WIDE, WEST
CH	COATHOOK	EWH	ELECTRIC WATER HEATER	INV	INVERT	OPP	OPPOSITE OVER A CARDED OF THE CARD OF THE	SND	SANITARY NAPKIN DISPENSER	W/	WITH WITHOUT
CIP CONC	CAST-IN-PLACE CONCRETE	EXIST	EXISTING	JI	JOINT	OS	OVERFLOW SCUPPER	SNDU	SANITARY NAPKIN DISPOSAL UNIT	W/O	
Cl	CONTROL JOINT, CONSTRUCTION JOINT	EXP	EXPANSION	KD KD	KNOCKED DOWN	PC PC	PORTLAND CEMENT	SOG	SLAB ON GRADE	WC	WALL COVERING
CLG	CELING	EXI	EXTERIOR	KOP .	KNOCK OUT PANEL	PCC	PRECAST CONCRETE	SPCG	SPACING	WD	WOOD, WOOD DOOR
CLR	CLEAR	FAB	FABRIC	L	LONG, ANGLE	PERIM	PERIMETER	SPEC	SPECIFICATION	WDW	WINDOW
CMU	CONCRETE MASONRY UNIT	IFD IFD	FLOOR DRAIN	LAM	LAMINATE(D)	PJ	PROJECTOR	SPKR	SPEAKER	WG	WALL GUARD (INCLUDES BUMPER GUARDS, CHAIR RAILS, CRASH RAILS, ETC.)
CNTR	COUNTER	FDTN	FOUNDATION	LAV	LAVATORY	PL PL	PLATE	SQ	SQUARE	WP	WALL PATTERN, WATERPROOFING
CO	CLEAN OUT, CASED OPENING	FE	FIRE EXTINGUISHER	LH LH	LEFT HAND	PLAM	PLASTIC LAMINATE	SQ IN	SQUARE INCH	WT WT	WEIGHT, WINDOW TREATMENT
COL	COLUMN	FEC	FIRE EXTINGUISHER CABINET	LINO	LINOLEUM	PLAS	PLASTER		SERVICE SINK, SOLID SURFACING		·
СОМВ	COMBINATION, COMBINED		FINISH FACE	LKR	LOCKER	PLBG	PLUMBING	SST	STAINLESS STEEL, SHOWER SEAT	WWF	WELDED WIRE FABRIC

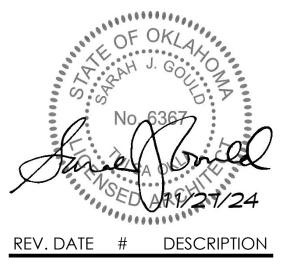


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CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

A240040

3101 W. EDISION ST. TULSA, Ok



11.27.2024

GENERAL NOTES

CODE SUMMARY CENTRAL HIGH SCHOOL CAFETERIA REMODEL PROJECT NAME: PROJECT ADDRESS: 3101 W. EDISON ST. TULSA, OK 74127 EXISTING USE: GROUP E - EDUCATIONAL **APPLICABLE CODES:** MODEL CODE <u>amendments</u> 2018 INTERNATIONAL BUILDING CODE CITY OF TULSA TITLE 51 BUILDING CODE: ACCESSIBILITY CODE: 2018 INTERNATIONAL EXISTING BUILDING CODE CITY OF TULSA TITLE 51 2009 ICC - ANSI A 117.1 ACCESSIBLE & USABLE BUILDINGS & FACILITIE, AND NONE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN FIRE CODE: 2018 INTERNATIONAL FIRE CODE CITY OF TULSA TITLE 14 FIRE ALARM CODE: 2016 NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE PLUMBING CODE: 2018 INTERNATIONAL PLUMBING CODE CITY OF TULSA TITLE 56 CITY OF TULSA TITLE 59 FUEL GAS CODE: 2018 INTERNATIONAL FUEL GAS CODE MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE CITY OF TULSA TITLE 59 ELECTRICAL CODE: 2020 NFPA 70 - NATIONAL ELECTRICAL CODE CITY OF TULSA TITLE 52 FOOD SERVICE: TULSA COUNTY HEALTH DEPARTMENT CODE CONSTRUCTION TYPE: TYPE II-B EXISTING / PER 903.3.1.1 & NFPA 13 - MODIFY EXISTING SYSTEM AS REQUIRED. EXISTING / PER 907.2.3 & NFPA 72 - MODIFY EXISTING SYSTEM AS REQUIRED.

FIRE PROTECTION SYSTEMS PROVIDED: FIRE SUPPRESSION: FIRE ALARM SYSTEM: CHAPTER 3: OCCUPANCY AND USE PRIMARY OCCUPANCY (IBC CHAPTER 3): EDUCATIONAL – GROUP E (SECTION 305.1) ACCESSORY USES (IBC CHAPTER 3 & SECTION 508.2): ASSEMBLY – GROUP A-2 (CAFETERIA) (SECTION 303.3) ASSEMBLY - GROUP A-3 (AUDITORIUM, LIBRARY) (SECTION 303.4) ASSEMBLY – GROUP A-4 (GYMNASIUM) (SECTION 303.5) (SECTION 304.1) BUSINESS – GROUP B (OFFICES) STORAGE (MODERATE HAZARD) – GROUP S-1 (SECTION 311.1) GROUP E ASSEMBLY USE (IBC SECTION 303.1.3): ASSEMBLY USES ASSOCIATED WITH GROUP E - EDUCATIONAL OCCUPANCIES ARE NOT CONSIDERED SEPARATE OCCUPANCIES ACCESSORY USES MAY NOT EXCEED 10% OF THE FLOOR AREA OF THE STORY THEY ACCESSORY USE AREAS (IBC SECTION 508.2.3): OCCUPY FOR EACH ACCESSORY USE AND MAY NOT EXCEED THE NON-SPRINKLERED TABULAR AREA ALLOWED IN TABLE 506.2. ACCESSORY USES CLASSIFIED AS GROUP E - EDUCATIONAL: OFFICES, BREAKROOM/TEACHER'S LOUNGE SEPARATION OF ACC. USES (IBC SECTION 508.2.4): NO SEPARATION IS REQUIRED BETWEEN MAIN USE AND ACCESSORY USES.

CHAPTER 5: GENERAL BUILDING AREAS AND HEIGHTS BASIC CODE INFORMATION CONSTRUCTION TYPE = OCCUPANCY = GROUP E - EDUCATIONAL FIRE SPRINKLERS PROVIDED? = YES TABULAR ALLOWABLE AREAS AND HEIGHTS: ACTUAL TABULAR REFERENCE COMPLIES? (Y/N) <u>ALLOWABLE</u> HEIGHT (FEET ABOVE GRADE PLANE) = 75 FEET TABLE 504.3 YES S_{α} HEIGHT (STORIES ABOVE GRADE PLANE) = 2 STORIES 3 STORIES TABLE 504.4 YES EXIST. AREAS CONFORM TO ALLOWABLE AREAS TABLE 506.2 $A_{t}AREA =$ YES THE STRUCTURE IS EXISTING AND IS: NOT BEING EXPANDED. NOT HAVING MORE THAN 50% OF THE TOTAL GROSS FLOOR AREA OF THE FLOOR WHERE WORK IS OCCURRING MODIFIED.

CHAPTER 6: TYPES OF CONSTRUCTION (AND FIRE RESISTANCE RATINGS) CONSTRUCTION TYPE = II-B. (IBC SECTION 602.2) FIRE PROTECTION REQUIREMENTS (IBC TABLE 601, U.N.O.) REQUIRED RATING PROVIDED RATING NOTES PRIMARY STRUCTURAL FRAME 0 HOURS (INCLUDES COLUMNS, BEAMS & GIRDERS CONNECTED TO COLUMNS) BEARING WALLS EXTERIOR (PER TABLE 602) 0 HOURS 0 HOURS NC / >30' FSD INTERIOR 0 HOURS 0 HOURS NON-BEARING WALLS EXTERIOR (PER TABLE 602) 0 HOURS 0 HOURS INTERIOR 0 HOURS 0 HOURS LOOR CONSTRUCTION 0 HOURS 0 HOURS (INCLUDES ASSOCIATED SECONDARY FRAMING) ROOF CONSTRUCTION 0 HOURS 0 HOURS (INCLUDES ASSOCIATED SECONDARY FRAMING) NC = NON-COMBUSTIBLE FSD = FIRE SEPARATION DISTANCE TO PROPERTY LINES OR OPEN PUBLIC SPACES/RIGHTS OF WAY

CHAPTER 8: INTERIOR FINISHES

SECTION 803.1 - FLAME SPREAD AND SMOKE DEVELOPED INDEX

CLASS A = FLAME SPREAD INDEX: 0-25 SMOKE DEVELOPED INDEX: 0-450

CLASS B = FLAME SPREAD INDEX: 26-75 SMOKE DEVELOPED INDEX: 0-450

CLASS C = FLAME SPREAD INDEX: 76-200 SMOKE DEVELOPED INDEX: 0-450

TABLE 803.13 - FLAMESPREAD AND SMOKE DEVELOPED INDEX REQUIREMENTS

OCCUPANCY: GROUP E - EDUCATIONAL

SPRINKLERED: YES

LIMITED QUANTITIES OF COMBUSTIBLE MATERIALS SHALL BE PERMITTED IN BUILDINGS OF TYPE I OR II CONSTRUCTION, PROVIDED THYE ARE

CHAPTER 9: FIRE PROTECTION SYSTEMS

INTERIOR EXIT STAIRWAYS/RAMPS AND EXIT PASSAGEWAYS:

CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS/RAMPS:

MATERIAL FINISH CLASSIFICATIONS REQUIRED:

ROOMS AND ENCLOSED SPACES:

SECTION 603 - COMBUSTIBLE MATERIALS IN TYPES I AND II CONSTRUCTION

CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS

THE PROVISIONS OF IBC CHAPTER 9 SHALL GOVERN THE INSTALLATION, REPAIR, MODIFICATION, OPERATION AND MONITORING OF ALL FIRE SUPPRESSION, EXTINGUISHING AND ALARM SYSTEMS.

CLASS B

CLASS C CLASS C

PERSONS SHALL NOT REMOVE OR MODIFY ANY EXISTING FIRE PROTECTION SYSTEM INSTALLED OR MAINTAINED UNDER THE PROVISIONS OF THIS CODE OR THE INTERNATIONAL FIRE CODE WITHOUT APPROVAL BY THE BUILDING OFFICIAL. (IBC SECTION 901.3)

SECTION 903 - AUTOMATIC SPRINKLER SYSTEMS

AN AUTOMATIC FIRE SUPPRESSION SYSTEM IS REQUIRED PER IBC SECTION 903.2.3 FOR GROUP E - EDUCATIONAL OCCUPANCIES. (IBC SECTION 903.2.3)

SPRINKLER DESIGN STANDARD: NFPA 13 (2016 EDITION) (IBC SECTION 903.3.1.1)

THE GENERAL CONTRACTOR IS TO ENGAGE A LICENSED FIRE SPRINKLER INSTALLER TO CONDUCT ALL DESIGN, MODIFICATIONS TO THE EXISTING FIRE SUPPRESSION SYSTEMS AND INSTALLATION OF NEW WORK UNDER A SEPARATE TRADE PERMIT AS REQUIRED BY THE STATE OF OKLAHOMA AND CITY OF TULSA.

SECTION 906 - PORTABLE FIRE EXTINGUISHERS

PORTABLE FIRE EXTINGUISHER ARE REQUIRED PER IBC SECTION 906.1 AND INSTALLED PER IBC SECTIONS 906.5 THROUGH 906.10. QUANTITIES REQUIRED PER IBC TABLE 906.3(1) FOR AN ORDINARY (MODERATE) HAZARD OCCUPANCY & NFPA 10.

THE AUTHORITY HAVING JURISDICTION SHALL APPROVE EXTINGUISHER/EXTINGUISHER CABINET LOCATIONS - REFER TO LIFE SAFETY PLANS.

IF MORE EXTINGUISHERS ARE REQUESTED AT OCCUPANCY INSPECTION, THE CONTRACTOR IS TO INSTALL THEM AS REQUIRED.

SECTION 907 - FIRE ALARM AND DETECTION SYSTEMS

AND AUTOMATIC SMALLE DETECTION SYSTEMS REQUIRED BETTER SECTION 607 0.8 0.1 INSTALL ATION STANDARD IS DED. IN FIRM 70.4 AND

AN AUTOMATIC SMOKE DETECTION SYSTEM IS REQUIRED PER IBC SECTION 907.2.8.2. INSTALLATION STANDARD IS PER NFPA 72 AND SECTION 907 OF THE INTERNATIONAL BUILDING AND FIRE CODES.

THE GENERAL CONTRACTOR IS TO ENGAGE A LICENSED FIRE ALARM INSTALLER TO CONDUCT ALL DESIGN, MODIFICATIONS TO THE

THE GENERAL CONTRACTOR IS TO ENGAGE A LICENSED FIRE ALARM INSTALLER TO CONDUCT ALL DESIGN, MODIFICATIONS TO THE EXISTING FIRE DETECTION AND ALARM SYSTEMS AND INSTALLATION OF NEW WORK UNDER A SEPARATE TRADE PERMIT AS REQUIRED BY THE STATE OF OKLAHOMA AND CITY OF TULSA.

CHAPTER 10: MEANS OF EGRESS

SECTION 1003 - GENERAL MEANS OF EGRESS

SECTION 1005 - MEANS OF EGRESS SIZING

EXIT AND THE EXIT DISCHARGE. IN ADDITION, COMPLIANCE WITH DETAILED REQUIREMENTS ELSEWHERE IN CHAPTER 10 ARE REQUIRED AS WELL. (SECTION 1003.1)

SECTION 1004 - OCCUPANT LOAD
REFER TO SHEET G010 FOR OCCUPANT LOAD CALCULATIONS.

THE REQUIRED OCCUPANT LOAD FACTOR FOR EGRESS WIDTH ARE AS FOLLOWS:

FOR STAIRS/RAMPS:

0.30" / OCCUPANT (SECTION 1005.3.1)

FOR ALL OTHER EGRESS COMPONENTS: 0.20" / OCCUPANT (SECTION 1005.3.2)

WHERE MORE THAN ONE EXIT IS PRESENT, THE LOSS OF ONE SINGLE EXIT SHALL NOT REDUCE THE REQUIRED EGRESS WIDTH CAPACITY TO

THE GENERAL REQUIREMENTS OF SECTION 1003 APPLY TO ALL THREE ASPECTS OF THE MEANS OF EGRESS SYSTEMS: THE EXIT ACCESS, THE

REQUIRED EGRESS WIDTH

GROUP E = 75 FEET

LESS THAN 50%. (SECTION 1005.5)

CAFETERIA 483.16 OCC. x 0.2" = 96.63"/ 3 EXITS = 32.21" EA

ACTUAL WIDTH PROVIDED = REFER TO A/G010

SECTION 1006 - NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE FOR SPACES WITH ONE EXIT IN A SPRINKLED BUILDING

(TABLE 1006.2.1)

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY (TABLE 1006.3.1)

≤ 500 OCCUPANTS = 2 EXITS 501-1000 OCCUPANTS = 3 EXITS >1000 OCCUPANTS = 4 EXITS

SECTION 1009 - ACCESSIBLE MEANS OF EGRESS

SECTION 1007 - EXIT AND EXIT ACCESS CONFIGURATION

MULTIPLE EXITS FROM A SPACE OR STORY OF A BUILDING MUST BE SEPARATED BY A MINIMUM OF 1/3 THE DIAGONAL DISTANCE OF THE ROOM OR STORY THEY SERVE. (SECTION 1007.1.1, EXCEPTION 2)

SECTION 1008 - MEANS OF EGRESS ILLUMINATION

ILLUMINATION OF EGRESS PATHS INCLUDING ALL THREE PHASES OF THE MEANS OF EGRESS SHALL BE ILLUMINATED TO 1 FOOTCANDLE (11 LUX) AT THE WALKING SURFACE. (SECTION 1008.2.1)

EMERGENCY EGRESS ILLUMINATION SHALL BE PROVIDED BACKUP POWER FOR A MINIMUM OF 90 MINUTES, AND INSTALLED IN

ACCORDANCE WITH SECTION 2702. (SECTIONS 1008.3/1008.3.4)

WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED BY SECTIONS 1006.2 OR 1006.3 FOR AN ACCESSIBLE SPACE, THE SPACE SHALL BE SERVED BY NO LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.

A CUI DECUIDED, A COESCIDIE A FANIS OF ECDESS SHALL BE CONTINUOUS TO A DUBLIC WAY (SECTION 1999 S)

EACH REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE CONTINUOUS TO A PUBLIC WAY. (SECTION 1009.2)

SECTION 1010 - DOORS, GATES AND TURNSTILES
ALL DOORS WITHIN THE BUILDING COMPLY WITH SECTION 1010.

SECTION 1013 - EXIT SIGNS

ALL EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN INSTALLED SUCH THAT THEY ARE READILY APPARENT,

CLEAR AND INDICATE THE DIRECTION OF EGRESS. EXIT SIGNAGE IS NOT REQUIRED IN ROOMS OR SPACES THAT REQUIRE ONLY ONE EXIT OR

EXIT ACCESS. (1013.1, EXCEPTION 1)

TACTILE EXIT SIGNS IN CONFORMANCE WITH THE ICC-ANSI A117.1 SHALL BE INSTALLED ADJACENT TO ACCESS TO ANY EXIT, EXIT PASSAGEWAY, EXIT STAIRWAY, RAMP OR EXIT DISCHARGE. (SECTION 1013.4)

INTERNALLY LIT EXIT SIGNAGE SHALL COMPLY WITH SECTION 1013.5 AND LISTED IN ACCORDANCE WITH UL 924.

EXIT SIGNS SHALL BE LIT AT ALL TIMES, WITH A ILLUMINATION INTENSITY OF NOT LESS THAN 5 FOOTCANDLES (54 LUX), COMPLY WITH THE GRAPHICS REQUIREMENTS OF SECTION 1013.6.1 AND SHALL REMAIN LIT WITH BACKUP POWER FOR A MINIMUM OF 90 MINUTES IN THE EVENT OF POWER LOSS. EMERGENCY POWER MAY BE SUPPLIED ANY APPROVED BACKUP SOURCE PERMITTED IN THE CODE. (SECTIONS 1013.6, 1013.6.1 THROUGH 1013.6.3.)

EXIT ACCESS ARRANGEMENT SHALL COMPLY TO THE PROVISIONS OF SECTIONS 1016 THROUGH 1021 AS REQUIRED. (SECTION 1016.1)

EXIT ACCESS SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR SPACES UNLESS THE SPACES ARE ACCESSORY TO ONE OR THE OTHER, NOT A GROUP H OCCUPANCY AND PROVIDE A DISCERNABLE PATH TO AN EXIT. EXIT ACCESS MAY NOT PASS THROUGH A SPACE THAT CAN BE LOCKED TO PREVENT EGRESS. EGRESS SHALL NOT PASS THROUGH KITCHEN SPACES, STORAGE ROOMS, CLOSETS OR

SECTION 1017 - EXIT ACCESS TRAVEL DISTANCE

MAXIMUM TRAVEL DISTANCE FOR SPACES IN A SPRINKLED BUILDING PER TABLE 1017.2:

GROUP E = 250 FEET

SPACES USED FOR SIMILAR PURPOSES. (SECTIONS 1016.2.2, 1016.2.3, AND 1016.2.5)

SECTION 1020 - CORRIDORS

FIRE RESISTANCE RATING OF CORRIDOR WALLS IS REQUIRED IN GROUP E OCCUPANCIES WHEN THE OCCUPANT LOAD SERVED IS GREATER THAN 30 IN A SPRINKLED CONDITION. (TABLE 1020.1)

THE MINIMUM CORRIDOR WIDTH IS 72". (TABLE 1020.2)

DEAD-END CORRIDORS IN SPACES OF GROUP E OCCUPANCIES WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED SHALL NOT

EXCEED 50 FEET IN LENGTH. (SECTION 1020.4, EXCEPTION 2)

DEAD-END CORRIDORS SHALL NOT BE LIMITED IN LENGTH IF THE LENGTH IS LESS THAN 2.5 TIMES THE CORRIDOR'S WIDTH. (SECTION 1020.4,

DEAD-END CORRIDORS SHALL NOT BE LIMITED IN LENGTH IF THE LENGTH IS LESS THAN 2.5 TIMES THE CORRIDOR'S WIDTH. (SECTION 102 EXCEPTION 3)

SECTION 1022 - EXITS

EXITS PROVIDED COMPLY WITH SECTIONS 1022 THOUGH 1027 AND APPLICABLE REQUIREMENTS OF SECTION 1003 THROUGH 1015, AND MAY NOT BE USED FOR ANY PURPOSE THAT INTERFERES WITH ITS FUNCTION AS A MEANS OF EGRESS.

CHAPTERS 16, 18 THROUGH 23: STRUCTURAL DESIGN

REFER TO STRUCTURAL DRAWINGS FOR DESIGN INFORMATION REGARDING THE SYSTEMS AND MATERIALS BELOW IN STRUCTURAL USES:

• CHAPTER 16: STRUCTURAL DESIGN

CHAPTER 18: FOUNDATIONSCHAPTER 19: CONCRETE

CHAPTER 19: CONCRETE
 CHAPTER 20: ALUMINUM

CHAPTER 21: MASONRYCHAPTER 22: STEEL

CHAPTER 23: WOOD

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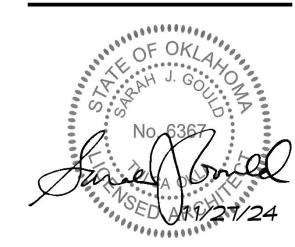
CERTIFICATE OF AUTHORIZATION

#534 EXPIRES 06/30/25

CENTRAL

SCHOOL

3101 W. EDISION ST. TULSA, Ok 74127



11.27.2024 · CD

CODE SUMMARY

G003

ROOM			ROOM AREA		OCCUPAN
NUMBER	ROOM NAME	Occupancy Type	(SF)	LOAD FACTOR	(OCC.
100	STAIRWAY	E (20 NET - CLASS ROOMS, NON-LAB, SHOP, VOCATIONAL)	492	20	24.60
101	HALLWAY	E (20 NET - CLASS ROOMS, NON-LAB, SHOP, VOCATIONAL)	1351	20	67.54
102	VESTIBULE	E (15 NET - TABLES & CHAIRS, NOT FIXED)	936	15	62.38
103	CAFETERIA SEATING	E (15 NET - TABLES & CHAIRS, NOT FIXED)	3115	15	207.68
104	SERVING LINE	E (5 NET - CAFETERIA QUEUEING AREA / SERVING LINE)	525	5	104.99
105	KITCHEN 1	E (200 GROSS - KITCHEN SPACES - ASSOCIATED WITH CAFETERIA)	842	200	4.21
106	KITCHEN 2	E (200 GROSS - KITCHEN SPACES - ASSOCIATED WITH CAFETERIA)	730	200	3.65
107	KITCHEN 3	E (200 GROSS - KITCHEN SPACES - ASSOCIATED WITH CAFETERIA)	420	200	2.10
108	FREEZER	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	92	300	0.31
109	FREEZER	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	91	300	0.30
110	KITCHEN 4	E (200 GROSS - KITCHEN SPACES - ASSOCIATED WITH CAFETERIA)	348	200	1.74
111	DRY STORAGE	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	71	300	0.24
112	KITCHEN HALLWAY	E (200 GROSS - KITCHEN SPACES - ASSOCIATED WITH CAFETERIA)	296	200	1.48
113	STORAGE	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	67	300	0.22
114	STORAGE	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	424	300	1.41
115	MOP CLOSET	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	53	300	0.18
116	LAUNDRY	S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)	28	300	0.09
TALS			9882	3175	483.14

CODE PLAN LEGEND:

E (5 NET - CAFETERIA QUEUEING AREA / SERVING LINE)

E (20 NET - CLASS ROOMS, NON-LAB, SHOP, VOCATIONAL)

E (200 GROSS - KITCHEN SPACES - ASSOCIATED WITH CAFETERIA)

S-1 (300 GROSS - STORAGE, MECHANICAL, EQUIPMENT)

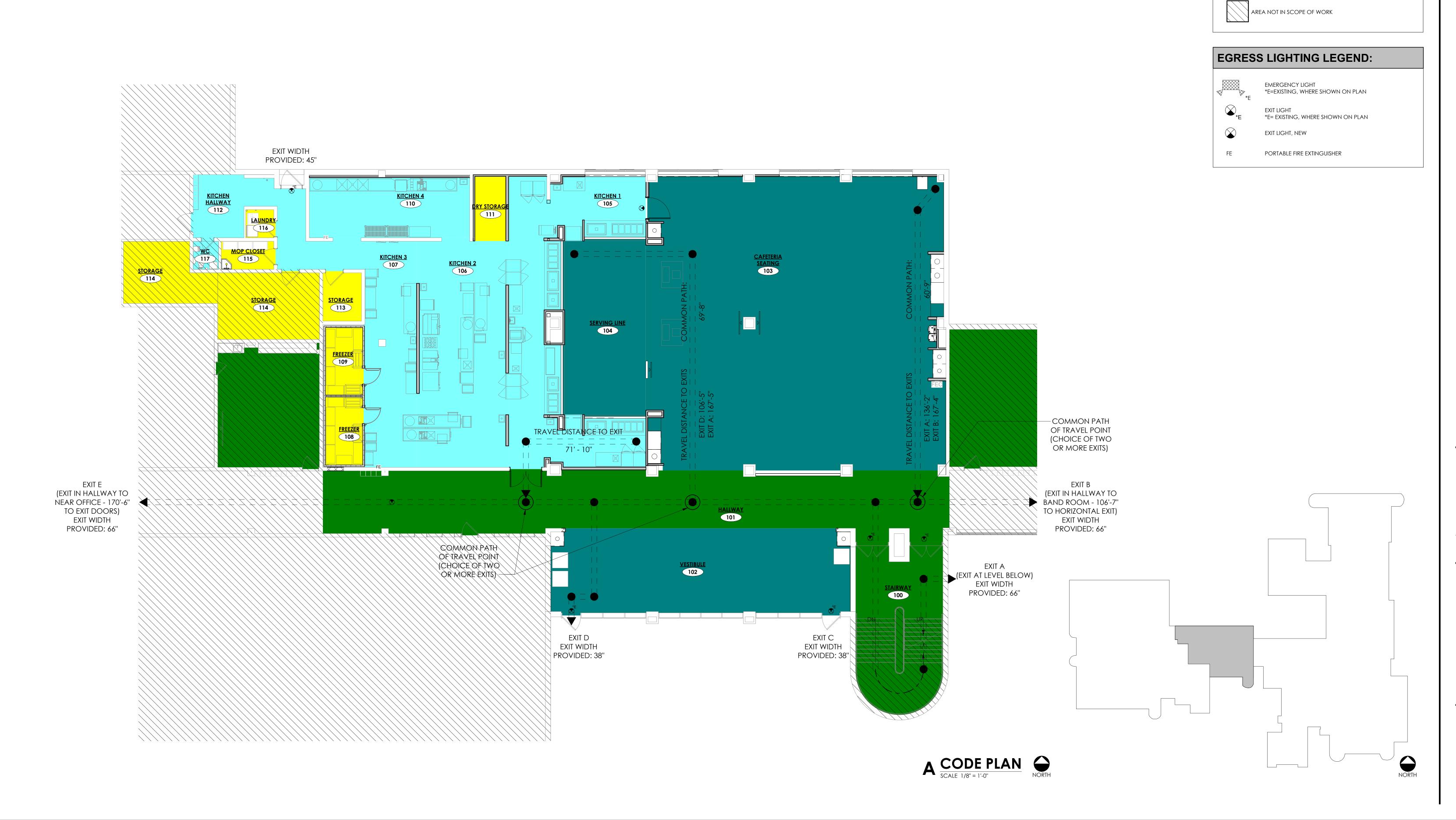
E (15 NET - TABLES & CHAIRS, NOT FIXED)



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#534 EXPIRES 06/30/25

CENTRAL HIGH SCHOOL CAFETERIA REMODEL



A240040

3101 W. EDISION ST. TULSA, Ok 74127



CODE PLANS AND SCHEDULES

G004

GENERAL NOTES

OVERALL NOTES

- 1. PRIOR TO BEGINNING ANY WORK OR ORDERING ANY MATERIALS, THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL DRAWINGS WITH THE DRAWINGS FROM THE ARCHITECT AND ALL OTHER TRADES. NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
- PRIOR TO STARTING WORK, THE CONTRACTOR SHALL VERIFY THE EXISTING SITE CONDITIONS AND CONSTRAINTS AS WELL AS EXISTING BUILDING LOCATION, DIMENSIONS, AND ELEVATIONS, IF ANY.
- THE CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. ALL TEMPORARY BRACING, SHORING, SUPPORTS, ETC. ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. NO FIELD REVISIONS OR MODIFICATIONS TO ANY STRUCTURAL COMPONENT SHALL BE PERFORMED WITHOUT PRIOR APPROVAL BY THE ENGINEER OF RECORD.
- 5. PLANS AND DETAILS SHALL NOT BE SCALED FOR DETERMINATION OF LENGTHS, QUANTITIES, OR CONFIGURATION OF MATERIALS.
- 6. THE CONTRACTOR SHALL SUPPLY ALL ITEMS FOR ATTACHING MECHANICAL AND ELECTRICAL EQUIPMENT TO THE STRUCTURE TO RESIST ALL LOADS, INCLUDING SEISMIC FORCES. COORDINATE THE LOCATION(S) AND REQUIRED ATTACHMENT(S) WITH THE STRUCTURE. REFER TO THE ELECTRICAL AND MECHANICAL DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
- 7. COORDINATE AND PROVIDE SLEEVE LAYOUTS FOR ALL PIPES, CONDUITS, OR ANY OTHER ITEMS PENETRATING THROUGH STRUCTURAL MEMBERS. LAYOUTS ARE TO BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

SHOP DRAWING NOTES

- 1. SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE CONTRACTOR, SUBCONTRACTOR, OR COMPONENT MANUFACTURER. REPRODUCTION OF THE DRAWINGS FOR USE AS SHOP DRAWINGS IS NOT PERMITTED AND WILL BE REJECTED WITHOUT BEING REVIEWED. IF THE CONTRACTOR REQUESTS CEC'S ELECTRONIC FILES TO ASSIST IN THEIR PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL FIRST BE REQUIRED TO SIGN AN AGREEMENT SUPPLIED BY CEC PROVIDING THE TERMS AND CONDITIONS OF THAT USE.
- 2. SHOP DRAWINGS SUBMITTED FOR REVIEW SHALL HAVE THE CONTRACTOR'S STAMP CERTIFYING THE GENERAL CONTRACTOR'S REVIEW OF THE SHOP DRAWINGS PRIOR TO SUBMITTING THE DOCUMENTS TO THE ENGINEER OF RECORD. AT A MINIMUM, THIS REVIEW SHALL CONSIST OF VERIFICATION OF ALL DIMENSIONS, FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, AND COORDINATION WITH OTHER TRADES. SHOP DRAWINGS SUBMITTED WITHOUT THE CONTRACTOR'S STAMP WILL BE REJECTED WITHOUT BEING REVIEWED.
- 3. SHOP DRAWINGS SHALL BE SUBMITTED ELECTRONICALLY AS PDF DOCUMENTS. ELECTRONIC SUBMITTALS WILL BE RETURNED TO THE CONTRACTOR IN A PDF FORMAT. HARD COPY SUBMITTALS, IF SUBMITTED, WILL BE SCANNED BY CEC AND REVIEW ELECTRONICALLY. NO HARD COPIES WILL BE MARKED UP BY CEC OR RETURNED TO THE CONTRACTOR.
- 4. EXPECTED SHOP DRAWINGS AND SUBMITTALS FOR REVIEW INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
- a. STRUCTURAL STEEL SHOP DRAWINGSb. POST-INSTALLED ANCHOR INSTALLER CERTIFICATIONS

POST-INSTALLED ANCHOR NOTES

- 1. ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- 2. HOLES IN THE BASE MATERIAL SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- 3. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
- 4. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED ON THE DOCUMENTS SHALL BE SUBMITTED BY THE CONTRACTOR AND SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. ADDITIONALLY, SUBSTITUTIONS WILL BE EVALUATED BY THE ICC ESR REPORT SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
- 5. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR WITHIN THE BASE MATERIAL. EXISTING REINFORCING SHALL NOT BE DAMAGED OR DISTURBED. THE CONTRACTOR SHALL REVIEW THE DRAWINGS, SHOP DRAWINGS, OR OTHER DOCUMENTATION TO DETERMINE THE LOCATION OF EXISTING REINFORCING. IF REINFORCING CANNOT BE LOCATED IN THIS METHOD, UTILIZE NON-DESTRUCTIVE METHODS TO LOCATE AND AVOID REINFORCING. CHIPPING OF EXISTING BASE MATERIAL SHALL ONLY BE USED WITH WRITTEN AUTHORIZATION.
- 6. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- 7. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

05 1200 STRUCTURAL STEEL FRAMING

- 1. U.N.O., FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," EDITION REFERENCED IN THE DESIGN CRITERIA, AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," EDITION REFERENCED IN THE DESIGN CRITERIA, AND THE STANDARDS OF THE AMERICAN WELDING SOCIETY.
- 2. ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED BY A FABRICATOR WITH EITHER AN AISC STD CERTIFICATION OR AN IAS AC172 CERTIFICATION. IF THE STEEL FABRICATOR DOES NOT HAVE THE REQUIRED CERTIFICATION, THE FABRICATOR SHALL PAY FOR THE "IN-PLANT" INSPECTIONS ASSOCIATED WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE IBC CODE.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS, U.N.O.:
- a. HSS TUBES ASTM A500 GRADE C Fy = 46 KSI
 b. CHANNEL ASTM A36 -- Fy = 36 KSI
 c. ALL OTHER SHAPES ASTM A36 --- Fy = 36 KSI
- 4. REFER TO THE SPECIFICATIONS FOR PAINTING AND SURFACE PREPARATION REQUIREMENTS. DO NOT PAINT DEFORMED BAR ANCHORS.
- 5. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL MEMBERS SHALL CONSIST OF ASTM A325-N BOLTS, U.N.O.
- 6. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARDS. ALL SHOP AND FIELD WELDS SHALL USE E70XX ELECTRODES. ALL WELDS SHALL BE PERFORMED BY A CERTIFIED WELDER AND CONFORM TO AISC AND AWS STANDARDS. ALL SHOP AND FULL PENETRATION BUTT WELDS SHALL BE INSPECTED BY ULTRASONIC TESTING UNLESS PROHIBITED BY THE GEOMETRY OF THE CONNECTION. IF ULTRASONIC TESTING CANNOT BE PERFORMED, X-RAY TESTING SHALL BE USED AT THE APPROVAL OF THE ARCHITECT/ENGINEER OF RECORD. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 7. STRUCTURAL STEEL CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE SELECTED FROM PART 10 TABLES 10-1, 10-2, OR 10-4 OF THE AISC MANUAL.
- 8. STRUCTURAL STEEL SHOP DRAWINGS SUBMITTED WITHOUT CONNECTION CALCULATIONS WILL NOT BE REVIEWED AND WILL BE RETURNED AS INCOMPLETE.
- 9. STRUCTURAL STEEL SHALL NOT BE SPLICED OTHER THAN WHERE NOTED ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
- 10. STEEL BEAMS SHALL BE ERECTED WITH THEIR NATURAL CAMBER UP.

DEMOLITION NOTES

- PRIOR TO STARTING WORK, THE CONTRACTOR SHALL VERIFY THE EXISTING SITE CONDITIONS AND CONSTRAINTS AS WELL AS EXISTING BUILDING LOCATION, DIMENSIONS, AND ELEVATIONS, IF ANY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF ANY HAZARDOUS CONDITIONS EXIST ON-SITE THAT MAY NEED ABATEMENT, SUCH AS LEAD-BASED PAINT OR ASBESTOS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ALL EXISTING WIRING, CONDUIT, OR OTHER NON-STRUCTURAL ITEMS AS NECESSARY TO PERFORM THE WORK DESCRIBED HEREIN.
- 4. THE PROJECT AREA SHALL BE MAINTAINED AS CLEAN AS POSSIBLE WITH DUST BEING LIMITED AS MUCH AS PRACTICAL. DEMOLITION SHALL PROCEED AS DIRECTED BY THE OWNER.

DESIGN CRITERIA

1. APPLICABLE BUILDING CODES

SELF WEIGHT OF STRUCTURE

MAGNITUDE

IBC 2018 INTERNATIONAL BUILDING CODE
IEBC 2018 INTERNATIONAL EXISTING BUILDING CODE
ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
AISC 303-16 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES
AISC 360-14 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

2. DEAD LOAD

ROOF COLLATERAL DEAD LOAD 5 PSF (ASSUMED)

3. LIVE LOAD

FLOOR
TYPICAL ROOF

60 PSF
20 PSF (NON-REDUCIBLE)

SECTION 403.3 - EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS
ALL LOADS ON EXISTING JAMBS AND FOUNDATIONS HAVE A NET DECREASE IN

4. ALTERATIONS TO THE EXISTING BUILDING PER IEBC 2015 SECTION 403

SECTION 403.4 - EXISTING STRUCTURAL ELEMENTS CARRYING LATERAL LOAD

NO MODIFICATIONS TO THE EXISTING ASSUMED LATERAL ELEMENTS (REINFORCED OR UNREINFORCED CMU WALLS)

ACTUAL WEIGHT OF MATERIALS

Ø	- DIAMETER	IBC	- INTERNATIONAL BUILDING
ı	- DEGREE - AND	IN-K	CODE - INCH KIPS
(D	- AND - AT	IN-K INT	- INCH KIFS - INTERIOR
3	- PLUS OR MINUS	11 1 1	- INTERIOR
Б.	ANOLIOD DOLT(O)	J.B.	- JOIST BEARING
.B. Cl	- ANCHOR BOLT(S) - AMERICAN CONCRETE	JST	- JOIST
.01	INSTITUTE	KIP	- 1000 POUNDS
\DJ	- ADJACENT	KSF	- KIPS PER SQUARE FOOT
JSC	- AMERICAN INSTITUTE OF		
NSI	STEEL CONSTRUCTION	LB LLH	- POUND
1101	- AMERICAN IRON AND STEEL INSTITUTE	LLH LLV	- LONG LEG HORIZONTAL - LONG LEG VERTICAL
RCH'L	- ARCHITECTURAL	LO	- LOW
SCE	- AMERICAN SOCIETY OF	-	
	CIVIL ENGINEERS	MANUF	- MANUFACTURER
STM	- AMERICAN SOCIETY OF	MAX	- MAXIMUM
MC	TESTING AND MATERIALS	MECH'L MIN	- MECHANICAL
ws	- AMERICAN WELDING SOCIETY	MIN MPII	- MINIMUM - MANUFACTURER'S PRINTED
BAL	- BALANCE	IVII" II	INSTALLATION INSTRUCTIONS
BLDG	- BUILDING		
BM	- BEAM	N.E.	- NORTHEAST
3.O.	- BOTTOM OF	N.W.	- NORTHWEST
BOTT BRG	- BOTTOM - BEARING	NO.	- NUMBER
BTWN	- BETWEEN	O.C.	- ON-CENTER
		O.H.	- OPPOSITE HAND (REVERSED)
CANT	- CANTILEVER	O. TO O.	- OUT-TO-OUT
CFMF	- COLD FORMED METAL FRAMING	D/O	DDEOACT
C.J. C. TO C.	- CONSTRUCTION JOINT	P/C	- PRECAST
CTR	- CENTER-TO-CENTER - CENTER	PEMB	- PRE-ENGINEERED METAL BUILDING
2	- CENTERLINE	PL	- PLATE
ČLR	- CLEAR	PSF	- POUNDS PER SQUARE FOOT
COL	- COLUMN	PSI	- POUNDS PER SQUARE INCH
CONC	- CONCRETE	DEINE	DEINEODOING
CONNX CONT	- CONNECTION - CONTINUOUS	REINF REQ'D	- REINFORCING - REQUIRED
20111	00111110000	I LQ D	NE & OINED
DBE	- DECK BEARING ELEVATION	S.E.	- SOUTHEAST
DBL	- DOUBLE	S.J.	- SAWED JOINT
D.B.A.	- DEFORMED BAR ANCHOR	SHT	- SHEET
ON OTL	- DOWN - DETAIL	SIM S.O.G.	- SIMILAR - SLAB-ON-GRADE
DWG	- DETAIL - DRAWING	S.O.G. SP	- SLAB-ON-GRADE - SPACE(S) OR SPACING
DWL	- DOWEL	STD	- STANDARD
		STL	- STEEL
EA _.	- EACH	STR'L	- STRUCTURAL
.J.	- EXPANSION JOINT - ELEVATION	S.W.	- SOUTHWEST
ELEV. ELEC'L		T.O.	- TOP OF
EOS	- EDGE OF SLAB	THRU	- TOP OF - THROUGH
EQ	- EQUAL	TYP	- TYPICAL
.W.	- EACH WAY		
XT	- EXTERIOR	USGS	- UNITED STATES GEOLOGICAL
IN. FLR.		LLNLO	SURVEY
T V	- FOOT (OR FEET) - FIELD VERIFY	U.N.O.	- UNLESS NOTED OTHERWISE
-		VERT	- VERTICAL
SA	- GAGE	W/	- WITH
SALV	- GALVANIZED	W/C	- WATER/CEMENT
6.B.	- GRADE BEAM	W/O	- WITHOUT
I.S.	- HIGH STRENGTH	W.P. WWR	- WORKING POINT - WELDED WIRE REINFORCEMENT
1.3. 	- HIGH STRENGTH - HIGH	V V V V I \	VALUED VAINT IVEINI ONOLIVIEIVI
iK	- HOOK		
IORZ	- HORIZONTAL		



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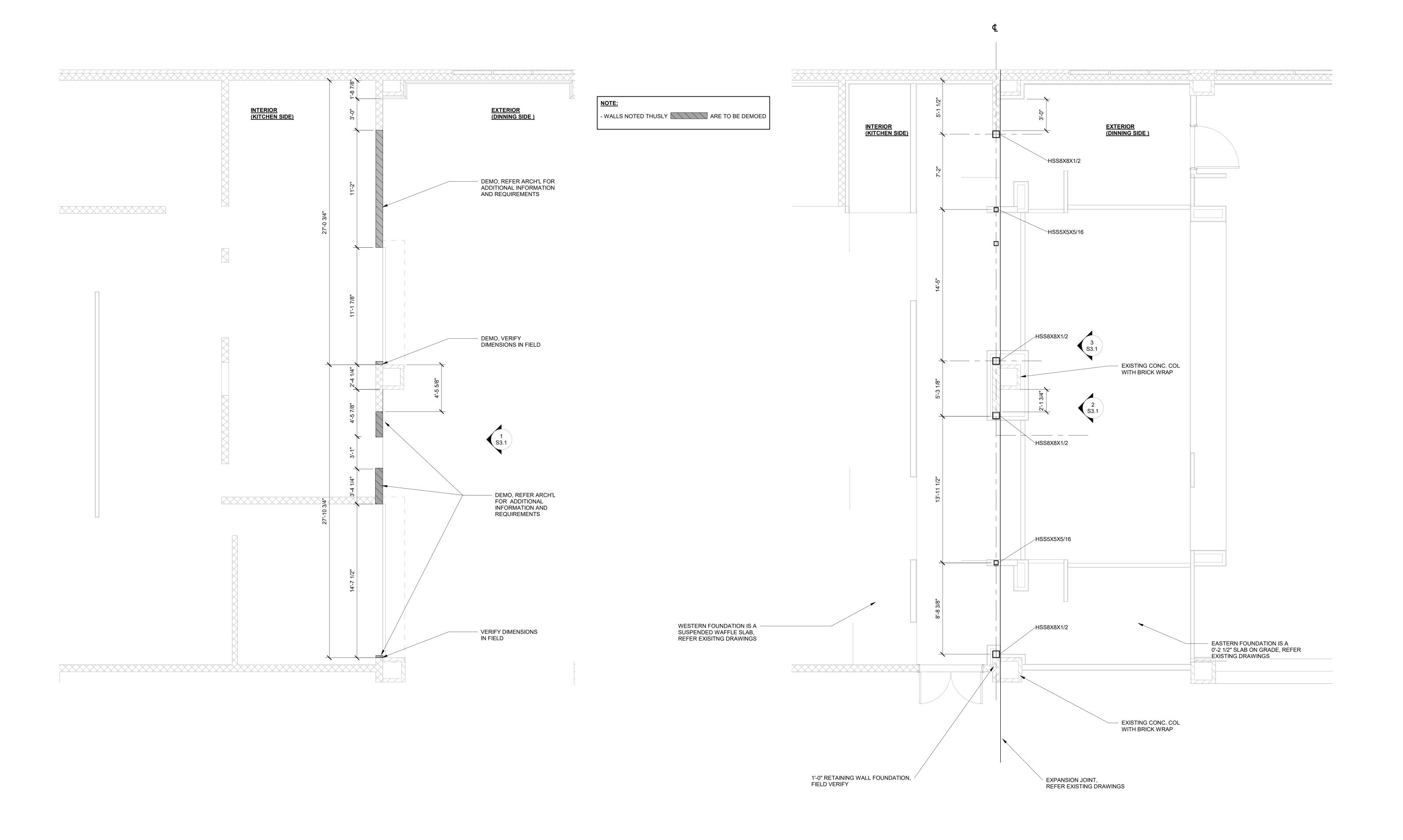


REV. DATE # DESCRIPTION

11.27.24

GENERAL NOTES

S1 1



POUNDATION PLAN

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



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CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

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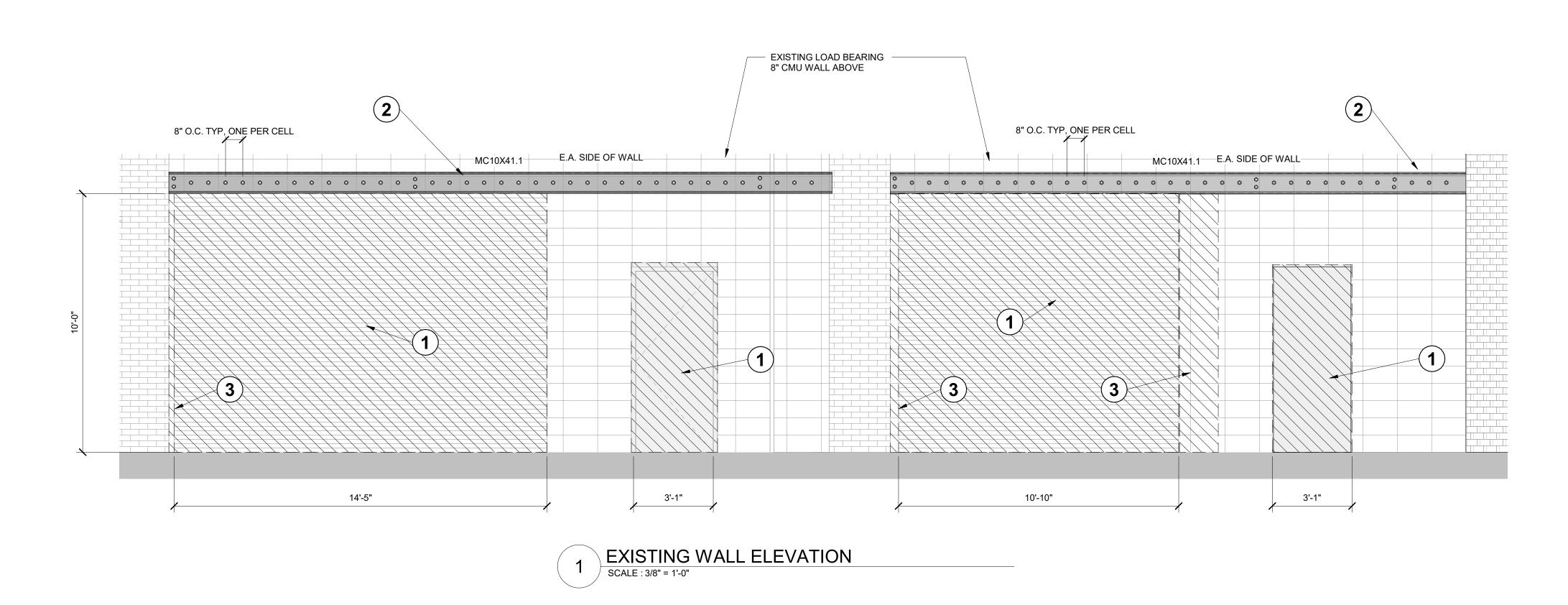
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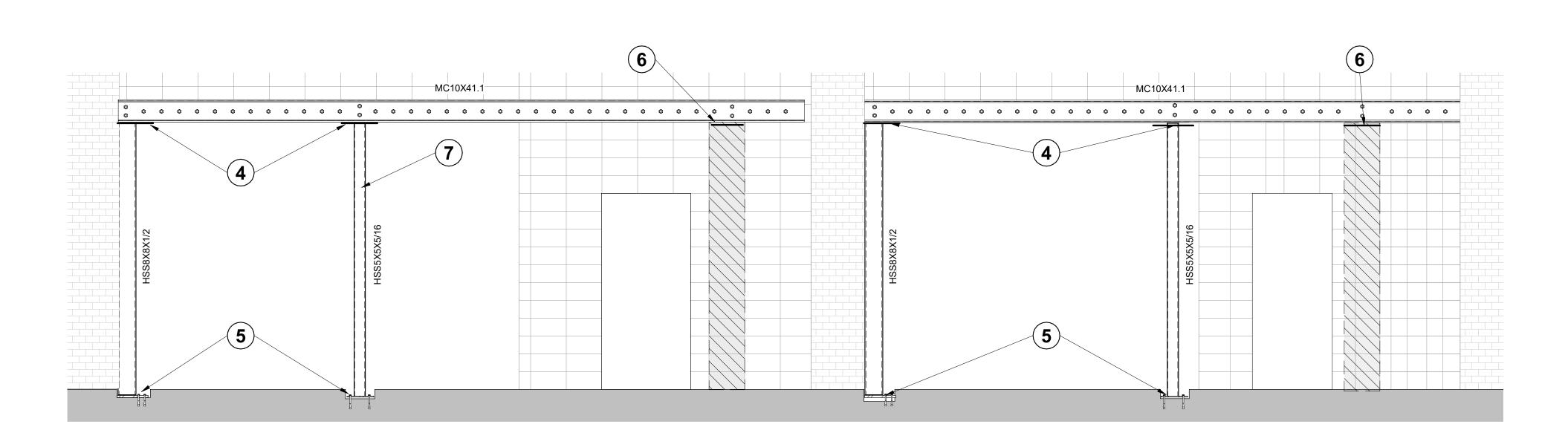
FOUNDATION PLAN

NORTH

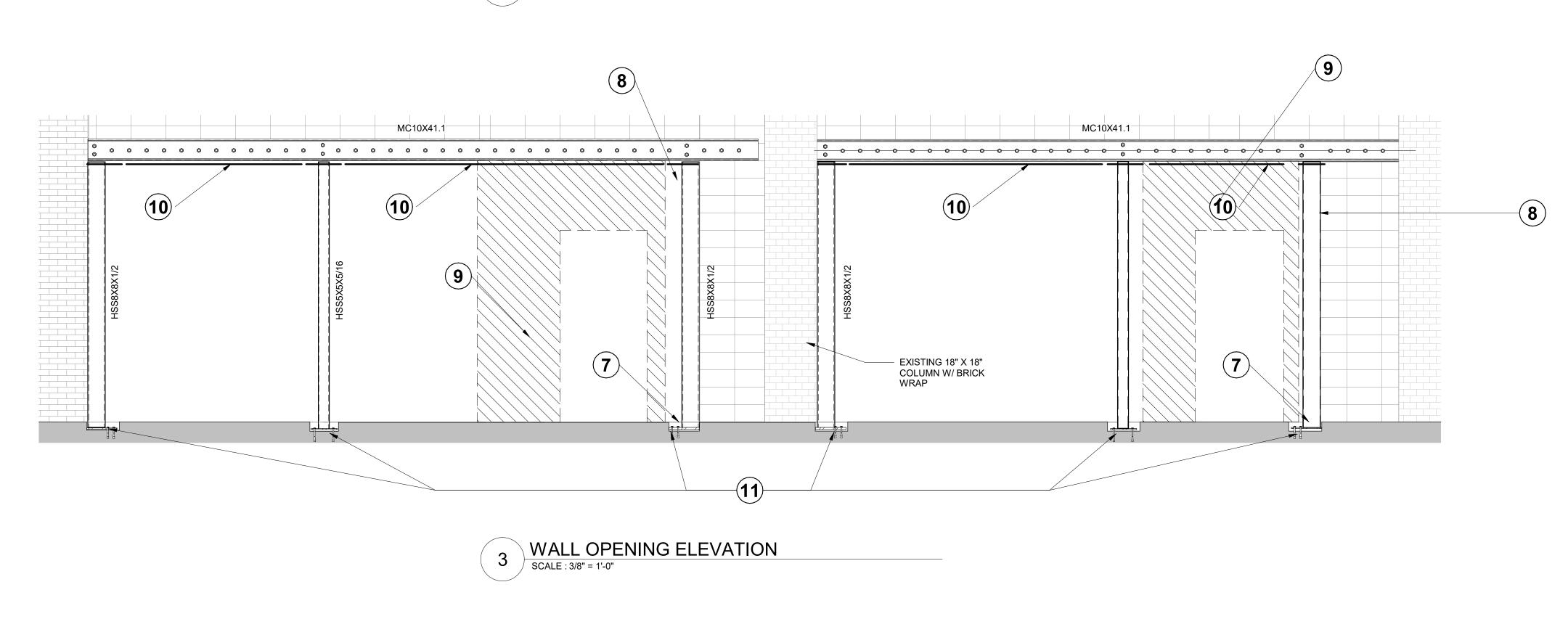
1 EXISTING DEMO PLAN

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











- 1. REMOVE EXISTING DOORS AND ROLLING GARAGE DOOR SYSTEMS.
- 2. INSTALL INTERIOR AND EXTERIOR STEEL CHANNELS AS SHOWN ON
- DETAIL 1/S3.2 A. CLEAN ALL EXCESS GROUT OR OTHER MATERIAL FOR A CLEAN AND FLUSH CONNECTION.
- 3. DEMO EXISTING CMU WALL AS NEEDED, MAX OF 2'-0", FOR INSTALLATION OF NEW PLATE AND COLUMNS. A. BEFORE BEGINNING DEMO, TEMPORARILY SHORE WALL AND NEW
- 4. INSTALL (4) SHORT PLATES AS SHOWN IN DETAIL 4/S3.2 AND 5/S3.2 AT THE LOCATION WHERE THE INTERIOR COLUMNS (HSS5X5X5/16 AND HSS8X8X1/2) WILL BE LOCATED ON THE MC10X40.1 LINTELS.
- 5. REMOVE EXISTING CONCRETE FROM FOUNDATION WALL FOR BASE PLATES AND INSTALLATION OF NEW STEEL COLUMNS
- A. IF REINFORCEMENT IS DETERMINED TO INTERFERE WITH BASE PLATE DESIGN, CONTACT STRUCTURAL ENGINEER ON RECORD. B. INSTALL CENTRAL COLUMNS (HSS5X5X5/16)
- C. USE LEVELING NUT TO GET CORRECT HEIGHTS AS REQUIRED a. COLUMN LENGTHS WILL VARY, BUT SHOULD NOT EXCEED 10' 4".
- 6. REMOVE PORTION OF EXISTING CMU OR MASONRY WALL NEXT TO INTERIOR COLUMNS AS REQUIRED FOR INSTALLATION OF STEEL PLATES SHOWN ON DETAIL 2/S3.2 AND 3/S3.2. A. REMOVE EXISTING FLOOR TILE AND OTHER ARCHITECTURAL MATERIAL.
- 7. DEMO EXISTING CONCRETE FROM FOUNDATION WALL FOR BASE PLATES AND INSTALLATION OF NEW STEEL COLUMNS A. IF REINFORCEMENT IS DETERMINED TO INTERFERE WITH BASE PLATE DESIGN, CONTACT STRUCTURAL ENGINEER ON RECORD
- 8. INSTALL JAMB COLUMNS. (HSS8X8X1/2) A. ONLY REMOVE SHORING AFTER GROUT HAS CURED UNDER NEW
- 9. DEMO REMAINING EXPOSED CMU WALL TO MATCH ARCH'L PLANS.
- 10. INSTALL (4) LONG STEEL PLATES AS SHOWN ON DETAIL 3/S3.2.
- 11. INFILL WITH GROUT OR CONCRETE TO SMOOTH FINISH OVER BASEPLATE

ELEVATION NOTES

- A. AT MASONRY WALL, REPOINT AND SEAL ALL CRACKS AS REQUIRED. B. EXISITNG STRUCTURAL DRAWINGS WERE NOT AVAILABLE AT THE TIME OF DESIGN, THEREFORE, BEFORE BEGINNING DEMOLITION IT IS ADVISED THAT THE CONTRACTOR SHALL DETERMINE WHICH CELLS ARE GROUTED AND TO PROVIDE AS-BUILT INFORMATION TO THE EOR FOR REVIEW.
- C. CONTRATOR SHALL USE CAUTION WHILE DEMOING THE CMU TO AVOID DAMAGING PARTS OF THE CMU WALL THAT ARE TO REMAIN.



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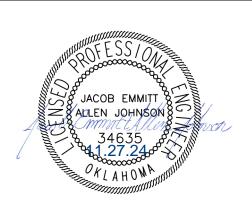
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CENTRAL HIGH SCHOOL **CAFETERIA REMODEL**

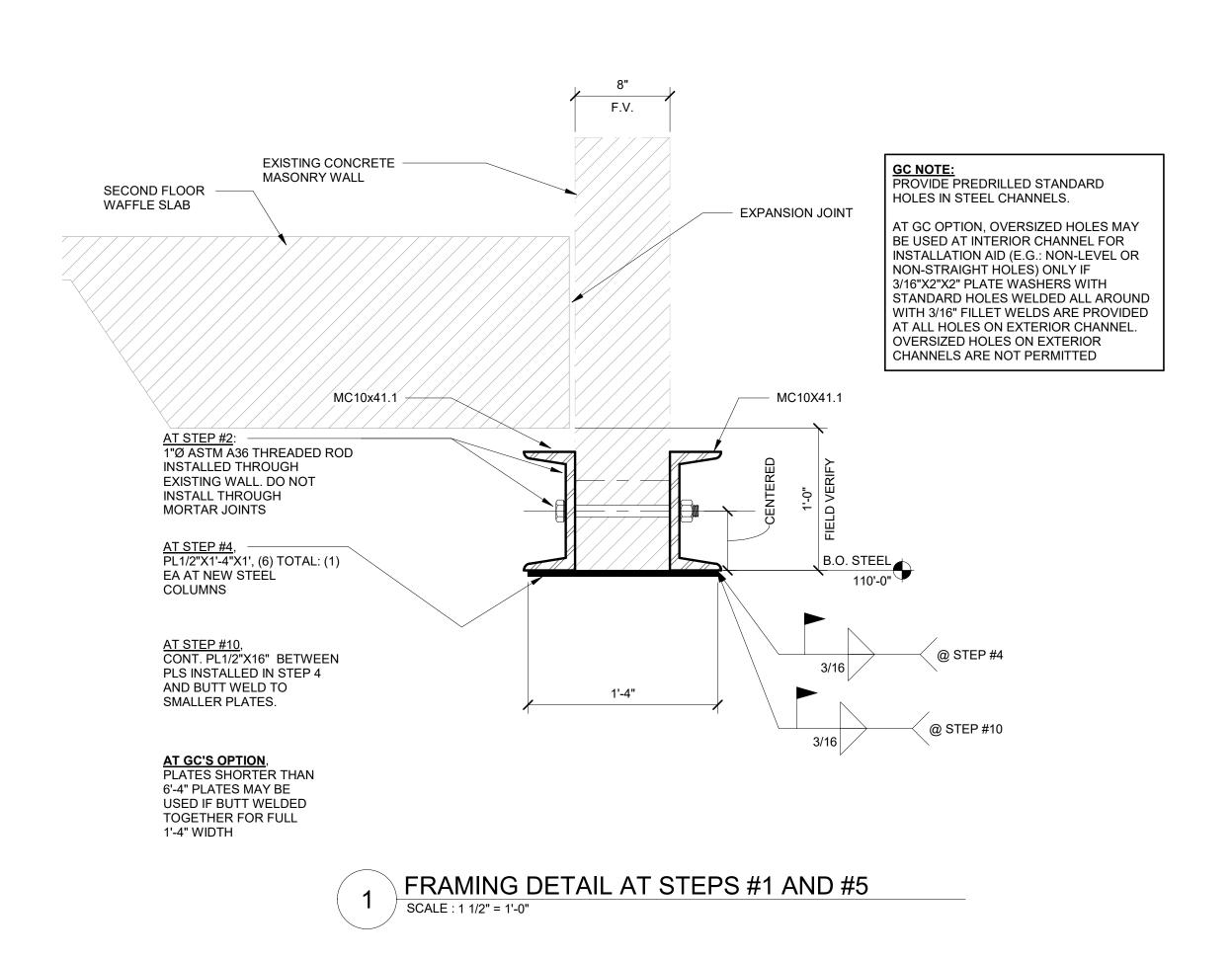
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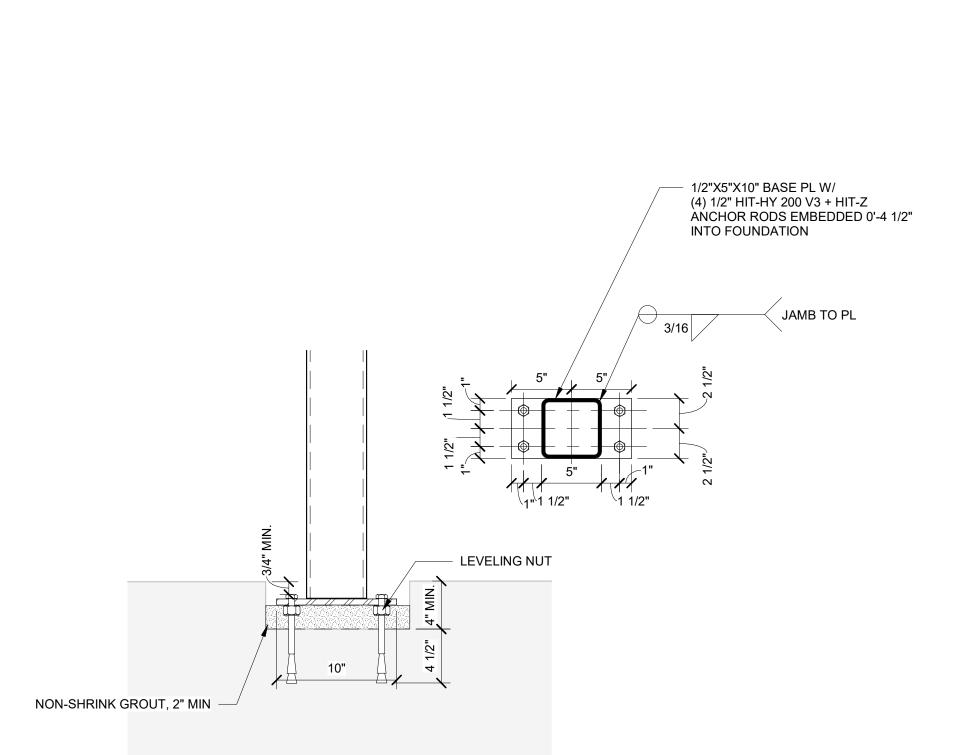
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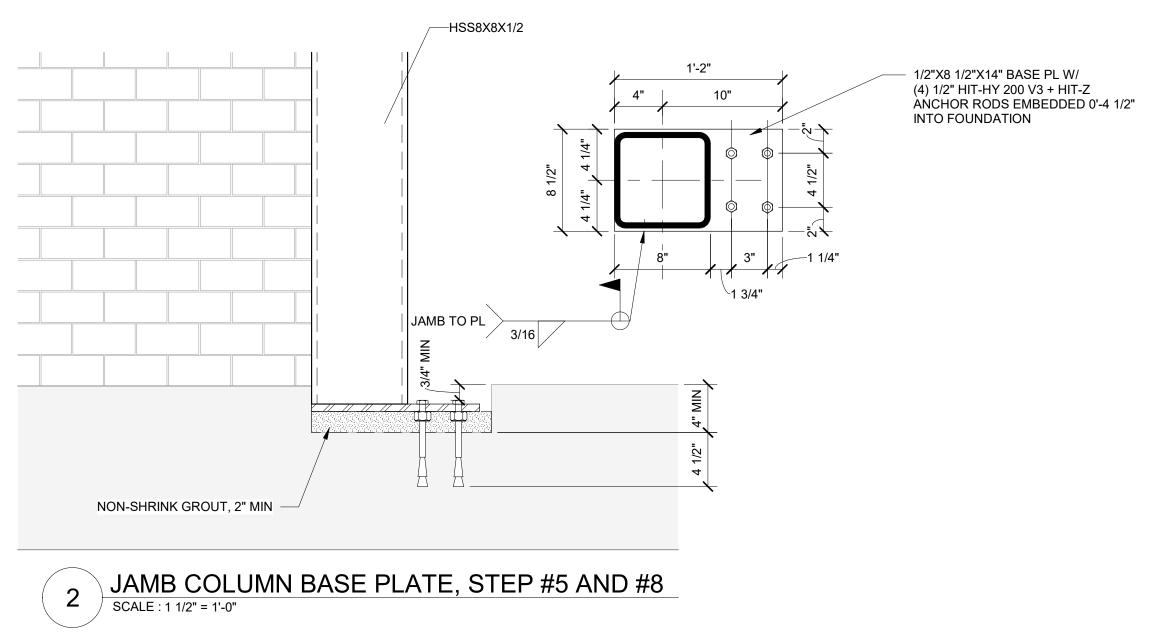
REV. DATE # DESCRIPTION

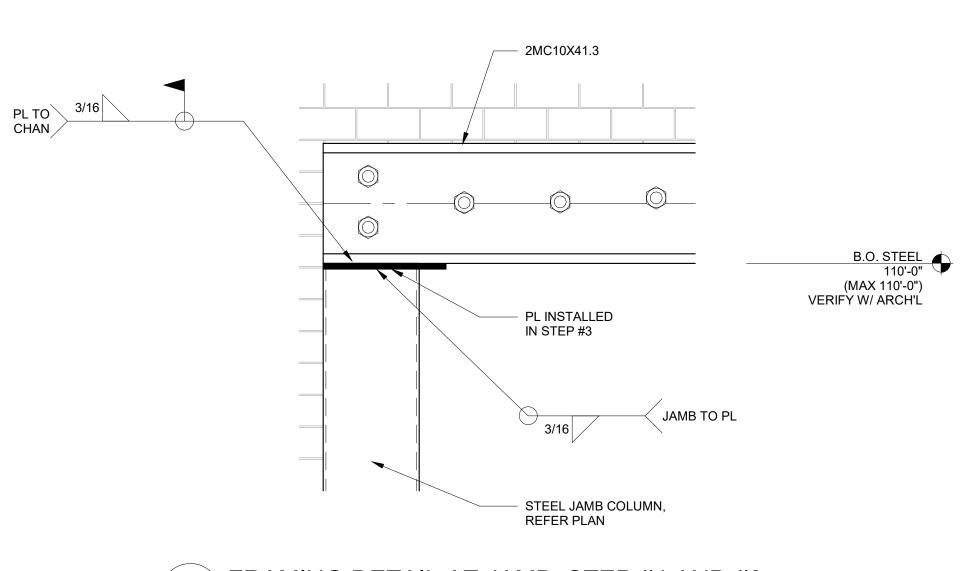
ELEVATIONS





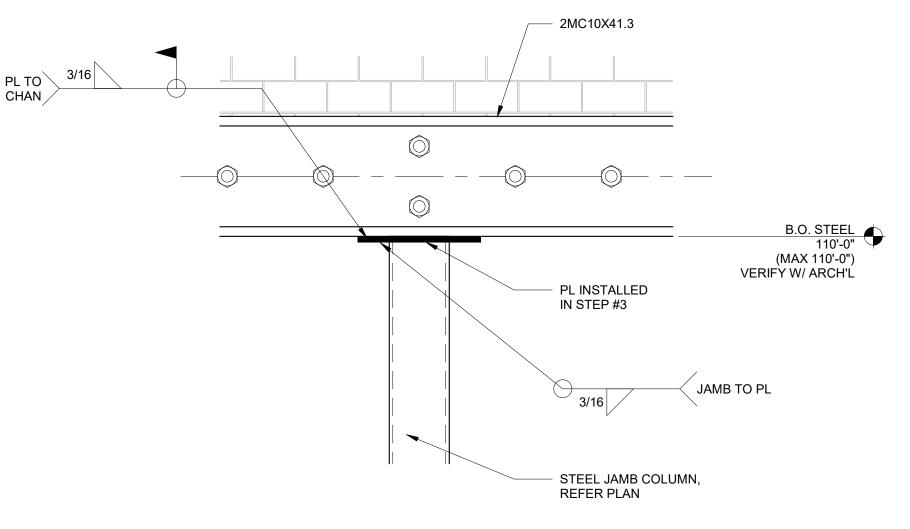






FRAMING DETAIL AT JAMB, STEP #4 AND #8

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



5 FRAMING DETAIL AT JAMB, STEP #4

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



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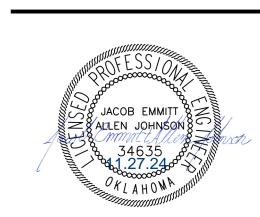
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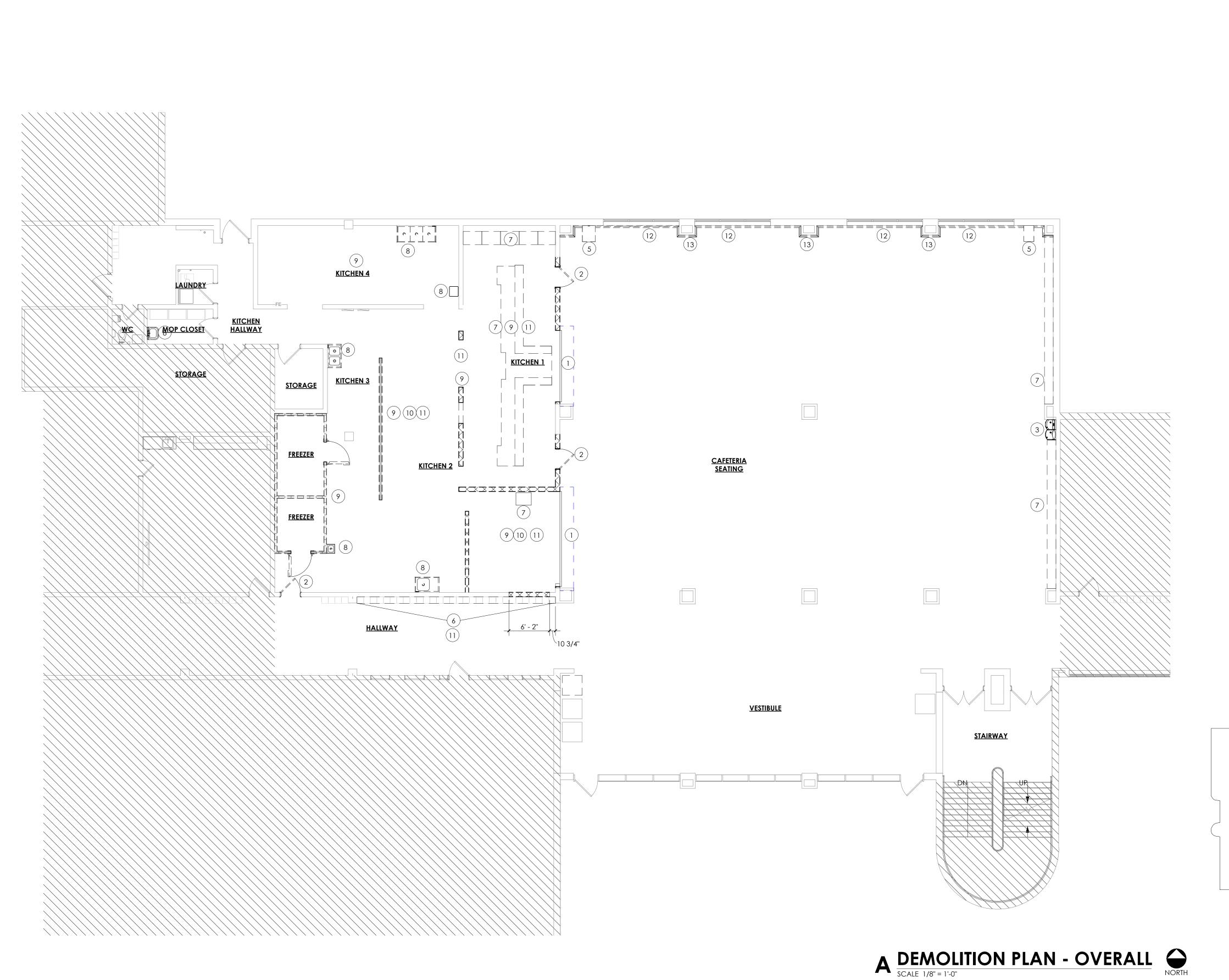
CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

A240040

3101 W. EDISION ST. TULSA, Ok 74127



REV. DATE # DESCRIPTION



DEMO PLAN LEGEND

EXISTING WALL TO BE DEMOLISHED

EXISTING WALL TO REMAIN

EXISTING LOW WALL

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

EXISTING WINDOW TO BE REMOVED

EXISTING WINDOW TO REMAIN 1 KEYNOTE

DEMO PLAN GENERAL NOTES:

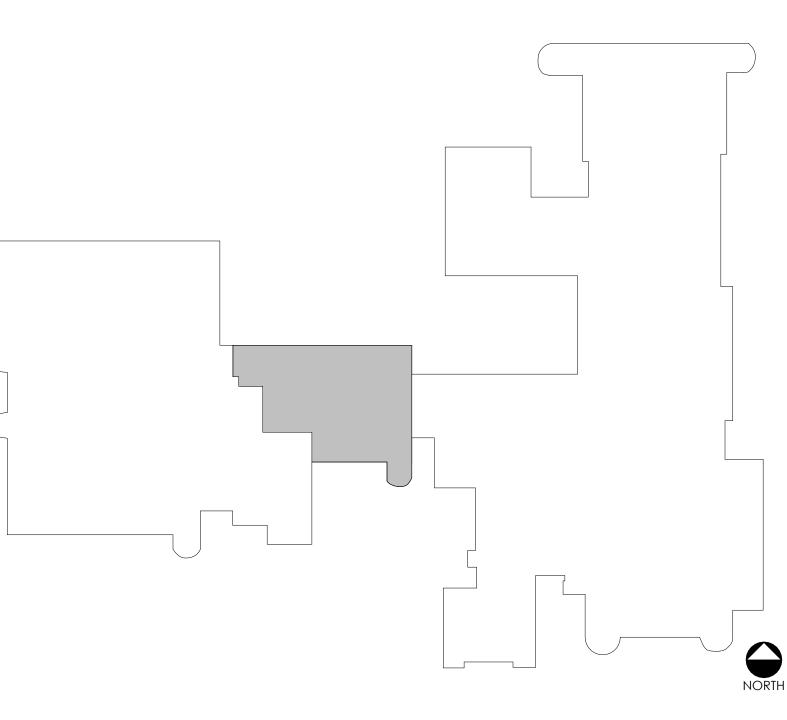
- 1. EXISTING LAY-IN CEILING GRID TO REMAIN TO MATCH LAYOUT ON RCP SHEETS. REFER TO ELECTRICAL FOR LIGHT FIXTURES TO REMAIN.
- CAFETERIA SERVING AND KITCHEN: EXISTING LAY-IN CEILINGS, LIGHT FIXTURES, HVAC EQUIPMENT, DUCTWORK, AND DIFFUSERS TO BE REMOVED.
- AT INTERIOR CMU WALLS TO BE REMOVED, REMOVE CMU TO TOP OF SLAB ELEVATION AND PATCH ADJACENT EXISTING WALLS TO REMAIN.
- 4. EXISTING WINDOW COVERINGS TO BE REMOVED AND SAVED TO BE REINSTALLED.
- 5. REMOVE SOAP AND PAPER TOWEL DISPENSERS AT SINKS.
- EXISTING SIGNAGE TO BE REMOVED AND RETURNED TO OWNER.
- REFER TO REFLECTED CEILING PLANS FOR LOCATIONS WHERE EXISTING SOFFITS AND LAY-IN CEILINGS TO BE REMOVED AND REPLACED.
- AT LOCATIONS WHERE EXISTING WALLS WILL BE FURRED OUT, CUT BACK EXISTING TERRAZZO BASE.
- 9. REMOVE FLOOR AND WALL FINISHES IN AREAS OF WORK

DEMO FLOOR PLAN KEYNOTES:

- (1) EXISTING OVERHEAD DOOR TO BE REMOVED.
- EXISTING DOOR SGL TO BE REMOVED AND RETAINED FOR REUSE.
- EXISTING DRINKING FOUNTAINS TO BE REMOVED AND RETAINED FOR REINSTALLATION
- (4) NOT USED
- 5 EXISTING EQUIPMENT TO BE REMOVED AND RETAINED FOR OWNER.
- (6) EXISTING LOCKERS TO BE REMOVED.
- (7) EXISTING MILLWORK AND ASSOCIATED PLUMBING INDICATED TO BE REMOVED.
- 8 EXISTING SINK TO BE REMOVED.
- *EXISTING KITCHEN EQUIPMENT, INCLUDING, STAINLESS STEEL TABLES, TO BE REMOVED AND RETAINED FOR OWNER.
- EXISTING FLOOR DRAINS TO BE REMOVED; COORDINATE WITH PLUMBING, TYPICAL.
- EXISTING CONCRETE CURB UNDER KITCHEN

EQUIPMENT TO BE REMOVED.

- (12) WINDOW SILLS TO BE REMOVED. WINDOW SHADES TO BE REMOVED AND STORED FOR REINSTALLATION
- (13) REMOVE EXISTING BASE BOARD HEATERS. CAP EXISTING UTILITIES AS REQUIRED.
- *CAP PLUMBING AND POWER AT REMOVED FIXTURES AND EQUIPMENT.





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CERTIFICATE OF AUTHORIZATION #534 EXPIRES 06/30/25

CENTRAL HIGH SCHOOL **CAFETERIA REMODEL**

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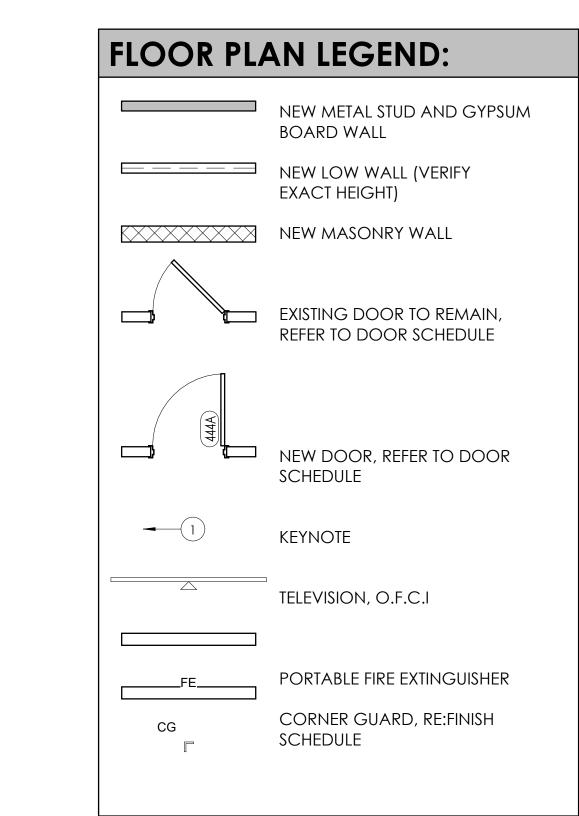
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DEMOLITION FLOOR PLAN - OVERALL

AD101



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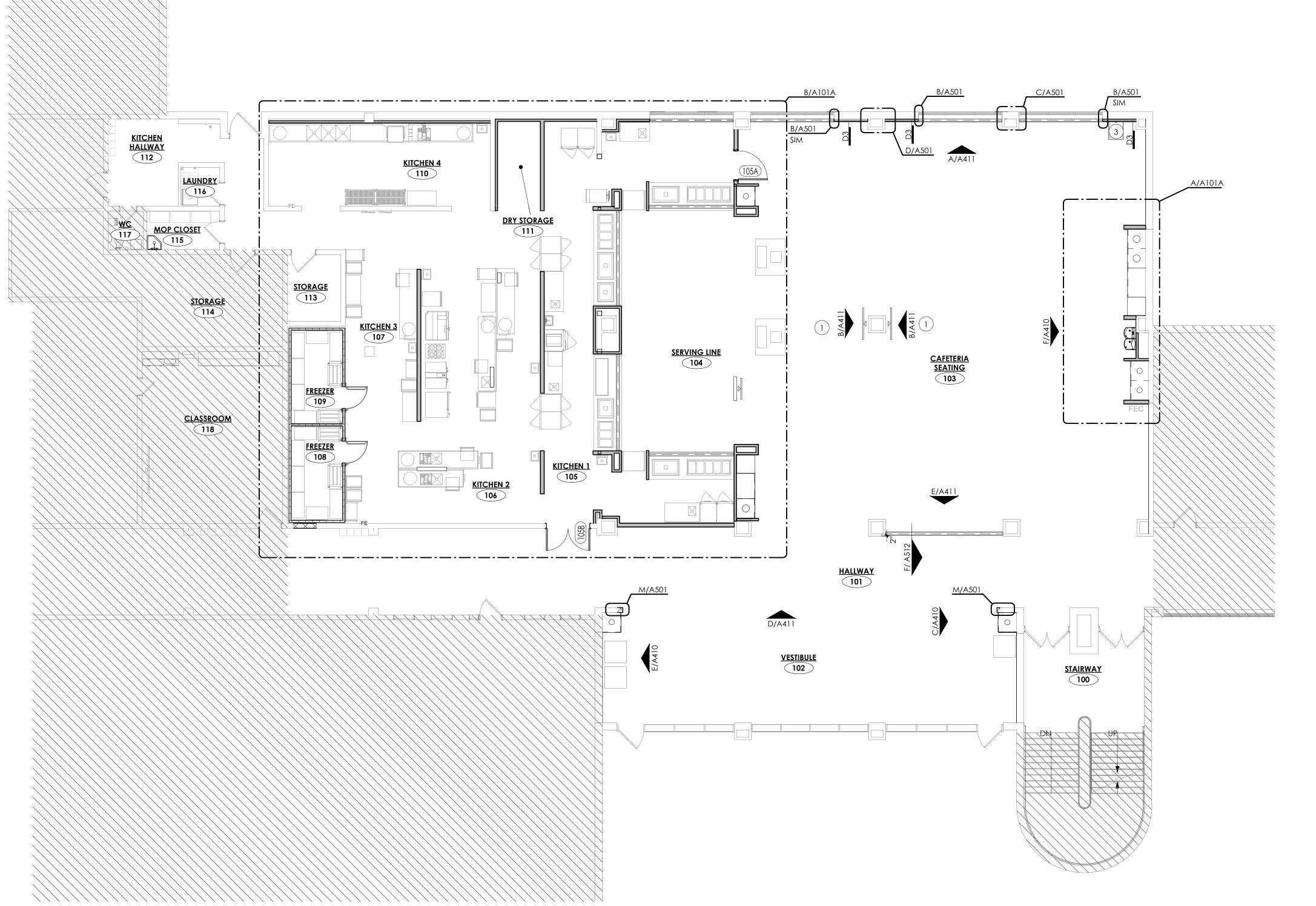
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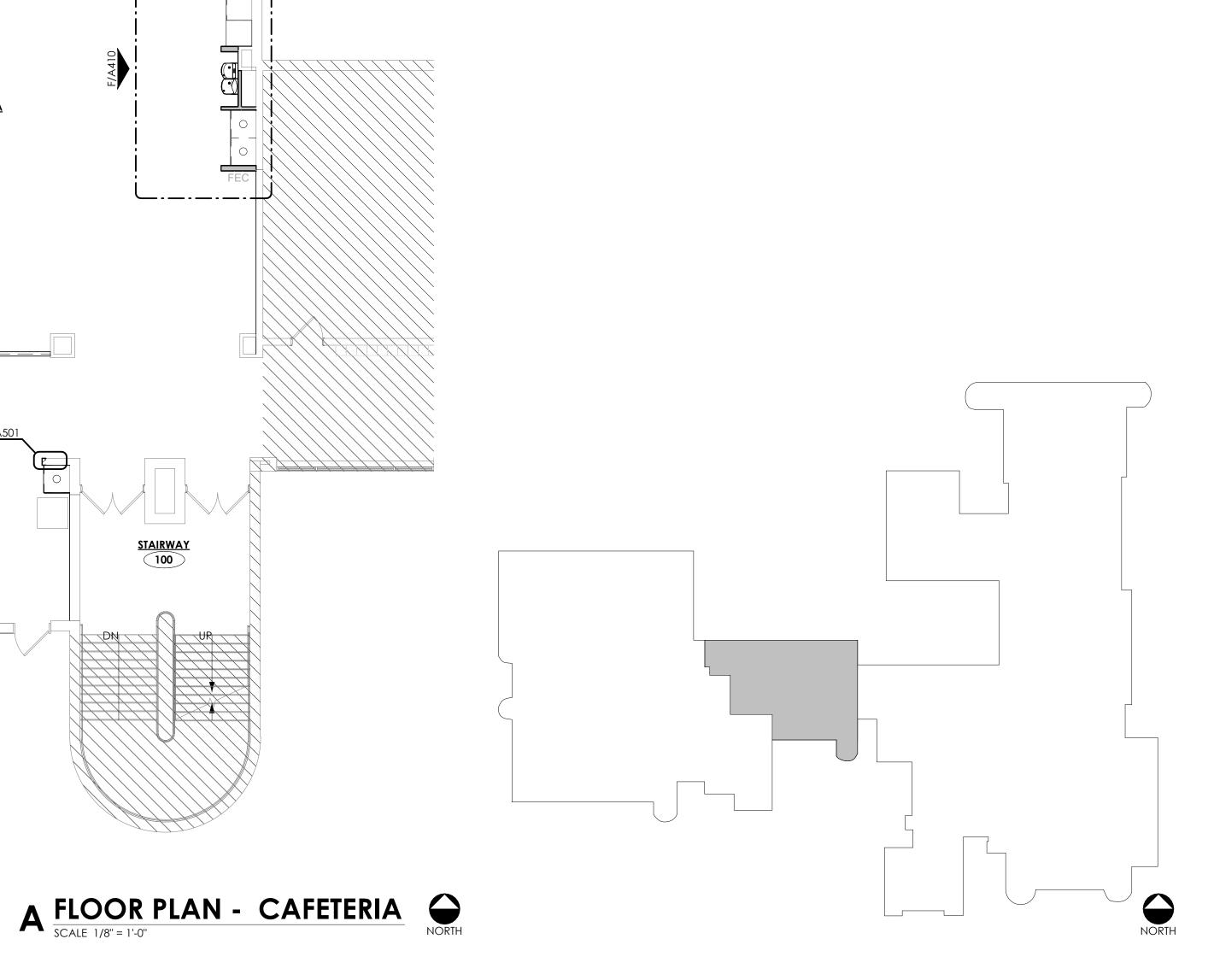
CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

(1) WALL MOUNTED TV LOCATION

PLAN KEYNOTES

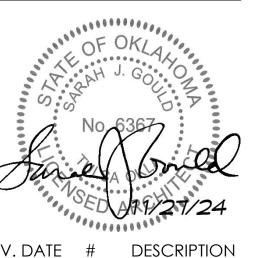
WALL MOUNTED MONITOR LOCATION ON SOFFIT ABOVE INSTALL PA SYSTEM. COORDINATE FINAL LOCATION WITH





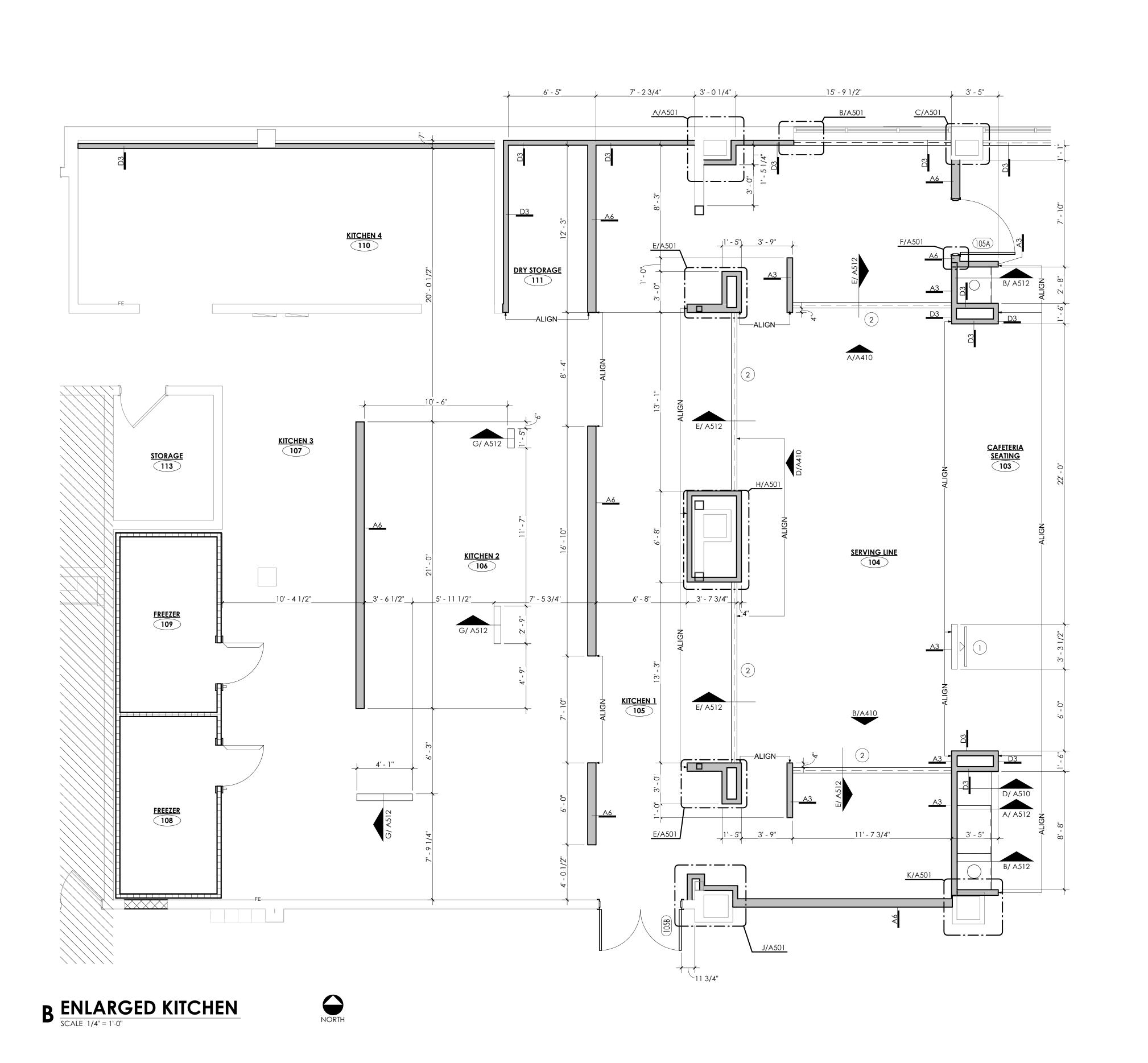
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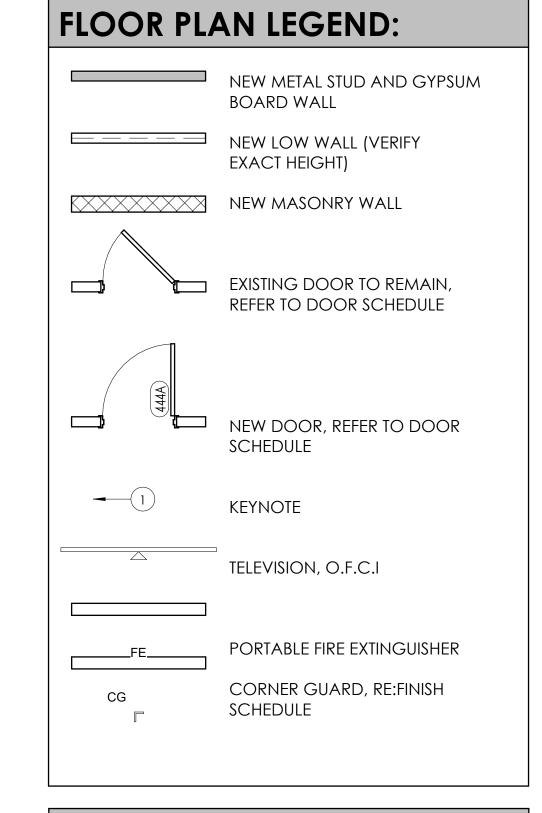
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FLOOR PLAN -CAFETERIA

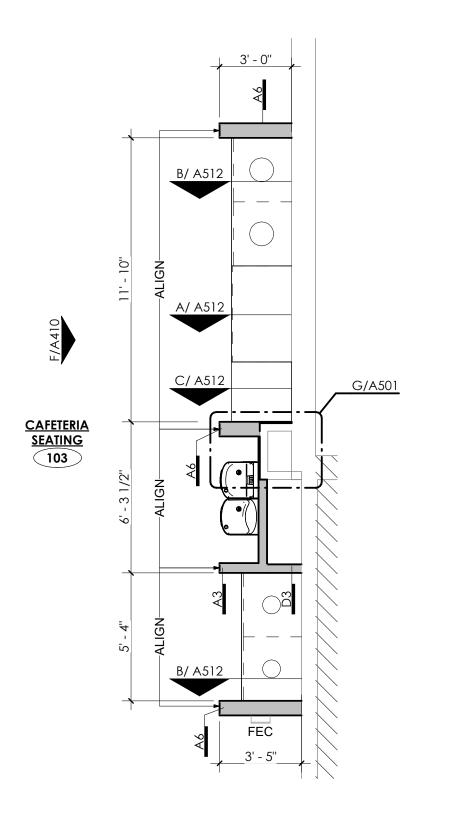




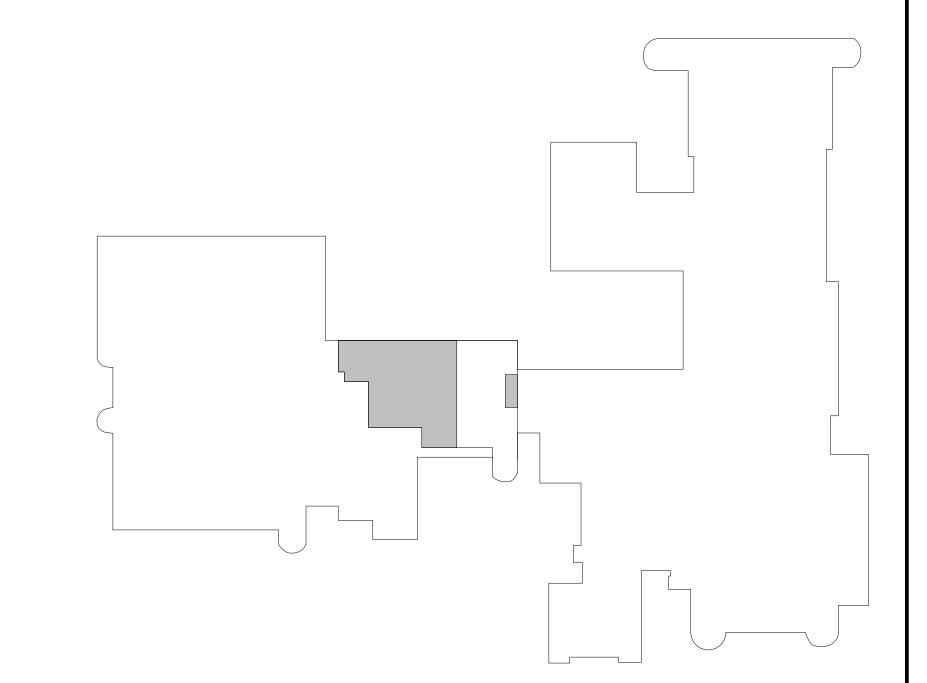
PLAN KEYNOTES

(1) WALL MOUNTED TV LOCATION

WALL MOUNTED MONITOR LOCATION ON SOFFIT ABOVE INSTALL PA SYSTEM. COORDINATE FINAL LOCATION WITH









CAFETERIA

REMODEL

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11.27.2024

ENLARGED PLANS

A101A

REFLECTED CEILING PLAN **GENERAL NOTES:** 1. THE LOCATION OF CEILING ACCESS PANELS REQUIRED IN GYPSUM BOARD CEILINGS SHALL BE COORDINATED WITH THE ARCHITECT. PANELS SHALL BE PAINTED TO MATCH SURROUNDING CEILINGS. EXISTING GYPSUM BOARD TO REMAIN ARE TO BE REPAIRED AND PAINTED. 3. CEILING MOUNTED SPRINKLER HEADS, SPEAKERS, EXIT SIGNS, ETC. ARE TO BE CENTERED IN CEILING TILES. COORDINATE WITH ARCHITECT WHERE THIS IS NOT 4. GYPSUM BOARD CEILINGS TO BE PAINTED P1, EXCEPT WHERE NOTED OTHERWISE. PROVIDE MOISTURE RESISTANT GYPSUM BOARD CEILINGS AT KITCHENS AND KITCHEN STORAGE LAY-IN CEILING SYSTEM AND LIGHTS IN KITCHEN, STORAGE, AND SERVING AREAS SHOULD MEET THE GUIDELINES OF THE TULSA FOOD ESTABLISHMENT CONSTRUCTION GUIDE: WALLS AND CEILINGS (257-11-1, 3, 4, 5, 8, 9, 10) -LIGHT-COLORED,SMOOTH, EASILY-CLEANABLE, AND LRV AT LEAST 50% LIGHTING (257-11-11,31) -FOOD PREP AREAS: 50 fc SELF-SERVE/WASHING/UTENSIL STORAGE: WALK-IN REFRIGERATION/DRY STORAGE: 10 fc 6. CENTER CAN LIGHTS IN GYPSUM BOARD CEILINGS BOTH FRONT TO BACK AND SIDE TO SIDE UNLESS NOTED OTHERWISE ON DRAWINGS. 7. IN AREAS RECEIVING NEW CEILINGS, ALL EXISTING SPRINKLERS, SPEAKERS, STROBES, CAMERAS, ETC. ARE TO BE REINSTALLED TO FIT NEW CEILING LAYOUT. ON CEILINGS TO RECEIVE NO WORK, CEILING MOUNTED ITEMS ARE TO REMAIN IN PLACE.

KEY NOTES

RELOCATION.

WALLCOVERING TRIM PIECE.

RE: ELEVATION FOR EXTENTS.

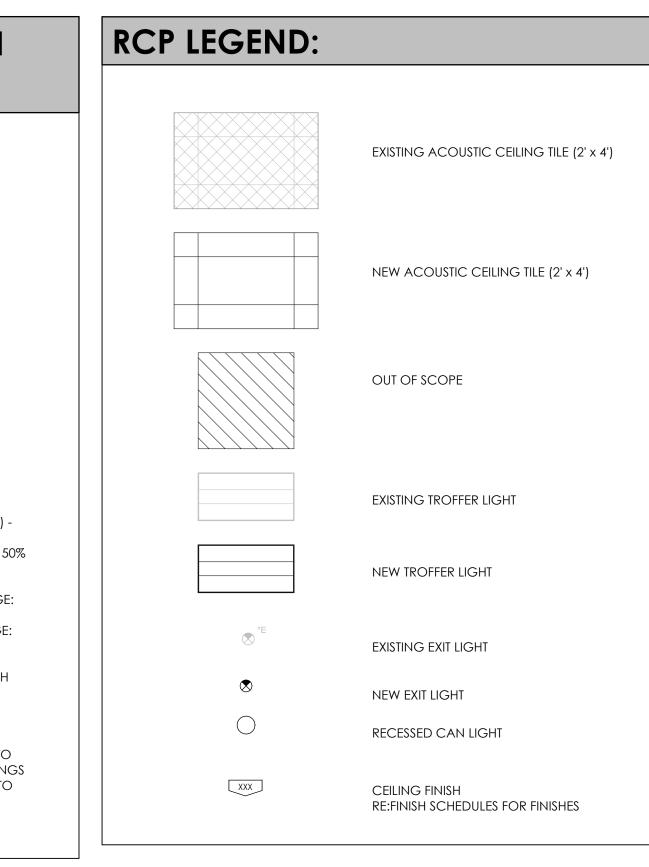
EXISTING KITCHEN HOOD TO BE REMOVED FOR

) BOTTOM AND BACKSIDE OF SOFFIT ARE P1-E. INSTALL WC3
ON SERVING SIDE FACE OF SOFFIT WITH FRY REGLET

3) BOTTOM OF SOFFIT IS P1. INSTALL WP1 ON FACE OF SOFFIT

BOTTOM AND BACKSIDE OF SOFFIT TO BE PAINTED P1. INSTALL WC2 ON FACE OF SOFFIT WITH FRY REGLET WALLCOVERING TRIM PIECE. STEPPED BACK SOFFIT FACE WILL BE PAINTED P3.

WITH FRY REGLET WALLCOVERING TRIM PIECE.



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109 4 EX 100 A REFLECTED CEILING PLAN SCALE 1/8" = 1'-0"

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REFLECTED CEILING PLAN - OVERALL

A111

FINISH PLAN LEGEND: <u>PAINT:</u> Sherwin Williams COLOR: PURE WHITE NUMBER: SW 7005 FINISH: FLAT P1-E SHERWIN WILLIAMS COLOR: PURE WHITE NUMBER: SW 7005 FINISH: EPOXY P2 SHERWIN WILLIAMS COLOR: GRIZZLE GRAY NUMBER: SW 7068 FINISH: SATIN P3 SHERWIN WILLIAMS COLOR: PASSIVE NUMBER: SW 7064 FINISH: EGGSHELL P4 SHERWIN WILLIAMS COLOR: SHOWSTOPPER NUMBER: SW 7588 FINISH: EGGSHELL PAINT TO MATCH EXISTING COLOR

AND PATTERN

WALL PROTECTION:

WP1 KOROSEAL

WP2 KOROSEAL

WALLCOVERING:

WC1 KOROSEAL

COLLECTION: FLEX

COLLECTION: FLEX

STYLE: THATCH

STYLE: REATEC

COLOR: BC-5466

WALLCOVERING

WC3 MDC WALL COVERING

COLOR: SMOKE THA 1-98

COLOR: BIRCH FOREST THA 1-53

WC2 COLLEGIATE LOGO" CUSTOM VINYL

COLLECTION: BALANCING ACT

COLOR: SILENT SYRAH, BBBC18

3MIJ180CVS VINYL, AND

3M8520 MATTE LAMINATE

STYLE: THATCH

RUBBER BASE: ROPPE SERIES: TRADITIONAL LVT1 MOHAWK GROUP COLLECTION: LIVING LOCAL PROFILE: WALL BASE 4" COLOR: 100 BLACK PATTERN: TERRAZZO C0180 COLOR: 989 VALLE DE BOVE SIZE: 12" x 24" INSTALLATION METHOD: HALF LAP FRP1 MARLITE PRODUCT: SYMMETRIX W/SANI-COAT, LVT2 MOHAWK GROUP SMARTSEAM SUBWAY PATTERN RUN COLLECTION: LIVING LOCAL HORIZONTALLY PATTERN: CHROMASCOPE C0159 COLOR: WHITE WITH WHITE GROUT LINES COLOR: 910 WINTER MOOD C100 G63 SIZE: 12" x 24" NOTES: PROVIDE ALL MANUFACTURER TRIM INSTALLATION METHOD: HALF LAP PIECES AT TOP AND BOTTOM AND APPROVED SEALANT JOINT BETWEEN PANELS. FRP2 MARLITE PRODUCT: SMOOTH \$100 CLASS A AMERICAN OLEAN COLOR: WHITE COLLECTION: COLOR STORY NOTES: PROVIDE ALL MANUFACTURER TRIM COLOR: ICE WHITE PIECES AT TOP AND BOTTOM AND APPROVED

SEALANT JOINT BETWEEN PANELS.

SS2 CORIAN **CORNERGUARDS** T3 AMERICAN OLEAN PATTERN: EVEREST CG1 KOROGRAD COLLECTION: COLOR STORY EDGE: BEVELED STAINLESS STEEL COLOR: SCARLET NOTE: USE FOR WINDOW SILLS SIZE: 4" X 16" NOTES: INSTALLED HORIZONTALLY, RUNNING PLASTIC LAMINATE: 1/3 OFFSET PL1 WILSONART CROSSVILLE PATTERN: LANDMARK WOOD 7981K-12 COLLECTION: AGENT 2.0 finish: softgrain COLOR: CLEAN SLATE **ACOUSTICAL CEILING TILE:** SIZE: 12" x 24" NOTES: INSTALL HORIZONTAL, ACT1 ARMSTRONG RUNNING 1/3 OFFSET STYLE: HUMIGUARD PLUS - FINE FISSURED W/ BIOBLOCK PAINT ON FACE AND BACK OF PANELS **FLUID APPLIED FLOORING:** COLOR: WHITE SIZE: 2' x 4' EP1 DURAFLEX MODEL: #605 PRODUCT: POLY-CRETE \$L8 COLOR: SLATE GREY GRID: 15/16" FINISH: ARMOR TOP LIGHT GREY GLOSS NOTES: USE AT CAFETERIA WITH GRIT AND ACCELERA TOPCOAT ACT2 ARMSTRONG SIZE: 4" X 16" NOTES: 4" INTEGRAL COVE BASE NOTES: INSTALLED HORIZONTALLY, RUNNING STYLE: CERAMAGUARD W/BIOBLOCK/BIOSHIELD 1/3 OFFSET **SOLID SURFACE:** AND HUMIGUARD MAX AMERICAN OLEAN SS1 CORIAN COLOR: WHITE PATTERN: CARBON AGGREGATE COLLECTION: COLOR STORY SIZE: 2' x 4' MODEL: #60 COLOR: BLACK EDGE: BEVELED GRID: 15/16" SIZE: 4" X 16" NOTES: USE AT KITCHEN NOTES: INSTALLED VARIES, RE: ELEVATIONS

KITCHEN HALLWAY **DRY STORAGE** MOP CLOSET CAFETERIA SEATING 103 WP2 B1 LVT1 KITCHEN 1

FINISH NOTES:

- 1. SUBMIT FINISH SAMPLES TO ARCHITECT FOR APPROVAL
- FOLLOW MANUFACTURER'S INSTRUCTIONS FOR ABUTTING FLOOR MATERIALS OF VARYING THICKNESS. TRANSITIONS
- IN AREAS WITH MILLWORK, THE FLOORING SHALL EXTEND BENEATH THE MILLWORK. COORDINATE THE INSTALLATION

OF THE FLOOR BASE AROUND MILLWORK.

NOTES AND HARDWARE NOTES.

SHALL BE NO MORE THAN 1/4" HEIGHT VARIATION.

- REFERENCE INTERIOR ELEVATIONS SHEETS (A410 AND A411) & SECTION/DETAIL SHEETS (A501, A512, AND A513) FOR LOCATION OF MILLWORK FINISHES, MILLWORK
- FOR AREAS THAT LIST MORE THAN ONE MATERIAL OR FINISH, OR ARE NOT SHOWN ON PLAN, CONTRACTOR SHALL REFERENCE INTERIOR ELEVATIONS, SECTIONS, DETAILS, REFLECTED CEILING PLANS, & FINISH PLANS FOR MATERIAL OR FINISH INSTALLATION LOCATIONS &/OR
- REFERENCE REFLECTED CEILING PLAN SHEET (A111A AND A111B) FOR CEILING FINISH LOCATIONS.
- EXISTING CONCRETE SLAB TO BE LEVELED AND FILLED AS
- REQUIRED FOR LEVEL INSTALLATION OF NEW FLOORING.

8. DO NOT INSTALL B1 BASE OVER TILE WALL FINISH.

- PAINT EXISTING HOLLOW METAL DOORS AND FRAMES TO REMAIN IN CURRENT SCOPE OF WORK, P2. COORDINATE FINAL COLOR IN LOCATIONS THAT ABUT AREAS NOT INCLUDED IN CURRENT SCOPE.
- 10. DO NOT INSTALL TILE BEHIND MILLWORK.
- 11. PROVIDE A LEVEL 5 FINISH AT ALL WALLS TO RECEIVE WALL COVERING.
- 12. PAINT HM DOORS AND HM FRAMES P2.

TRANSITIONS.

FINISH KEY NOTES:

- REINSTALL EXISTING WINDOW SHADES.
- (2) PROVIDE SS2 WINDOW SILLS.
- (3) EXTENT OF FRP2.
- (4) EXTENT OF P5.

SYMBOLS:

ROOM NAME

ROOM FINISH TAG

CHANGE IN FINISH

FLOORING DIRECTION

CORNERGUARD (CG1)

CHANGE IN FLOOR FINISH WHICH REQUIRES TRANSITION, RE: LEGEND THIS SHEET

EXISTING FINISH TO REMAIN.

TRANSITION LEGEND:

EXPOSED TILE EDGES, AND OUTSIDE TILE CORNERS- SCHLUTER RONDEC (SATIN ANODIZED ALUMINUM)

TILE TO FLOOR- SCHLUTER DILEX AHKA (SATIN ANODIZED ALUMINUM)

LVT TO EPOXY FLOOR OR EXISTING FLOORING- JOHNSONITE SLT-63-J WALLCOVERING TRIM - FRY REGLET WCTBT125-217 ON FRONT FACE OF SOFFIT ONLY (LOCATIONS NOTED ON ELEVATIONS)

A240040

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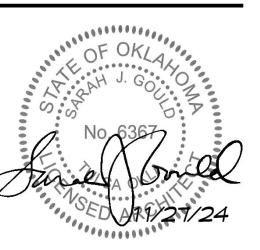
#534 EXPIRES 06/30/25

CENTRAL

HIGH

SCHOOL

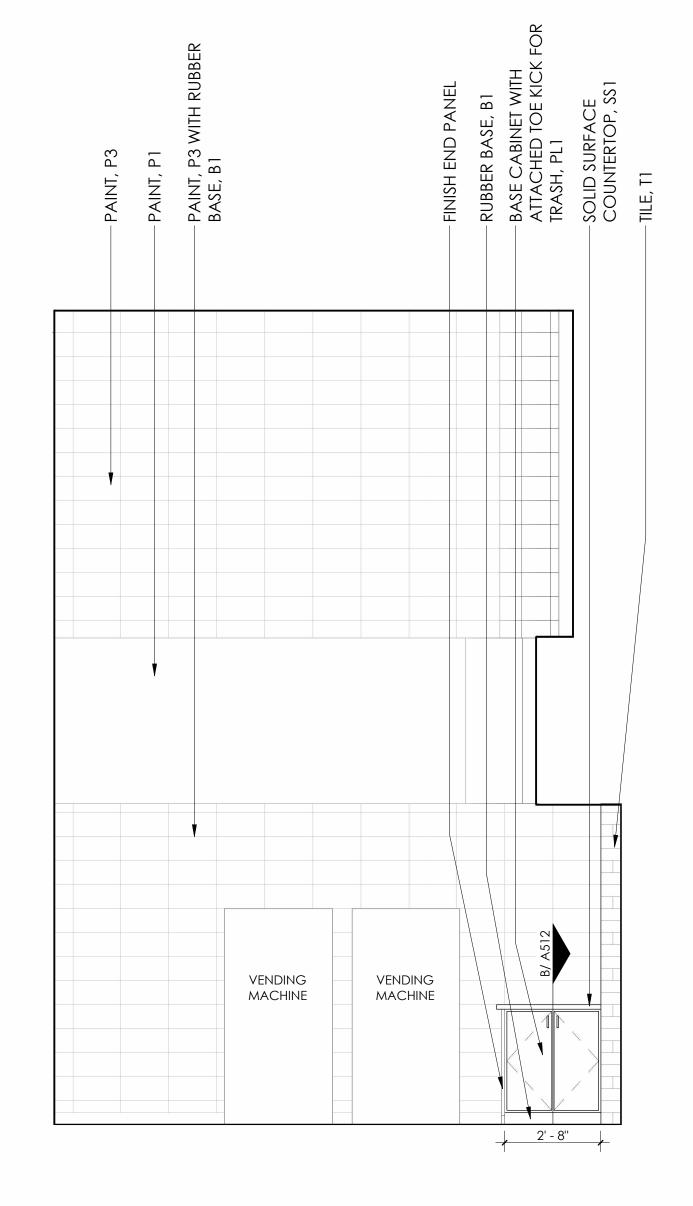
CAFETERIA



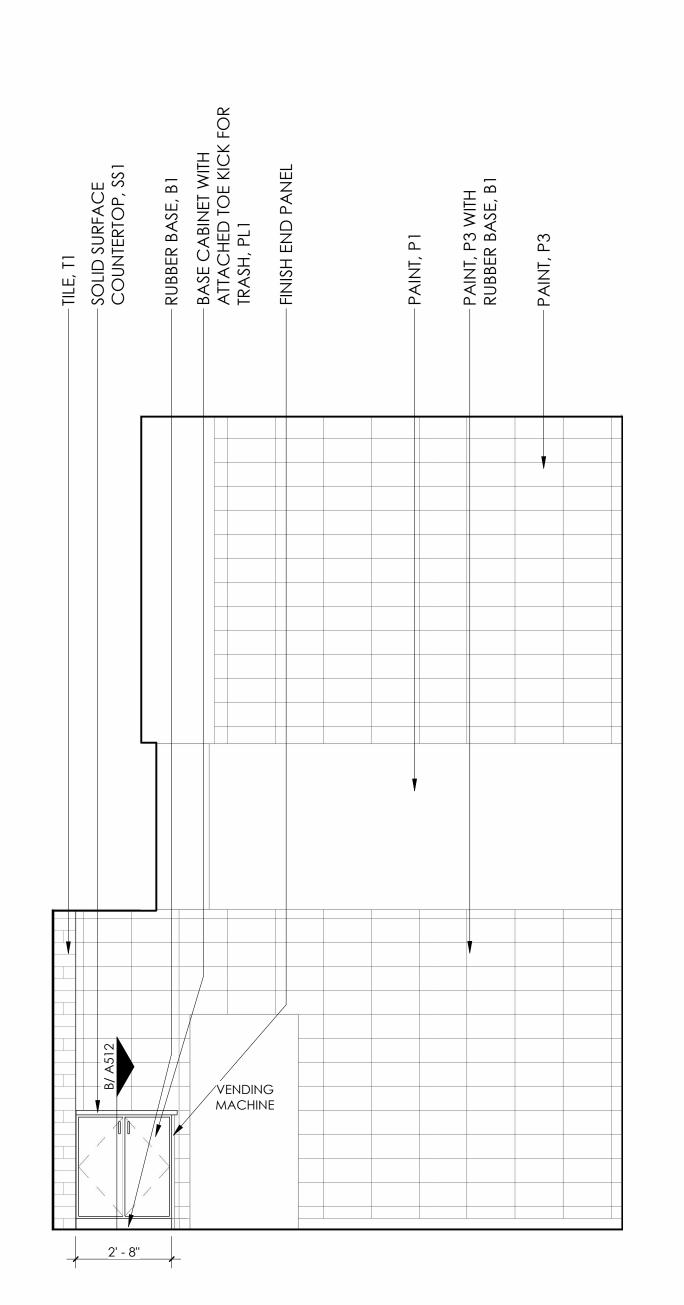
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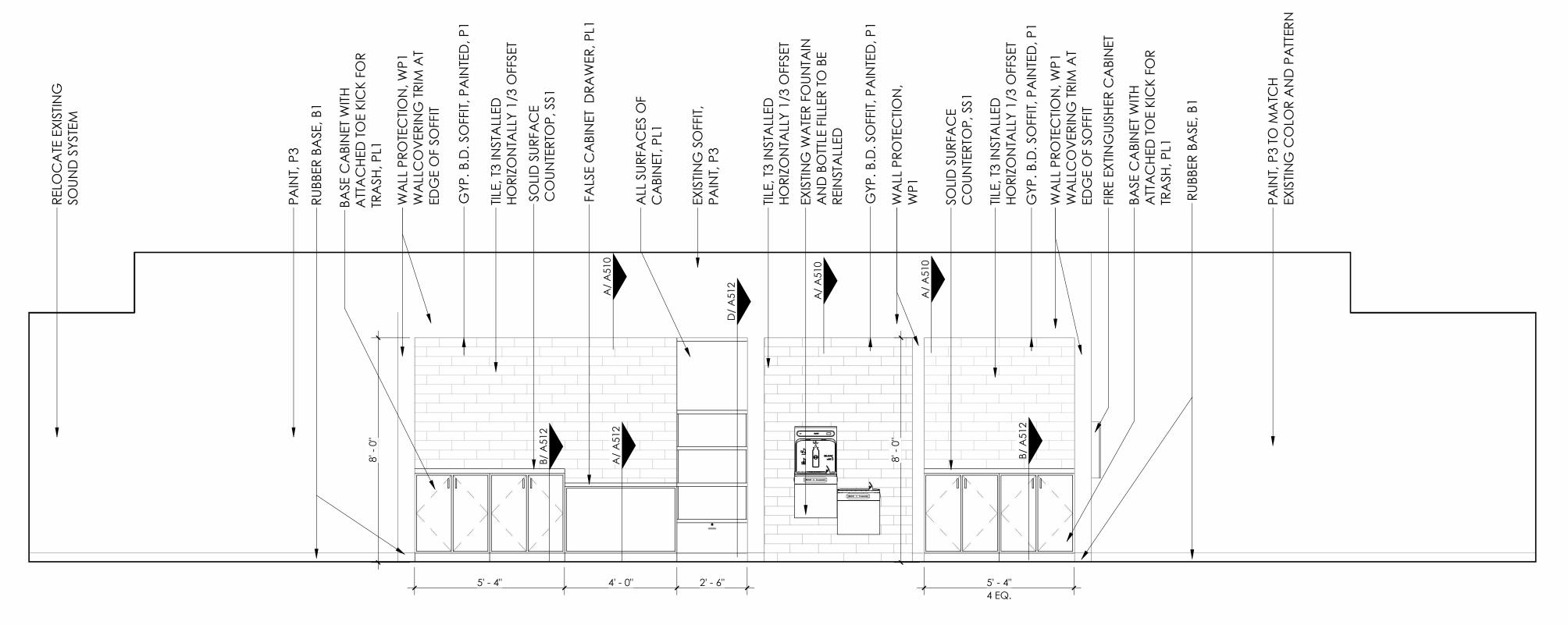
FINISH PLAN

A FINISH PLAN OVERALL SCALE 1/8" = 1'-0"



E WEST VENDING MACHINE SCALE 3/8" = 1'-0"





F EAST SEATING
SCALE 3/8" = 1'-0"

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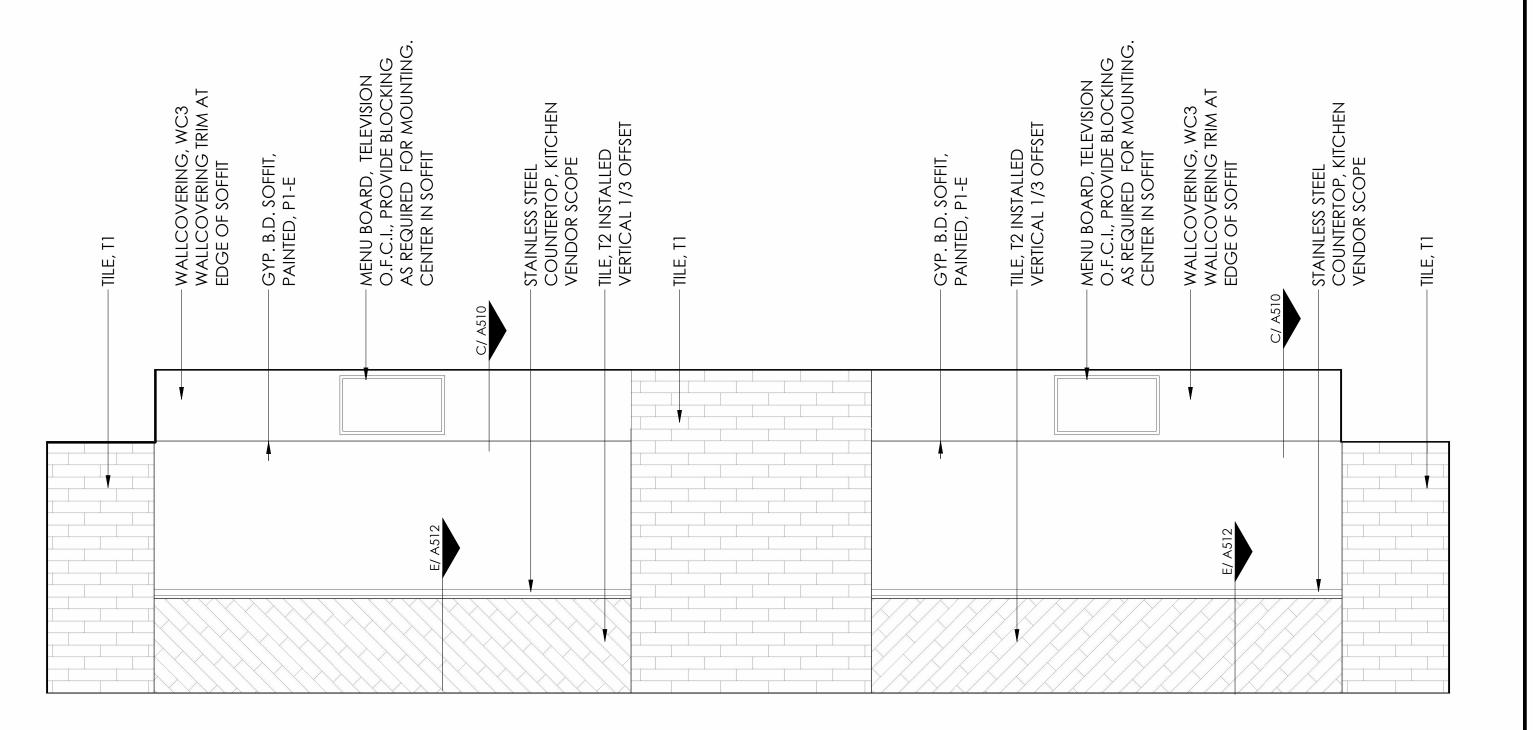
CENTRAL

HIGH

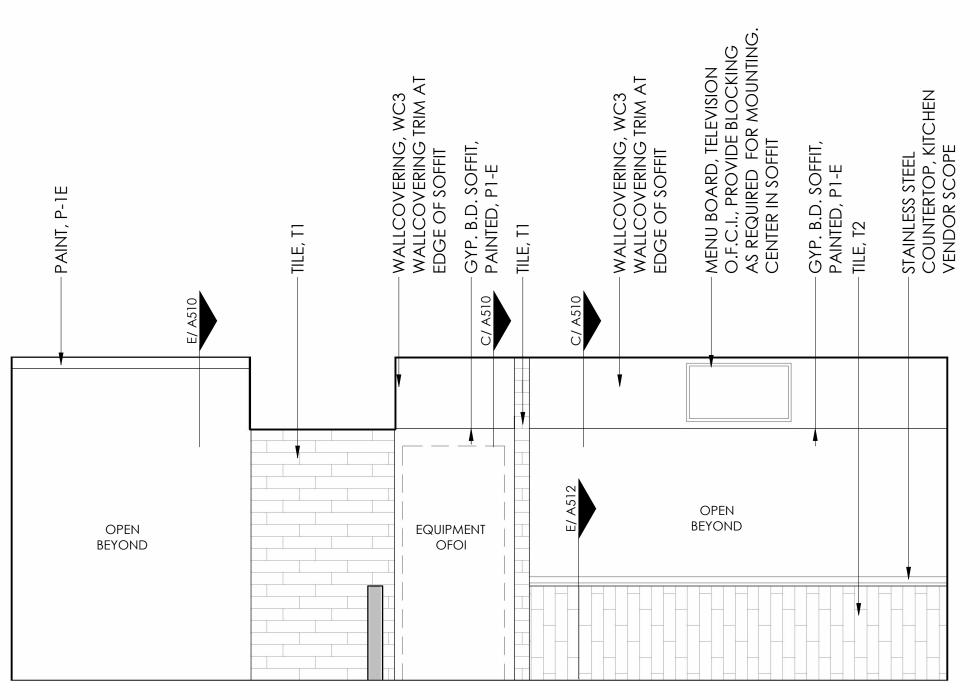
SCHOOL

CAFETERIA

REMODEL



D WEST SERVING LINE SCALE 3/8" = 1'-0"



A410

INTERIOR ELEVATIONS

A240040

3101 W. EDISION ST. TULSA, Ok 74127

11.27.2024

B SOUTH SERVING LINE SCALE 3/8" = 1'-0"

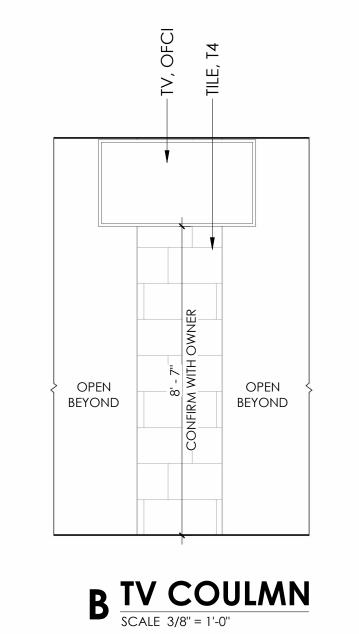
OPEN BEYOND

OPEN BEYOND

EQUIPMENT OFOI

A NORTH SERVING LINE
SCALE 3/8" = 1'-0"

C EAST VENDING MACHINE
SCALE 3/8" = 1'-0"

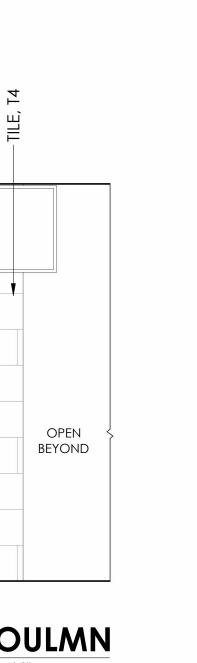


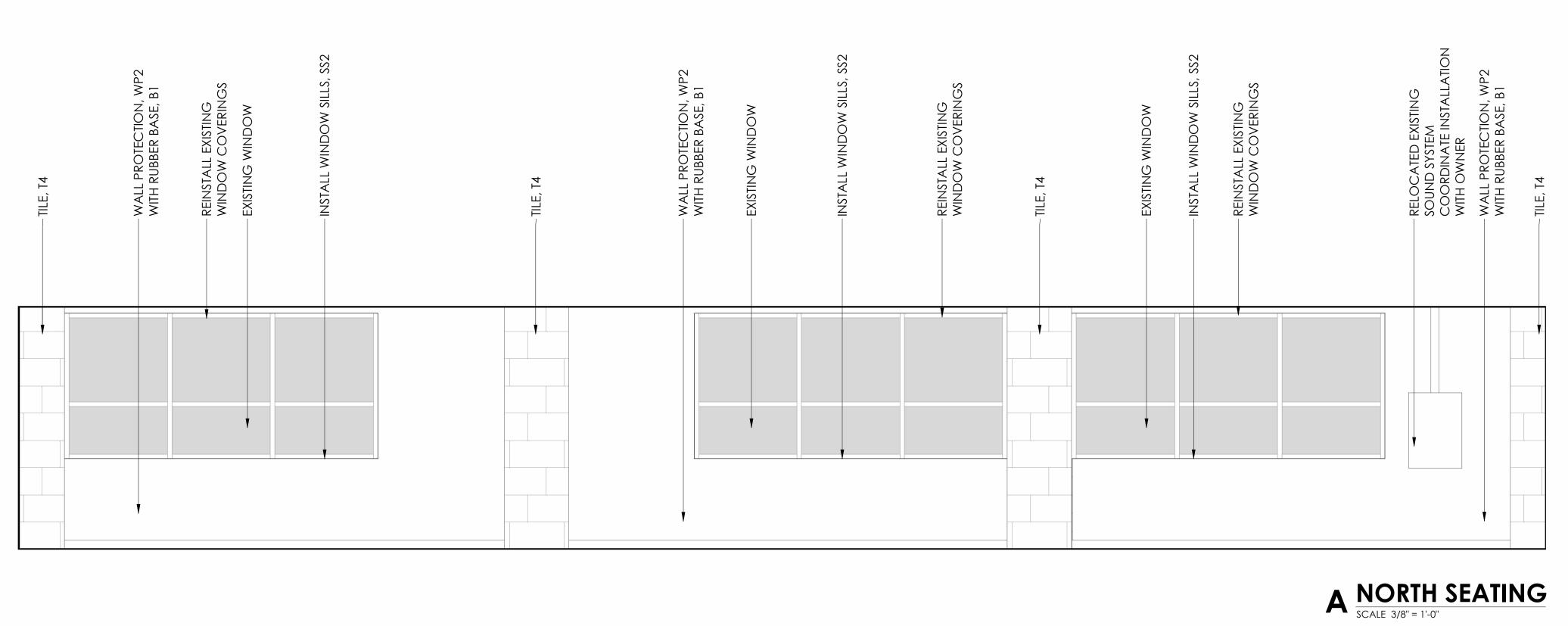
D COLLEGE WALL

SCALE 3/8" = 1'-0"

xx FEILD VERIFY

OPEN BEYOND





OPEN BEYOND

2' - 8" 2' - 6"

C WEST SEATING
SCALE 3/8" = 1'-0"

OPEN BEYOND

E SOUTH SEATING
SCALE 3/8" = 1'-0"

2' - 8"

CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

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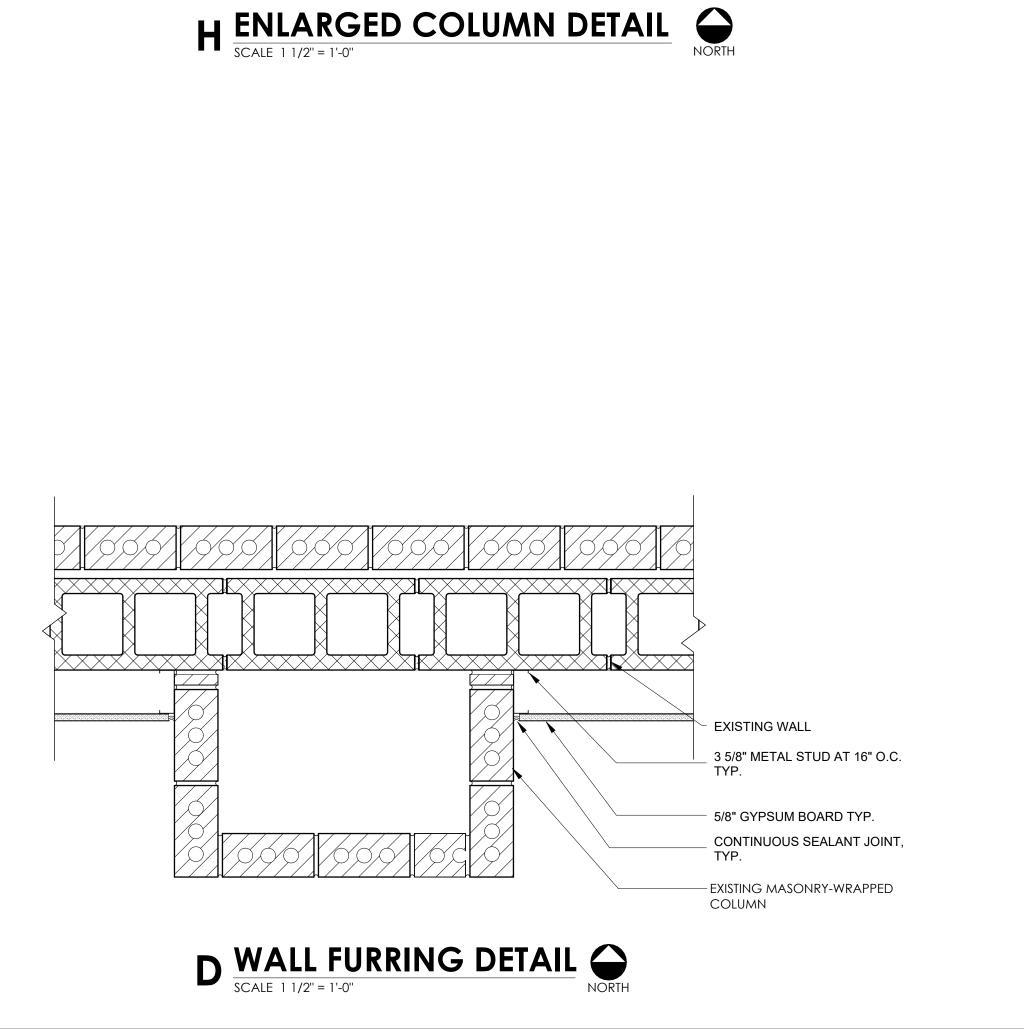
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INTERIOR ELEVATIONS



STEEL COLUMN RE:STRUCTURAL

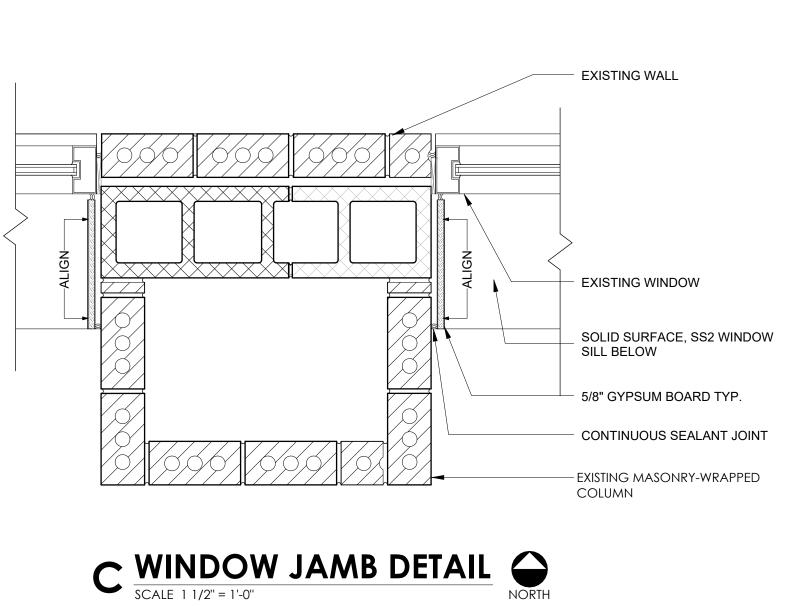
- EXISTING MASONRY-WRAPPED

5/8" GYPSUM BOARD TYP.

EXISTING WALL

STEEL COLUMN RE:STRUCTURAL

_ 3 5/8" METAL STUD AT 16" O.C. TYP.



G ENLARGED WALL DETAIL NORTH

EXISTING WALL

EXISTING

M ENLARGED WALL DETAIL ORTH

CONTINUOUS SEALANT JOINT,_ TYP.

6" METAL STUD AT 16" O.C.—

EXISTING WALL-

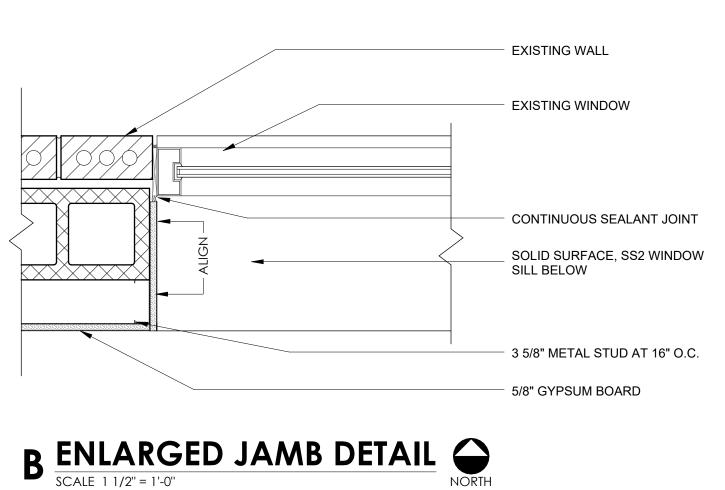
5/8" GYPSUM BOARD TYP.-

3 5/8" METAL STUD AT 16" O.C.-

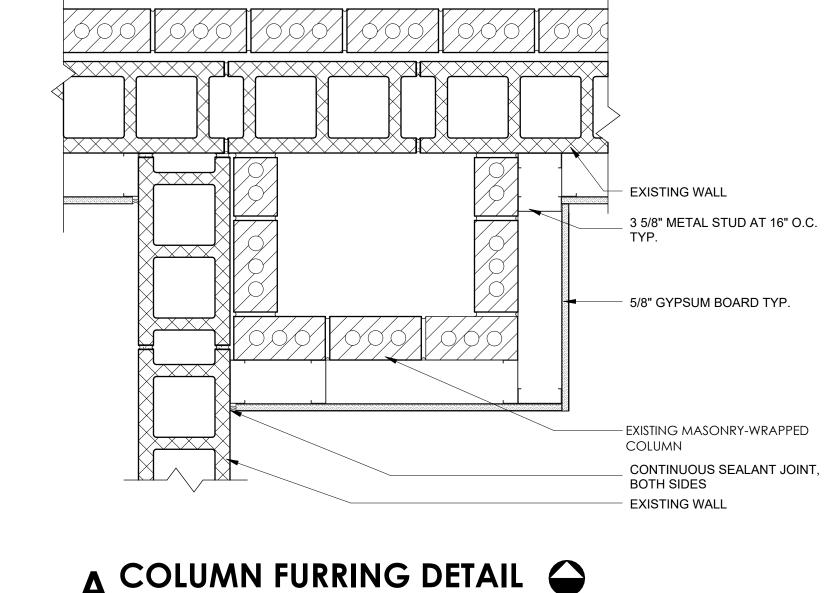
__1' - 7 1/2"_

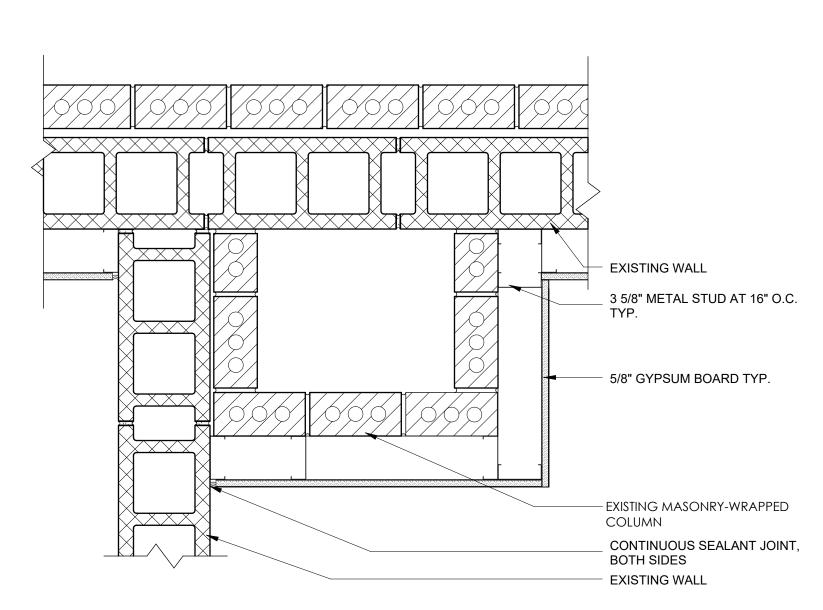
NEW CMU, FINISH TO MATCH

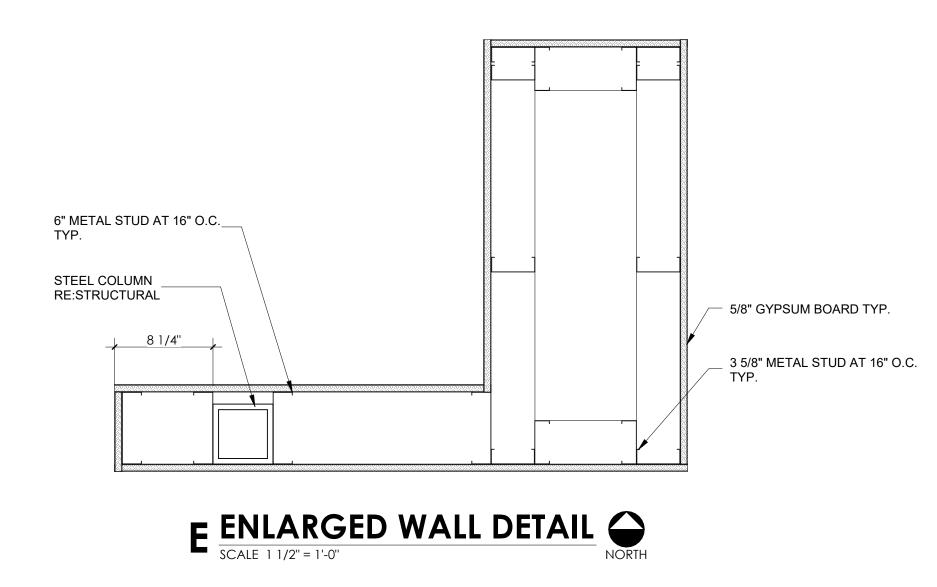
SOLID SURFACE COUNTER, SS1 BELOW

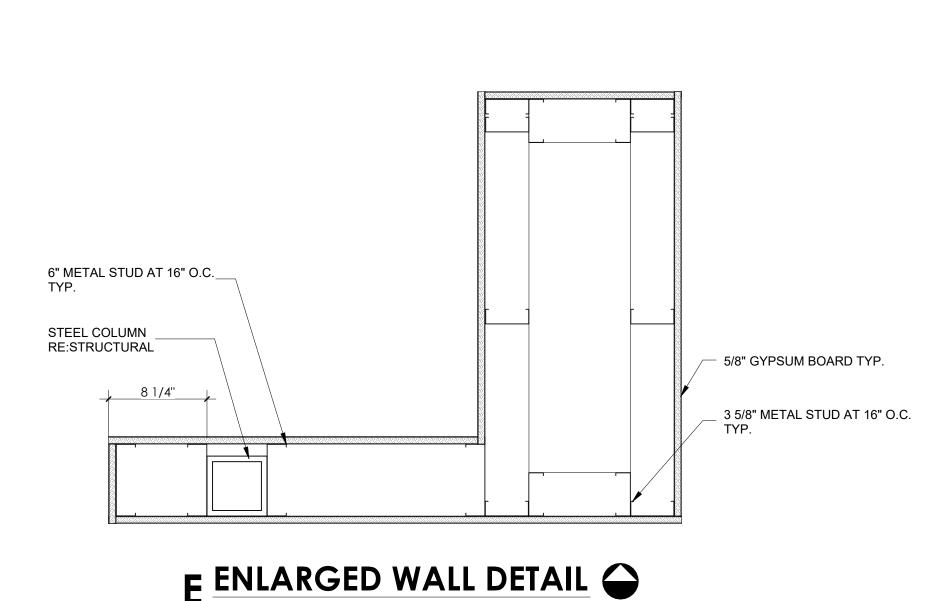


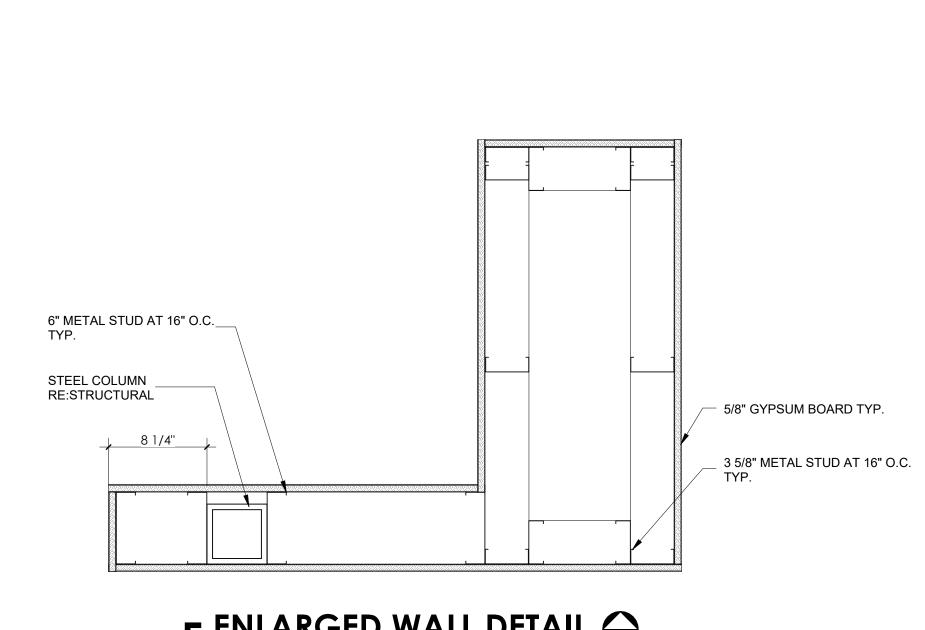
F ENLARGED DOOR JAMB SCALE 1 1/2" = 1'-0" NORTH

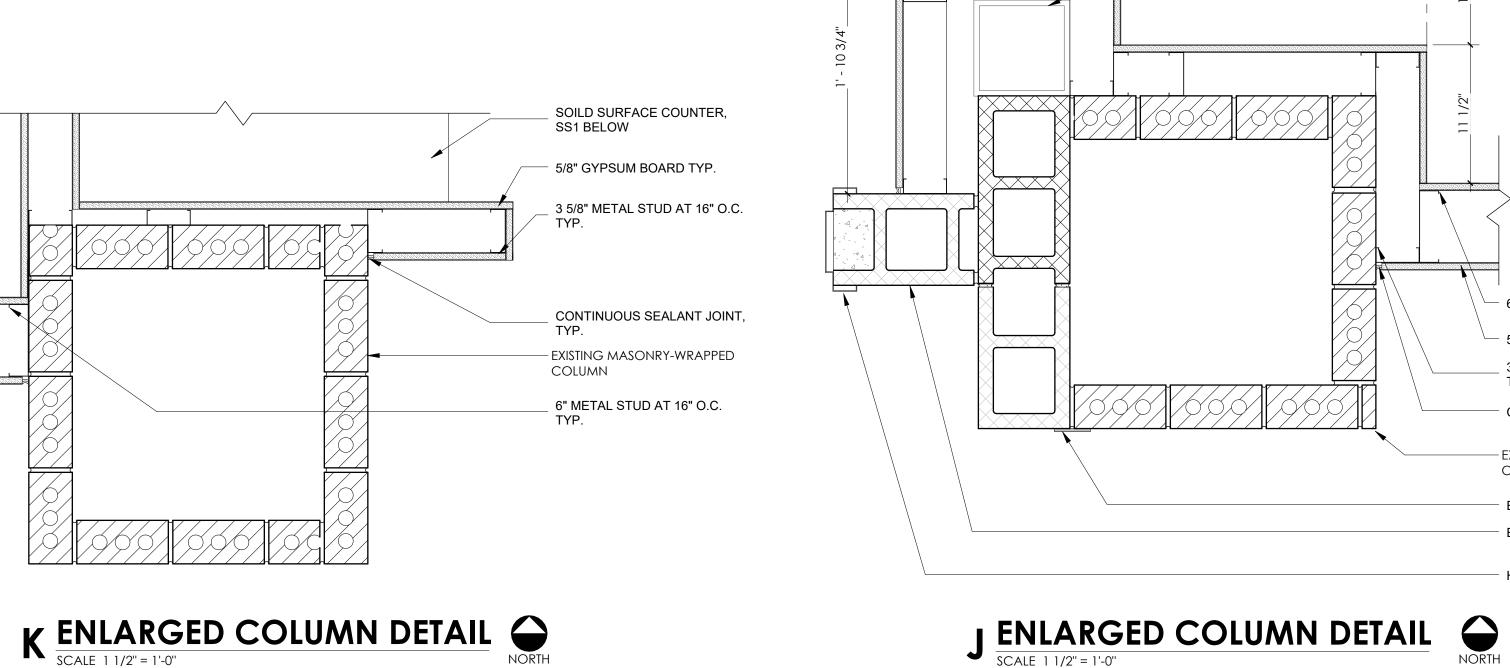










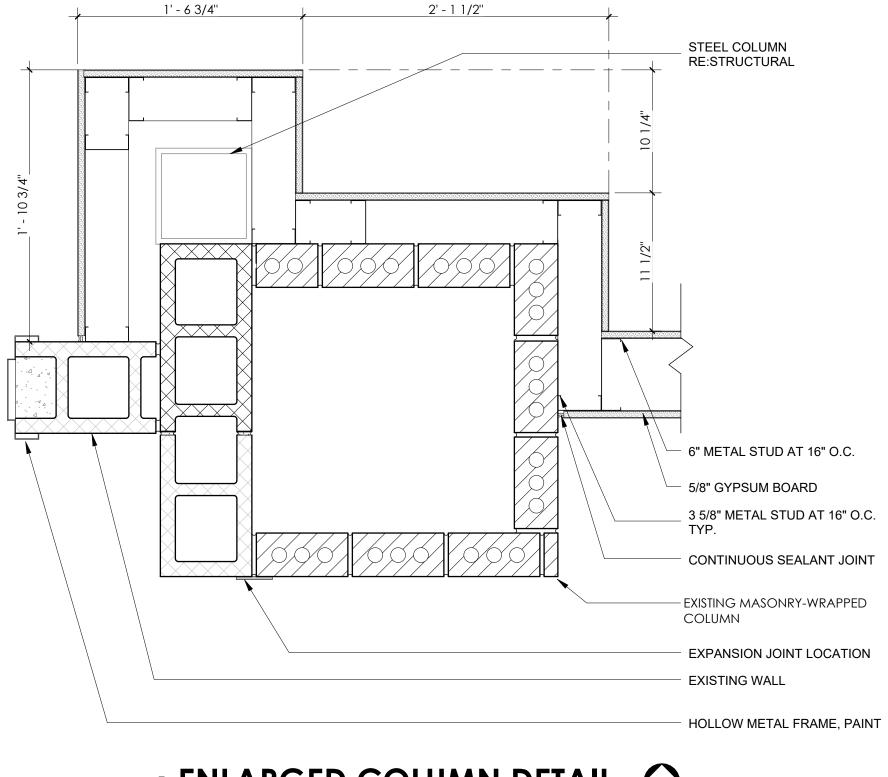


HOLLOW METAL FRAME, PAINT

- 6" METAL STUD AT 16" O.C.

- 3 5/8" METAL STUD AT 16" O.C.

-5/8" GYPSUM BOARD





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CENTRAL HIGH SCHOOL **CAFETERIA**

REMODEL

A240040 3101 W. EDISION ST. TULSA, Ok

11.27.2024

EXTERIOR AND INTERIOR DETAILS

A501

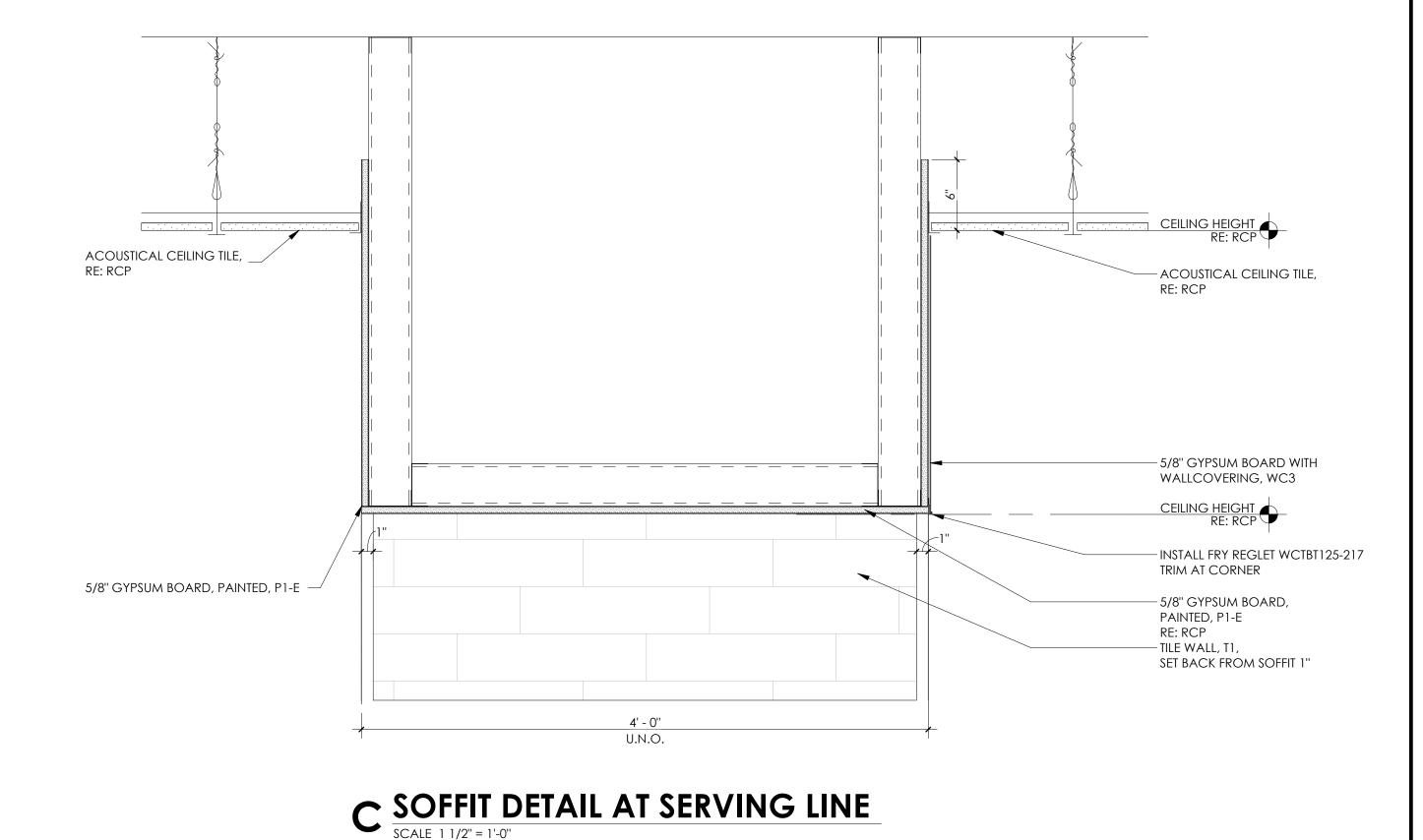
A COLUMN FURRING DETAIL NORTH

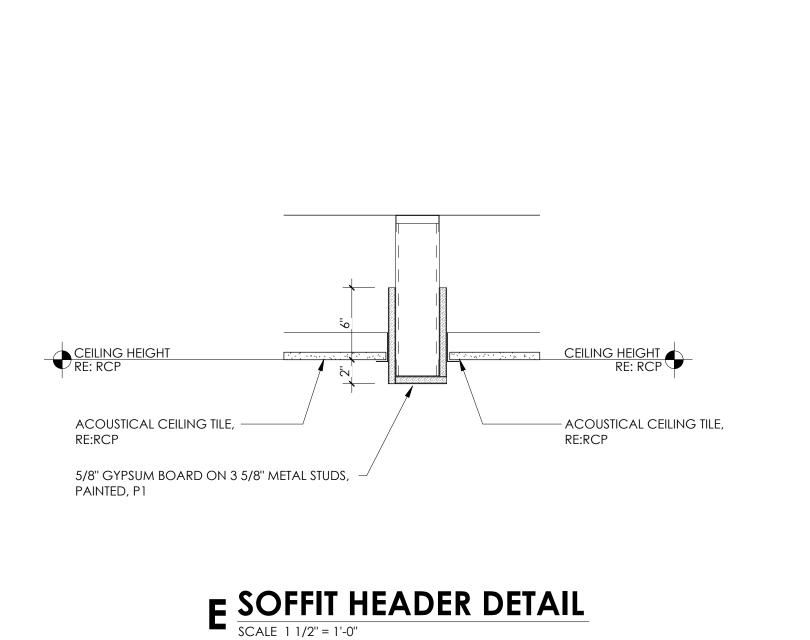


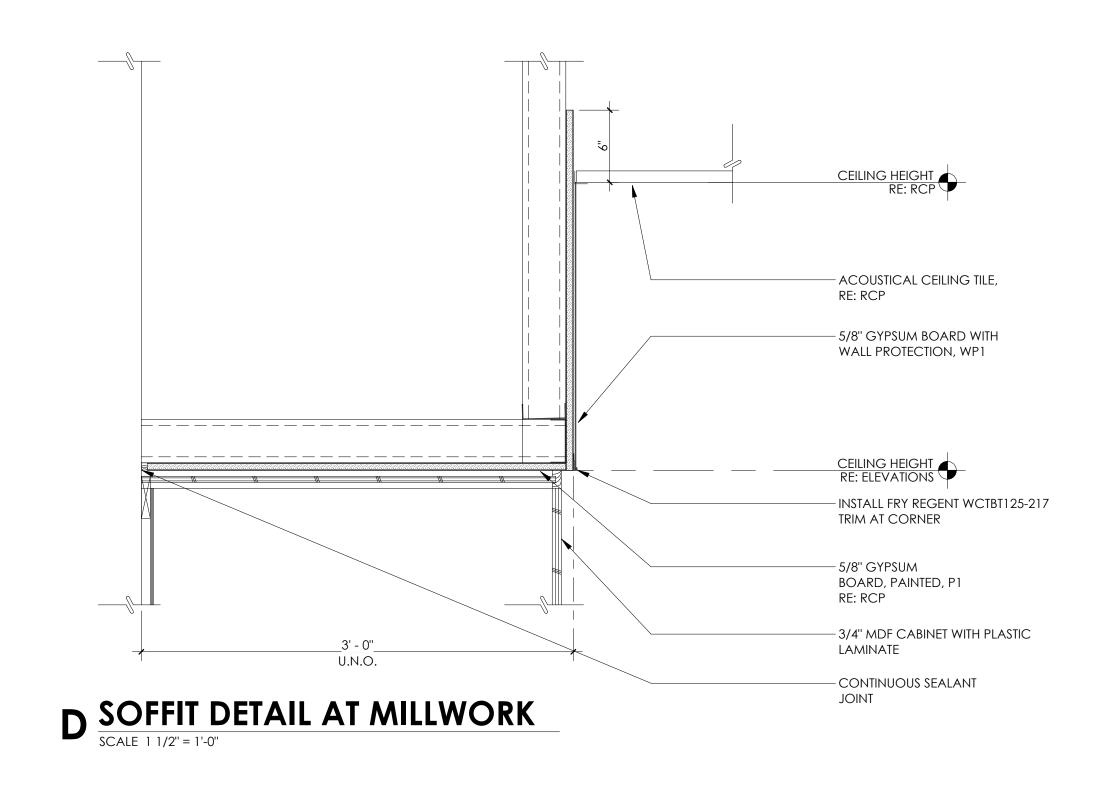
HIGH

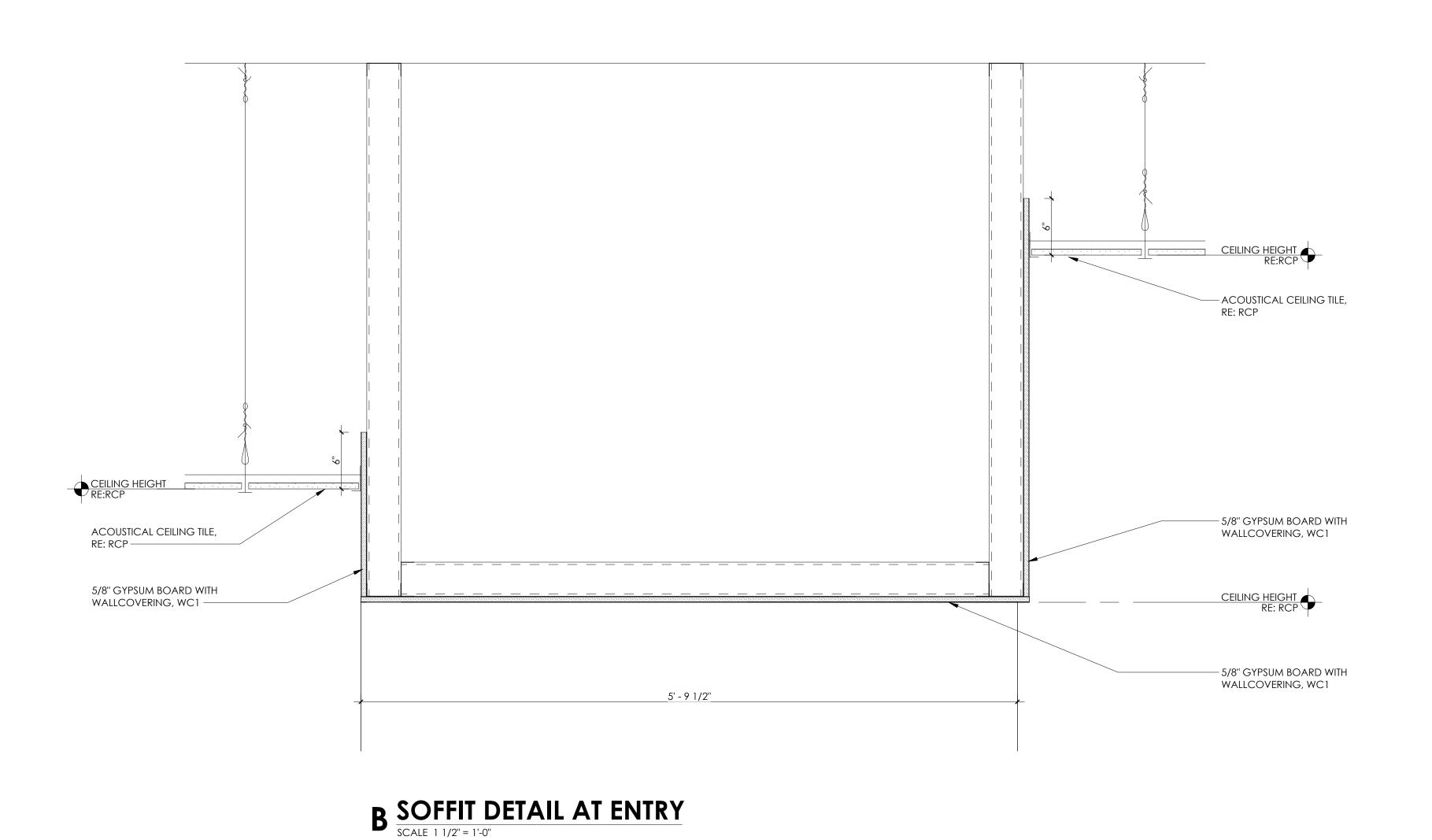


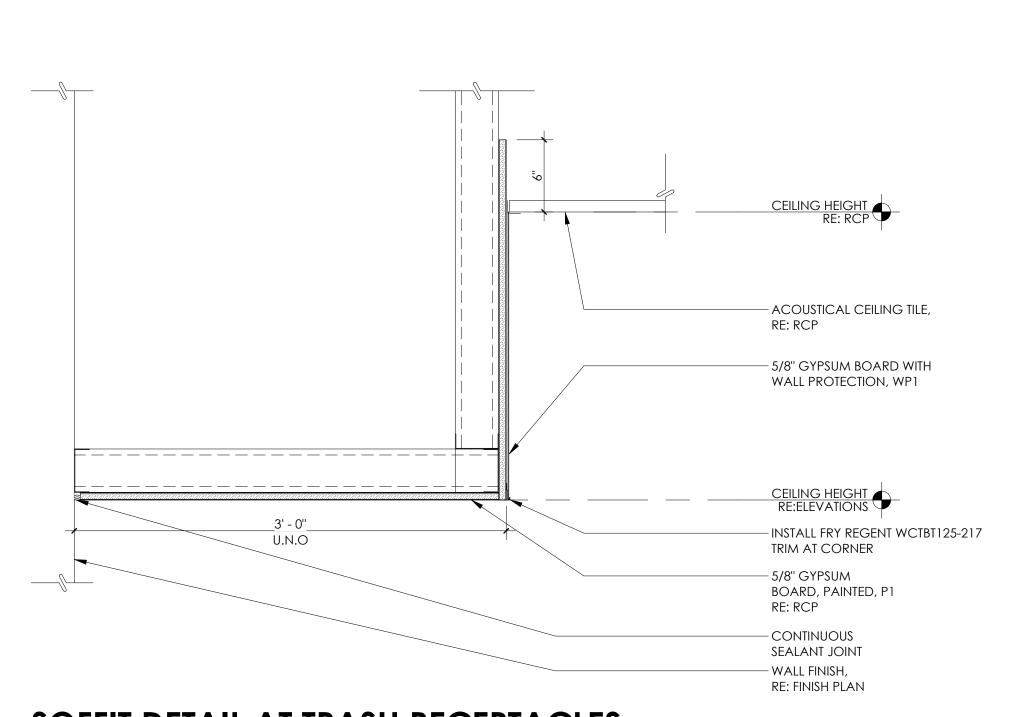
CENTRAL SCHOOL **CAFETERIA REMODEL**











A SOFFIT DETAIL AT TRASH RECEPTACLES

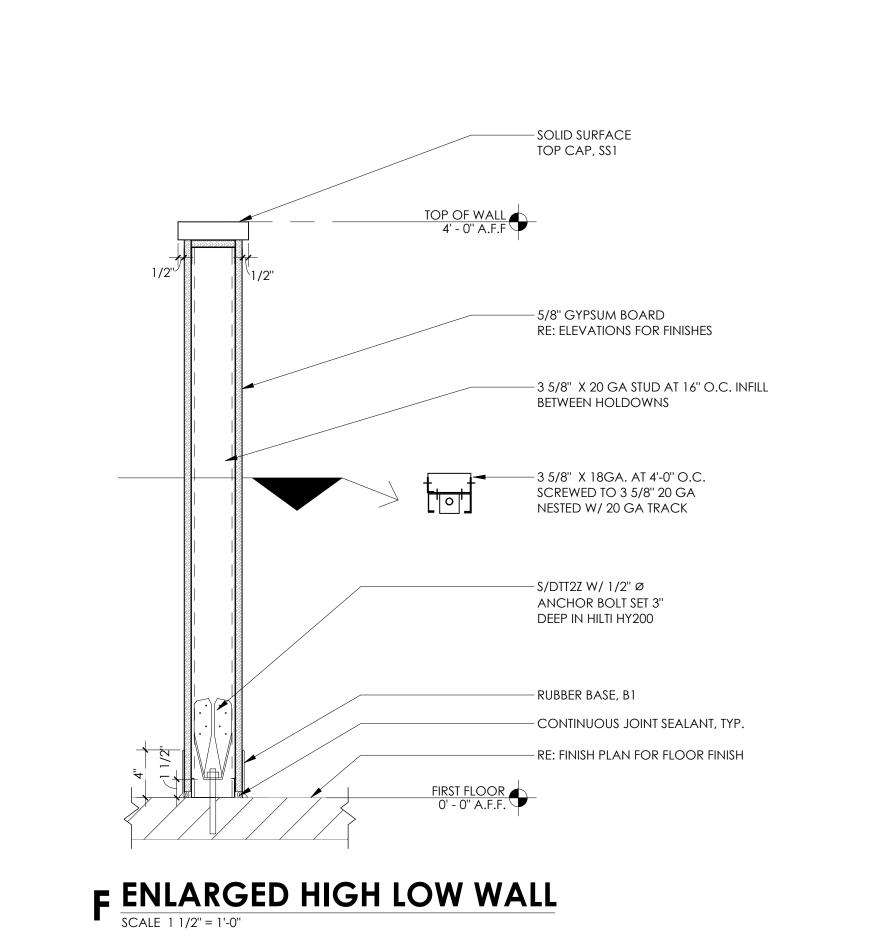
SCALE 1 1/2" = 1'-0"

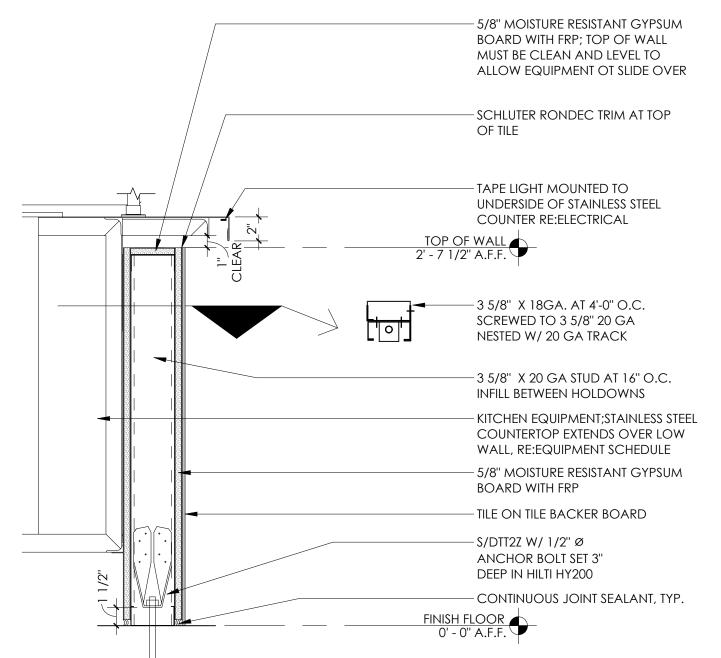
11.27.2024

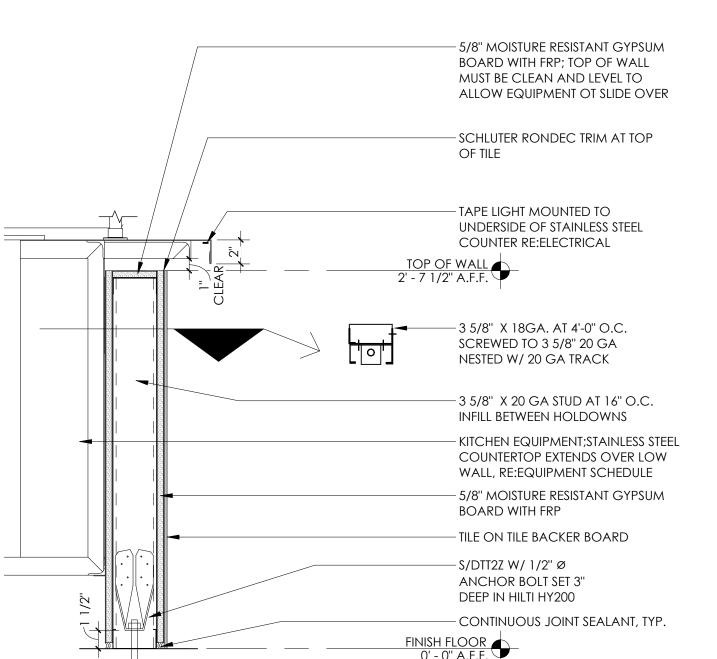
A240040

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RCP SOFFIT DETAILS

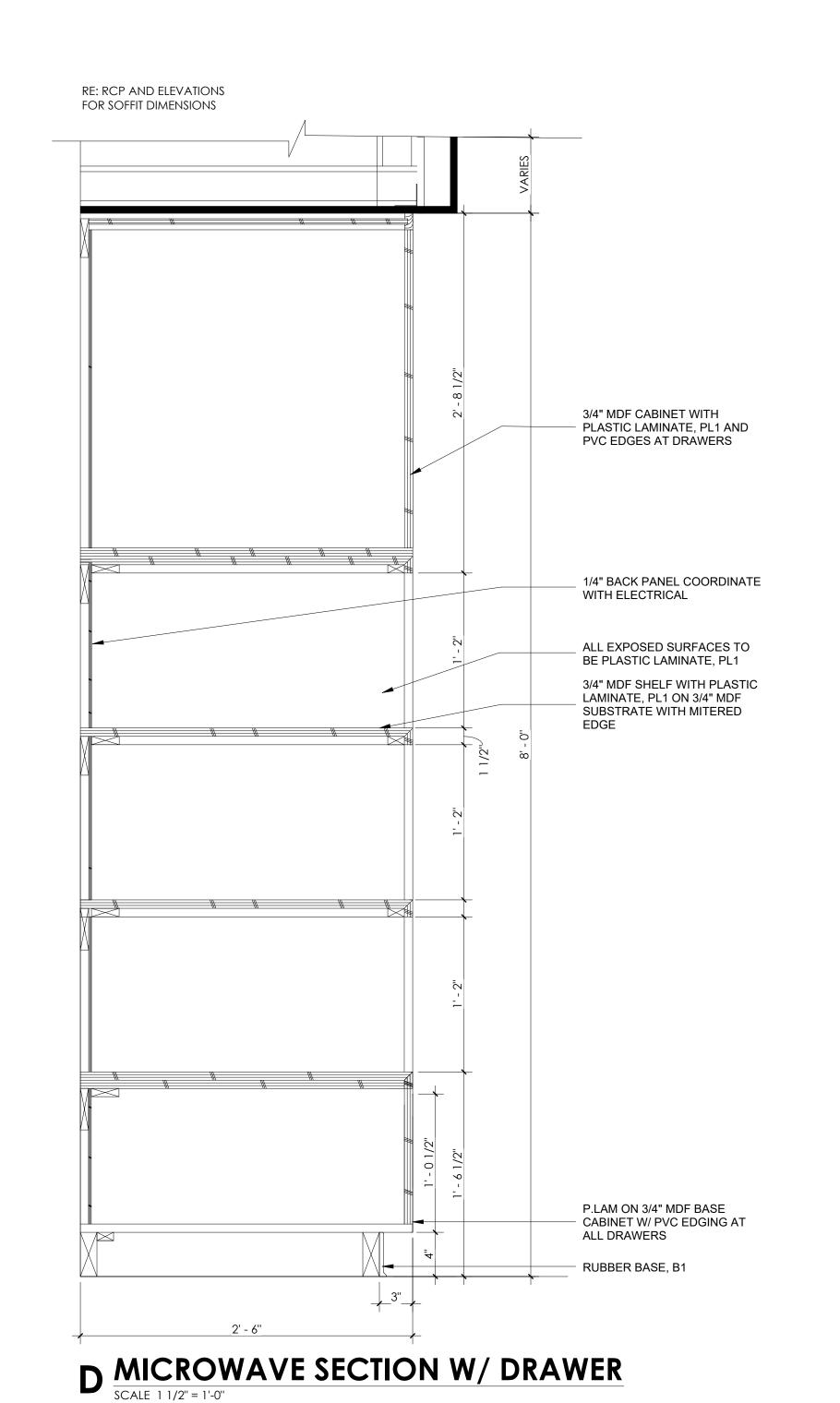


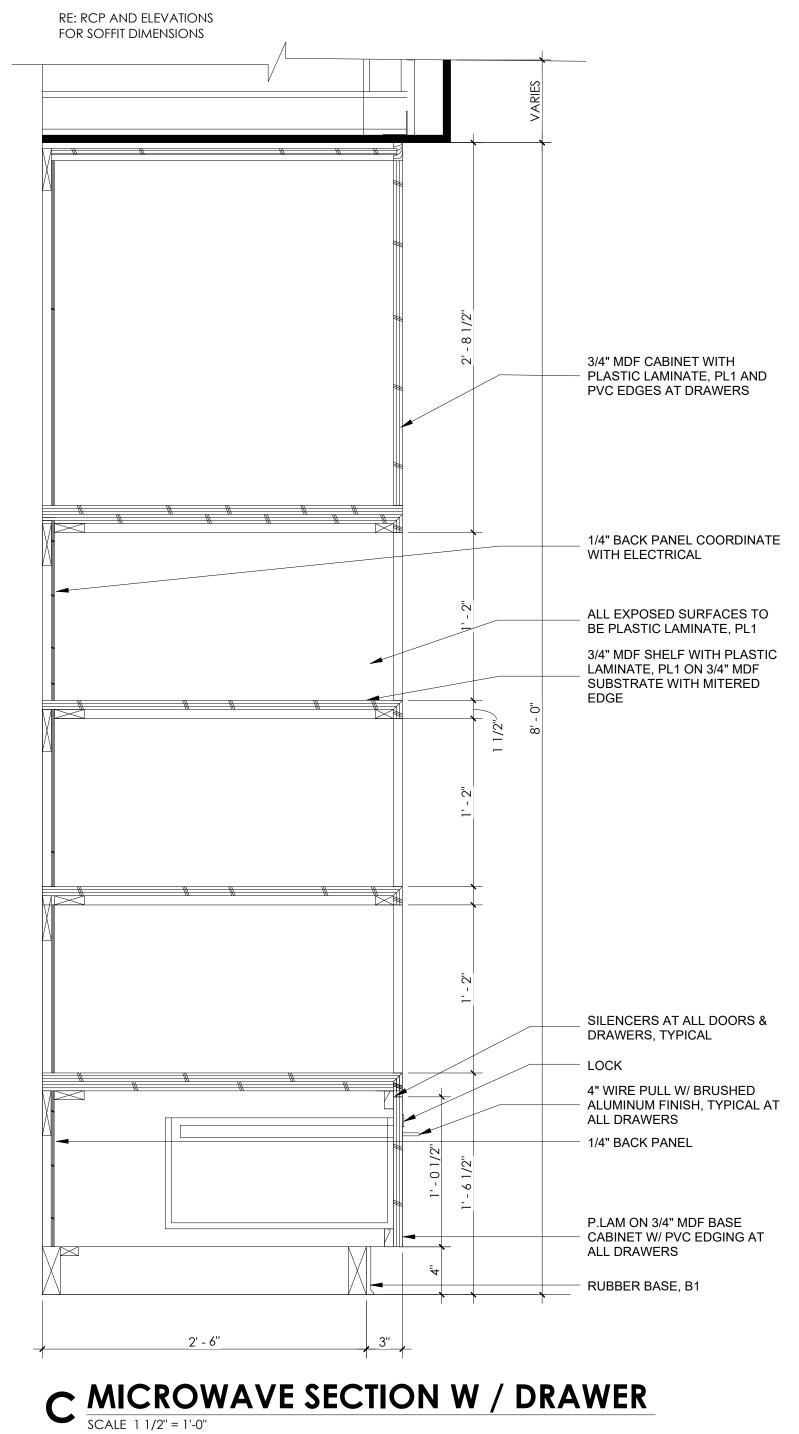




E ENLARGED SECTION DETAIL

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





#4 x CONT.

HILTI HY200

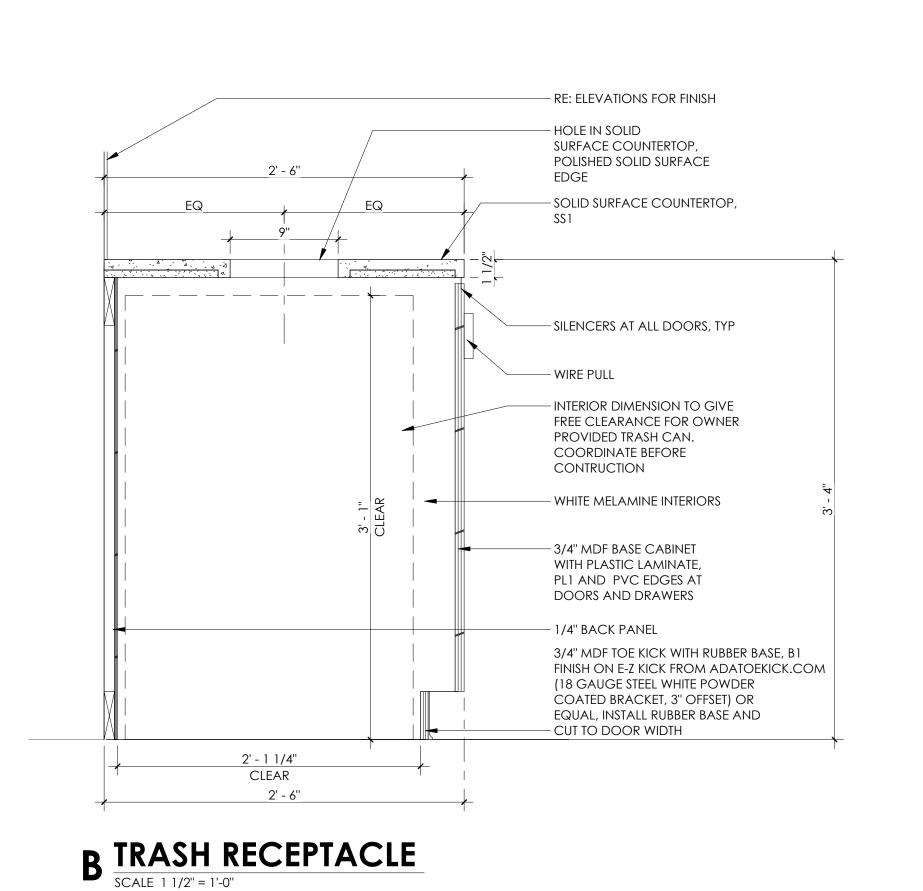
— EXISTING SLAB

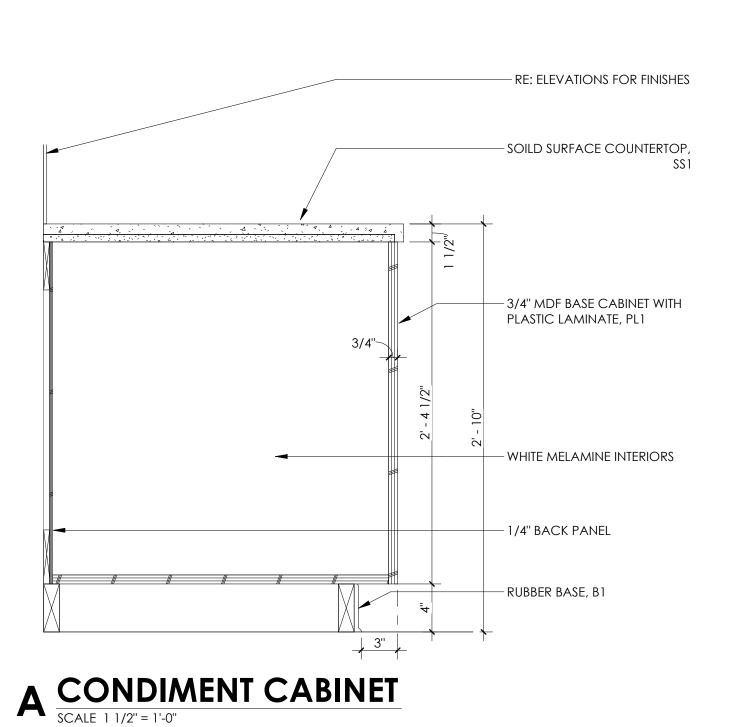
G SECTION AT CURB

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

#4 AT 12" O.C. (2 MIN.)

DOWEL INTO CONC. WITH





MILLWORK

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CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

A240040

11.27.2024

3101 W. EDISION ST. TULSA, Ok 74127

PARTITION TYPE NOTES

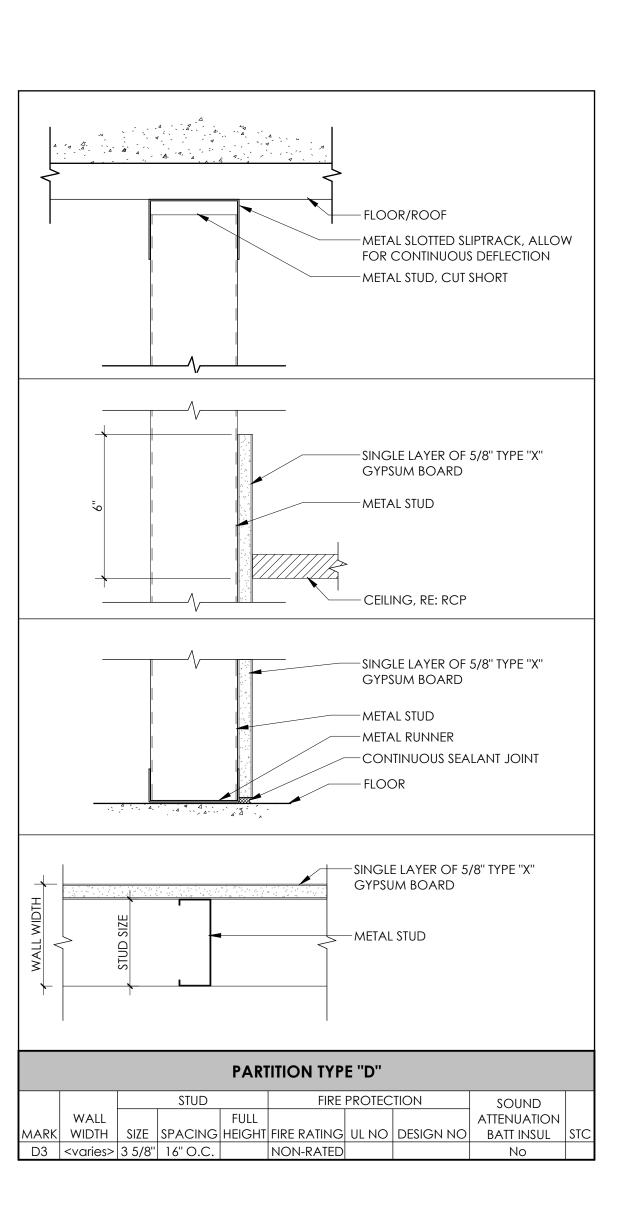
- 1. SMOKE AND FIRE RATED PARTITIONS SUBMITTAL REQUIREMENTS:
 - A. SUBMIT UL LISTED ASSEMBLY DETAILS FOR EACH WALL ASSEMBLY INCLUDING HEAD-OF-WALL JOINT, BOTTOM-OF-WALL JOINT, AND PENETRATIONS THROUGH RATED ASSEMBLY.
- B. SUBMITTAL TO INCLUDE PRODUCT DATA AND ACCESSORIES REQUIRED FOR EACH UL LISTED ASSEMBLY DETAIL.
- C. REFER TO FIRESTOP SPECIFICATIONS FOR A COMPLETE LIST OF REQUIREMENTS.
- 2. DRYWALL CONTROL JOINTS SHALL BE INSTALLED PER

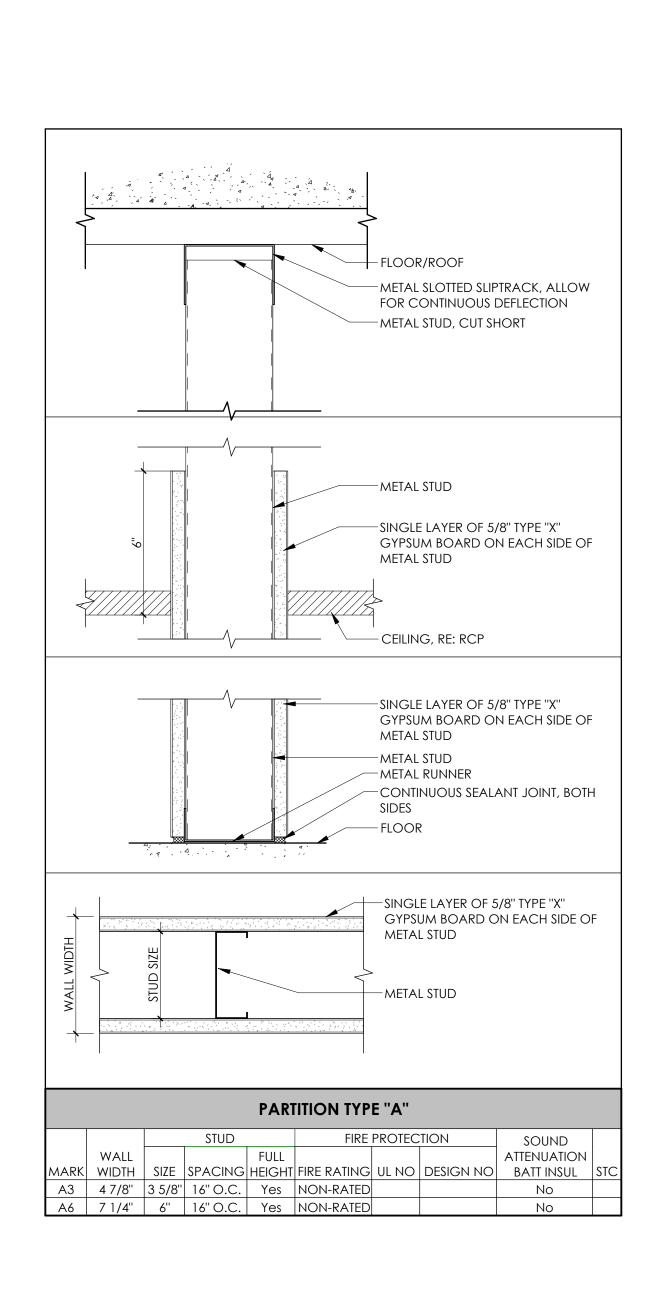
GA-216 AND AS SHOWN ON DRAWINGS.

- INSTALL CORNER BEADS AT OUTSIDE CORNERS O FGYPSUM BOARD PARTITIONS AND INSTALL "J" BEADS AT JOINTS WHERE GYPSUM BOARD ABUTS A DIFFERENT MATERIAL.
- 4. TILE BACKERBOARD SHALL BE USED AT WALLS TO RECEIVE TILE. RE: FINISH PLANS AND INTERIOR ELEVATIONS FOR TILE LOCATIONS.
- 5. MOISTURE RESISTANT GYPSUM BOARD SHALL BE USED AT THE FOLLOWING NON-TILED LOCATIONS.
- A. WET WALLS (WALLS WITH PLUMBING
- B. JANITOR CLOSETS
- C. LOCATIONS TO RECEIVE FRP

PENETRATIONS)

FIREBLOCKING REQUIRED IN WALL AT SAME HEIGHT OF CEILING AT WALL WHERE GYPSUM BOARD DOESN'T GO TO DECK.





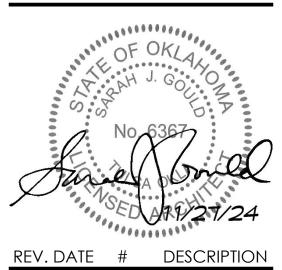


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CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

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11.27.2024

PARTITION TYPES

DOO	R SCHE	DULE										
	ASSEMBLY DOOR				FRAME			DET	AIL	HARDWARE		
DOOR #	DOOR SIZE	RATING	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SET	COMMENTS
105A	4' - 0" X 7' - 0"		F	WD	PAINT	1	НМ	PAINT	A/A602	B/A602	1	
105B	PP 3' _ 0" X 7' _ 0"		F	WD	PAINIT	2	Нлл	PAINIT	Δ / Δ 602	R/Δ402	2	REMOVABLE MULLION

DOOR TYPES

SCHEDULE

HM FRAME TYPES

RE: DOOR SCHEDULE

1

RE: DOOR | SCHEDULE

2

- 5/8" GYPSUM BOARD ON METAL STUDS

— 6" METAL STUD HEADER

A ENLARGED HEAD DETAIL
SCALE 3" = 1'-0"

— HOLLOW METAL FRAME, PAINT



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CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

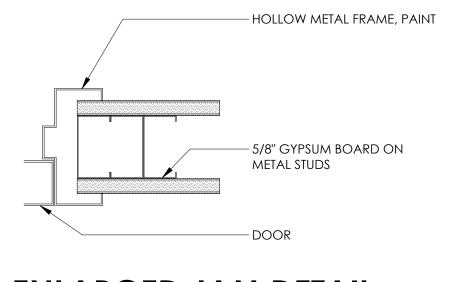
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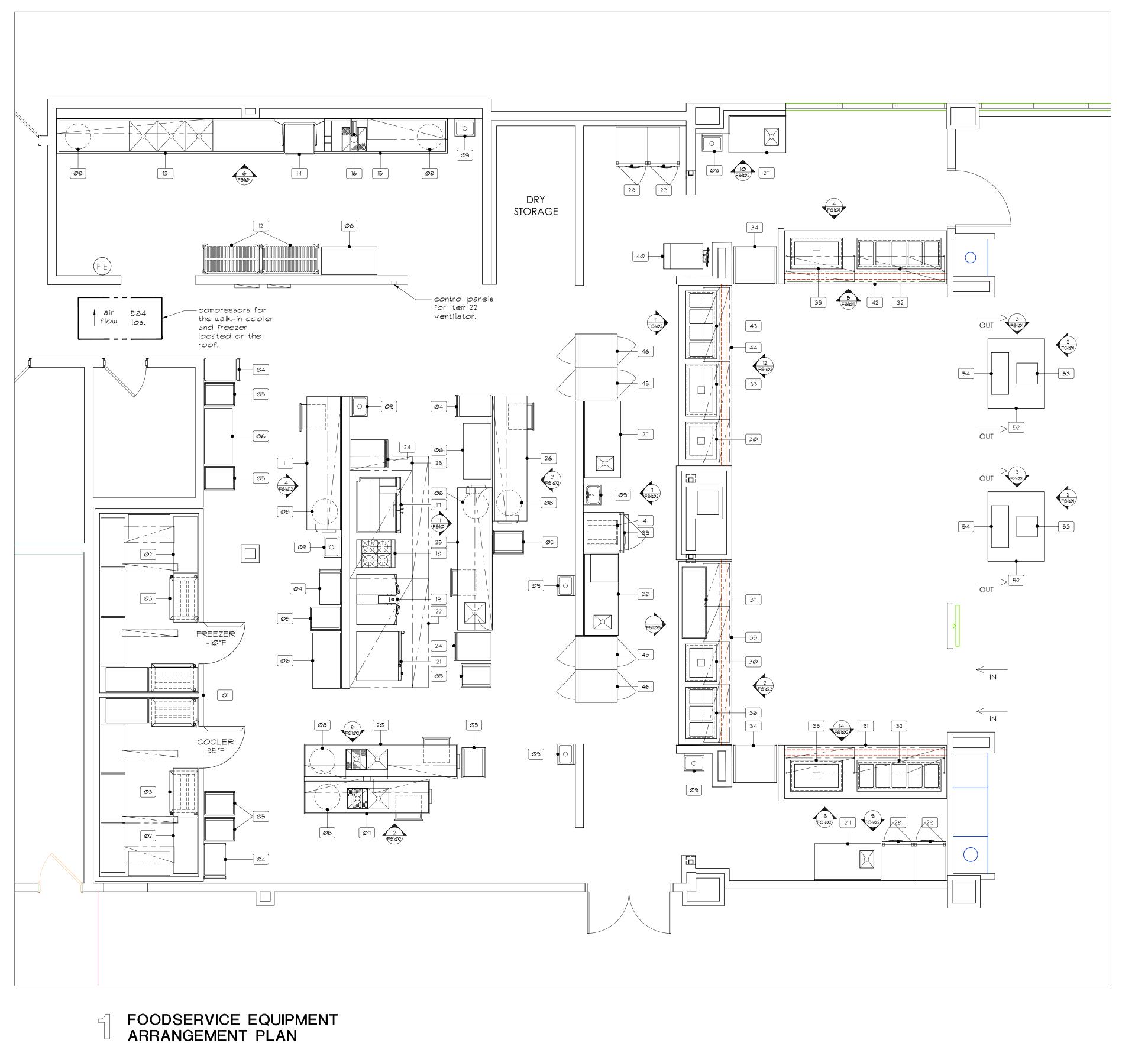


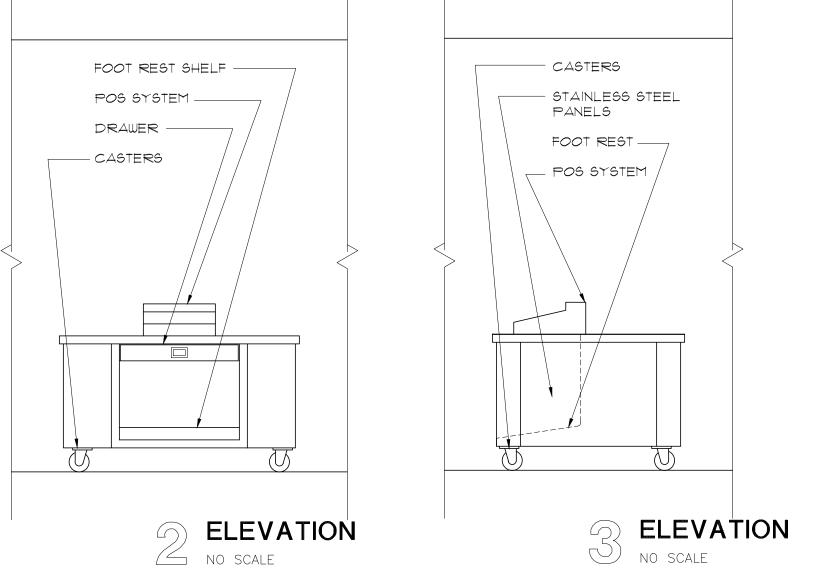
11.27.2024

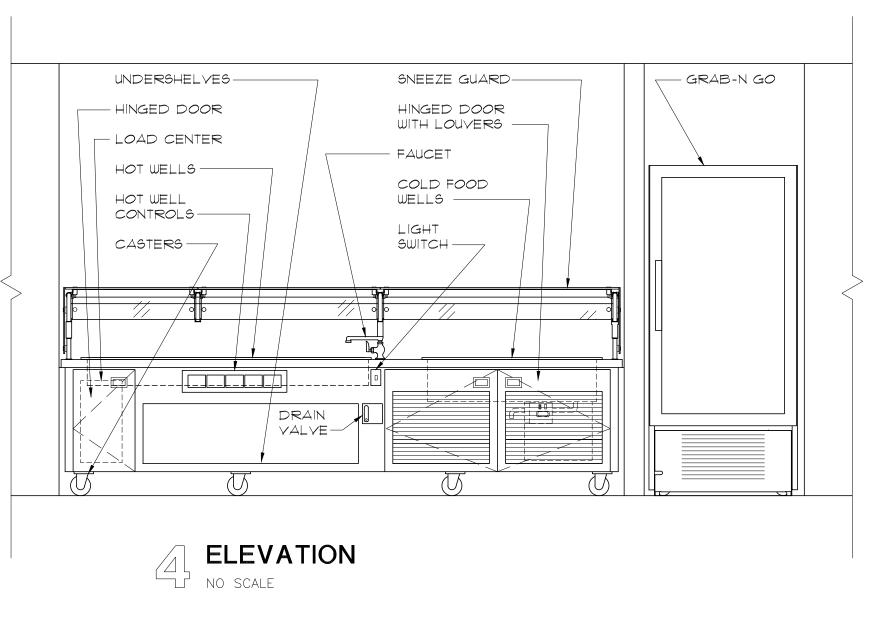
DOOR & WINDOW SCHEDULES AND TYPES

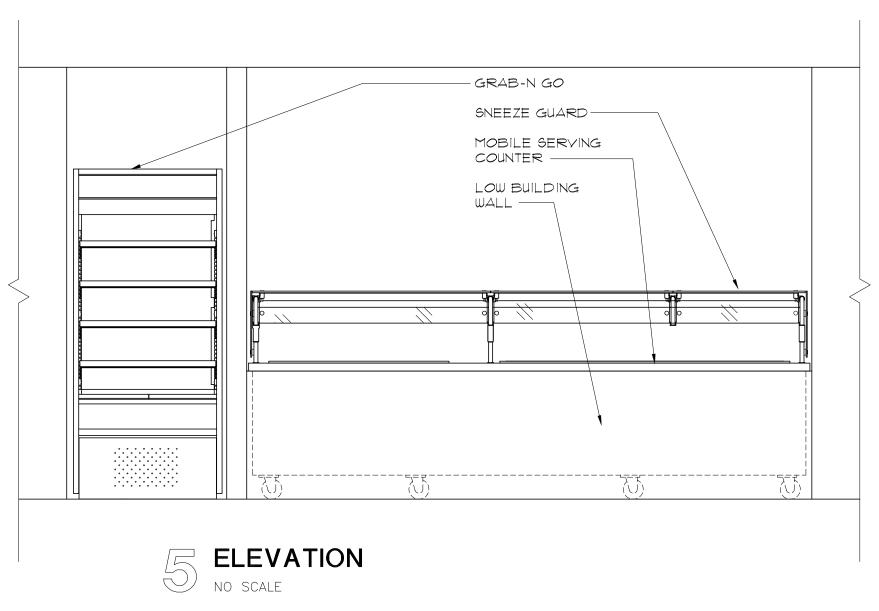


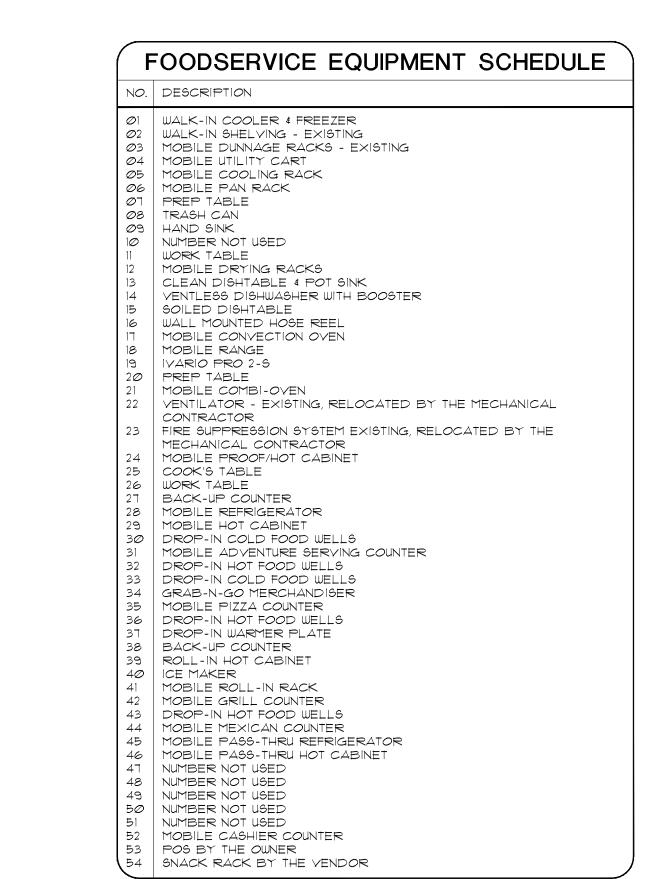
B ENLARGED JAM DETAIL
SCALE 3" = 1'-0"

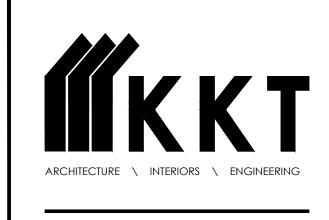












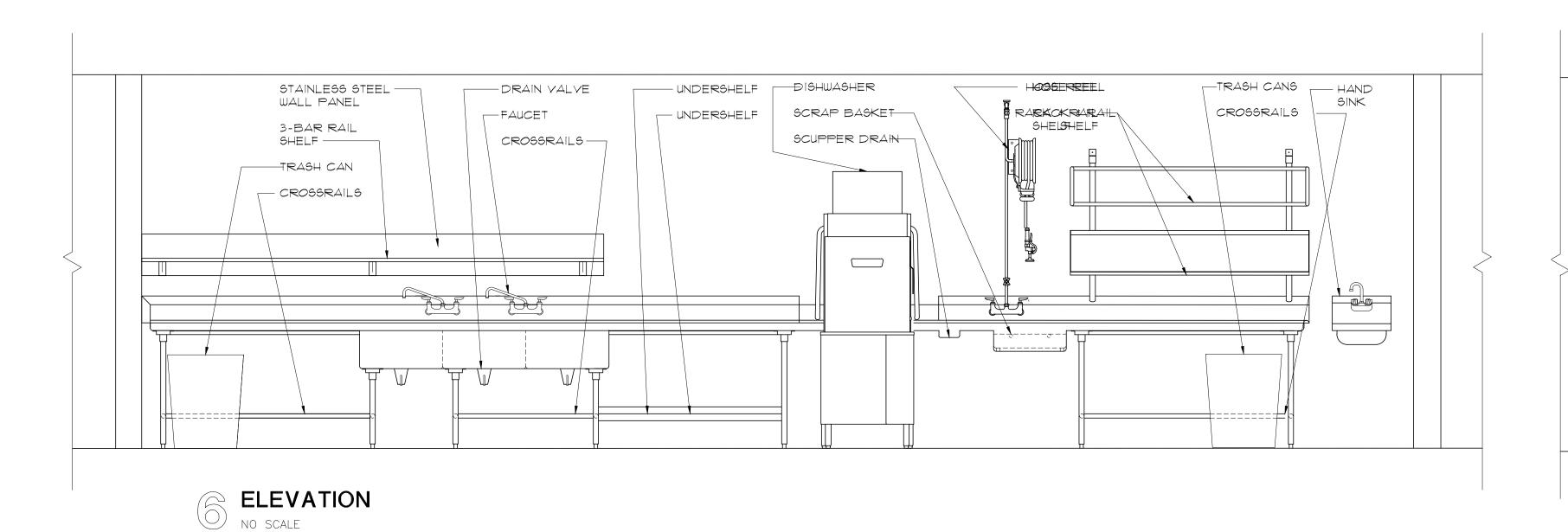
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CAFETERIA
REMODEL

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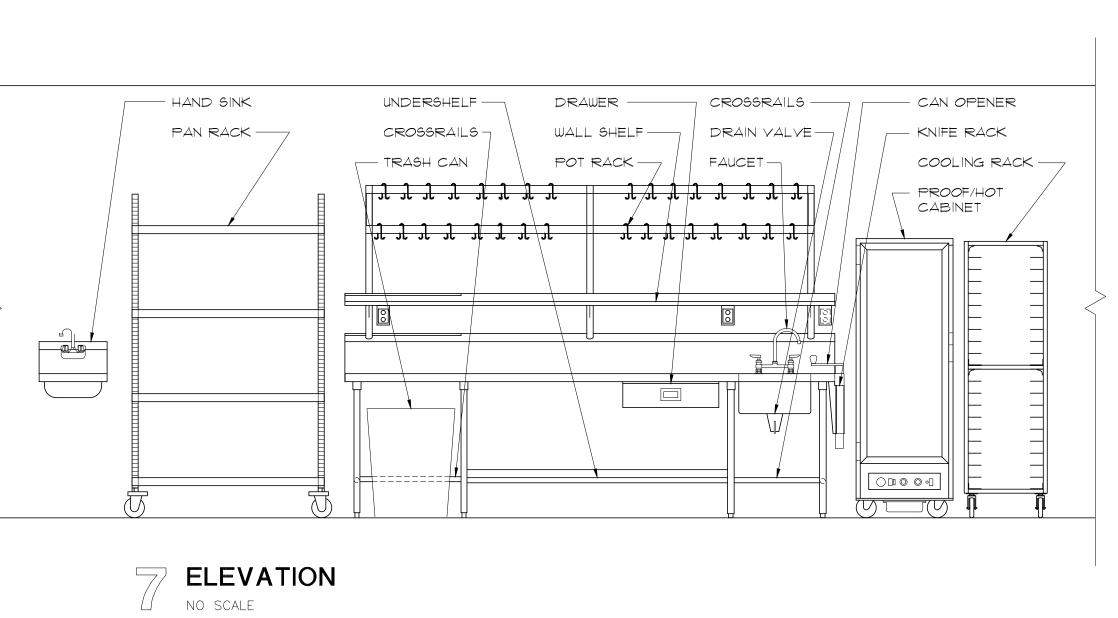
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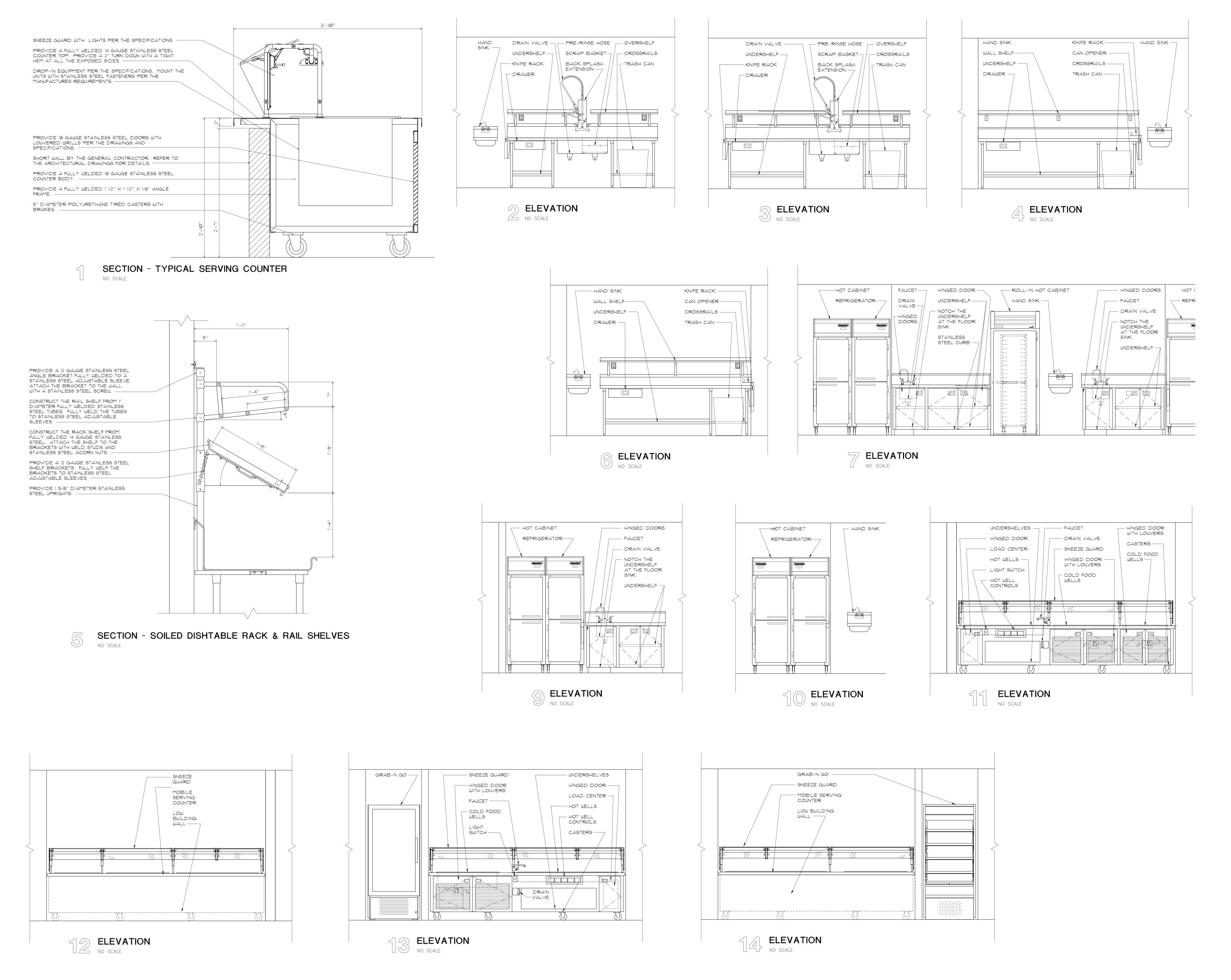
FOODSERVICE EQUIP. ARRANGEMENT PLAN

FS101



1/4" = 1'-0"





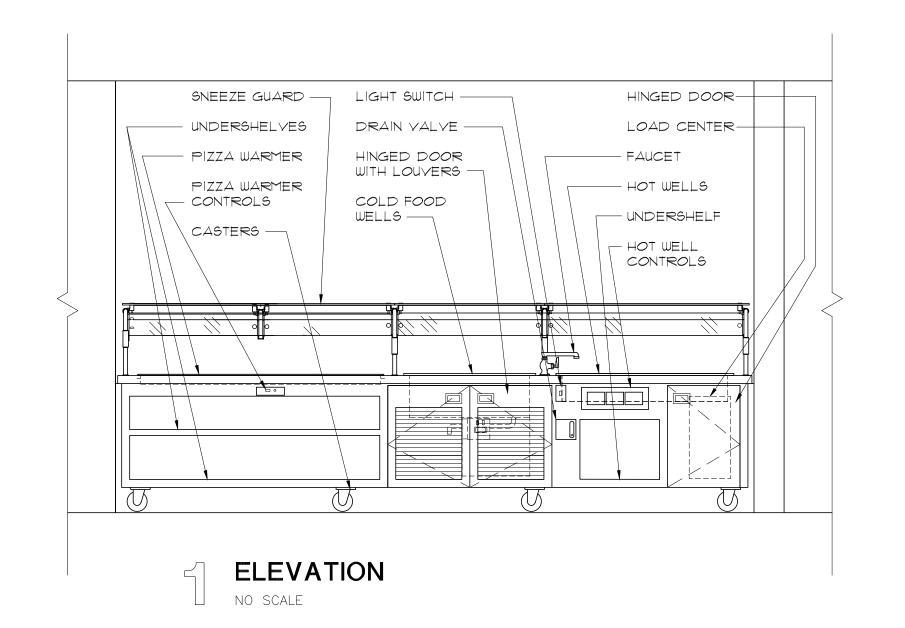


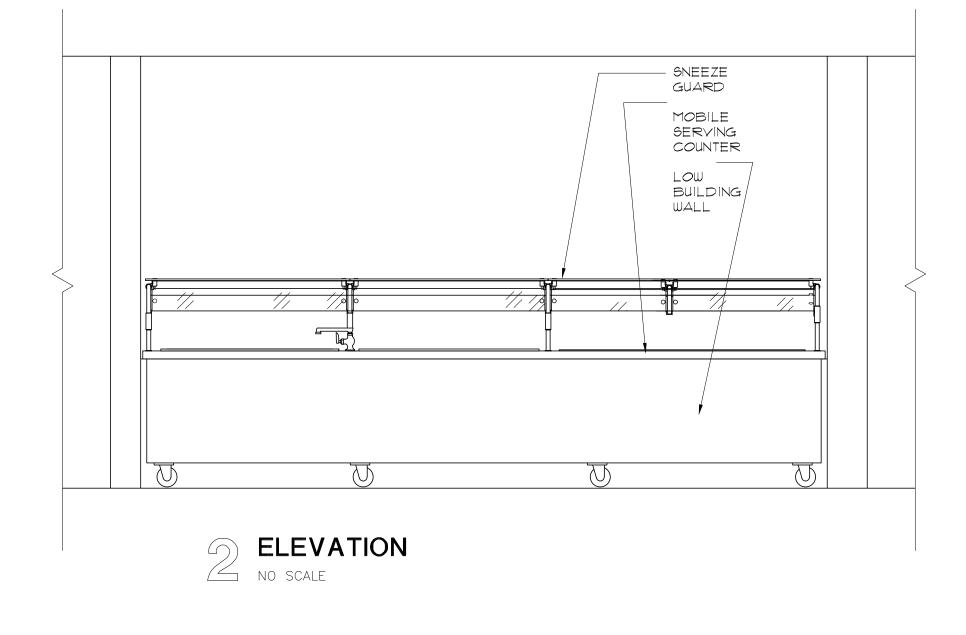
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FOODSERVICE EQUIP.
DETAILS & ELEVATIONS







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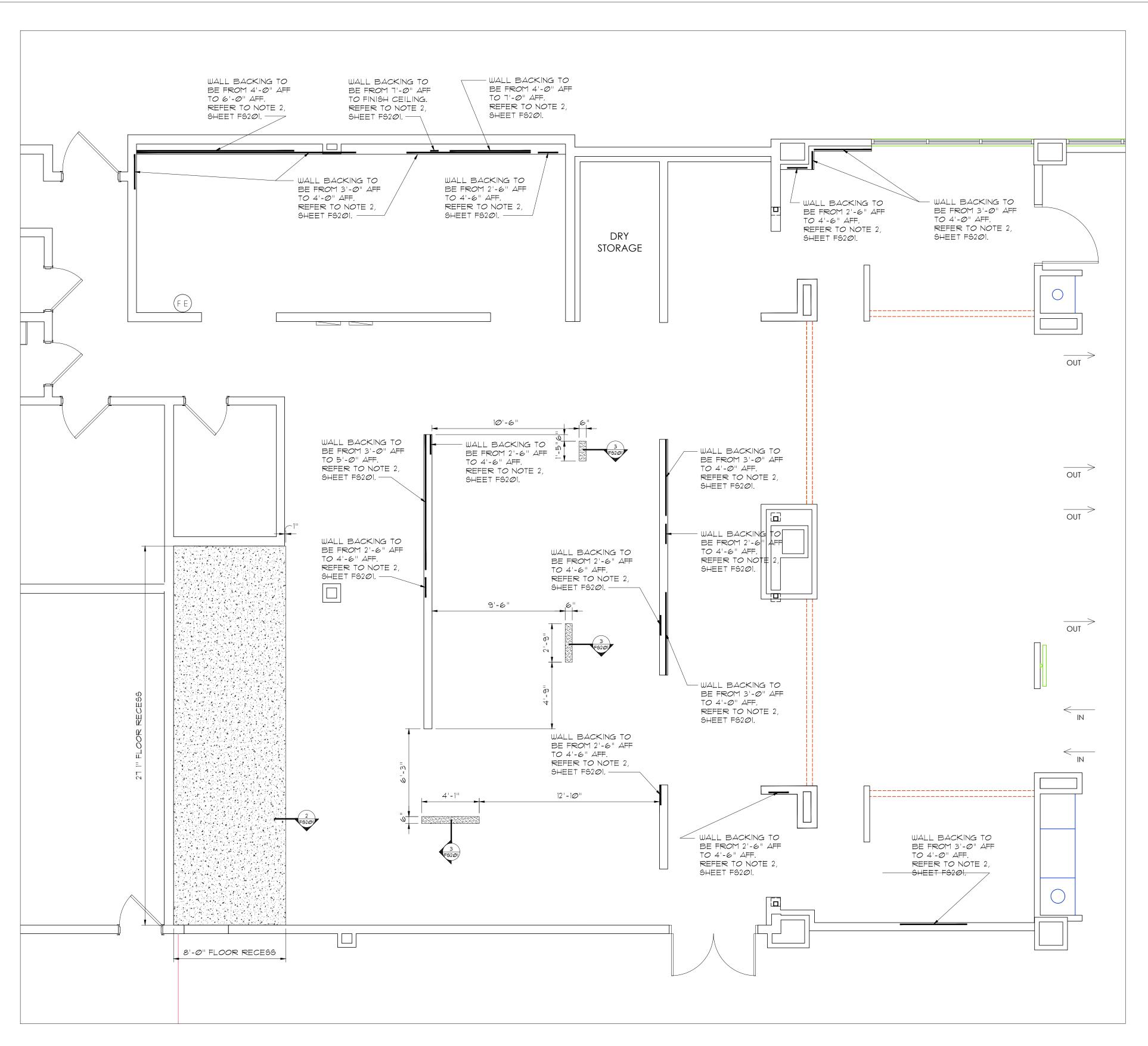
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FOODSERVICE EQUIP. ELEVATIONS



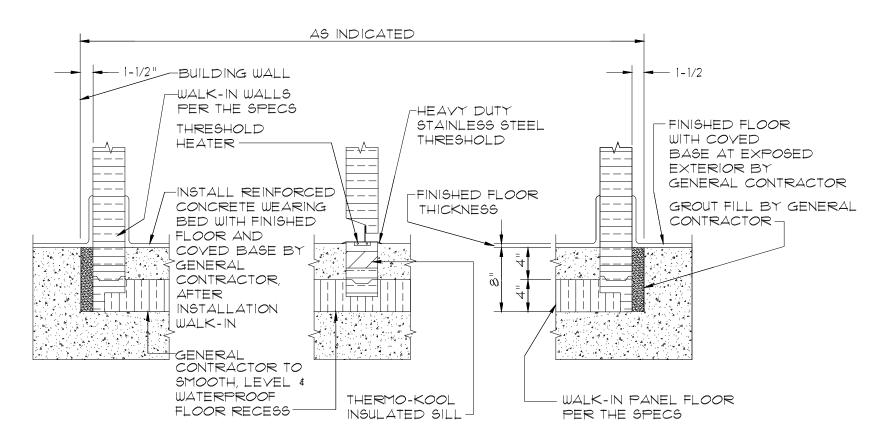
FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN 1/4" = 1'-0"

GENERAL NOTES

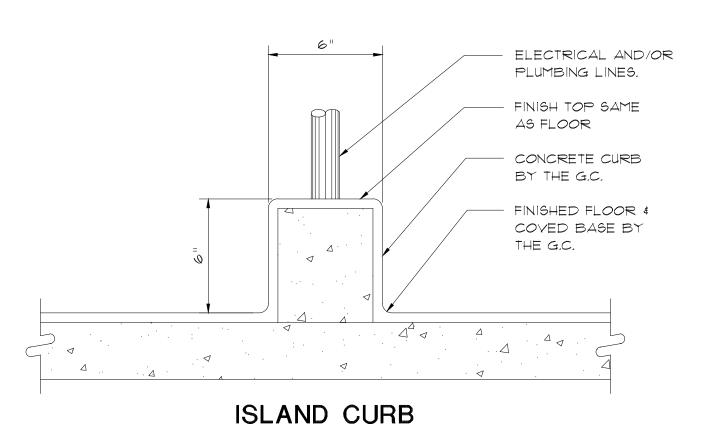
THE FOODSERVICE CONTRACTOR MUST COORDINATE AND VERIFY ALL DIMENSIONS WITH THE FOODSERVICE EQUIPMENT SHOP DRAWINGS AND THE MANUFACTURES DATA. DIMENSIONS ARE SHOWN FOR DESIGN AND BIDDING PURPOSES ONLY.

THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL 3/4" THICK WOOD BACKING IN THE WALL FOR THE MOUNTING OF THE EQUIPMENT FURNISHED BY THE FOODSERVICE CONTRACTOR. THE FOODSERVICE CONTRACTOR TO FURNISH EXACT DIMENSIONED LOCATIONS.

. THE WALK-IN DOORS MUST BE LEFT OPEN WHILE THE INTERIOR CONCRETE WALK-IN FLOOR CURES. FAILURE TO DO SO MAY DAMAGE THE INTERIOR OF THE WALK-IN REQUIRING THE UNIT TO BE REPLACED.



DETAIL - WALK-IN RECESS @ COOLERS & FREEZERS MO SCALE



SECTION - UTILITY CURB NO SCALE



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CENTRAL HIGH SCHOOL **CAFETERIA REMODEL**

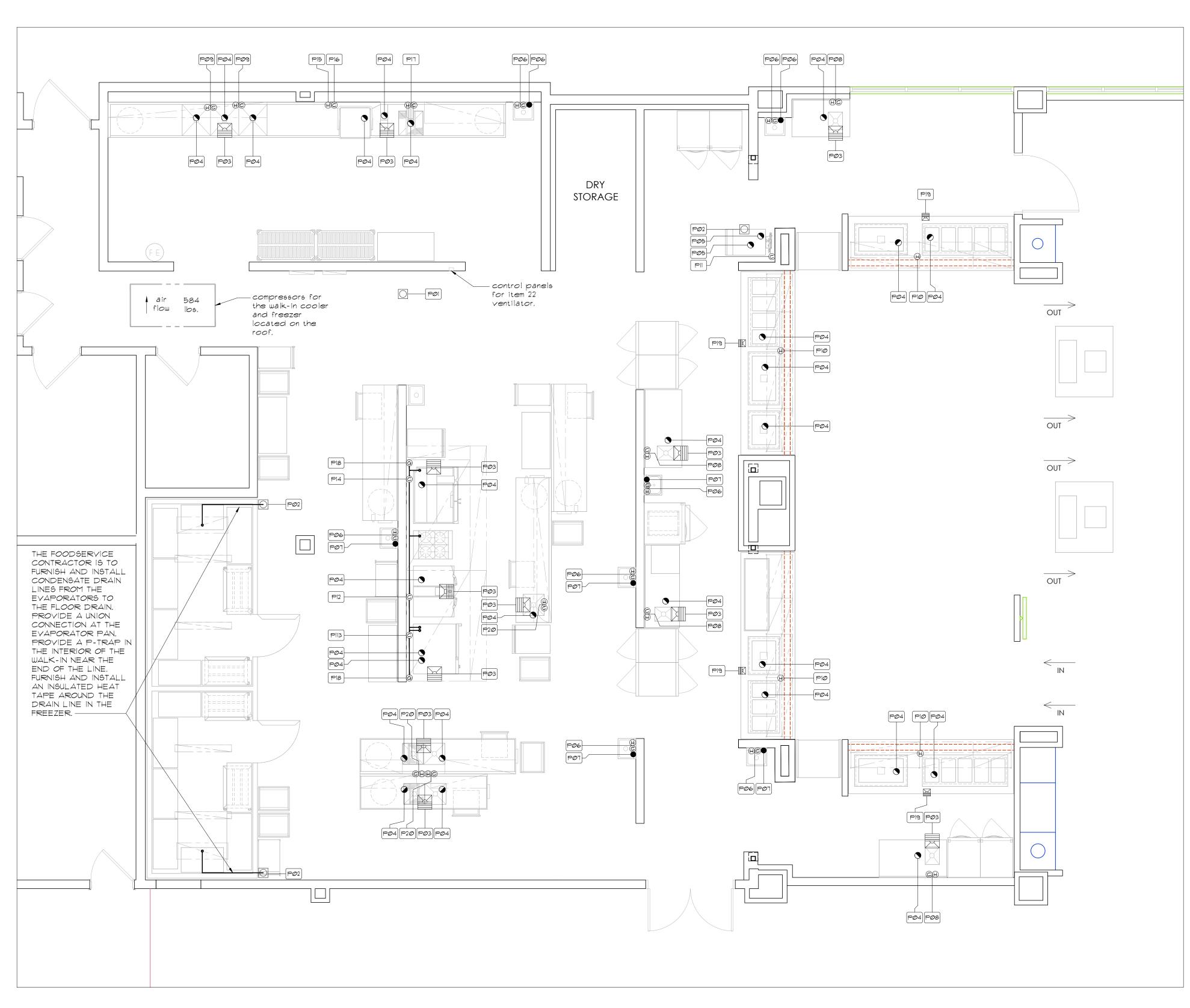
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FOODSERVICE EQUIP. SPECIAL CONDITIONS PLAN



FOODSERVICE EQUIPMENT
PLUMBING CONNECTIONS PLAN

1/4" = 1'-0"

7			PI	_UMBIN	G CC	ONNECTIONS SCHE	DULE
NO.	ITEM NO.	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	REMARKS
PØ1 PØ2	Ø1, 32, 33, 34, 36, 36, 4Ø, 43,		FD FD	FLOOR FLOOR	0"		AREA DRAIN THE PLUMBING CONTRACTOR IS TO EXTEND THE EQUIPMENT DRAIN TO THE FD.
PØ3	\$ 47 Ø7, 13, 14, 15, 19, 21, 25, 27, \$ 38	12" SQ.	FL. SINK	FLOOR	Ø"		THE PLUMBING CONTRACTOR IS TO EXTEND THE EQUIPMENT DRAIN TO THE FL. SINK. FURNISH WITH A 1/2 GRATE
PØ4	Ø1, 13, 14, 15, 25, 27, 30, 31, 32, 33, 35, 36, 38, 40, 42, 43, 44, \$47		IW	EQUIP.			THE PLUMBING CONTRACTOR IS TO FURNISH AND INSTALL THE LINE, DO NOT MANIFOLD MULTIPLY SINKS TOGETHER
PØ5	40		ΙW	EQUIP.			THE PLUMBING CONTRACTOR IS TO FURNISH AND INSTALL THE LINE. DO NOT MANIFOLD THIS LINE WITH ANY OTHER LINE.
P06 P01 P08 P09 P10	Ø9 Ø9 27	1/2" 2" 1/2" 3/4" 1/2"	H & CW DR H & CW H & UW H & UW	WALL WALL WALL WALL WALL	24" 8" 8" 8" 8"	FAUCET SINK FAUCET FAUCET FILL FAUCET	BTC BTC BTC BTC BTC BTC
P11 P12 P13 P14 P15	40 19 21 17	1/2" 1/2" 3/4" 1/2" 1/2"	CW CW CW CW	WALL WALL WALL WALL WALL	65" 12" 12" 12" 12"	ICE MAKER IVARIO PRO COMBI-OVEN CONVECTION OVEN DISHWASHER & DRAIN WATER TEMPERING KIT	BTC THRU THE WATER FILTER BTC BTC THRU THE WATER FILTER BTC BTC
P16 P17 P18	15 16 17, 18 19 \$ 22	3/4" /2" 	HW 140°F H & CW GAS	WALL WALL	12" 18 18"	DISHWASHER HOSE REEL CONV. OVEN 95M BTU/HR COMBI-OVEN 106.5M BTU/HR	BTC (36 GPH) BTC BTC - THE PLUMBING CONTRACTOR TO RUN THE GAS LINES DOWN THRU THE VENTILATOR AND CONNECT TO THE EQUIPMENT. THE FOODSERVICE CONTRACTOR IS TO FURNISH THE FIRE SUPPRESSION SYSTEM MECHANICAL GAS VALVE TO THE PLUMBING CONTRACTOR FOR
Pig	30, 31, 35, 42, 44 & 45	6" SQ.	FL. SINK	FLOOR	Ø"		INSTALLATION INTO THE GAS LINE. THE PLUMBING CONTRACTOR IS TO EXTEND THE EQUIPMENT DRAIN TO THE FL. SINK. FURNISH WITH A 1/2 GRATE
P2Ø	Ø7, 2Ø ₫ 25	1/2"	H & CW	FLOOR	9"	FAUCET	BTC

PLUMBING/MECHANICAL NOTES

DO NOT ROUGH-IN FROM THIS DRAWING. REFER TO CONTRACTOR'S DIMENSIONED DRAWINGS.

- 1. DIMENSIONS INDICATED ARE TO BE VERIFIED BY THE FOODSERVICE CONTRACTOR AND ADJUSTED AS REQUIRED BY THE FOODSERVICE EQUIPMENT OR FIELD CONDITIONS.
- EQUIPMENT OR FIELD CONDITIONS.

 2. VENTILATE REFRIGERATION MACHINERY ROOMS TO PROVIDE 950F. MAXIUM
- AMBIENT TEMPERATURE.
- 3. EXHAUST DUCTS AND FANS CONNECTED TO EXHAUST HOODS SHALL NOT SERVE ANY OTHER AREA OR APPLIANCE.
- 4. DUCTS OF MULTIPLE EXHAUST HOODS WITH COMMON CONTROL PANEL MUST BE INTEGRATED FOR USE WITH A SINGLE EXHAUST FAN.

 THE FOLLOWING WORK IS BY THE PLUMBING CONTRACTOR, REFER TO THE PLUMBING DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL INFORMATION:
- 5. FIELD INSTALLATION OF ACCESSORIES & FITTINGS PROVIDED LOOSE WITH THE FOODSERVICE EQUIPMENT.
- 6. SERVICE SINKS, LAVATORIES AND DRINKING FOUNTAINS.
- 1. GREASE-PROOF EXHAUST DUCTS FROM VENT CONNECTIONS OF THE EXHAUST
- 3. FLUSHING-OUT OF ALL PIPING AND DRAINAGE SYSTEMS PRIOR TO CONNECTION TO FOODSERVICE EQUIPMENT.

PLUMBING SYMBOLS

HW HOT WATER
CW COLD WATER

G G GAS SUPPLY

IW INDIRECT WASTE (EXTEND TO FD)

FD FLOOR DRAIN

FS FLOOR SINK - 1/2 GRATE

AFF ABOVE FINISHED FLOOR

BTC BRANCH TO CONNECTION

DFA DROP FROM ABOVE

NOTES

THE PLUMBING CONTRACTOR TO ROUGH-IN FROM THE FOODSERVICE CONTRACTORS ROUGH-IN DRAWINGS ONLY. THE PLUMBING CONTRACTOR WILL TAKE FULL RESPONSIBILITY FOR THE ROUGH-IN LOCATIONS IF THE FOODSERVICE AND/OR PLUMBING DRAWINGS ARE USED FOR THIS



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CERTIFICATE OF AUTHORIZATION
#534 EXPIRES 06/30/25

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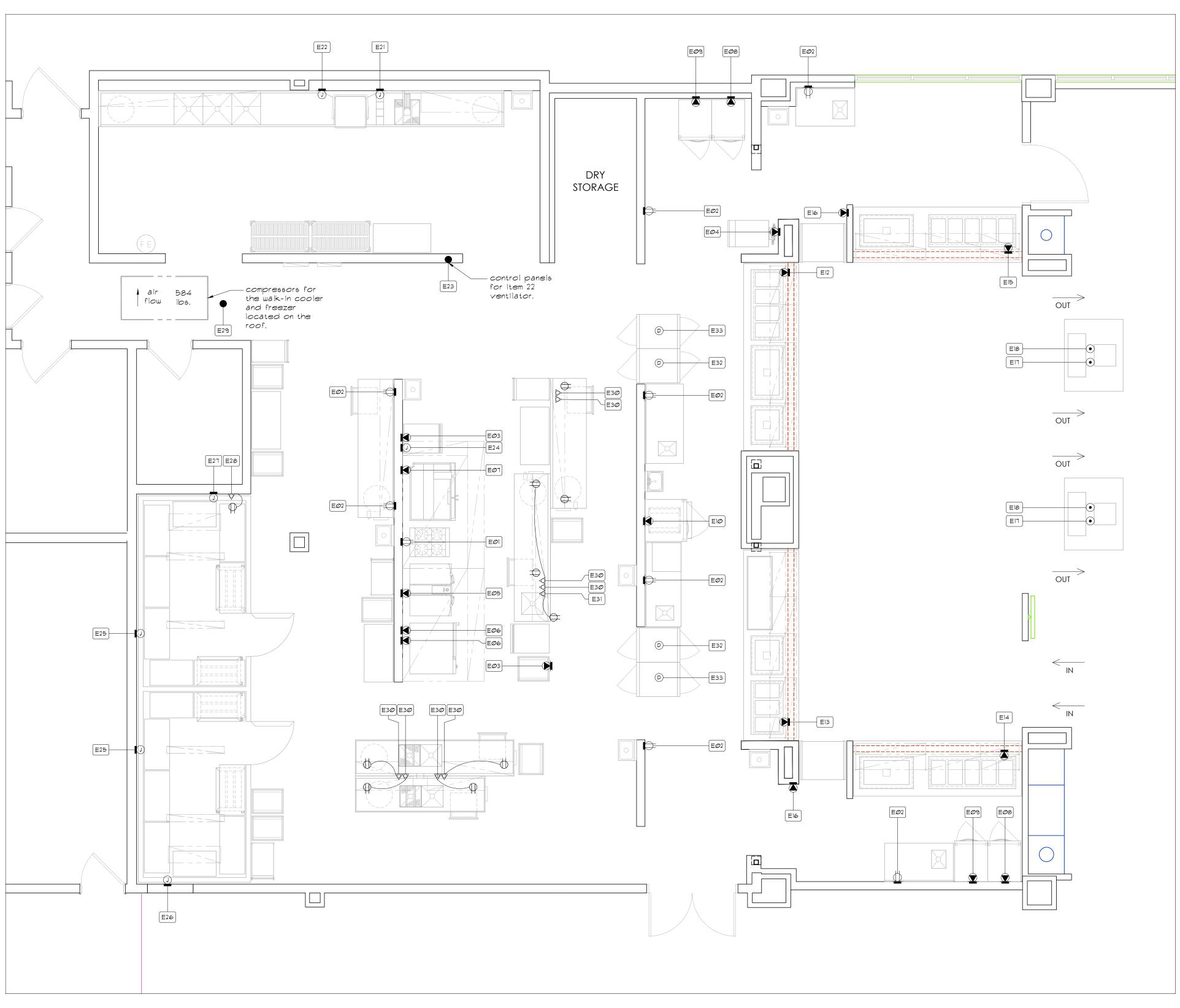
EV DATE # DESCRIPTION

REV. DATE # DESCRIPTION

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FOODSERVICE EQUIP.
PLUMBING
CONNECTIONS PLAN



FOODSERVICE EQUIPMENT **ELECTRICAL CONNECTIONS PLAN**

1/4" = 1'-0"

			ELECTE	RICAL	CON	NE	CTION	1S S	SCHEDULE
NO.	ITEM NO.	CONN.	SERVICE TO	RATING	VOLTS	PH	LOCATION	AFF	REMARKS
EØ1 EØ2	18 11, 27 # 38	DR DR	CONVENIENCE CONVENIENCE	16.0 A 16.0 A	120 120	1	WALL WALL	12" 50"	RATING ASSUMES A 20.0 A OUTLET. RATING ASSUMES A 20.0 A OUTLET.
EØ3 EØ4	24 4Ø	SR SR	MOBILE PROOF/HOT CAB. ICE MAKER	1.92 KW 11.3 A	12 <i>Ø</i> 12 <i>Ø</i>	1	WALL WALL	50" 50"	CORD & PLUG BY THE ELECTRICAL CONTRACTOR.
EØ5	19	SR	IVARIO PRO 2-9	23.Ø KW	208	3	WALL	12"	CORD & PLUG BY THE ELECTRICAL CONTRACTOR.
EØ6	21	SR	COMBI-OVEN	900 W	208	1	WALL	12"	CORD & PLUG BY THE ELECTRICAL CONTRACTOR.
EØ7 EØ8	17 29	SR SR	CONVECTION OVEN HOT CABINET	15.0A 1.5 KW	120 208	1	WALL WALL	12" 90"	CORD & PLUG BY THE ELECTRICAL CONTRACTOR.
E09 E10	28 39	SR SR	REFRIGERATOR ROLL-IN HOT CABINET	1/4 HP 1.5 KW	12 <i>0</i> 2 <i>0</i> 8	1	WALL WALL	90" 90"	CORD & PLUG BY THE ELECTRICAL CONTRACTOR.
E11 E12	NUMBER 44	NOT US	ED MEXICAN SERVING COUNTER	25.Ø A	208	3	WALL	12"	125.0 AMP LOAD CENTER IN THE EQUIPMENT BY THE FOODSERVICE CONTRACTOR. 4-WIRE. LOAD SHOWN IS
E13	35	SR	PIZZA SERVING COUNTER	28.Ø A	208	3	WALL	12"	ACTUAL LOAD PLUS 25%. 125.0 AMP LOAD CENTER IN THE EQUIPMENT BY THE FOODSERVICE CONTRACTOR. 4-WIRE. LOAD SHOWN IS
E14	31	SR	ADVENTURE SERVING COUNTER	27 <i>.</i> Ø A	208	3	WALL	12"	ACTUAL LOAD PLUS 25%. 125.0 AMP LOAD CENTER IN THE EQUIPMENT BY THE FOODSERVICE CONTRACTOR. 4-WIRE. LOAD SHOWN IS ACTUAL LOAD PLUS 25%.
EI5	42	SR	GRILL SERVING COUNTER	27 <i>.</i> Ø A	208	3	WALL	12"	125.0 AMP LOAD CENTER IN THE EQUIPMENT BY THE FOODSERVICE CONTRACTOR. 4-WIRE. LOAD SHOWN IS ACTUAL LOAD PLUS 25%.
E16 E17 E18	34 53 53	SR FR FR	GRAB-N-GO REFRIGERATOR POS SYSTEM POS SYSTEM	15.14 A 12.0 A 	12 <i>Ø</i> 12 <i>Ø</i> 	1 1	WALL FLOOR FLOOR	65" 0"	PROVIDE AN EMPTY CONDUIT FOR DATA CABLE. VERIFY THE CONDUIT SIZE AND ENDING LOCATION WITH THE OWNER.
E19 E2Ø	NUMBER NUMBER								
E21	14	JB	DRAIN WATER TEMPERING KIT	5.Ø A	120	1	WALL	12"	BTC
E22	14	JB	DISHWASHER	1 HP, 6.0 KW \$ 12.0 KW	208	3	WALL	66"	BTC
E23 E24	22 23	CS JB	VENTILATOR EMS SYSTEM FIRE SUPPRESSION SYSTEM	15.0 A 5.0 A	12Ø 12Ø	1 1	WALL WALL	48" 108"	BTC
E25	Ø1	JB	WALK-IN LIGHTS & HEATER	6.0 A	120	1	WALL	108"	BTC - PENETRATE THE WALK-IN THROUGH THE TOP, RUN THE CONDUIT NEAR THE CEILING IN A NEAT MANNER, SEAL THE HOLE
E26	<i>0</i> 1	JB	WALK-IN EVAPORATOR	1.0 A	208	1	WALL	108"	AND THE CONDUIT IN AN AIR TIGHT MANNER. BTC - PENETRATE THE WALK-IN THROUGH THE TOP. RUN THE CONDUIT NEAR THE CEILING IN A NEAT MANNER. SEAL THE HOLE
E27	0 1	JB	WALK-IN EVAPORATOR	9.8 A	208	1	WALL	108"	AND THE CONDUIT IN AN AIR TIGHT MANNER. BTC - PENETRATE THE WALK-IN THROUGH THE TOP. RUN THE CONDUIT NEAR THE CEILING IN A NEAT MANNER. SEAL THE HOLE
E28	Ø 1	CSR	WALK-IN HEAT TAPE	16.0 A	120	1	WALL	108"	AND THE CONDUIT IN AN AIR TIGHT MANNER. BTC - PENETRATE THE WALK-IN THROUGH THE TOP. RUN THE CONDUIT NEAR THE CEILING IN A NEAT MANNER. SEAL THE HOLE AND THE CONDUIT IN AN AIR TIGHT MANNER. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL A RECEPTACLE IN THE WALK-IN FOR THE HEAT TAPE.
E29 E3Ø	Ø1 Ø7,2Ø ≉ 25	CS CSR	REFRIGERATION SYSTEM CONVENIENCE	28.0 A 16.0 A	208 120	3	ROOF FLOOR	9"	BTC BTC - RATING ASSUMES A 20.0 A OUTLET. SEE DETAIL 2. SHEET FS401.
E31 E32 E33	24 45 46	CSR DCR DCR	MOBILE PROOF/HOT CABINET PASS-THRU REFRIGERATOR PASS-THRU HOT CABINET	1.92 KW 1/4 HP 1.5 KW	120 120 208	1 1 1	FLOOR CEILING CEILING	9" 90" 90"	SEE DETAIL 2, SHEET FS4Ø1. SEE DETAIL 3, SHEET FS4Ø1. SEE DETAIL 3, SHEET FS4Ø1.

ELECTRICAL NOTES

DO NOT ROUGH-IN FROM THIS DRAWING, REFER TO CONTRACTOR'S DIMENSIONED

- VERIFY ALL ELECTRICAL CHARACTERISTICS WITH ARCHITECT'S ENGINEERING DRAWINGS.
- 2. DIMENSIONS INDICATED ARE TO BE VERIFIED BY THE FOODSERVICE CONTRACTOR AND ADJUSTED AS REQUIRED BY THE FOODSERVICE EQUIPMENT AND/OR FIELD CONDITIONS.
- REFER TO ARCHITECT'S DRAWINGS FOR CLOCKS, STAFF TIME-CLOCKS AND COMMUNICATION SYSTEMS IN FOODSERVICE AREAS.

THE FOLLOWING WORK IS BY THE ELECTRICAL CONTRACTOR, REFER TO THE ELECTRICAL DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL INFORMATION: 4. FIELD INSTALLATION OF ACCESSORIES & FITTINGS PROVIDED LOOSE WITH THE

- FOODSERVICE EQUIPMENT.
- 5. ALL RECEPTACLES TO BE GFI RECEPTACLES PER CODES. 6. CONDUIT AND WIRING BETWEEN THE WALK-IN COOLER AND FREEZER

WITH SILICONE SEALANT.

- CONDENSING UNITS AND THE EVAPORATORS FOR CONTROLS, FAN MOTORS AND DEFROST HEATING ELEMENTS. . CONDUIT AND WIRING FROM EXHAUST HOOD FIRE EXTINGUISHING CYLINDER SWITCH TO EXHAUST HOOD DETECTORS, COOKING EQUIPMENT FUEL SHUT-OFF DEVICES AND ALARM.
- 8. CONTACTOR OR SHUNT-TRIP BREAKER FOR FUEL SHUT-OFF TO ALL ELECTRICALLY HEATED COOKING EQUIPMENT INDICATED ON DRAWINGS. FUEL SHUT-OFF DEVICE SHALL BE ACTUATED BY FIRE EXTINGUISHING SYSTEM DETECTOR LOCATED IN EXHAUST HOOD.
- DE PENETRATIONS IN THE WALK-IN COOLER AND FREEZER MUST BE SEALED IN AN AIR TIGHT MANNER. INSTALL STAINLESS STEEL ESCUTCHEON FLANGE ON THE INTERIOR AND EXTERIOR OF THE UNITS. SEAL THE ESCUTCHEON FLANGE

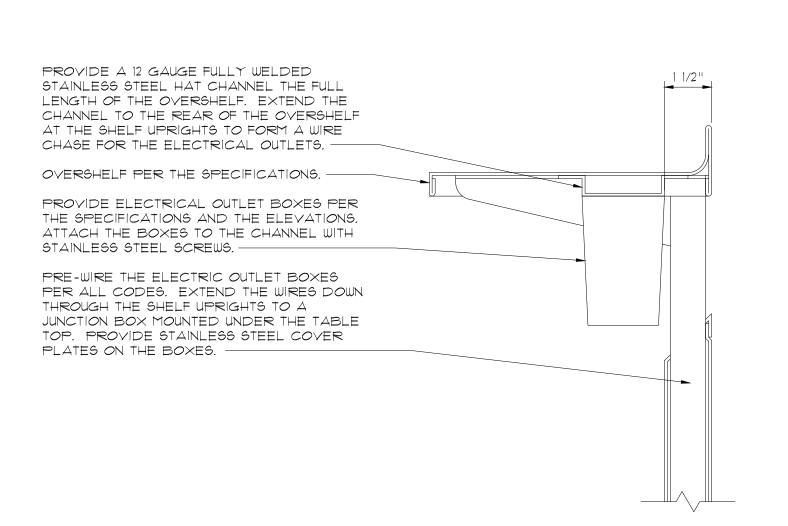
ELECTRICAL SYMBOLS

\Rightarrow	DR	DUPLEX RECEPTACLE
	R S	I PH. SINGLE PURPOSE RECEP.

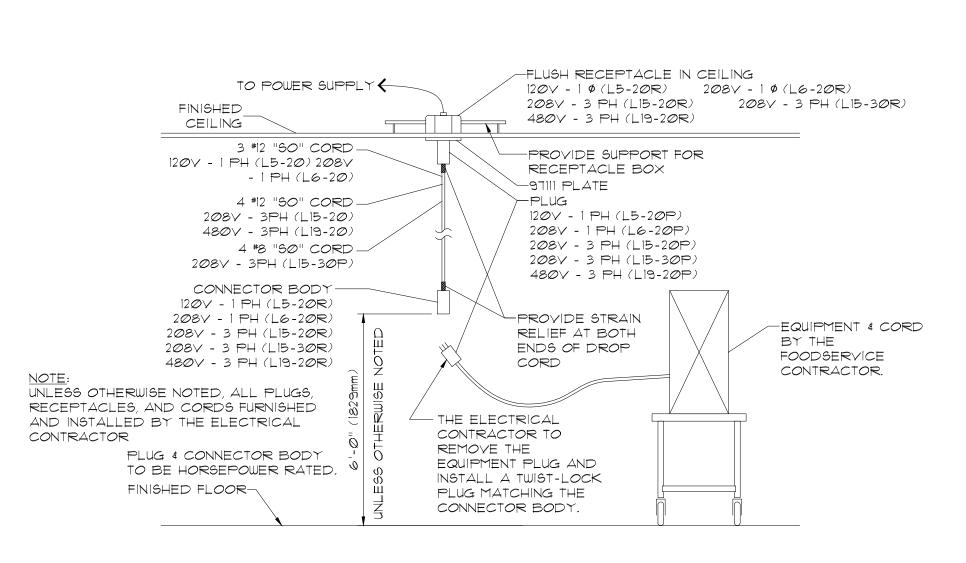
D JB JUNCTION BOX IN WALL

- DCR DROP CORD RECEPTACLE ● CS CONDUIT STUB UP/OUT
- FR | FLUSH FLOOR RECEPTACLE
- X O CSR CONDUIT STUB BTC AT RECEP-TACLE FURNISHED WITH EQUIP. BTC BRANCH TO CONNECTION
- AFF ABOVE FINISHED FLOOR DFA DROP FROM ABOVE

THE ELECTRICAL CONTRACTOR TO ROUGH-IN FROM THE FOODSERVICE CONTRACTORS ROUGH-IN DRAWINGS ONLY. THE ELECTRICAL CONTRACTOR WILL TAKE FULL RESPONSIBILITY FOR THE ROUGH-IN LOCATIONS IF THE FOODSERVICE AND/OR ELECTRICAL DRAWINGS ARE USED FOR THIS WORK.



DETAIL - ELECTRICAL BOXES AT THE OVERSHELVES MO SCALE



TYPICAL DETAIL DROP CORD RECEPTACLE NO SCALE

· 100% REVIEW

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CENTRAL

HIGH

SCHOOL

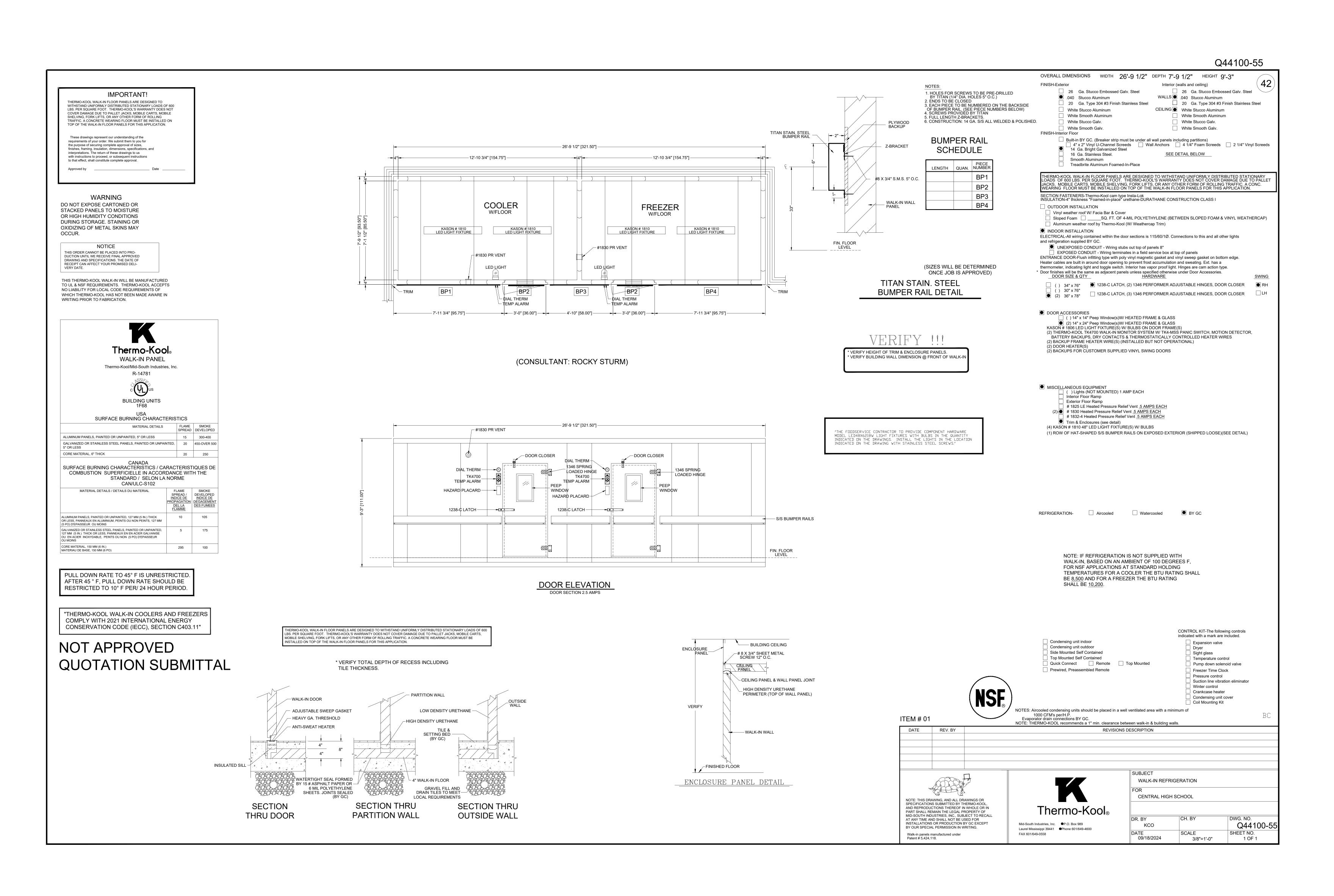
CAFETERIA

REMODEL

REV. DATE # DESCRIPTION

FOODSERVICE EQUIP. ELECTRICAL

CONNECTIONS PLAN





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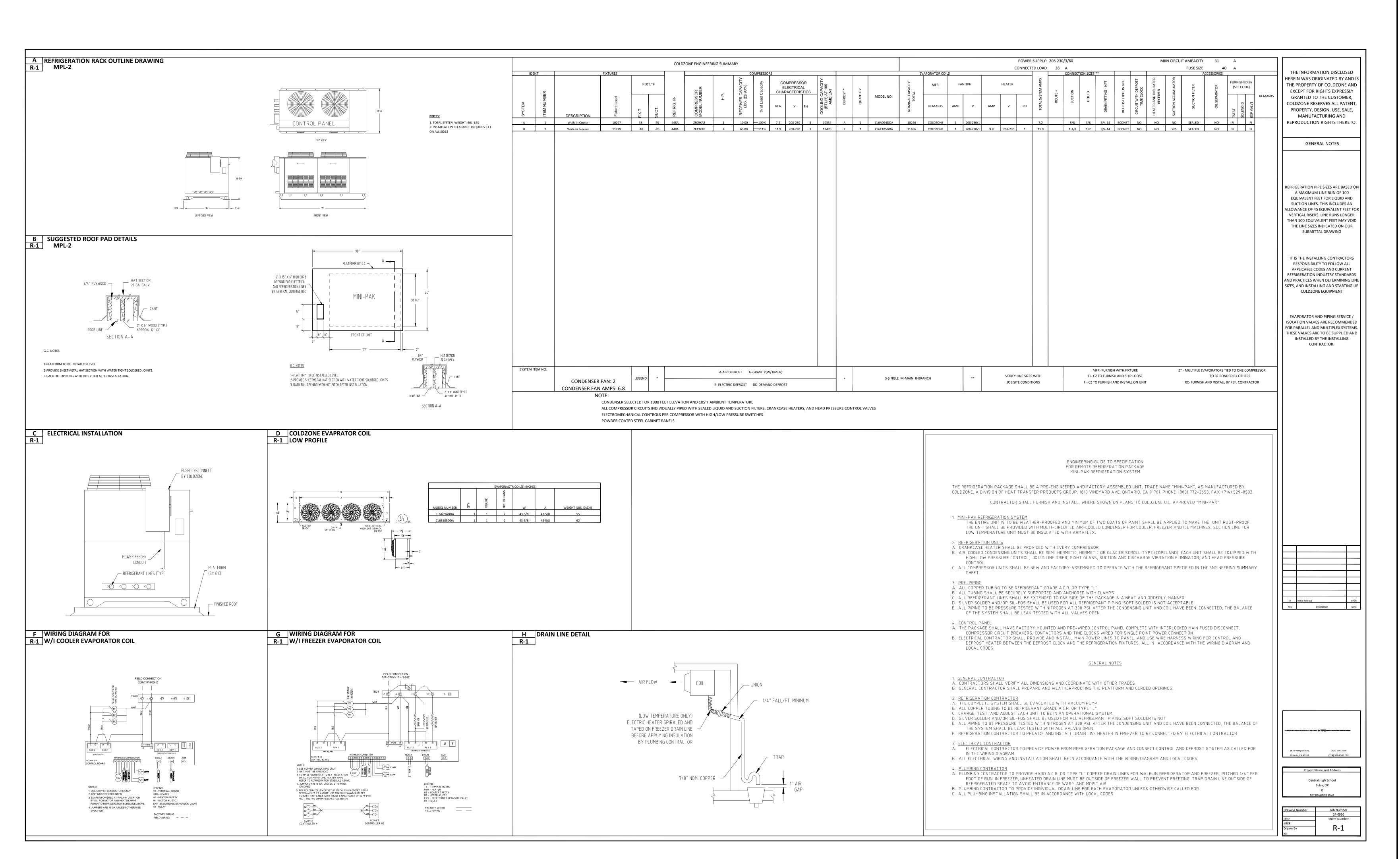
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FOODSERVICE EQUIP. WALK-IN PLAN





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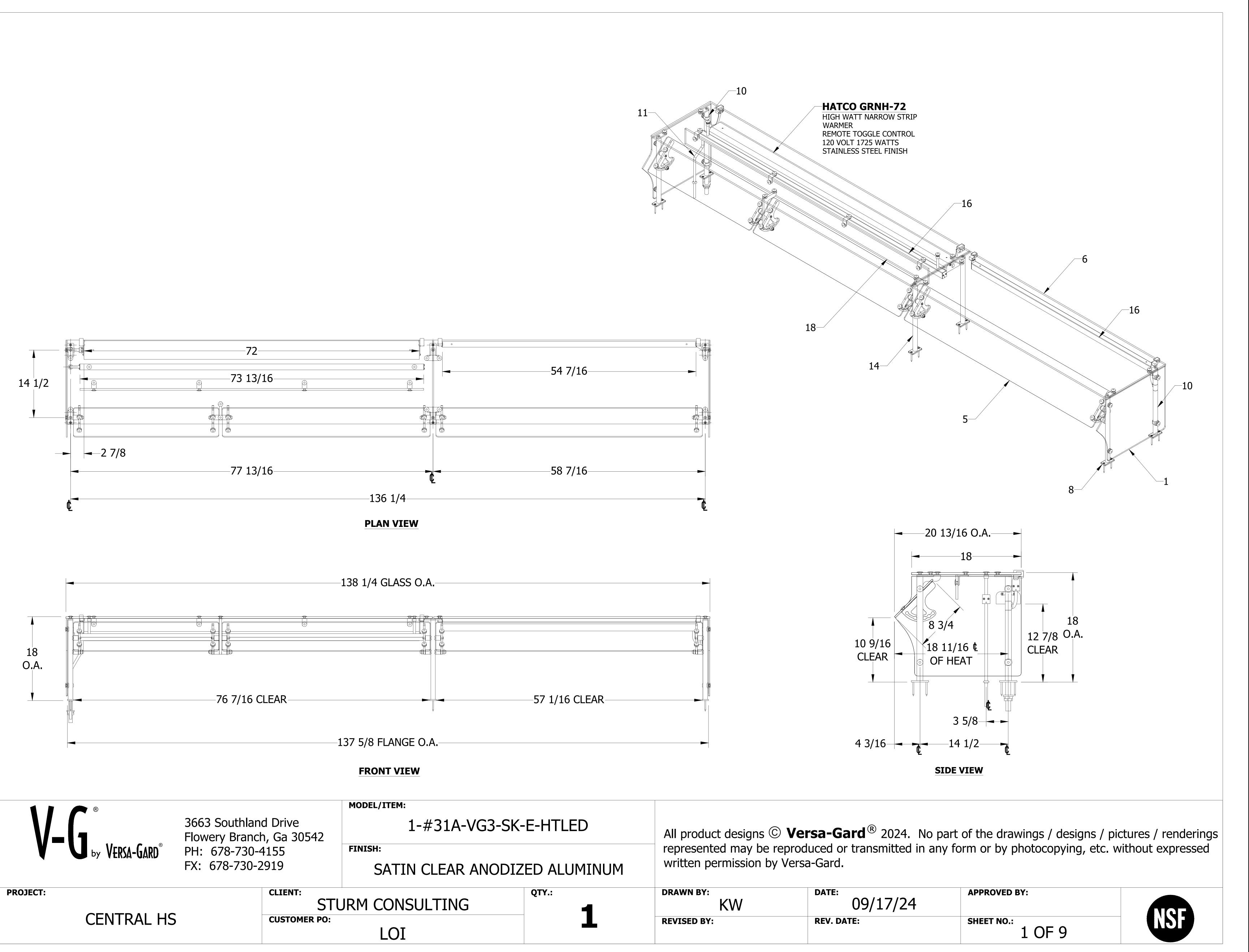
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V. DATE # DESCRIPTION

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FOODSERVICE EQUIP.
REFRIGERATION PLAN





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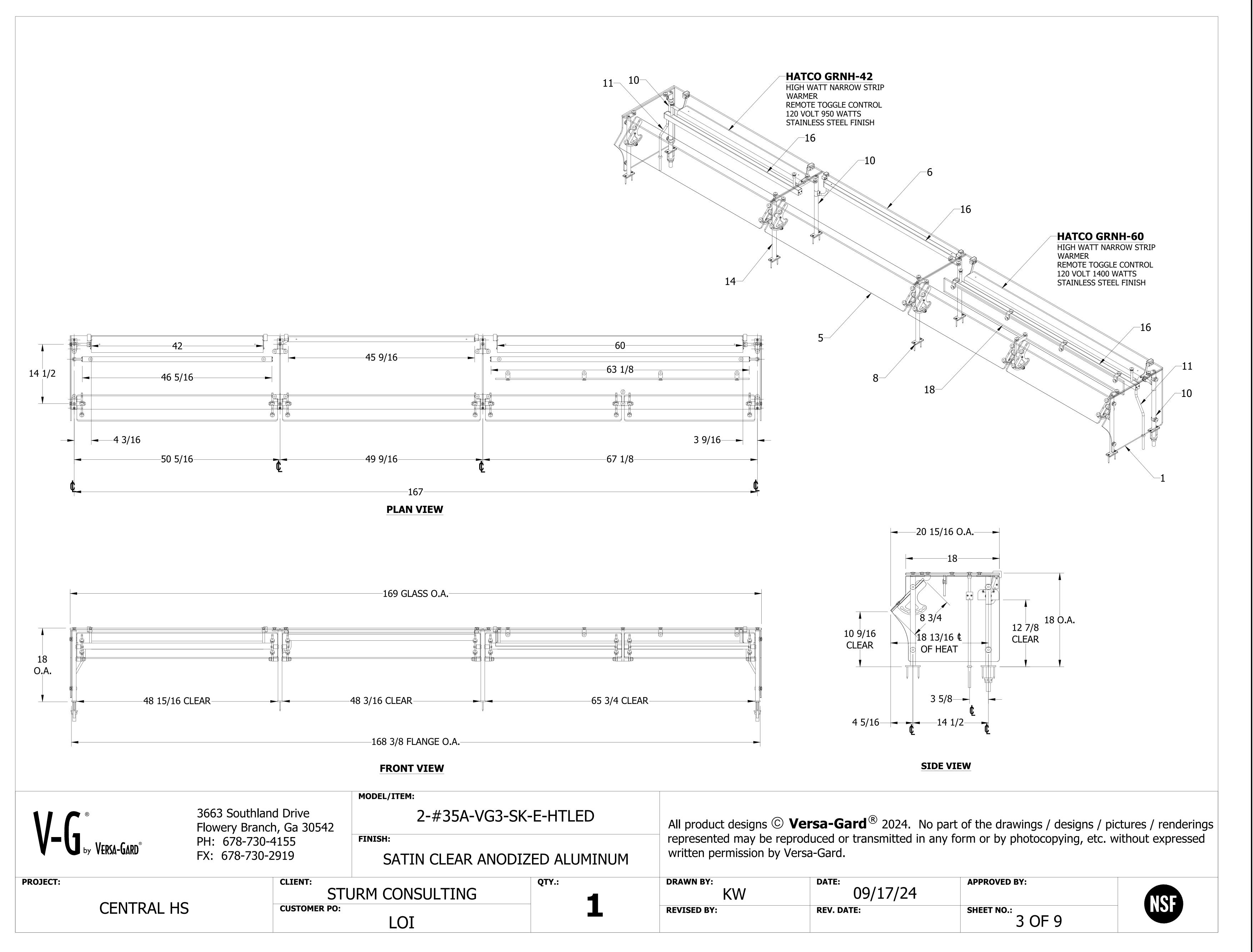
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FOODSERVICE EQUIP. SNEEZE GUARD PLAN





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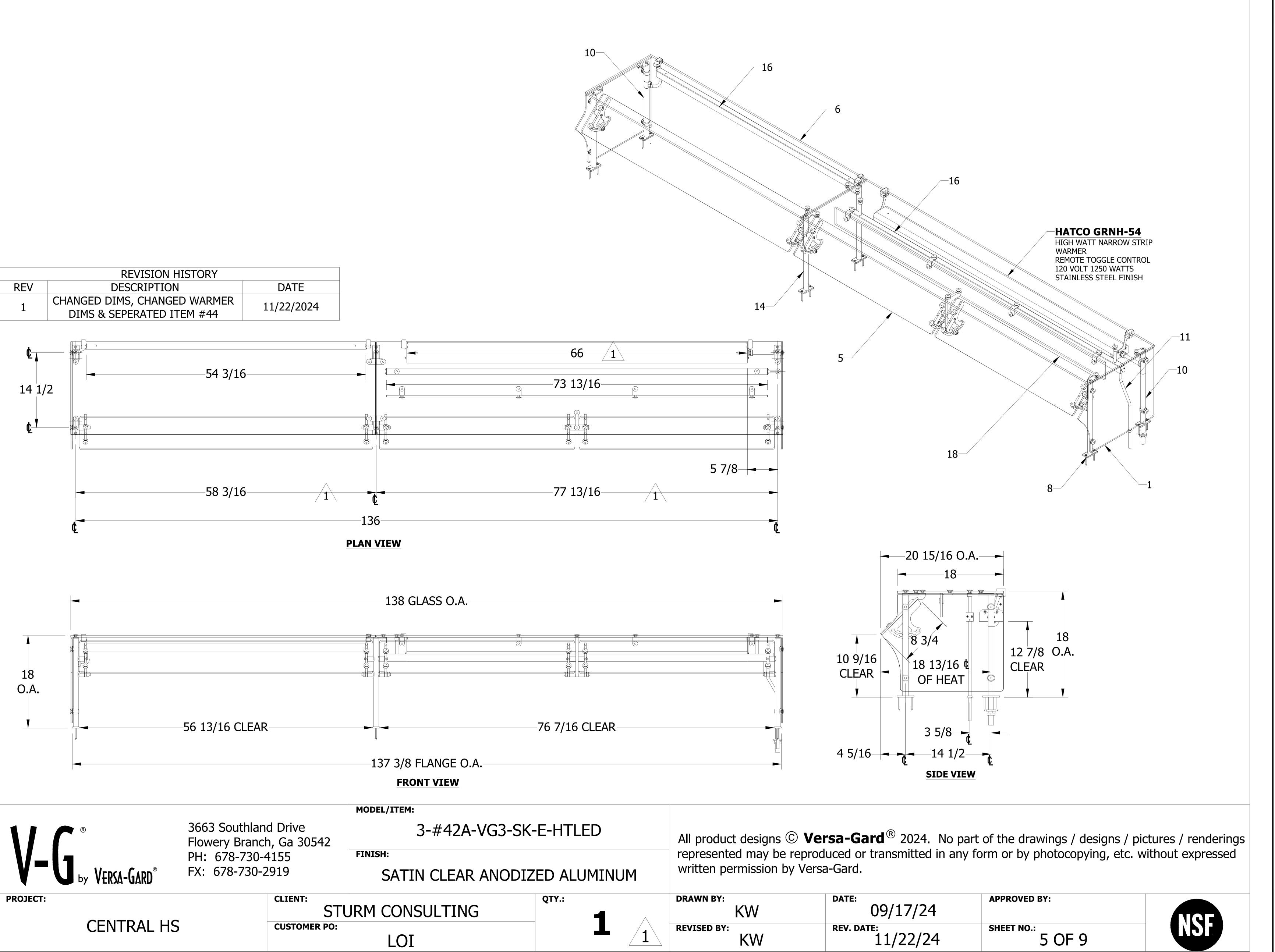
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FOODSERVICE EQUIP.

SNEEZE GUARD PLAN





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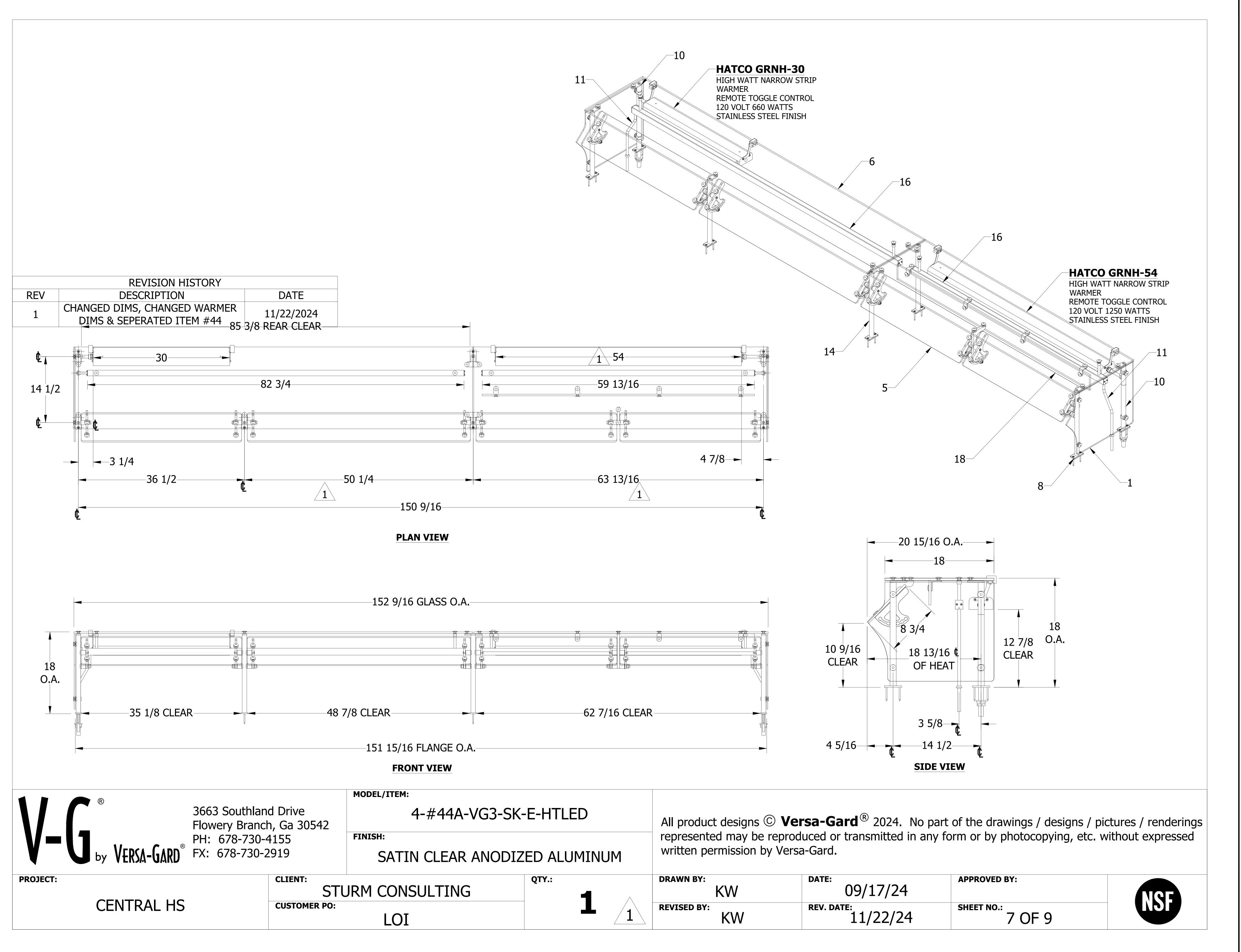
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FOODSERVICE EQUIP. SNEEZE GUARD PLAN





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FOODSERVICE EQUIP. SNEEZE GUARD PLAN

	General Plan	Symbol	s		HVAC Syr	mbols		Mechanical Pip	ing Symbols
	Plan Revision Nur	nber			24"x12"	Sq. Duct Size (Width x Height)		-2"	Nominal Pipe Size
	- Detail Number on	Sheet			24"/12"	Oval Duct Size (Width / Height)			Above Ground Piping Below Ground Piping
	Sheet Number Wi		is Placed		18"Ø	Round Duct Size (Diameter)	1.	/8" / 12" SLOPE 🚤	Pipe Slope (When Applicable)
	⟨1⟩ Keynote Symbol					, ,		(E)	Existing Pipe To Remain
	Continuation Sym	bol			(E)	Existing Duct To Remain		CHWR	Pipe To Be Demolished Chilled-Water Return
	Point Where New	Connects	To Existing			Duct To Be Demolished		CHWS——	Chilled-Water Supply
	Room		,		S/A	Supply Air		CD	Condensate Drain
	Room Name / Nu	nber			V/A	Ventilation Air		CWR	Condenser-Water Return
	Area Being Demo	ished			O/A	Outdoor Air		——CWS———	Condenser-Water Supply Geothermal-Water Return
	Area Not In Contr	act			R/A	Return Air		GWS	Geothermal-Water Supply
	· / · / · / ·							HWR———	Hot-Water Return
					T/A	Transfer Air		HWS——	Hot-Water Supply Natural Gas
					L/A	Building Relief Air		LP	Liquid Propane
					E/A	General Exhaust Air			Refrigerant Liquid
					KED	Kitchen Exhaust Duct		RS——	Refrigerant Gas
					LH	Laboratory Hood		——RD——————————————————————————————————	Refrigerant Discharge Steam Supply
	Abbreviat	ions				·		CDR-	Steam Condensate Return
D) (ROUND	LVR	LOUVER		ETS	Env. Tobacco Smoke	0	 ə	Pipe Rise / Drop
SV C	ABOVE AIR CONDITIONING	LWT M/A	LEAVING WATER TEMPERATURE MIXED AIR		=FLUE 	Flue Gas Vent			Valve Types
))D ==	AREA DRAIN ADDENDUM AROVE EINISHED ELOOR	MAX MBH	MAXIMUM ONE THOUSAND BTU PER HOUR		=C/A======	Combustion Air	ıФI—	——2" SHUTOFF	Ball Valve
F UE	ABOVE FINISHED FLOOR ANNUAL FUEL UTILIZATION EFFICIENCY ALTERNATE	MCF MD	ONE THOUSAND CUBIC FEET MOTORIZED DAMPER	$\boxtimes I$	i,×,	Rect. Supply Duct Rise / Drop	▷	,	Balancing Valve Butterfly Valve
II S RCH	ACCESS PANEL ARCHITECT/ARCHITECTURAL	MECH MFR MIN	MECHANICAL MANUFACTURER MINIMUM	ØT	(×)	Round Supply Duct Rise / Drop		——2 в г v ——2" СНЕСК	Check Valve
FF _W	BELOW FINISHED FLOOR BELOW	MISC MTR	MISCELLANEOUS MOTOR	П		Rect. Return Duct Rise / Drop	rs₌	2" CHECK	Alternate Check Valve
-vv ΓU ΓUH	BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR	MU/A NC	MAKE-UP/AIR NOISE CRITERIA			·	> ✓	3" CIRC	Circuit Setter
AP 3	CAPACITY CATCH BASIN	NC NIC	NORMALLY CLOSED NOT IN CONTRACT	ØI		Round Return Duct Rise / Drop	— — ——————————————————————————————————	2" GATE 2" GLOBE	Gate Valve Globe Valve
- -M -G	CUBIC FEET PER MINUTE CEILING	NO NO	NUMBER NORMALLY OPEN	M	ĵγ	Rect. Exhaust Duct Rise / Drop	⋈ —	2" LOCK	Locked Shield Valve
C N	CLEAN OUT COLD WATER	NTS O	NOT TO SCALE OXYGEN	ØI	10	Round Exhaust Duct Rise / Drop	6-	2" PRV	Pressure Reducing Valve
3	DEGREE DRY BULB	O/A ORD	OUTSIDE AIR OVERFLOW ROOF DRAIN			Grille, Register, Diffusers	> —	—2" QUICK	Quick Opening Valve
A V	DIAMETER DOWN	PD PIV	PRESSURE DROP POST INDICATOR VALVE	Ceiling Diffus	SD-4 500		⊢ √	—2" STRAIN	Fluid Strainer
N A	DISTILLED WATER EACH		PLUMBING PRESSURE			Neck Size / Module Size Catalog Throw Performance	<u>M</u> —	2" M-CNTRL	Elec. Control Valve
AT LEC	ENTERING AIR TEMPERATURE ELECTRICAL	PRV PSI	PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH	Round Diffus	er	−Throw Pattern −Max NC Rating	M	4" 3-WAY CNTRL	3-Way Elec. Valve
QUIP NC	EQUIPMENT ELECTRIC WATER COOLER		POUNDS PER SQUARE INCH GAUGE POWER	⊗-	SD9 100	-Airflow -Neck Size		1" GAS-CNTRL	Emergency Gas Shutoff
NT A	ENTERING WATER TEMPERATURE EXHAUST AIR EXISTING	R R/A RCP	DUCT RISER RETURN AIR RADIANT CEILING PANEL	_ (TYP. X 4	Type Count for Space	 	——1" PLUG	Plug Valve
KIST CO	DEGREES FAHRENHEIT FLOOR CLEAN OUT	RD REC	ROOF DRAIN RECESSED	Sidewall Reg	SG5 500 -	– Airflow – Nominal Duct Size		—1" GAS COCK	Gas Shutoff Cock
)))C	FLOOR DRAIN FIRE DEPARTMENT CONNECTION	RED RH	REDUCER RELATIVE HUMIDITY	<u>l</u>		- Nominal Duct Size - Mounting Elevation (Centerline)	<u> </u>	1" REG	Gas Regulator
	FLOOR FUEL OIL	RL/A RM	RELIEF AIR ROOM	Linear Diffus		- Airflow	V 7		Ü
OV OR	FUEL OIL VENT FUEL OIL RETURN	RPM RW	REVOLUTIONS PER MINUTE RAIN WATER		6"Ø/1s/48"L -	Neck Size/ Slot(s)/ Active Length			
DS PM	FUEL OIL SUPPLY FEET PER MINUTE	SF S/A	SQUARE FOOT SUPPLY AIR	Louvered Gril	RG11 800				
S T	FLOOR SINK FOOT/FEET	SAN SF	SANITARY SQUARE FOOT			-Nominal Duct Size -Mounting Elevation (Centerline)			
TR AL	FIN TUBE RADIATION GALLON	SD SM	SMOKE DAMPER SURFACE MOUNT	Ceiling Retur	n RG1 2000 	– Airflow			
F C	GAS-FIRED GENERAL CONTRACTOR	SP SP	STANDPIPE STATIC PRESSURE			- Neck Size / Module Size - Max NC Rating			
PM W	GALLONS PER MINUTE GREASE WASTE	STM T	STEAM THERMOSTAT	`		Mechanical Equipment			
3 5 TC	HOSE BIB HORSE POWER	TD TDR	TEMPERATURE DROP TRENCH DRAIN TEMPERATURE		RTU-1 ◀ 4.0 ton ◀	-Unit Identity -Nominal Cooling Capacity			
ΓG ΓR <i>N</i>	HEATING HEATER HOT WATER	TEMP TYP UG	TYPICAL UNDERGROUND	1 -	RTU-1				
YD	HYDRANT INDIRECT	VAC V	VACUUM VENT		72,000 Btu/h — 72 CFH —	−Heating Capacity −Gas Supply Input Rate			
V	INCH INVERT	VAV VENT	VARIABLE AIR VOLUME VENTILATION	\bigcirc	ET-1	Operating Weight			
3 3/HR	POUND POUNDS PER HOUR	VTR W	VENT THROUGH ROOF WASTE		379 ID -	Operating Weight		nical Devices	
AT O	LEAVING AIR TEMPERATURE LOW PRESSURE	WB	WET BULB WALL CLEAN OUT			-Design Airflow Rate	AHI TS	U-1 ─ Unit Identity Temperature Sensor	
G	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT		VAV 1-2 3.7 GPM -	- Design Water Flow	F-(TH	H) Temp/ Humidity Sens	sor
	Equipment Abb	reviatio	ons	- 17	AC-1	5	1 -€CC		
C	AIR CONDITIONING UNIT	ET	EXPANSION TANK	1		-Bottom of Equipment Height		'	
CCU HU	AIR COOLING CONDENSING UNIT AIR HANDLING UNIT	EWH FCU	ELECTRIC WATER HEATER FAN COIL UNIT	—	— (E)AHU-2) ⊸	Existing to Remain Equipment			
S	AIR SEPARATOR BOILER	FP GI	FIRE PUMP GREASE INTERCEPTOR CRAVITY POOF VENTIL ATOR	_			H) Humidistat	
H T	CHILLER COOLING TOWER CARINET UNIT HEATER	GRV HWP	GRAVITY ROOF VENTILATOR HEATING WATER PUMP		(R)AHU-3 →	Existing Relocated Equipment	I -HS	Humidity Sensor	
UH HWP BP	CABINET UNIT HEATER CHILLED WATER PUMP DOMESTIC WATER BOOSTER PUMP	HRU PRV RE	HEAT RECOVERY UNIT POWER ROOF VENTILATOR RETURN/EXHAUST FAN	() -		Equipment By Others	- C(O2 Carbon Dioxide Dete	ctor
ВР С ВР	DUCT MOUNTED COIL DOMESTIC WATER BOOSTER PUMP DUCT MOUNTED COIL DOMESTIC WATER CIRCULATING PUMP	RE RTU SP	ROOFTOP UNIT SUMP PUMP	\		(Refer To Other Disciplines)		O Carbon Monoxide De	tector
CP F DC	EXHAUST FAN ELECTRIC DUCT COIL	UH WH	UNIT HEATER WATER HEATER	<u> </u>		<u>Damper Types</u>			
		v V 1 1	LIXTILIX			-Manual Damper -Motorized Damper		2 Hydrogen Gas Detec	
				— (iii)		-Backdraft Damper	HZ	ZG Hazardous Gas Dete	ctor
	* NOTE	*		-9-		-Smoke Damper	NC	Nitrogen Dioxide Dete	ector

—Fire Damper

⊕®

Comb. Fire/

Smoke Damper

O2 Oxygen Gas Detector

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN

THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE

USED IN THIS SET OF DRAWINGS.

HVAC General Notes

- A CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE,
- AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.

 B ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS
- OF 2" W.G. UNLESS NOTED OTHERWISE.

 C COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES
- WITH NEW AND EXISTING LIGHTING.
 PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL FOLIPMENT
- PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT.
 COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
 THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER
- ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

 F PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY BLOW PATTERN UNLESS OTHERWISE
- G INSTALL, SUPPORT, AND BRACE ALL HVAC DUCTWORK AND ACCESSORIES PER "HVAC DUCT CONSTRUCTION STANDARDS" BY SMACNA, ANSI/SMACNA 006-2006.

 H MAINTAIN 10'-0" MINIMI IM SEPARATION BETWEEN OUTSIDE AIR INTAKES OR OTHER
- H MAINTAIN 10'-0" MINIMUM SEPARATION BETWEEN OUTSIDE AIR INTAKES OR OTHER OPENINGS
 INTO THE BUILDING AND PLUMBING VENTS AND EXHAUST OUTLETS.

EXCEPT AS OTHERWISE NOTED, DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL PER HVAC DUCT CONSTRUCTION STANDARDS BY SMACNA, ANSI/SMACNA 006-2006.

Mechanical Project Requirements

- A REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.
- B THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- D WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.

 E COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY,
- STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.

 F THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- G FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- H LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
 I ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- J LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS. TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.

 K PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.

 L MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH
- M ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
- N REFER TO PLUMBING SERIES DRAWINGS FOR CONDENSATE DRAIN PIPING.

 O PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW LINTIL ANOTHER
- O PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
 P FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE
- SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.

 Q INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP
- CONSISTENT WITH THE SPECIFICATIONS.

 R LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE
- APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.

 S INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT
- CEILINGS.

 THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY THE
- U PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT, PLUMBING FIXTURES, AND DIFFUSERS.
- V CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.

 W PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

HVAC SHEET INDEX

M001 MECHANICAL LEGEND & NOTES
M101 CAFETERIA - HVAC PLAN
M102 KITCHEN - HVAC PLAN



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CERTIFICATE OF AUTHORIZATION



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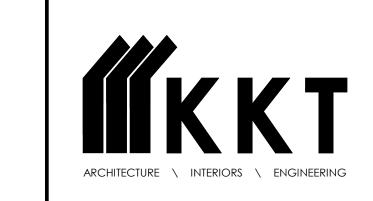


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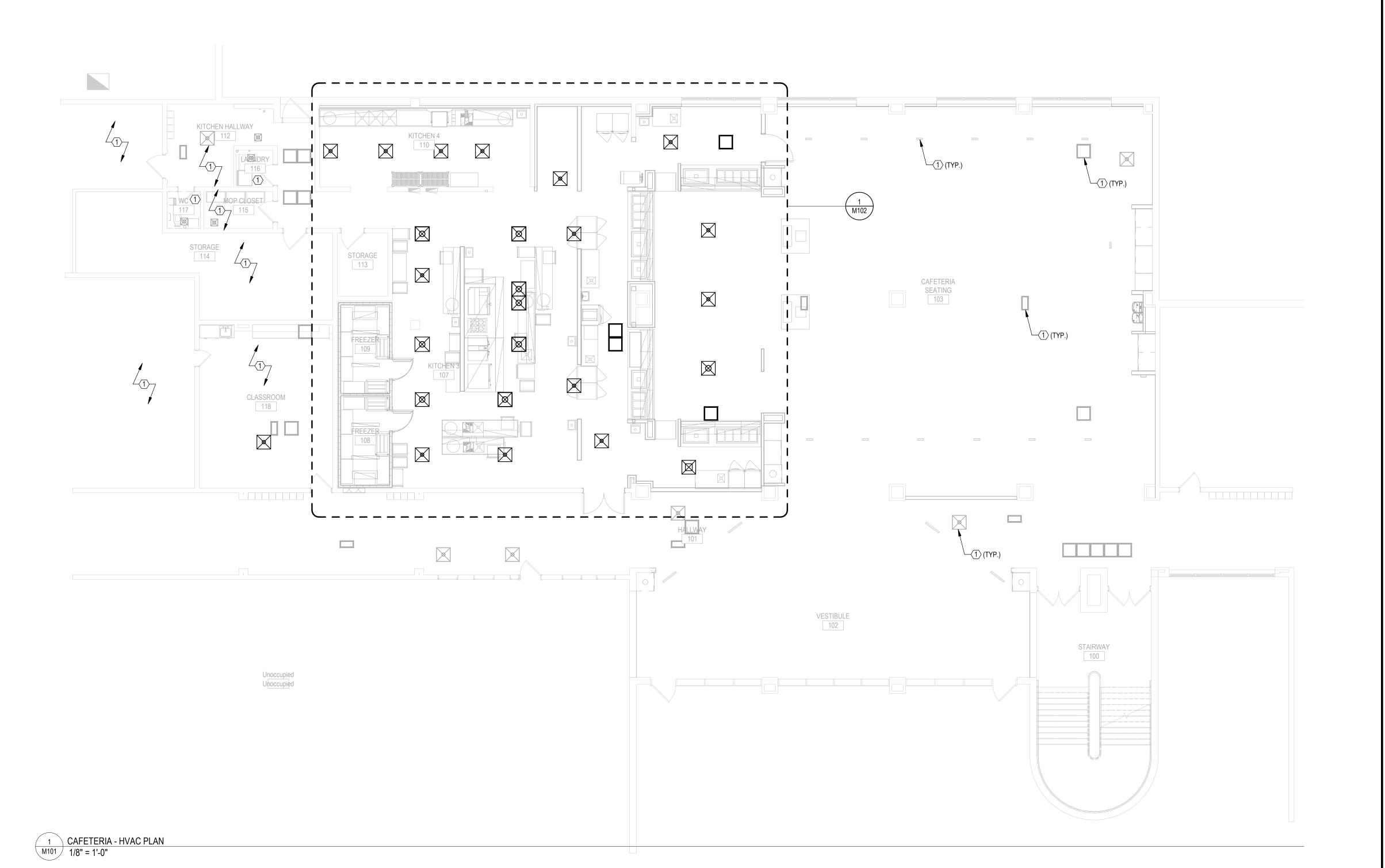
MECHANICAL LEGEND & NOTES

M001





CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**



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11.27.2024 •

CAFETERIA - HVAC PLAN

M101

				Gri	illes, Registers, D	iffusers				
ID Type	Description	Manufacturer	Model	Туре	Deflection Type	Blade Direction	Installation	Border Application	Face or Module Size	Notes
RG11	Louvered Grille	Titus	350FL	Louvered Return	Fixed Blade	Parallel to Long Dim	Ceiling	Lay-In Full Face	24x24	1
SD1	Perforated Diffuser	CaptiveAire	DI-PSP	Laminar	Perforated		Ceiling Installation	Lay-In Full Face		1
SD1	Perforated Diffuser	CaptiveAire	DI-PSP	Laminar	Perforated		Ceiling Installation	Lay-In Full Face	24x24	1
NOTES:	Ceiling Diffuser	Titus	TMS-AA	Square Cone	Fixed		Ceiling Installation	Lay-In Full Face	24x24	1

KEYED NOTES:

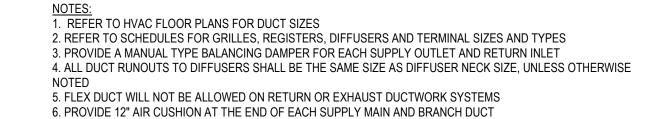
- 1. EXISTING DIFFUSER TO BE REPLACE WITH NEW IN NEW LOCATION. PATCH AND REPAIR EXISTING DUCT TAP AS
- REQUIRED. PROVIDE NEW DIFFUSER IN LOCATION INDICATED. PROVIDE NEW DIFFUSER AS SCHEDULED, MATCH EXISTING NECK SIZE
- 3. PROVIDE NEW DIFFUSER IN EXISTING LOCATION. PROVIDE NEW DIFFUSER AS SCHEDULED, MATCH EXISTING NECK SIZE AND AIRFLOW. EXTEND AND REPAIR EXISTING DUCTWORK AS

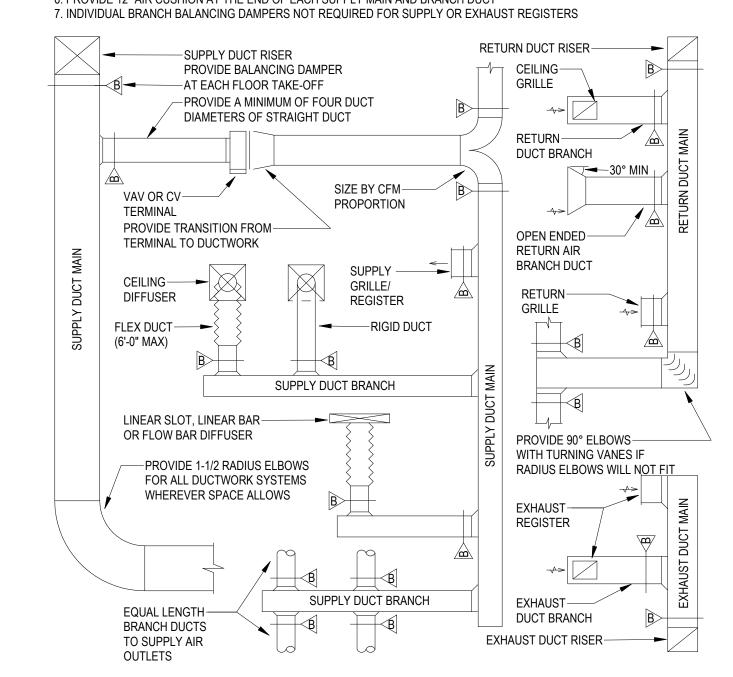
AND AIRFLOW. EXTEND AND REPAIR EXISTING DUCTWORK AS

- 4. EXISTING HOOD CONTROLS TO BE REPLACED WITH NEW AS REQUIRED. INSTALL CONTROLS AT 7'-0" AFF. COORDINATE WITH CAPTIVEAIRE REPRESENTATIVES FOR REQUIRED COMPONENTS FOR COMPLETE SYSTEM. PATCH AND REPAIR EXISTING CONTROLS OPENING AS REQUIRED TO MATCH THE EXISTING HOOD.
- 5. EXISTING KITCHEN HOOD TO BE RELOCATED IN ITS ENTIRETY, GC TO COORDINATE WITH THE MANUFACTURE AS REQUIRED TO ENSURE A FULLY WORKING AND OPERATIONAL SYSTEM AFTER RELOCATION. REFERENCE ARCHITECTURAL FOR EXACT LOCATION.
- EXISTING TO REMAIN.

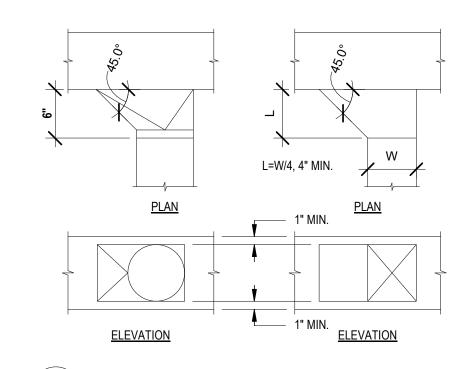
REQUIRED.

7. RELOCATE EXISTING THERMOSTAT TO NEW WALL.

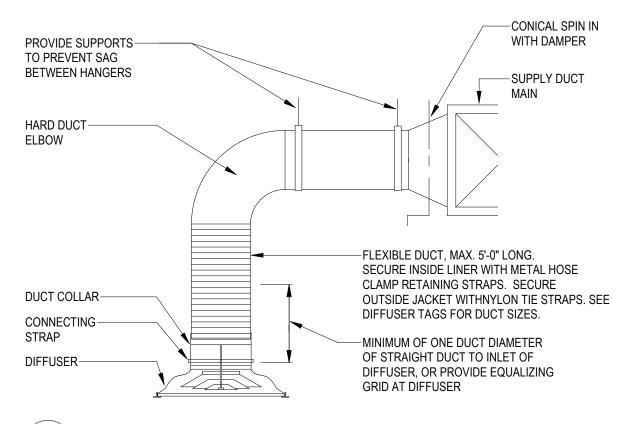


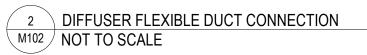


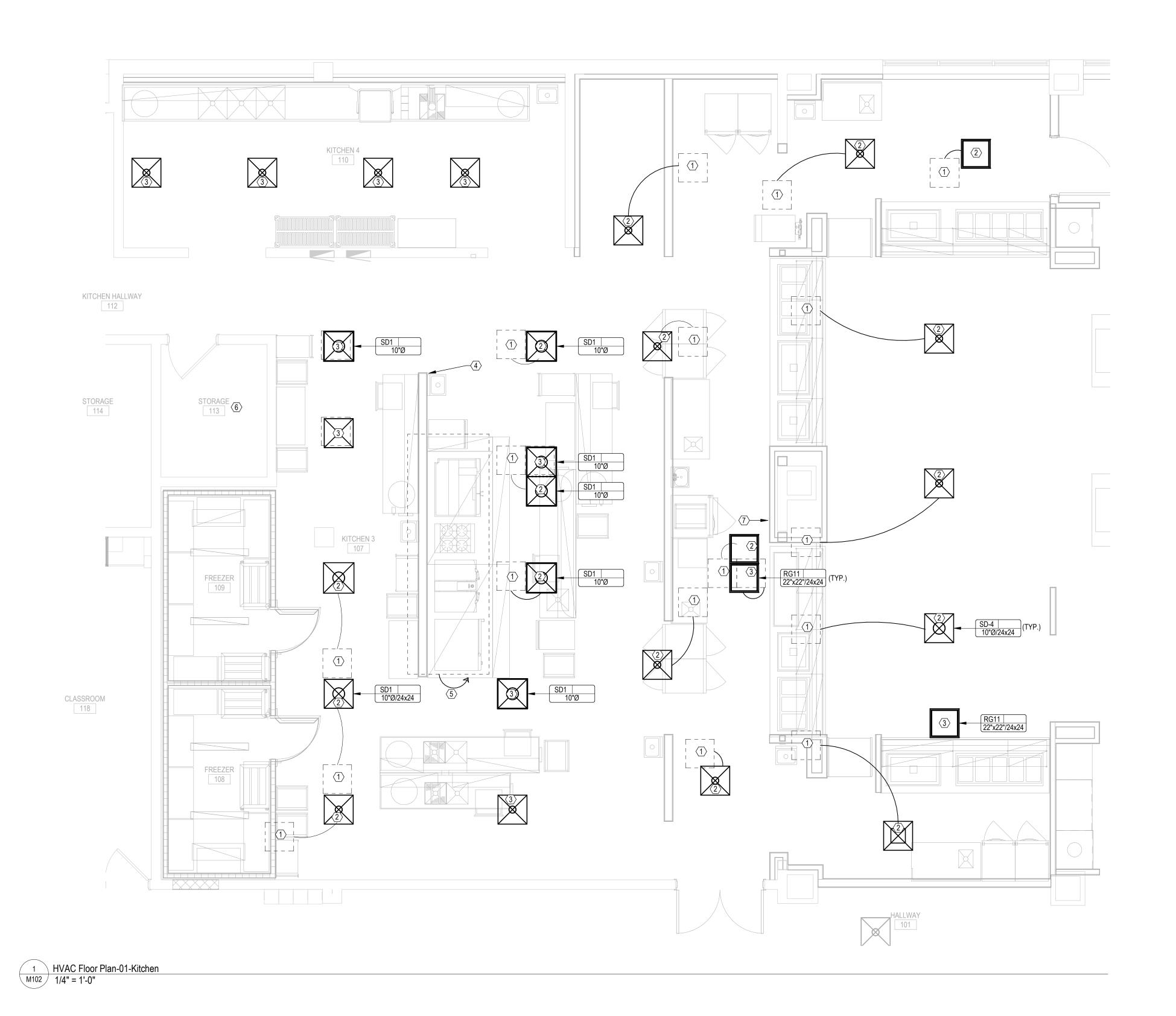
4 DUCTWORK INSTALLATION DIAGRAM NO SCALE



3 DUCT TAKE-OFF DETAIL NO SCALE









KKT ARCHITECTS, INC. 2200 SOUTH UTICA PLACE, SUITE 200

TULSA, OKLAHOMA 74114 [P] 918.744.4270 \ [F] 918.744.7849 W W W . K K T A R C H I T E C T S . C O M CERTIFICATE OF AUTHORIZATION



CENTRAL SCHOOL **CAFETERIA REMODEL**

A240040

3101 W. EDISION ST. TULSA, Ok 74127



REV. DATE # DESCRIPTION

11.27.2024

KITCHEN - HVAC PLAN

M102

		ELECT	RICAL SYMBOLS AND ABBREVIATIONS		
MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION
A	ABOVE COUNTER, REFER DETAIL 9/E-501	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	OCP	OVERCURRENT PROTECTION
AFF/AFG	ABOVE FINISHED FLOOR/GRADE	GND	GROUND	RCPT	RECEPTACLE
ALT	ALTERNATE	НОА	HAND OFF AUTOMATIC	SM	SURFACE MOUNTED
AMP	AMPERE	IN	INCHES	SPD	SURGE PROTECTION DEVICE
APPROX	APPROXIMATE	KW	KILOWATTS	SPEC	SPECIFICATION(S)
ARCH	ARCHITECT/ARCHITECTURAL	MCC	MOTOR CONTROL CENTER	SS	SAFETY SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL	TV	TELEVISION
C	CONDUIT	MECH	MECHANICAL	TYP	TYPICAL
CLG	CEILING	MTS	MANUAL TRANSFER SWITCH	UG	UNDERGROUND
DISC	DISCONNECT SWITCH	NC	NORMALLY CLOSED	UNO	UNLESS NOTED OTHERWISE
EC	ELECTRICAL CONTRACTOR	NEC	NATIONAL ELECTRIC CODE, NFPA 70	V	VOLTS
EXIST	EXISTING	NIC	NOT IN CONTRACT	W/	WITH
EP	EXPLOSION PROOF	NL	NIGHT LIGHT	W/O	WITHOUT
FT	FEET	NO	NORMALLY OPEN	WP	WEATHERPROOF (DEVICE AND WHILE-IN-USE ENCLOSURE)
GC	GENERAL CONTRACTOR	NTS	NOT TO SCALE	WR	WEATHER RESISTANT (DEVICE AND FLIP ENCLOSURE)
				XFMR	TRANSFORMER
				1/E2	DETAIL 1 ON SHEET E2
\Rightarrow	HALFTONE SYMBOL INDICATES EXISTING	\ominus	TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE	70 70	SURFACE MOUNTED RACEWAY WITH POWER/ DATA ASSEMBLIES
£=3=	DASHED SYMBOL INDICATES DEMOLITION	+	TAMPER RESISTANT NEMA 5-20R QUADPLEX RECEPTACLE, (2 DUPLEX RECEPTS IN A 2-GANG BOX)	▼	TELEPHONE OUTLET
	ELECTRICAL 480V PANELBOARD	⊕A	TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER	w 🔻	WALL TELEPHONE OUTLET
	ELECTRICAL 208V PANELBOARD	\ominus	TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE MOUNTED IN CEILING	∇	DATA OUTLET
#/#/#	DISCONNECT SWITCH FUSIBLE UNLESS OTHERWISE NOTED, NUMBERS INDICATE FRAME/FUSE//POLE	•	TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE	4	TELEDATA COMBINATION OUTLET
#/#/#	DISCONNECT SWITCH NON FUSIBLE UNLESS OTHERWISE NOTED, NUMBERS INDICATE FRAME, FUSE, POLE	⊕ w	WEATHER AND TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE OR SAME IN WEATHERPROOF ENCLOSURE	\forall	WIRELESS ACCESS POINT
	CONTACTOR/MAGNETIC MOTOR STARTER OR COMBINATION TYPE	⊖IG	NEMA 5-20R DUPLEX RECEPTACLE, ISOLATED GROUND TYPE	CR	CARD READER
M-	VFD W/ DISCONNECTING MEANS	₩IG	NEMA 5-20R ISOLATED GROUND QUADPLEX, RECEPTACLE, ORANGE COLOR	K	KEYPAD
FACP	FIRE ALARM CONTROL PANEL	+	TAMPER RESISTANT SPLIT DUPLEX, NEMA 5-20R DUPLEX RECEPTACLE MOUNTED AT 18" WITH TWO CIRCUITS.	40	CCTV CAMERA
FAAP	FIRE ALARM ANNUCIATOR PANEL	<u>—</u>	20A TAMPER RESISTANT DUPLEX RECEPTACLE (LEVITON T5825 OR EQUAL)		LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH, INVERTER, OR INTEGRAL 90 MINUTE BATTERY
NAC	SIGNAL POWER EXTENDER	<u></u>	TAMPER RESISTANT USB A/C TYPE RECEPTACLE (LEVITON T5833 OR EQUAL)	\$ ³	LIGHT SWITCH, SPST, 20A. NUMBER INDICATES DPST, 3-WAY, 4-WAY
GAP	GENERATOR ANNUCIATOR PANELBOARD	EWC	ELECTRIC WATER COOLER, NEMA 5-20R DUPLEX RECEPT. MOUNT PER MANUFACTURER'S REQUIREMENTS. PROVIDE GFCI BREAKER.	\$ ^b	LIGHT SWITCH, SPST, 20A. LETTER INDICATES CONTROL ZONE
\bigcirc	MOTOR OUTLET/CONNECTION - SEE SCHEDULE		SPECIAL OUTLET - SEE DEVICE SCHEDULE	\$ _P	LIGHT SWITCH, PILOT LIGHT "ON", 20A
\bigcirc	EQUIPMENT CONNECTION - SEE SCHEDULE		SPECIAL OUTLET - POKE THRU - SEE SCHEDULE	\$ _K	LIGHT SWITCH, KEY-OPERATED, 20A
XXXX	MECHANICAL EQUIPMENT TAG	F	FURNITURE FEED - FLOOR BOX - TRIM COLOR TBD	\$ _M	MANUAL MOTOR STARTER SWITCH W/ OVERLOAD
XXXX	OWNER EQUIPMENT TAG	FF	FURNITURE FEED - POKE THRU - TRIM COLOR TBD	\$ _V	VOLUME CONTROL
	RISER OR CONDUIT TURNED DOWN		FLOOR BOX - DUPLEX WITH METALLIC FLIP COVER	\$ _{WP}	WEATHER PROOF SWITCH
O	RISER OR CONDUIT TURNED UP		FLOOR BOX - QUAD WITH METALLIC FLIP COVER	LV	LOW VOLTAGE OVERRIDE SWITCH
	CAP ON PIPE	J	JUNCTION BOX (J-BOX OR JB)	M	OCCUPANCY SENSOR SWITCH- WALL MOUNTED
-	OPEN CONDUIT END	(R)	INFRARED PLUMBING MOTION SENSOR	D	WALLBOX DIMMER SWITCH
$\overline{}$	TEST PORT	P	POWER POLE	F	FAN SWITCH/CONTROLLER
A-1,3,5	HOMERUN WITH BRANCH CIRCUIT(S) AS INDICATED	PB	PULL BOX	(OS)	OCCUPANCY SENSOR - CEILING MOUNTED - SEE LIGHTING CONTROL SCHEDULE
A-1,3,5	PARTIAL HOMERUN WITH BRANCH CIRCUIT(S) AS INDICATED	HS S	SPEAKER (WALL OR CEILING MOUNTED)	OS	OCCUPANCY SENSOR - WALL MOUNTED - SEE LIGHTING CONTROL SCHEDULE
	EMERGENCY CIRCUIT	•	PUSH BUTTON	PC	OUTDOOR PHOTOELECTRIC CELL - SEE SENSOR SCHEDULE
/- ~	LOW VOLTAGE CIRCUIT	•	START STOP	(DS)	INDOOR DAYLIGHT SENSOR - SEE SENSOR SCHEDULE
	NORMAL CIRCUIT			-	
/ - \	UNDERGROUND CIRCUIT				

GENERAL ELECTRICAL REQUIREMENTS:

WORK, EXISTING PROPERTY, AND THE GENERAL PUBLIC.

- 1. ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE ADOPTED EDITIONS 20. COORDINATE CEILING MOUNTED FIXTURES, DEVICES, ETC., WITH MECHANICAL OF THE INTERNATIONAL BUILDING (IBC), ELECTRICAL (NEC), AND FIRE (IFC) CODES, NFPA 13, 70, 72, 90A, 101 AND ALL LOCAL AMENDMENTS AND REGULATIONS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE DRAWINGS AND SHALL BE PERFORMED WITH THE LATEST INDUSTRY ACCEPTED STANDARDS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND APPLICABLE CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE MORE STRINGENT OF THE TWO SHALL BE FOLLOWED, ALL WORK SHALL BE CONDUCTED IN A SAFE MANNER WITH ADEQUATE PROTECTION FOR THE NEW
- CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF EXISTING CONDITIONS, NEW WORK, PATCHING, ETC., REQUIRED BY THE PROJECT, AND TO BECOME FAMILIAR WITH THE WORK CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK INDICATED OR REQUIRED; FOR WORK PROVIDED DURING NON-STANDARD HOURS; FOR WORK REQUIRED TO MAINTAIN BUILDING SAFETY AND FUNCTION; FOR WORK TO PATCH/REPAIR BUILDING SYSTEMS AND FINISHES; OR ANY OTHER WORK RESULTING FROM REQUIRED NEW WORK, RECONNECTION, AND/OR DEMOLITION OPERATIONS.
- 3. THE WORK REQUIRED IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS. IT IS IMPRACTICAL TO INDICATE ALL REQUIRED MODIFICATIONS AND PATCHING IN EVERY DETAIL. IT IS THE INTENT OF THIS PROJECT TO EXTEND EXISTING SYSTEMS AND PROVIDE NEW SYSTEMS AS INDICATED, COMPLETE IN EVERY RESPECT WHETHER OR NOT SPECIFICALLY DETAILED. INFORMATION ON EXISTING UTILITIES, BUILDINGS, AND SITE LAYOUT HAS BEEN TAKEN FROM OWNER'S & CIVIL ENGINEER'S DRAWINGS AND LIMITED SITE SURVEYS, LOCATIONS, SIZES, QUANTITIES, ETC., ARE APPROXIMATE & ARE INDICATED TO ASSIST IN OUTLINING THE SCOPE OF THE WORK. CONTRACTOR ACKNOWLEDGES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED AND ARE ACCEPTABLE. VARIATIONS IN ACTUAL SITE CONDITIONS AND CONCEALED CONSTRUCTION SHALL BE BROUGHT TO OWNER'S ATTENTION FOR RESOLUTION PRIOR TO COMMENCING APPLICABLE WORK.
- PROTECT EXISTING CONSTRUCTION & COMPONENTS WHICH ARE TO REMAIN. REPAIR, TO PRE-DISTURBED CONDITION, ANY DAMAGE RESULTING FROM DEMOLITION OR NEW CONSTRUCTION OPERATIONS. CONCEALED CONDITIONS MAY EXIST THAT WILL REQUIRE MINOR REVISIONS IN ARRANGEMENT OF PIPING, VALVES, ATTACHMENTS, CONDUIT, ETC. EXISTING UTILITIES DAMAGED BY CONTRACTOR DURING NEW PIPING, CONDUIT OR EQUIPMENT INSTALLATION SHALL BE REPAIRED TO OWNER'S SATISFACTION.
- ELECTRICAL SYSTEM PENETRATIONS THROUGH NEW & EXISTING WALLS, FLOOR/CEILING, OR ROOF CONSTRUCTION SHALL BE THOROUGHLY FILLED WITH FIRE RESISTANT MATERIAL (STUFFING FIBRE-FLAX DURA BLANKET IN CAVITIES) AND SEALED WITH 3M BRAND FIRE BARRIER CAULK, CP25. ALL FIRE STOPPING SHALL BE EQUAL TO OR BETTER THAN ASSEMBLY PENETRATED. PENETRATION OF ALL FIRE BARRIERS SHALL NOT IMPAIR THE INTEGRITY OF THE BARRIER. ALL SLEEVED OPENINGS SHALL BE FINISHED IN SUCH A MANNER THAT MAINTAINS THE FIRE RESISTANCE.
- ELECTRICAL EQUIPMENT INSTALLATIONS SHALL BE IN FULL ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. ALL MATERIALS AND EQUIPMENT SHALL BE NEW 30. AND SHALL MEET CURRENT INDUSTRY STANDARDS. WHERE APPLICABLE, EQUIPMENT SHALL BEAR TESTING LABORATORY LABELS. TEST ALL EQUIPMENT FOR PROPER OPERATION. ALL NEW MATERIALS AND EQUIPMENT SHALL BE OF FIRST QUALITY AND FREE FROM DEFECTS.
- CONTRACTOR SHALL SUBMIT PRODUCT DATA OF ALL PROPOSED MATERIALS AND EQUIPMENT FOR APPROVAL.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL WIRING AND CONDUIT, AND OTHER SYSTEMS SPECIFIED AND REQUIRED IN THE PROJECT. CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES BETWEEN MECHANICAL AND ELECTRICAL EQUIPMENT. DUCTS, PIPES, OR EQUIPMENT SHALL NOT INTRUDE ON ELECTRICAL CLEARANCE SPACE AS DEFINED IN THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
- ALL NECESSARY PERMITS, LICENSES, CERTIFICATES, TESTS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR, INCLUDED IN THE PROJECT COST AND BID, WITHOUT ADDITIONAL COST TO THE OWNER OR ENGINEER.
- 10. THE CONTRACTOR SHALL UPDATE RECORD DRAWINGS DAILY. ANNOTATE "AS INSTALLED" CONDITIONS IN RED INK ON HARD COPIES, INDICATING ALL CHANGES FROM THE ORIGINAL DRAWINGS MADE DURING THE INSTALLATION OF THE WORK. AT COMPLETION OF THE PROJECT, THE RECORD DRAWINGS SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE.
- 11. THE CONTRACTOR SHALL PROVIDE A MINIMUM ONE YEAR WARRANTY ON ALL MATERIALS AND LABOR. UNLESS NOTED OTHERWISE.
- 12. CONDITIONS MAY OCCUR THAT WILL REQUIRE MINOR REVISIONS IN ARRANGEMENT OF DUCTWORK, ATTACHMENTS, CONDUIT, ETC., ON VARIOUS SYSTEMS, SUCH MODIFICATIONS ARE DEEMED A PART OF THIS CONTRACT, AND SHALL BE SUBMITTED FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.
- 13. ALL NEW WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (A.D.A.) AND ALL STATE REQUIREMENTS.
- 14. CONTRACTOR SHALL COORDINATE ALL CONNECTION REQUIREMENTS OF OWNER-FURNISHED EQUIPMENT & EQUIPMENT FURNISHED BY OTHERS. PROVIDE NECESSARY MATERIAL AND LABOR FOR A COMPLETE INSTALLATION.
- 15. ALL PATCHING AND PAINTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE PATCHING AND PAINTING AS A RESULT OF MECHANICAL AND ELECTRICAL ALTERATIONS, CHANGES, AND ADDITIONS. COORDINATE WITH ARCHITECT.
- 16. SPACE IS LIMITED IN PORTIONS OF THIS PROJECT AND CLOSE COORDINATION WILL BE REQUIRED. CONTRACTOR SHALL COORDINATE TRADES INVOLVED COORDINATION DURING INSTALLATION OF NEW DUCTWORK, ELECTRICAL, AND DEVICES AT AND ABOVE THE CEILING. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
- REFER TO ARCHITECTURAL, CIVIL, STRUCTURAL & LANDSCAPE DRAWINGS FOR ADDITIONAL REQUIREMENTS. SEE SEPARATE PROJECT MANUAL FOR GENERAL CONDITIONS AND SPECIFICATIONS, IF APPLICABLE. WHERE DISCREPANCIES OCCUR BETWEEN THESE DRAWINGS AND THE PROJECT MANUAL, THE LATTER SHALL BE FOLLOWED, COORDINATE WITH ENGINEER.
- 18. THE CONTRACTOR SHALL MODIFY, REMOVE AND/OR RELOCATE ALL MATERIALS AND ITEMS INDICATED ON THE DRAWINGS OR REQUIRED BY THE INSTALLATION OF NEW SYSTEMS/EQUIPMENT. ALL REMOVALS AND/OR DISMANTLING SHALL BE CONDUCTED IN A MANNER TO PRODUCE MAXIMUM SALVAGE. SALVAGE MATERIALS SHALL BE DISPOSED OF OFF-SITE, EXCEPT THAT THE OWNER RESERVES THE RIGHT TO SELECT AND RETAIN ANY DESIRED SALVAGE ITEMS. CONTRACTOR SHALL VERIFY WITH OWNER PRIOR TO REMOVING SALVAGED MATERIALS FROM SITE. MATERIALS AND/OR ITEMS SCHEDULED FOR RELOCATION AND WHICH ARE DAMAGED DURING DISMANTLING OR REASSEMBLING OPERATIONS SHALL BE REPAIRED AND RESTORED TO GOOD OPERATIVE CONDITION. THE CONTRACTOR MAY SUBSTITUTE NEW MATERIALS AND/OR ITEMS OF A LIKE DESIGN AND EQUAL QUALITY IN LIEU OF MATERIALS AND/OR ITEMS TO BE RELOCATED.
- CONCEAL ALL PIPING AND CONDUIT IN FINISHED AREAS UNLESS OTHERWISE NOTED. ALL PIPING, DEVICES, APPARATUS, EQUIPMENT, ETC., SHALL BE PROPERLY SUPPORTED AND BRACED VERTICALLY AND HORIZONTALLY IN ACCORDANCE WITH CODES AND AS REQUIRED TO PREVENT EXCESSIVE MOVEMENT.

- DRAWINGS AND ARCHITECT'S REFLECTED CEILING PLAN DRAWINGS FOR EXACT LOCATIONS OF FIXTURES.
- CONTRACTOR SHALL SEQUENCE WORK TO MINIMIZE DOWNTIME & OUTAGES. COORDINATE INTERRUPTION OF ANY UTILITY WITH OWNER. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL WIRING AND CONDUIT, AND OTHER SYSTEMS SPECIFIED AND REQUIRED IN THE BUILDING.
- 22. CORING SLAB PENETRATIONS FOR PIPING/CONDUIT AND DRILLING OF THE STRUCTURE FOR EQUIPMENT ANCHORAGE SHALL NOT BE PERFORMED WITHOUT THE PRIOR APPROVAL OF OWNER AND STRUCTURAL ENGINEER.
- ALL REQUIRED CUTS INTO EXISTING CONCRETE WALKS, CURBS, AND ALL PAVED AREAS SHALL BE NEATLY SAW CUT AND PATCHED TO MATCH EXISTING TO THE SATISFACTION OF
- 24. IN THE EVENT OF SUBSTITUTION OF EQUIPMENT, IT SHALL BE THE RESPONSIBILITY OF THE SUBSTITUTING CONTRACTORS TO COORDINATE ADDITIONAL REQUIREMENTS FOR THESE ALTERATIONS. THE SUBSTITUTING CONTRACTORS SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL EQUIPMENT, CONDUCTORS, BOXES, CONDUIT, ADJUST OVER-CURRENT PROTECTION DEVICES, PROVIDE ADDITIONAL OCPD, LABOR, ADJUST CONDUCTOR SIZES, ADJUST CONDUCTOR QUANTITIES, AND OTHER NECESSARY APPURTENANCES AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM PER THE MANUFACTURER'S RECOMMENDATIONS. INCLUDE ALL COSTS IN BASE BID.
- THESE DRAWINGS DIAGRAMMATICALLY INDICATE THE INTENT OF THE PROPOSED CONSTRUCTION. SLIGHT VARIATIONS IN TENANT'S FURNITURE AND SITE CONDITIONS MAY REQUIRE OUTLETS TO BE RELOCATED TO ACCOMMODATE THE ACTUAL FURNITURE AND/OR OUTLETS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL OUTLETS WITH OWNER'S REPRESENTATIVE, PERFORMING ADJUSTMENTS TO OUTLET LOCATIONS AS REQUIRED FOR A FINISHED AND FUNCTIONAL SYSTEM.
- COORDINATE MOUNTING LOCATIONS OF RECEPTACLES, CLOCKS, FIRE ALARM DEVICES, TELEPHONE OUTLETS, SPECIAL PURPOSE OUTLETS, DATA/COMMUNICATIONS OUTLETS, SECURITY DEVICES, ETC., WITH ARCHITECT'S DRAWINGS AND SITE CONDITIONS PRIOR TO
- COORDINATE CEILING MOUNTED WIRING DEVICES, FIRE ALARM DEVICES, ETC., WITH MECHANICAL DRAWINGS AND ARCHITECT'S REFLECTED CEILING PLANS.
- WHERE BACK-TO-BACK WALL MOUNTED DEVICES ARE INDICATED, SEPARATE ADJACENT OUTLET BOXES SHALL BE USED. THRU-WALL BOXES ARE NOT ACCEPTABLE FOR ANY
- 29. PROVIDE NEC REQUIRED SAFETY DISCONNECT SWITCHES ON ALL EQUIPMENT WHETHER SPECIFICALLY INDICATED OR NOT ON DRAWINGS.
- ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT. ALL LOW VOLTAGE WIRING SHALL USE PLENUM-RATED CABLE.
- WIRING DEVICES INDICATED OR FOUND TO BE EXISTING SHALL BE VERIFIED FOR PROPER OPERATION, SAFETY AND APPLICATION PRIOR TO REUSE.
- ALL NEW POWER AND LIGHTING CIRCUITS SHALL BE #12 COPPER MINIMUM, THHN, THWN OR THW, WITH GREEN WIRE GROUND AND SHALL BE CONNECTED TO A 20A BREAKER,
- ALL NEW CONCEALED CONDUITS SHALL BE 3/4" MINIMUM EMT WITH COMPRESSION TYPE FITTINGS. PROVIDE SHORT SECTIONS OF FLEXIBLE METAL CONDUIT WHERE REQUIRED.

INDIVIDUAL WIRING DEVICE CIRCUITS ONLY MAY UTILIZE 1/2" CONDUIT.

PROVIDE GALVANIZED RIGID CONDUIT IN EXPOSED LOCATIONS SUBJECT TO DAMAGE.

- 34. ALL CONDUCTORS ON ALL WIRING SYSTEMS SHALL BE COPPER.
- ALL POWER WIRING SYSTEMS SHALL CONTAIN A "GREEN WIRE" INSULATED GROUND CONDUCTOR WITHIN THE RACEWAY SIZED IN ACCORDANCE WITH NEC ARTICLE 250. IN NO CASE SHALL THE METALLIC RACEWAY ALONE BE USED AS A GROUNDING CONDUCTOR
- CONTRACTOR SHALL REMOVE ALL CONDUCTORS IN WALLS, ABOVE CEILINGS AND BELOW 63. FLOORS THAT WILL NO LONGER SERVE EQUIPMENT. REMOVE ALL UNUSED CONDUITS WHERE POSSIBLE.
- 37. ALL RACEWAYS SHALL BE SUPPORTED AND ATTACHED IN ACCORDANCE WITH THE NEC.
- PROVIDE A TYPED PANEL DIRECTORY FOR EACH NEW AND EXISTING PANEL AFFECTED BY THIS PROJECT, DIRECTORY SHALL IDENTIFY THE CIRCUIT NUMBER AND EQUIPMENT SERVED. PENCIL IN "SPARE" FOR UNUSED BRANCH OVER CURRENT DEVICES AND LEAVE "SPACES" BLANK FOR FUTURE USE.
- ALL DEVICE AND JUNCTION BOXES SHALL BE GALVANIZED STEEL OR CAST METAL TYPE.
- 40. CIRCUIT NUMBERS WHERE INDICATED ARE FOR REFERENCE AND MAY NOT COINCIDE WITH AVAILABLE OR FINAL CIRCUITS USED. CONTRACTOR SHALL NOTE ACTUAL CIRCUITS USED ON PANEL DIRECTORY CARDS AND RECORD DRAWINGS. UPDATE CIRCUIT DIRECTORY CARDS IN NEW AND PANELS AFFECTED BY THE WORK OF THIS PROJECT.
- 41. ON ALL NEW AND TELEPHONE AND DATA/COMMUNICATION DEVICE BOXES, CONTRACTOR SHALL PROVIDE EMPTY CONDUIT TO ABOVE CEILING AND INSTALL PULL STRING, UNLESS NOTED OTHERWISE.
- FLOOR POKE-THROUGHS SHALL BE FIRE RATED WITH FLUSH POKE THROUGH AND CONDUIT ADAPTER WHERE INDICATED ON DRAWINGS.
- 43. IF POWER FOR NEW CIRCUITS IS TO BE DERIVED FROM PANELBOARDS, RE-USE BREAKERS AND/OR PROVIDE NEW MATCHING BREAKERS AS REQUIRED FOR NEW
- 44. ALL POWER RECEPTACLE WIRING DEVICES SHALL BE RATED MINIMUM 20A AND SHALL BE
- COMMERCIAL GRADE, HEAVY DUTY, GROUNDING TYPE WITH GROUND SCREW FOR GROUND CONDUCTOR ATTACHMENT.
- 45. ELECTRICAL WIRING COLOR CODING SHALL BE IN ACCORDANCE WITH NEC AND ANY LOCAL AMENDMENTS.
- 46. PROVIDE MINIMUM 200 POUND TEST STRENGTH NYLON PULL CORDS IN ALL EMPTY CONDUIT SYSTEMS WITH LABELS ON CORDS INSIDE ALL JUNCTION BOXES.
- 47. ALL NEW WIRING DEVICES SHALL BE FLUSH MOUNTED WHEREVER POSSIBLE. MULTIPLE DEVICES SHALL BE MOUNTED IN GANGS WITH A COMMON GANG DEVICE PLATE. ALL DEVICES AND COVER PLATES SHALL MATCH WHERE APPLICABLE. COORDINATE WITH ARCHITECT FOR FINAL DEVICE AND FACEPLATE FINISHES.
- CONTRACTOR SHALL VERIFY CIRCUITRY IN CONDUITS TO ASSURE THAT ALL AREAS OUTSIDE PROJECT BOUNDARIES REMAIN IN SERVICE, WHERE APPLICABLE.
- ALL SWITCHES AND CONTROLS SHALL BE MOUNTED 46" TO TOP OF BOX, UNLESS NOTED OTHERWISE. ALL RECEPTACLES SHALL BE MOUNTED 18" AFF TO BOTTOM OF BOX, UNLESS NOTED OTHERWISE.

50. CONTRACTOR SHALL COORDINATE AS REQUIRED, ALL CONDUITS, ROUGH-INS, CONNECTIONS, ETC., FOR SECURITY, TELEPHONE, COMPUTER/DATA DEVICES AND

EQUIPMENT BY OWNER OR OTHERS.

- WHERE RELOCATED OR NEW LIGHTING FIXTURES ARE TO BE CONNECTED TO CIRCUITING OF ADJACENT FIXTURES, CONTRACTOR SHALL VERIFY EACH 20A CIRCUIT DOES NOT EXCEED 1800 VA (120V) OR 4400 VA (277V) OF LOAD UNLESS APPROVED BY ENGINEER. LIGHTING SHALL BE CONNECTED USING NEW AND/OR EXISTING WIRING/CONDUIT AS APPLICABLE, AND SHALL BE CONTROLLED IN SIMILAR ZONE SWITCHING ARRANGEMENT
- AS EXISTING FIXTURES. ALL LAMPING SHALL BE 4000K TEMPERATURE THRU-OUT, TYPICAL, UNLESS NOTED OTHERWISE. LAMPING COLOR SHALL BE REVIEWED AND APPROVED BY THE OWNER PRIOR TO PURCHASE OF LIGHTING FIXTURES. ADJUST FINAL COLOR TEMPERATURES AS
- 53. LIGHTING FIXTURE BALLASTS SHALL BE SUITABLE FOR CIRCUIT VOLTAGE TO WHICH CONNECTED, FIELD VERIFY.
- 54. COORDINATE MOUNTING LOCATIONS OF ALL LIGHT SWITCHES, EXIT SIGNS, ETC., WITH ARCHITECT'S DRAWINGS AND SITE CONDITIONS PRIOR TO ROUGH-IN.
- FIXTURES AND SWITCHES FOUND TO BE EXISTING AND NOT INDICATED TO BE RE-USED AS INSTALLED SHALL BE REMOVED WITH CEILING/WALL PATCHED AND PAINTED OR

BLANK COVER PLATE PROVIDED AS REQUIRED, CONFIRM.

- 56. FIRE ALARM CONTRACTOR SHALL CAREFULLY DETERMINE IF A FIRE ALARM SYSTEM IS REQUIRED. FIRE ALARM CONTRACTOR SHALL TAKE INTO ACCOUNT IF A SPRINKLER SYSTEM IS TO BE PROVIDED, OCCUPANCY TYPE AND QUANTITY OF OCCUPANTS PER THE ARCHITECTURAL DRAWINGS, PROXIMITY TO THE FIRE HYDRANTS, QUANTITY OF FLOORS, EXISTING CONDITIONS. AND LOCAL AND NATIONAL CODES THAT WOULD REQUIRE A FIRE ALARM SYSTEM UNDER ANY OTHER CONDITIONS. IF A FIRE ALARM SYSTEM IS REQUIRED, THE FIRE ALARM SYSTEM SHALL BE A DESIGN BUILD SYSTEM. FIRE ALARM DESIGN SHALL BE BY THE CONTRACTOR AND APPROVED BY THE STATE FIRE MARSHAL AND LOCAL AUTHORITIES HAVING JURISDICTION. SHOP DRAWINGS OF FINAL APPROVED FIRE ALARM DESIGN SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN AND PURCHASING OF ANY EQUIPMENT AND DEVICES. CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE AND OPERATIONAL SYSTEM. IF IT IS DETERMINED THAT A FIRE ALARM SYSTEM IS REQUIRED AFTER THE BID, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A CODE COMPLIANT SYSTEM AT NO ADDITIONAL COST TO THE
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS, QUANTITIES, AND ELECTRICAL CONNECTION REQUIREMENTS OF EQUIPMENT. REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS SCHEDULE FOR MECHANICAL AND PLUMBING

PANEL AND CIRCUITS.

- EQUIPMENT POWER REQUIREMENTS AND CIRCUITING. PROVIDE AND INSTALL WHITE LABELS WITH BLACK LETTERING FOR IDENTIFICATION OF
- PRIOR TO ROUGH-IN OF ANY DEVICES, COORDINATE WITH ARCHITECT MILLWORK ELEVATION DRAWINGS FOR EXACT LOCATIONS.
- SUBMITTAL PROCESS AND SUBSTITUTIONS ENGINEER WILL ONLY REVIEW QUANTITY (1) ONE SUBSTITUTE SUBMITTAL PACKAGE. IF THE SUBMITTED SUBSTITUTED PACKAGE DOES NOT MEET OR EXCEED THE SPECIFIED PACKAGE IN QUALITY AND PERFORMANCE, THE SPECIFIED PACKAGE (IN ENTIRETY) SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. PRIOR APPROVAL SUBMITTALS ARE NOT REQUIRED FOR BIDDING PURPOSES. LIGHT FIXTURE PACKAGES SHALL BE PROVIDED BY SUPPLIERS WITHIN THE STATE IN WHICH THE PROJECT IS CONSTRUCTED. NO OUT OF STATE SUPPLIERS LIGHTING PACKAGES WILL BE ACCEPTED.
- KITCHEN EQUIPMENT, FUELING EQUIPMENT, AND GAS VALVES SHALL BE PROVIDED WITH SHUNT-TRIP BREAKERS AND EMERGENCY POWER OFF SWITCHES AS REQUIRED. E.C. SHALL COORDINATE ADDITIONAL REQUIRED SPACES IN PANELS WITH PANEL MANUFACTURER PRIOR TO ORDERING EQUIPMENT, INCLUDE ALL COSTS IN BASE BID.
- 62. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING TEMPORARY SERVICE FOR CONSTRUCTION, E.C. SHALL ENDURE ALL ASSOCIATED COSTS.
- ELECTRICAL CONTRACTOR SHALL CONTACT THE ELECTRICAL UTILITY PROVIDER TO DETERMINE FINAL UTILITY REQUIREMENTS, LOCATIONS, AND SIZES PRIOR TO ROUGH-IN AND PURCHASE OF EQUIPMENT. E.C. SHALL ADJUST ALL EQUIPMENT, CONDUCTORS, CONDUIT, AND OTHER ASSOCIATED APPURTENANCES AS REQUIRED TO ACCOMMODATE THE ELECTRICAL UTILITY PROVIDER AS REQUIRED. E.C. SHALL INCLUDE ALL ASSOCIATED COSTS IN BASE BID.
- 64. LIGHTING FIXTURES SHOWN ON THE DRAWINGS ARE DIAGRAMMATICAL AND ARE NOT INTENDED FOR EXACT PLACEMENT. FINAL LIGHTING FIXTURE LOCATIONS (INTERIOR AND EXTERIOR) SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER FOR FINAL FINISH, LOCATION, LAMP COLOR, ETC. PRIOR TO ROUGH-IN AND PURCHASE OF EQUIPMENT.
- PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 3.5" THICK AND REINFORCED WITH #3 BARS AT 12" ON-CENTER EACH WAY, 1-1/2" CLEAR COVER FROM THE TOP OF THE SLAB, 3/4" CHAMFER ON TOP EDGES, EXTEND PAD 4" BEYOND EQUIPMENT FOOTPRINT.

A240040

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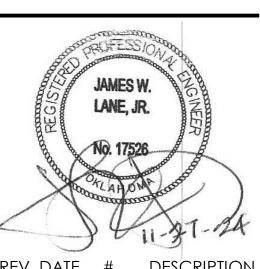
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CENTRAL

SCHOOL

CAFETERIA

CEC PROJECT 240657



11.27.24

LOW VOLTAGE SCOPE

- CONTRACTOR SHALL CLARIFY ANY LOW VOLTAGE SCOPE QUESTIONS DURING THE BIDDING PHASE. PLENUM RATED CABLE SHALL BE SUPPORTED BY DEDICATED J-HOOKS ABOVE ACCESSIBLE CEILING UON. ROUTE CABLE IN CONDUIT WHEN CABLE IS INACCESSIBLE (HARD CEILING) OR EXPOSED (NO CEILING).
- DATA / PHONE, SECURITY, ACCESS CONTROL, AUDIO / VIDEO 1. CONTRACTOR TO PROVIDE INFRASTRUCTURE (RACEWAY, LINE VOLTAGE POWER) AS REQUIRED FOR A COMPLETE SYSTEM.

INDICATED DEVICES, LOCATIONS, AND INFORMATION ARE PROVIDED FOR BIDDING

- PURPOSES ONLY. COORDINATE FINAL REQUIREMENTS WITH PROVIDING VENDOR / CONTRACTOR PRIOR TO ROUGH-IN. CONTRACTOR TO PROVIDE TELECOM CABLING AND INSTALLATION, INCLUIDING JACKS, FINAL TERMINATIONS AND TESTING. CONFORM TO TULSA PUBLIC SCHOOLS PREMISE CABLING SPECIFICATION SECTION 271500. IF NEEDED, OWNER TO PROVIDE CABLING, RACK AND ACTIVE EQUIPMENT UNDER
- SEPARATE CONTRACT. INTERCOM, CLOCK, AND WIRELESS ACCESS POINTS . CONTRACTOR TO REMOVE AND REPLACE SYSTEMS PER TULSA PUBLIC SCHOOLS PREMISE CABLING SPECIFICATIONS. SEE SPECIFICATION SECTION 271500.

RENUMBER DEVICE SCHEDULE BASED ON NEW ROOM NUMBERS.

FIRE STATION ALERTING SYSTEM EXISTING FIRE ALARM PANEL/SYSTEM CAN BE MODIFIED TO SERVE THIS SCOPE OF WORK. OWNER WILL PROVIDE ALL REQUIRED FIRE ALARM MODIFICATIONS, INCLUDING ROUGH-IN, THROUGH SEPERATE CONTRACT.

ELECTRICAL COVER

Branch Panel: (E)KP-1		
Location: KITCHEN 3 107	Volts: 208Y/120	A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Supply From: (E) MSBWD	Phases: 3	Mains Type: MLO
Mounting: RECESSED	Wires: 4	Bus Amps: 100
Enclosure: NEMA1	Lugs: Standard	
Notes:		
EXISTING PANEL TO REMAIN. VERIFY PANEL RATING F	PRIOR TO ORDERING NEW CIRCUIT BREAKERS.	

CK T	Circuit Description	Trip	Poles A B			C	Poles	Trip	Circuit Description	CF T			
1	(NCB)(GFCI)R - MICROWAVE	20 A	1	800	800					1	20 A	(NCB)(GFCI)R - MICROWAVE	2
3	(NCB)(GFCI)R - MICROWAVE	20 A	1			800	800			1	20 A	(NCB)(GFCI)R - MICROWAVE	4
5	(NCB)(GFCI)R - MICROWAVE	20 A	1					800	800	1	20 A	(NCB)(GFCI)R - MICROWAVE	6
7	(NCB)(GFCI) KITCHEN HOOD	20 A	1	1000	1440					1	20 A	(NCB)(GFCI) CONVECTION OVEN	8
9	(NCB)(GFCI) EMS SYSTEM	20 A	1			180	750			2	20 Δ	(NCB)(GFCI) HOT CABINET	10
11	(NCB)(GFCI) RANGE	20 A	1					680	750		20 /	(NOD)(OI OI) NOT CADINET	12
13	(NCB)(GFCI) COMBI-OVEN	20 A	2	900	3333								14
15	(NOD)(Cl Cl) COMBI CVEIV	2071				900	3333			3	40 A	(NCB)(GFCI)REFRIGERATION SYSTEM	16
17								7667	3333				18
19	(NCB) INVARIO P2-S	70 A	3	7667	2400							(NCD)/CECI/MEVICAN SEDVING	20
21						7667	2400			3	30 A	(NCB)(GFCI)MEXICAN SERVING COUNTER	22
23								4667	2400				24
25	(NCB)(GFCI) P - DISHWASHER	50 A	3	4667	2210								26
27						4667	2210			3	30 A	(NCB)(GFCI)GRILL SERVING COUNTER	28
29	(NCB)(GFCI) P - WATER TEMPERING KIT	20 A	1					480	2210				30
31				2690	750					2	20 A	(NCB)(GFCI)HOT CABINET	32
33	(NCB)(GFCI) PIZZA SERVING COUNTER	30 A	3			2690	750			_	2071	(1102)(01 01)(101 01 01	34
35								2690	750	2	20 A	(NCB)(GFCI)HOT CABINET	36
37	(NCB)(GFCI) ADVENTURE SERVING			2210	750					_	2071	(1102)(01 01)(101 01 01	38
39	COUNTER	30 A	3			2210	750			2	20 Δ	(NCB)(GFCI) HOT CABINET	40
41	000111211							2210	750		20 7	(NOD)(OF CI) FIOT CABINET	42
		Tota	al Load:	3161	7 VA	3010	7 VA	3018	7 VA				
		Tota	I Amps:	26	4 A	25	1 A	25	2 A				

	Total Amps:	264 A	251 A	252 A		
Legend:		,				
(GFCI) - Ground Fault Circuit Interrup Breaker, (LOCK ON/OFF) - Permane						
Load Classification	Connected L	_oad D	emand Factor	Estimated Demand	Panel	Totals
NON-MOTOR LOAD	10480 V	Α	100%	10480 VA		
Kitchen	81070 VA	Α	85.2%	69075 VA	Total Conn. Load:	91910 VA
Power	360 VA		100%	360 VA	Total Est. Demand:	79915 VA
					Total Conn.:	255 A
					Total Est. Demand:	222 A

	Branch Panel: (E)K	D_2											
	Location: KITCHEN					Volts	208Y/12	'n			ΔΙ	.C. Rating: 10,000 AMPS SYMMETRICA	I
	Supply From: (E) MSBV					Phases:		.0				ains Type: MLO	_
	Mounting: RECESS					Wires:	4					Bus Amps: 200	
	Enclosure: NEMA1					Lugs:	Standar	d				·	
EXI	STING PANEL TO REMAIN. VERIFY PANE	EL RATI	NG PRIC	R TO O	RDERIN	G NEW	CIRCUIT	BRFAKI	-RS				
CK T	Circuit Description	Trip	Poles		4	ı	В		<u> </u>	Poles	Trip	Circuit Description	CK T
CK T		Trip 20 A	Poles	1000	A	I	B			Poles	•	Circuit Description (NCB)(GFCI)R - GENERAL KITCHEN	CK T 2
CK T 1	Circuit Description		Poles 1 1			500	B 1180			Poles 1 1	20 A	-	Т
T 1	Circuit Description (NCB)(GFCI)R - GENERAL KITCHEN	20 A	Poles							Poles	20 A 20 A	(NCB)(GFCI)R - GENERAL KITCHEN	T 2

CK T	Circuit Description	Trip	Poles	,	A	E	3		3	Poles	Trip	Circuit Description	CK T
1	(NCB)(GFCI)R - GENERAL KITCHEN	20 A	1	1000	1180					1	20 A	(NCB)(GFCI)R - GENERAL KITCHEN	2
3	(NCB)(GFCI)R - GENERAL KITCHEN	20 A	1			500	1180			1	20 A	(NCB)(GFCI)R - GENERAL KITCHEN	4
5	(NCB)(GFCI)R - GENERAL CAF	20 A	1					720	1000	1	20 A	(NCB)(GFCI)R - GENERAL KITCHEN	6
7	(NCB)(GFCI)R - GENERAL KITCHEN	20 A	1	1000	1080					1	20 A	(NCB)(GFCI)R - GENERAL CAF	8
9	(NCB)(GFCI)R - GENERAL KITCHEN	20 A	1			1180	1680			1	20 A	(NCB)(GFCI)R - GENERAL KITCHEN	10
11	(NCB)(GFCI)R - FRIDGE	20 A	1					700	500	1	20 A	(NCB)(GFCI)R - GENERAL KITCHEN	12
13	(NCB)(GFCI)R - EWC	20 A	1	500	900					1	20 A	(NCB)(GFCI)R - TVS	14
15	(NICD) (CECI) DOLLING HOT CARINET	20. 4	0			1000	700			1	20 A	(NCB)(GFCI)R - FRIDGE	16
17	(NCB)(GFCI) ROLLING HOT CABINET	20 A	2					1000	700	1	20 A	(NCB)(GFCI)R - FRIDGE	18
19	(NCB)(GFCI) GRAB-N-GO FRIDGE	20 A	1	1750	700					1	20 A	(NCB)(GFCI)R - FRIDGE	20
21	(NCB)(GFCI) GRAB-N-GO FRIDGE	20 A	1			1750	2000			1	30 A	(NCB)(GFCI)MOBILE HOT CABINET	22
23	(NCB)(GFCI) WALK-IN LIGHTS	20 A	1					1440	2000	1	30 A	(NCB)(GFCI)MOBILE HOT CABINET	24
25	(ALCD) (CECI) MALK IN EVAD	20.4	2	1000	1080					1	20 A	(NCB)(GFCI) ICE MAKER	26
27	(NCB)(GFCI) WALK-IN EVAP	30 A	2			1000	954			1	20 A	(NCB) (GFCI) L - SERVING LINE	28
29	(NCB)(GFCI)(GFPE) WALK-IN HEAT	20 A	1					1920	1080	1	20 A	(NCB) (GFCI) R - BLACK BOX	30
31	(NCB)(GFCI)R - POINTS OF SALE	20 A	1	720	1000					2	20.4	(NICD)(CECI) MALK IN EVAD	32
33	(NCB)(GFCI)L - KITCHEN	20 A	1			1106	1000			2	30 A	(NCB)(GFCI) WALK-IN EVAP	34
35	(NCB)(GFCI)L - CAFETERIA	20 A	1					1148	1920	1	20 A	(NCB)(GFCI)R- MOBILE HOT CABINET	36
37	(NCB)(GFCI) L - KITCHEN	20 A	1	1426	0					1	20 A	SPARE	38
39	SPARE	20 A	1			0	0			1	20 A	SPARE	40
41	SPARE	20 A	1					0	0	1	20 A	SPARE	42
	1	Tota	al Load:	1333	6 VA	1405	0 VA	1412	8 VA		ı		
		Tota	l Amps:	11	1 A	118	8 A	119	9 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals		
Other	500 VA	100%	500 VA			
Lighting	4634 VA	125%	5793 VA	Total Conn. Load:	41514 VA	
Receptacle	4280 VA	100%	4280 VA	Total Est. Demand:	36793 VA	
NON-MOTOR LOAD	8080 VA	100%	8080 VA	Total Conn.:	115 A	
Kitchen	23300 VA	74.77%	17421 VA	Total Est. Demand:	102 A	
Power	720 VA	100%	720 VA			

	LIGHTING CONTROL SCHEDULE													
ROOM NAME & NUMBER	LIGHTING CONTROL ON	LIGHTING CONTROL OFF	SENSOR TYPE	SENSOR TIMEOUT (MIN)	DIMMING PERCENTAGE	TIMECLOCK INTEGRATION	TIMECLOCK OVERRIDE	REMARKS						
CAFETERIA SEATING 103	MANUAL	MANUAL												
SERVING LINE 104	MANUAL	MANUAL												
KITCHEN 1 105	MANUAL	MANUAL												
KITCHEN 2-1 106-1	MANUAL	MANUAL												
KITCHEN 2-2 106-2	MANUAL	MANUAL												
KITCHEN 3 107	MANUAL	MANUAL												
KITCHEN 4 110	MANUAL	MANUAL												
DRY STORAGE 111	MANUAL	MANUAL												
KITCHEN HALLWAY 112	MANUAL	MANUAL												
STORAGE 113	MANUAL	OCCUPANCY	DUAL TECH	15										
MOP CLOSET 115	MANUAL	OCCUPANCY	DUAL TECH	15										
LAUNDRY 116	MANUAL	OCCUPANCY	DUAL TECH	15										

GENERAL SWITCHING NOTES

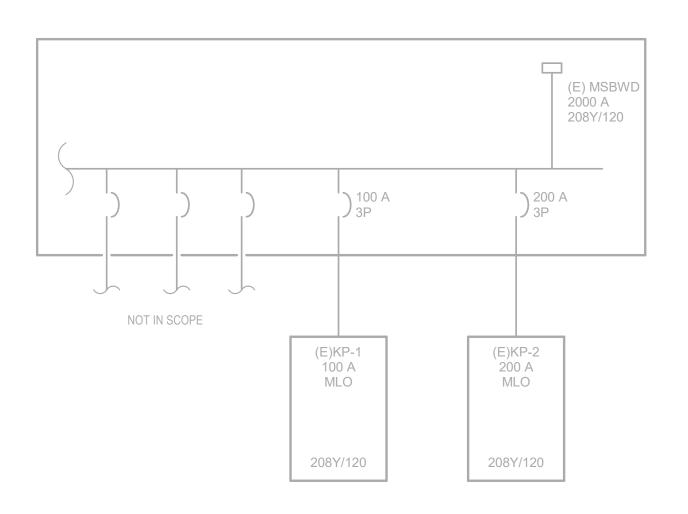
A. OCCUPANCY SENSOR SWITCH TURNS LIGHTS ON. SET OFF DELAY FOR 15 MINUTES.

B. OCCUPANCY SENSOR(S) TURN LIGHTS ON AND OFF. OCCUPANCY SENSOR(S) CONTROL CIRCUIT IN THIS ROOM AHEAD OF MANUAL LIGHT SWITCH(ES). SET OFF DELAY FOR 15 MINUTES.

C. OCCUPANCY SENSOR(S) CONTROL CIRCUIT IN THIS ROOM AHEAD OF ALL OTHER CONTROL DEVICES. LIGHT LEVEL SENSOR AND LIGHTING CONTROL DIMMER CONTROL LIGHT OUTPUT BASED ON AVAILABLE DAYLIGHT. MANUAL DIMMER OVERRIDE INCREASES/DECREASES LUMEN OUTPUT. SET OCCUPANCY SENSOR OFF DELAY FOR 15 MINUTES. LIGHTING CONTROL DIMMER REVERSES TO DAY LIGHT SETTINGS WHEN OCCUPANCY SENSOR TURNS LIGHTS OFF.

	LIGHTING FIXTURE SCHEDULE														
	LIGHT SOURCE														
CALL OUT	LUMENS	CCT	CRI	WATT	VOLT	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	GENERAL NOTES					
A2	3400	4000K	80CRI	30 W	120 V	2X2 LED TROFFER	RECESSED	COOPER	22FP3240C	-					
A3	3100	4000K	80CRI	41 W	120 V	2X4 LED TROFFER	RECESSED	COOPER	24FP4740C	-					
A3E	3100	4000K	80CRI	41 W	120 V	2X4 LED TROFFER, BATTERY	RECESSED	COOPER	24FP4740CN-EL14W	-					
44	4000	4000K	80CRI	62 W	120 V	2X4 LED TROFFER	RECESSED	COOPER	24FP6440C	-					
A4E	4000	4000K	80CRI	62 W	120 V	2X4 LED TROFFER, BATTERY	RECESSED	COOPER	24FP6440C-EL14W	-					
D1	1000	4000K	80CRI	9 W	120 V	6IN DOWNLIGHT	RECESSED	GOTHAM	EVO6-40-10-AR-LSS-WD-120	-					
T1	160L/FT	4000K	80CRI	2 W	120 V	WALL WASH TAPE LIGHT	RECESSED CHANNEL	LEDI	V5-STND-ECO-40	LIGHT SHALL BE INSTALLED UNDER COUNTERTOP TO WASH CERAMIC TILE.					
X1W	-	-	-	5 W	120 V	SINGLE FACE EXIT SIGN, BATTERY	WALL	EVENLITE	TLX-EM-AC-RU-W-SD	-					

LIGHTING FIXTURE NOTES
 SPECIFIED FIXTURES INDICATE DESIGN INTENT. SUBSTITUTIONS ARE WELCOME. NO PRE-APPROVAL REQUIRED. ENGINEER WILL REVIEW ONE LIGHTING SUBMITTAL PACKAGE DURING SUBMITTAL PHASE. IF SUBSTITUTIONS ARE DEEMED NOT EQUAL TO SPECIFIED FIXTURE, CONTRACTOR SHALL PROVIDE SPECIFIED FIXTURE.
 SEE ARCHITECTURAL PLANS FOR ADDITIONAL LIGHTING INFORMATION - ELEVATIONS, CEILING HEIGHTS, CEILING TYPES, DETAILS, ETC.







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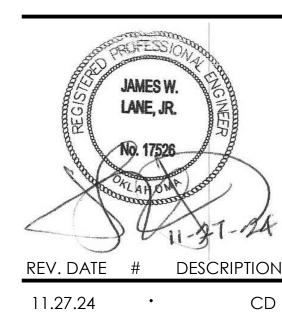
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CENTRAL HIGH SCHOOL CAFETERIA REMODEL

A240040

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ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

LIGHTING PLAN NOTES

- A. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
- B. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE. C. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.

KEYNOTES

CONNECT NEW LIGHT TO EXISTING LIGHTING CIRCUIT AND SWITCH LEG OF FIXTURE INDICATED. CONNECT NEW LIGHT TO EXISTING LIGHTING CONTROLS IN AREA.

D. LOWER CASE SUBSCRIPTS INDICATE SWITCH SCHEME.



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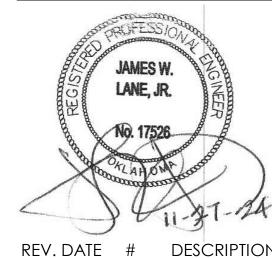
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CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

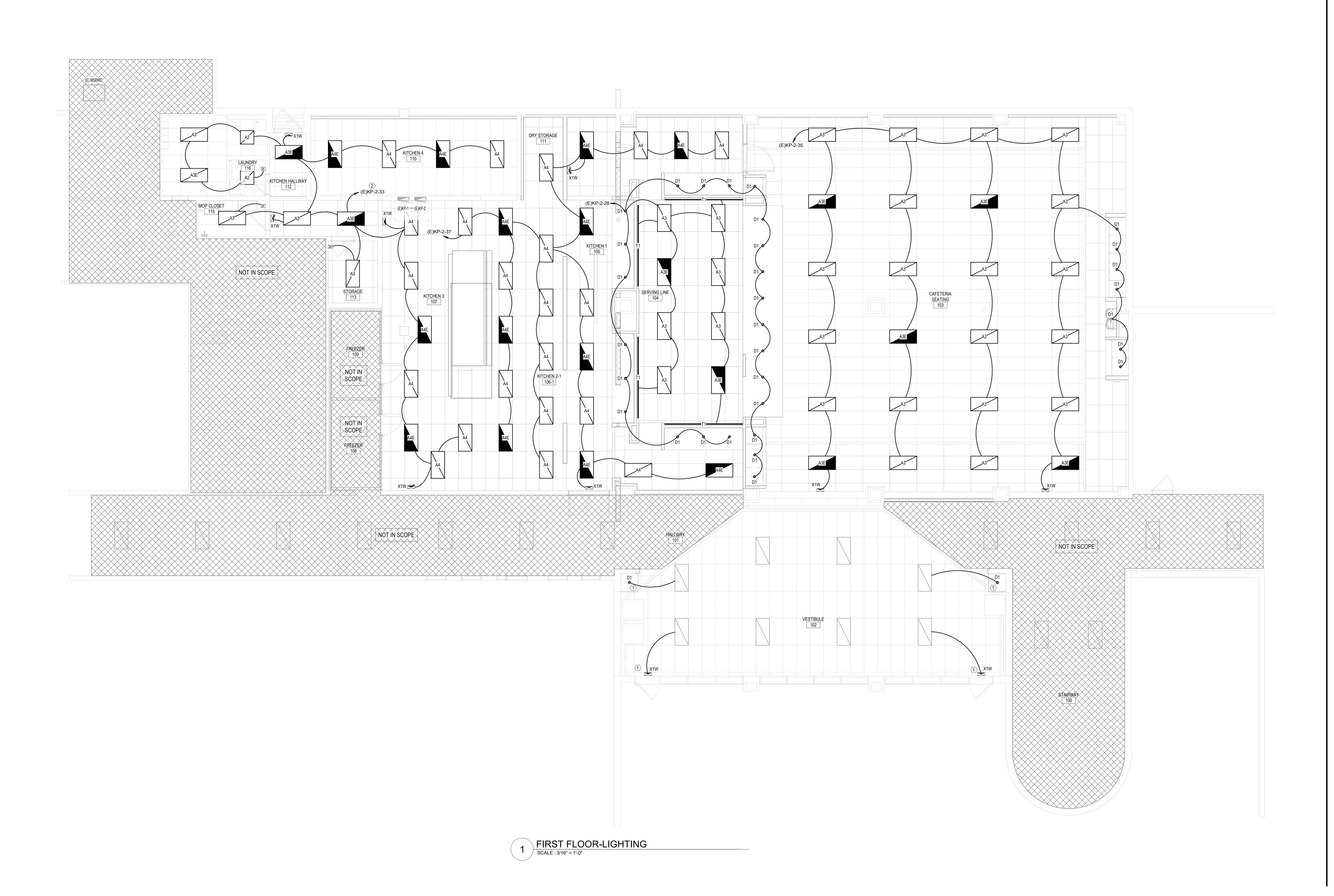
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FIRST FLOOR -LIGHTING PLAN

E101



KEYNOTES

 EXISTING POWER LOCATIONS LOCATED ON COLUMNS SHALL BE PULLED OUT TO NEW TILE FACE. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.
 COORDINATE LOCATION WITH FURNITURE LAYOUT. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. **DEMOLITION NOTES**

A. REFER TO MECHANICAL AND ARCHITECTURAL DEMOLITION PLANS.
REMOVE ASSOCIATED EQUIPMENT AS INDICATED ON PLANS.

B. REFER TO PROPOSED ELECTRICAL PLANS E201. ALL RECEPTACLES AND DATA DROPS ON DEMOLISHED WALLS SHALL BE REMOVED.

C. REMOVE EXISTING DISCONNECTED/ABANDONED CONDUCTORS AND CONDUIT BACK TO SOURCE AND DISPOSE.



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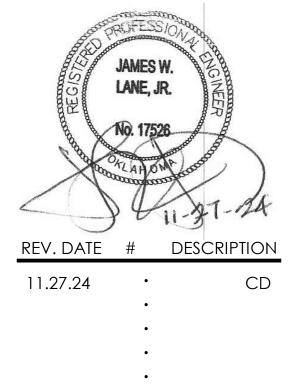
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REMODEL

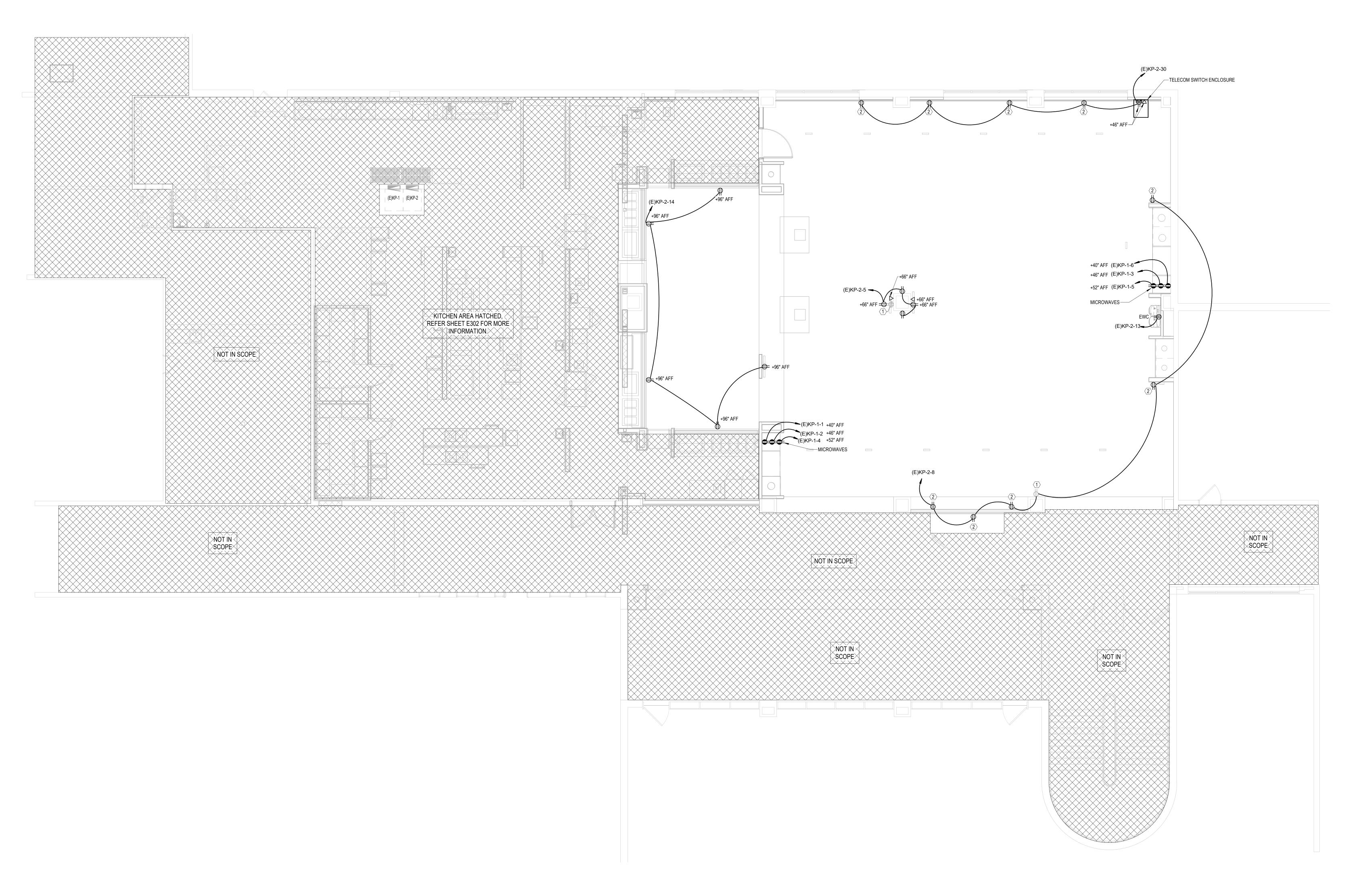
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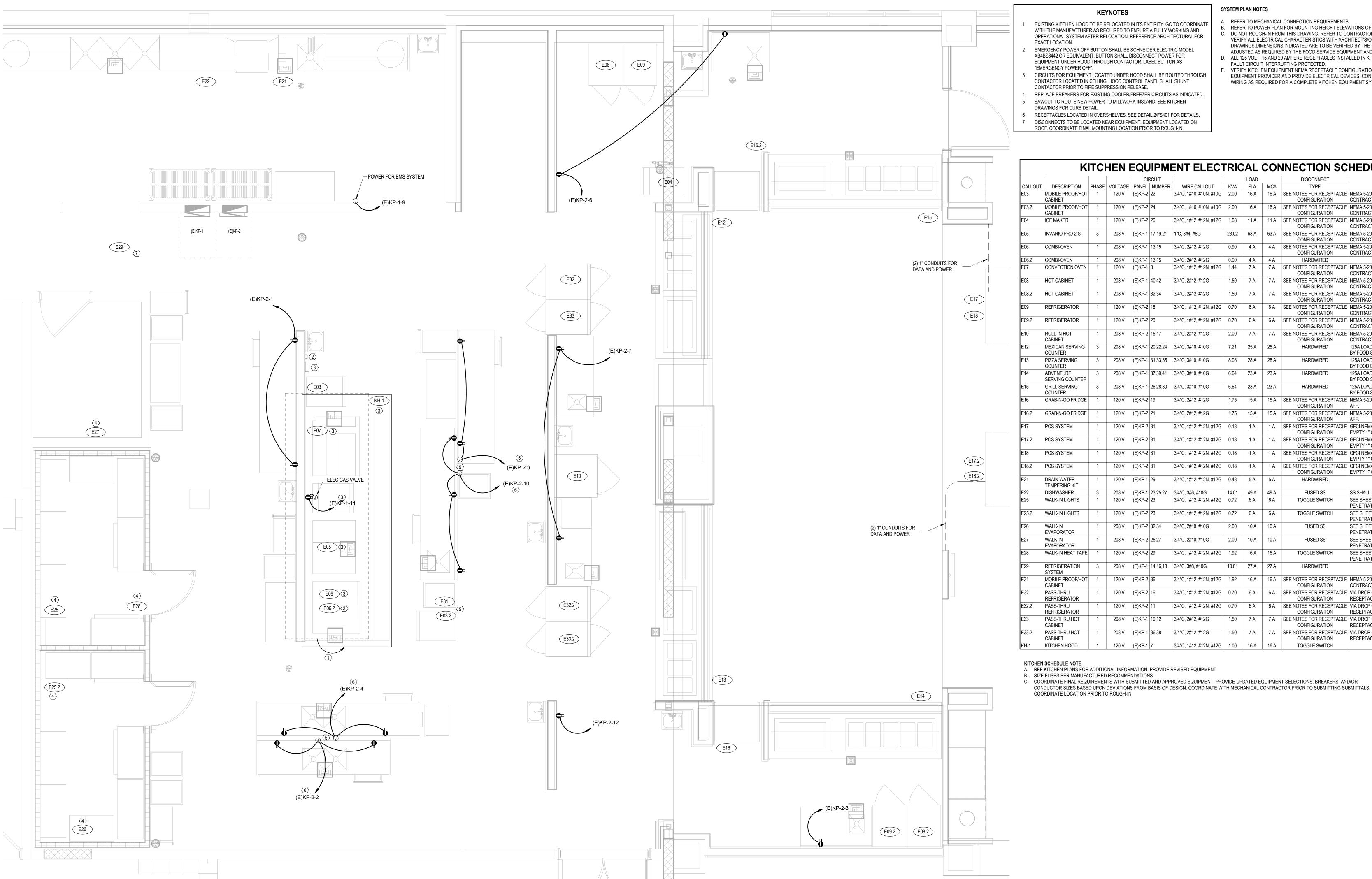
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FIRST FLOOR - POWER PLAN

E201





KITCHEN-SYSTEMS

SCALE: 3/8" = 1'-0"

EXISTING KITCHEN HOOD TO BE RELOCATED IN ITS ENTIRITY. GC TO COORDINAT WITH THE MANUFACTURER AS REQUIRED TO ENSURE A FULLY WORKING AND OPERATIONAL SYSTEM AFTER RELOCATION. REFERENCE ARCHITECTURAL FOR

DESCRIPTION PHASE VOLTAGE PANEL NUMBER WIRE CALLOUT KVA FLA MCA

208 V (E)KP-1 13,15 3/4"C, 2#12, #12G

208 V (E)KP-1 20,22,24 3/4"C, 3#10, #10G

208 V (E)KP-1 31,33,35 3/4"C, 3#10, #10G

208 V (E)KP-1 37,39,41 3/4"C, 3#10, #10G

208 V (E)KP-1 26,28,30 3/4"C, 3#10, #10G

120 V (E)KP-2 19

120 V (E)KP-2 21

120 V (E)KP-2 31

120 V (E)KP-1 29

120 V (E)KP-2 23

120 V (E)KP-2 23

208 V (E)KP-2 32,34 3/4"C, 2#10, #10G

208 V (E)KP-2 25,27 3/4"C, 2#10, #10G

208 V (E)KP-1 36,38 3/4"C, 2#12, #12G

120 V (E)KP-1 8

EXACT LOCATION. EMERGENCY POWER OFF BUTTON SHALL BE SCHNEIDER ELECTRIC MODEL XB4BS8442 OR EQUIVALENT. BUTTON SHALL DISCONNECT POWER FOR EQUIPMENT UNDER HOOD THROUGH CONTACTOR. LABEL BUTTON AS

KEYNOTES

- "EMERGENCY POWER OFF". CIRCUITS FOR EQUIPMENT LOCATED UNDER HOOD SHALL BE ROUTED THROUGH
- CONTACTOR LOCATED IN CEILING. HOOD CONTROL PANEL SHALL SHUNT CONTACTOR PRIOR TO FIRE SUPPRESSION RELEASE. REPLACE BREAKERS FOR EXISTING COOLER/FREEZER CIRCUITS AS INDICATED.
- SAWCUT TO ROUTE NEW POWER TO MILLWORK INSLAND. SEE KITCHEN DRAWINGS FOR CURB DETAIL.

MOBILE PROOF/HOT 1

ICE MAKER

INVARIO PRO 2-S

COMBI-OVEN

HOT CABINET

HOT CABINET

REFRIGERATOR

REFRIGERATOR

MEXICAN SERVING

SERVING COUNTER

GRAB-N-GO FRIDGE

GRAB-N-GO FRIDGE

PIZZA SERVING

GRILL SERVING

ADVENTURE

COUNTER

POS SYSTEM

POS SYSTEM

DRAIN WATER

TEMPERING KIT

WALK-IN LIGHTS

WALK-IN LIGHTS

EVAPORATOR

EVAPORATOR

WALK-IN HEAT TAPE

REFRIGERATION

MOBILE PROOF/HOT

PASS-THRU REFRIGERATOR

PASS-THRU

REFRIGERATOR

PASS-THRU HOT

PASS-THRU HOT

KITCHEN HOOD

WALK-IN

DISHWASHER

ROLL-IN HOT

CONVECTION OVEN

RECEPTACLES LOCATED IN OVERSHELVES. SEE DETAIL 2/FS401 FOR DETAILS DISCONNECTS TO BE LOCATED NEAR EQUIPMENT, EQUIPMENT LOCATED ON ROOF. COORDINATE FINAL MOUNTING LOCATION PRIOR TO ROUGH-IN.

SYSTEM PLAN NOTES

KITCHEN EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

120 V (E)KP-2 22 3/4"C, 1#10, #10N, #10G 2.00 16 A 16 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

6.64 23 A 23 A

3/4"C, 1#12, #12N, #12G | 0.48 | 5 A | 5 A

3/4"C, 1#12, #12N, #12G | 0.72 | 6 A | 6 A

3/4"C, 1#12, #12N, #12G | 0.72 | 6 A | 6 A

2.00 | 10 A | 10 A

2.00 10 A 10 A

120 V (E)KP-2 36 3/4"C, 1#12, #12N, #12G 1.92 16 A 16 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

120 V | (E)KP-2 | 16 | 3/4"C, 1#12, #12N, #12G | 0.70 | 6 A | 6 A | SEE NOTES FOR RECEPTACLE | VIA DROP CORD FROM CEILING, 5-20R

208 V | (E)KP-1 | 10,12 | 3/4"C, 2#12, #12G | 1.50 | 7 A | 7 A | SEE NOTES FOR RECEPTACLE | VIA DROP CORD FROM CEILING, 6-20R

3/4"C, 1#12, #12N, #12G | 1.00 | 16 A | 16 A | TOGGLE SWITCH

3/4"C, 1#12, #12N, #12G | 0.70 | 6 A | 6 A | SEE NOTES FOR RECEPTACLE VIA DROP CORD FROM CEILING, 5-20R

208 V (E)KP-1 23,25,27 3/4"C, 3#6, #10G 14.01 49 A 49 A

120 V (E)KP-2 29 3/4"C, 1#12, #12N, #12G 1.92 16 A 16 A

208 V (E)KP-1 | 14,16,18 | 3/4"C, 3#8, #10G | 10.01 | 27 A | 27 A |

| 3/4"C, 1#10, #10N, #10G | 2.00 | 16 A | 16 A | SEE NOTES FOR RECEPTACLE | NEMA 5-20P CORD BY ELECTRICAL

3/4"C, 1#12, #12N, #12G | 0.70 | 6 A | 6 A | SEE NOTES FOR RECEPTACLE | NEMA 5-20P CORD BY ELECTRICAL

3/4"C, 1#12, #12N, #12G 0.70 6 A 6 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

- REFER TO MECHANICAL CONNECTION REQUIREMENTS REFER TO POWER PLAN FOR MOUNTING HEIGHT ELEVATIONS OF SHARED DEVICES. DO NOT ROUGH-IN FROM THIS DRAWING. REFER TO CONTRACTOR'S DIMENSIONED DRAWINGS VERIFY ALL ELECTRICAL CHARACTERISTICS WITH ARCHITECT'S/OWNER'S FOOD SERVICE EQUIPMENT DRAWINGS.DIMENSIONS INDICATED ARE TO BE VERIFIED BY THE FOOD SERVICE CONTRACTOR AND
- ADJUSTED AS REQUIRED BY THE FOOD SERVICE EQUIPMENT AND/OR FIELD CONDITIONS. ALL 125 VOLT, 15 AND 20 AMPERE RECEPTACLES INSTALLED IN KITCHENS SHALL BE GFCI-GROUND FAULT CIRCUIT INTERRUPTING PROTECTED.
- VERIFY KITCHEN EQUIPMENT NEMA RECEPTACLE CONFIGURATIONS WITH SUCCESSFUL KITCHEN EQUIPMENT PROVIDER AND PROVIDE ELECTRICAL DEVICES, CONNECTIONS, CIRCUIT BREAKERS. WIRING AS REQUIRED FOR A COMPLETE KITCHEN EQUIPMENT SYSTEM. PROVIDE COSTS IN BASE BID

CONFIGURATION CONTRACTOR.

CONFIGURATION CONTRACTOR.

CONFIGURATION CONTRACTOR.

CONFIGURATION CONTRACTOR.

CONFIGURATION CONTRACTOR.

CONFIGURATION CONTRACTOR.

1.75 15 A 15 A SEE NOTES FOR RECEPTACLE NEMA 5-20P RECEPTACLE MOUNTED AT 65" CONFIGURATION AFF. 1.75 15 A 15 A SEE NOTES FOR RECEPTACLE NEMA 5-20P RECEPTACLE MOUNTED AT 65"

CONFIGURATION CONTRACTOR.

CONFIGURATION | RECEPTACLE.

CONFIGURATION | RECEPTACLE.

CONFIGURATION | RECEPTACLE.

CONFIGURATION RECEPTACLE.

1.50 7 A 7 A SEE NOTES FOR RECEPTACLE VIA DROP CORD FROM CEILING, 6-20R

CONTRACTOR.

CONFIGURATION EMPTY 1" CONDUIT FOR DATA CABLE.

SS SHALL BE NEMA 3R

PENETRATION INFORMATION.

PENETRATION INFORMATION.

PENETRATION INFORMATION.

PENETRATION INFORMATION.

PENETRATION INFORMATION.

SEE SHEET FS401 FOR COOLER/FREEZER

125A LOAD CENTER LOCATED IN EQUIPMENT

BY FOOD SERVICE CONTRACTOR.

BY FOOD SERVICE CONTRACTOR.

BY FOOD SERVICE CONTRACTOR.

BY FOOD SERVICE CONTRACTOR.

23.02 63 A 63 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

0.90 4 A 4 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

1.50 7 A 7 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

1.50 7 A 7 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

2.00 7 A 7 A SEE NOTES FOR RECEPTACLE NEMA 5-20P CORD BY ELECTRICAL

CONFIGURATION

CONFIGURATION 3/4"C, 1#12, #12N, #12G 0.18 1 A 1 A SEE NOTES FOR RECEPTACLE GFCI NEMA 5-20P RECEPTACLE. PROVIDE WITH

3/4"C, 1#12, #12N, #12G | 0.18 | 1 A | SEE NOTES FOR RECEPTACLE GFCI NEMA 5-20P RECEPTACLE. PROVIDE WITH

3/4"C, 1#12, #12N, #12G 0.18 1 A 1 A SEE NOTES FOR RECEPTACLE GFCI NEMA 5-20P RECEPTACLE. PROVIDE WITH

3/4"C, 1#12, #12N, #12G 0.18 1 A SEE NOTES FOR RECEPTACLE GFCI NEMA 5-20P RECEPTACLE. PROVIDE WITH

FUSED SS



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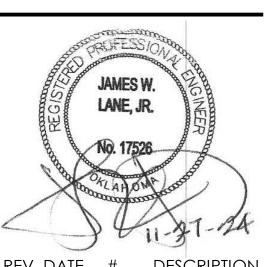
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CENTRAL HIGH SCHOOL **CAFETERIA REMODEL**

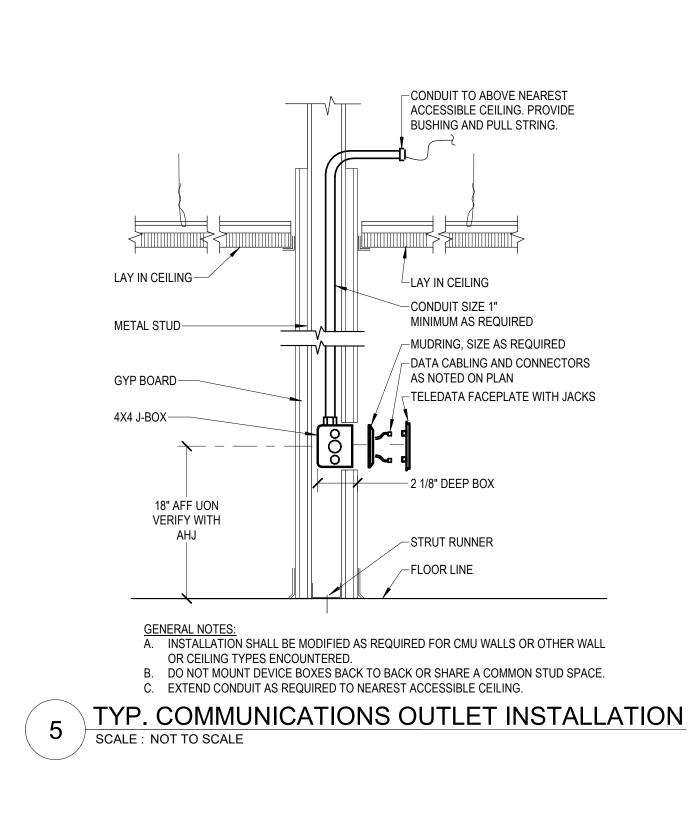
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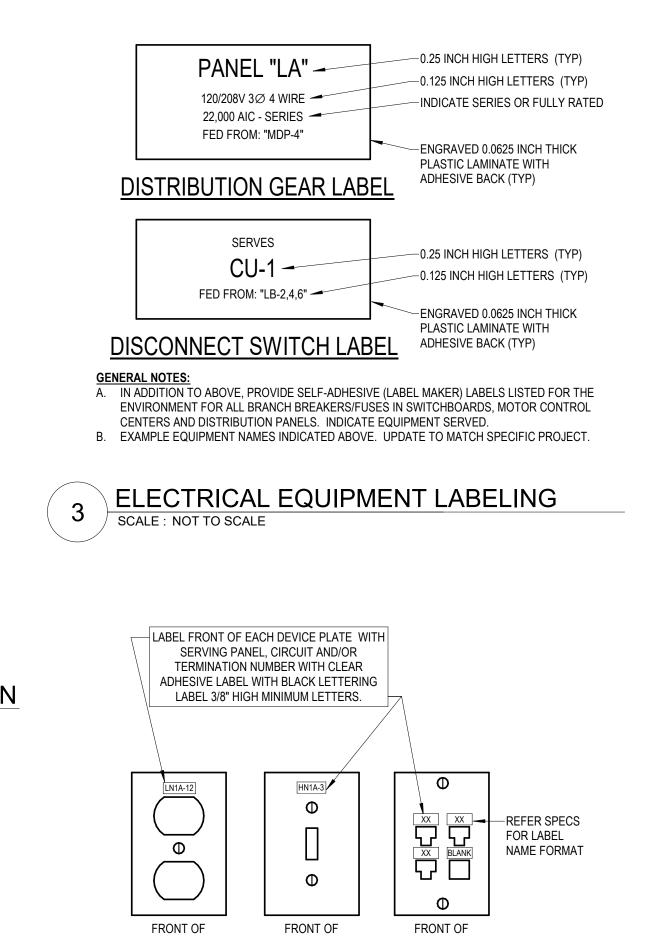
3101 W. EDISION ST. TULSA, Ok 74127



11.27.24

KITCHEN - SYSTEMS PLAN





DEVICE PLATE INDENTIFICATION DETAIL 7 SCALE: NOT TO SCALE

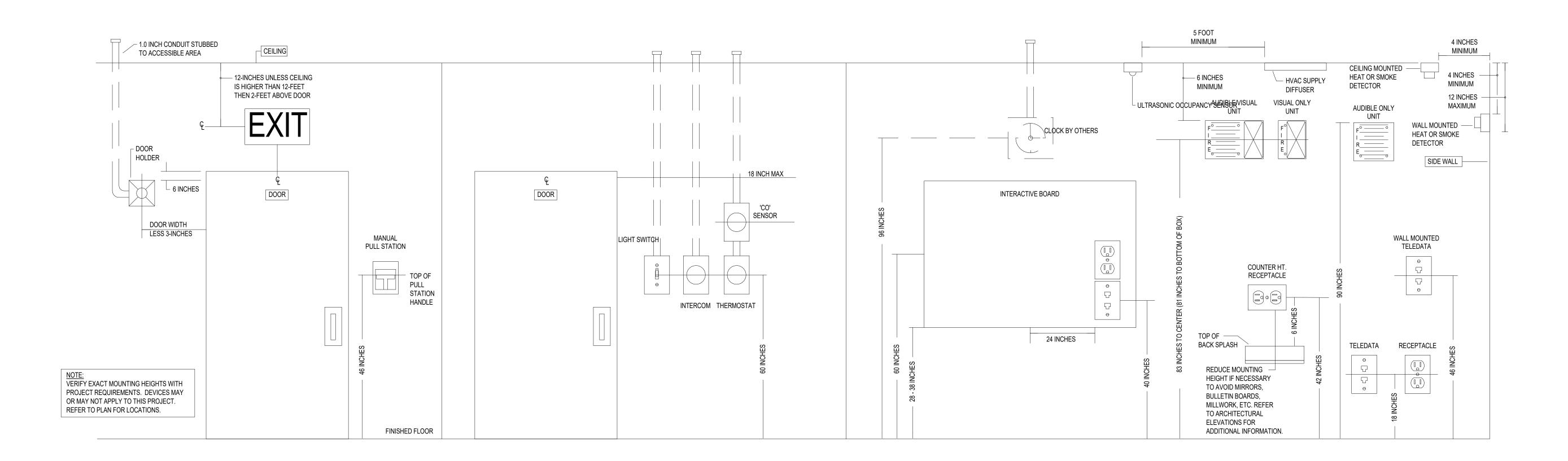
SWITCHPLATE

TELEDATA

FACEPLATE

RECEPTACLE

FACEPLATE



8 TPS STANDARD DEVICE MOUNTING
SCALE: NOT TO SCALE



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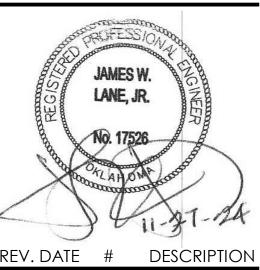
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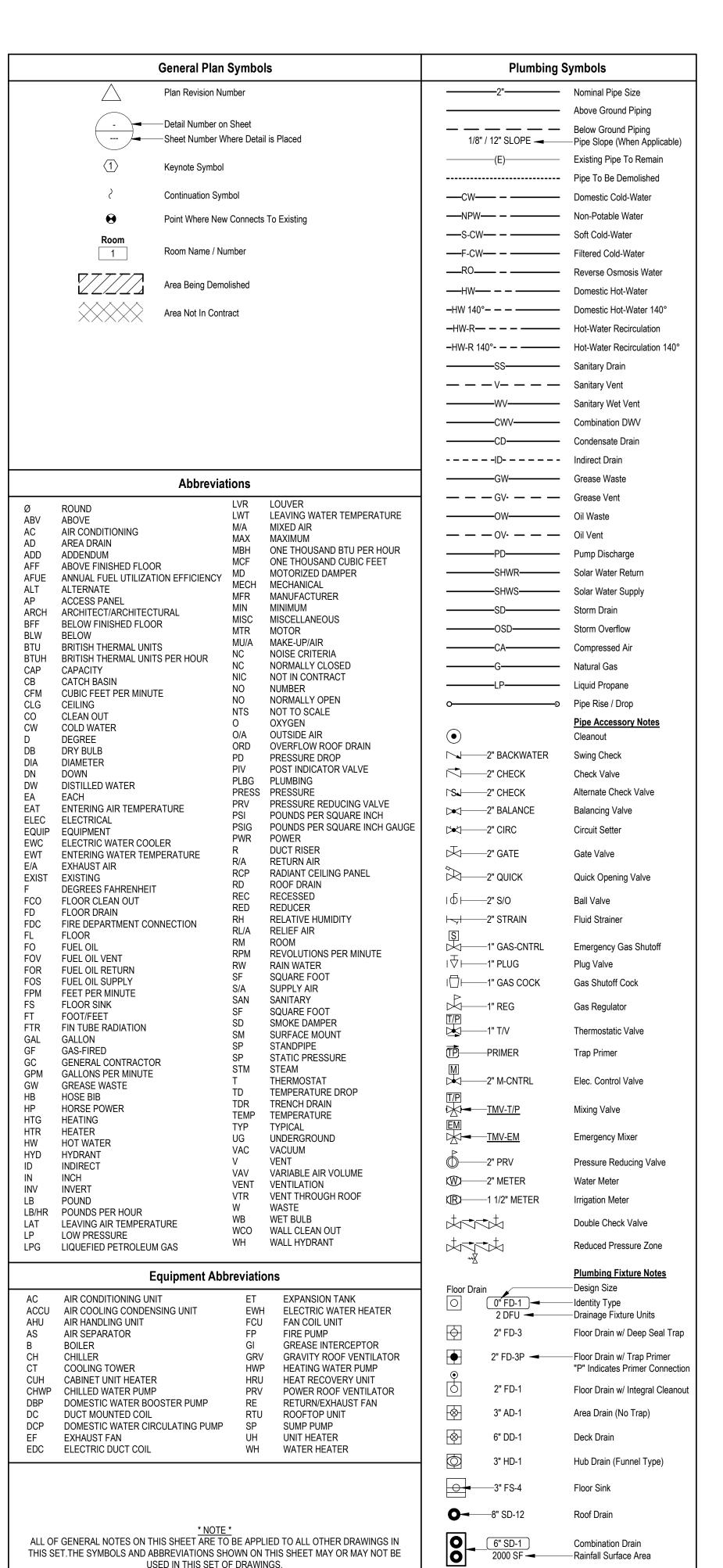
CENTRAL HIGH SCHOOL CAFETERIA **REMODEL**

A240040

3101 W. EDISION ST. TULSA, Ok 74127



ELECTRICAL DETAILS



USED IN THIS SET OF DRAWINGS.

Plumbing Project Requirements

- REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.
- B THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED. WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR
- TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM
- TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING
- H LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE
- ELECTRICAL PANELS. TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS FLOORS, WALLS, AND ROOF.
- MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH M ADJUST PIPING SIZES TO PROPERLY CONNECT TO PLUMBING EQUIPMENT.

N PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE

O PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE P FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE

OF FINAL ACCEPTANCE.

PLUMBING FIXTURES, AND DIFFUSERS.

- SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP
- CONSISTENT WITH THE SPECIFICATIONS. R LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE

PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT,

- COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT
- THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY THE

Plumbing General Notes

- A FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- B PITCH UNDERFLOOR SANITARY WASTE PIPING AT 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- C FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION. D WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM. E PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.

Plumbing Sheet Index

- P001 PLUMBING LEGEND & NOTES P101 CAFETERIA - OVERALL PLUMBING PLAN
- P102 KITCHEN DWV PLAN P103 KITCHEN - DOMESTIC WATER & GAS PLAN



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CENTRAL HIGH SCHOOL **CAFETERIA REMODEL**

A240040

3101 W. EDISION ST. TULSA, Ok 74127



REV. DATE # DESCRIPTION

11.27.2024

PLUMBING LEGEND & NOTES

			Grease Interce	eptor Sizing							
					Unit	Unit	Unit	Drain	Total		Total
Fixture	1	Unit Fixture	Unit Fixture	DFU	Volume	Capacity	Drain Load	Time	Flow Rate	Uses	Per 30 Minutes
Quantity	Fixture Description	Dimension (In)	Indirect Drain Size	IPC Table 709.2	(Cu In)	(Gallons)	Gallons @75%	(Min)	(GPM) ¹	Per Hour	(Gallon) ²
<u>Kitchen</u>											
1	3 Comp Sink Via Floor Sink	26 x 21 x 14 x 3	-	-	22,932	99.3	74.45	1	74.45	2	74.5
2	2 Comp Sink Via Floor Sink	18 x 18 x 10 x 2	-	<u> </u>	6,480	28.1	21.04	1	42.08	2	84.2
6	Hand Sink	14 x 10 x 6	-	-	840	3.6	2.73	1	16.36	4	196.4
7	Prep Table With Sink Via Floor Sink	18 x 18 x 10	-	-	3,240	14.0	10.52	1	73.64	2	515.5
1	Combi-Oven Via Floor Sink	-	2"	3	-	-	-	-	1.50	4	3.0
1	iVario Two Pan Via Floor Sink	-	1-1/2"	2	-	-	-	-	1.00	4	2.0
11	Drop-inFood Wells Via Floor Drain	-	3/4"	1	-	-	-	-	0.50	4	11.0
1	Ice Machine Via Floor Drain	-	1/2" & 3/4"	2	-	-	-	-	1.00	4	2.0
1	Mobile Convection Oven Via Floor Sink	-	3/4"	1	-	-	-	-	0.50	4	1.0
1	Wall Mounted Hose Reel Via Floor Sink	-	2"	3	-	-	-	-	1.50	4	3.0
1	Dishwasher Via Floor Sink	-	1-1/2"	2	- '	-	-	-	1.00	10	5.0
3	Emergency Floor Drain	0	-	0	-	-	-	-	0.00	0	0.0
				1	1	1			,		

¹ GPM based on IPC 709.3 ² Gallon based on IPC 1003.3.7 Minimum Grease Interceptor Required (Gallons) = 897.4

Grease Interceptor Provided (Gallons) = 1000

	Plumbing Fixture Schedule													
Туре				Drain-Waste-Vent										
Identity	Description	Manufacturer	Model	Drain Size	Product Specification									
GI-1	Grease Interceptor	Hausners	GT-1000	4"	1,000 GALLON PRECAST CONCRETE GREASE INTERCEPTOR WITH ACCESS COVERS. COORDINATE DEPTH WITH GC.									
JS-1	Sink	Fiat	TSBC1610		SERVICE BASIN WITH CAP ON TWO SIDES, WITH STAINLESS STEEL 3" DRAIN AND CAST IRON TRAP. FAUCET SHALL INCLUDE PAIL HOOK AND ATMOSPHERIC VACUUM BREAKER SPOUT. FURNISH 5'-0" LENGTH OF 5-PLY GARDEN HOSE AND FITTINGS.									
YCO	Yard Cleanout	Wade	6000-85-X	1	CAST IRON BODY WITH STAINLESS STEEL HEAVY DUTY COVER FINISH NO-HUB CLEANOUT WITH FLANGED FERRULE. PROVIDE WITH BRASS GASKETED PLUG. PROVIDE REINFORCED CONCRETE PAD FOR ANTICIPATED TRAFFICE LOADING AND INSTALL PER MANUFACTURER INSTRUCTIONS.									
FCO	Cleanout	Wade	6000	4"	REFERANCE PLANS FOR REQUIRED SIZE. CAST IRON WITH NICKEL BRONZE FINISH NO-HUB CLEANOUT WITH FLANGED FERRULE. PROVIDE WITH BRASS GASKET PLUG.									
FD-1	Floor Drain	Wade	W1100	3"	FLOOR DRAIN WITH 6" STANDARD STRAINER, A.R.C. INTERIOR COATING, NICKEL BRONZE FINISH, AND PROVENT TRAP GUARD SEALING DEVICE.									
FS-1	Floor Sink	Wade	W9150-1-TSD	3"	12" SQUARE X 10" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST HALF STEEL GRATE, DOME BOTTOM STRAINER, NO HUB OUTLET, AND TRAP GUARD SEALING DEVICE.									
FS-1	Floor Sink	Wade	W9150-1-TSD	4"	12" SQUARE X 10" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST HALF STEEL GRATE, DOME BOTTOM STRAINER, NO HUB OUTLET, AND TRAP GUARD SEALING DEVICE.									
FS-2	Floor Sink	Watts	W9110-1-TSD	3"	8" SQUARE X 6" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST HALF STEEL GRATE, DOME BOTTOM STRAINER, NO HUB OUTLET, AND TRAP GUARD SEALING DEVICE.									

	Gas-Fired Water Heater Schedule													
			Recovery	Storage	Gas Burner	Flue	Electr	rical	Product					
Identity	Manufacturer	Model	Capacity	Capacity	Input Rating	Vent	Voltage	Phase	Weight	Notes				
WH-1	A.O. Smith	BTR-365 118	354 GPH	85 gal	365,000 Btu/h	4"	120 V	1	725 lb	1,2				

PROVIDE WITH 6.4 GALLON EXPANSION TANK (AMTROL ST-12C-DD OR EQUAL), RECIRCULATION PUMP (B&G MODEL NBF 12U/LW, 55 WATTS) AQUASTAT, SHUT OFF VALVES, CHECK VALVE, HEAT TRAPS, AND DRAIN PAN. PIPING DRAIN AND T&P SHALL BE ROUTED FULL SIZE TO NEAREST ACCEPTABLE DRAIN RECEPTOR. PROVIDE WITH CONCRETE PAD.
 VERFIY EXISTING FLUE VENT SIZE IS RECOMMEND BY THE MANUFACTURER, OR PROVIDE FULL SIZE FLUE VENT KIT AS RECOMMENDED BY MANUFACTURER. VERFIY EXISTING O/A INLET IS SUFFINET PER MANUFACTURER RECOMMENDATIONS OR REPLACE WITH RECOMMENDED.

EXISTING SANITARY SHOWN FOR REFERANCE ONLY.

KEYED NOTES:

- 1. PLUMBING IN THESE AREAS IS TO REMAIN AS IS, NOT WITHIN
- 2. 1000 GALLON PRECAST CONCRETE GREASE INTERCEPTOR PER TULSA REQUIREMENTS. BASIS OF DESIGN TO INSTALL GREASE INTERCEPTOR IN LOCATION SERVICEABLE WITH TRAFFIC RATED LIDS, COORDINATE FINAL LOCATION WITH EXISTING CONDITIONS. PATCH AND REPAIR EXISTING SURFACES TO MATCH EXISTING CONDITIONS. INSTALL PER MFR INSTRUCTIONS AND VENT PER CODE. IF REQUIRED, ROUTE VENT THRU BUILDING TO VTR TERMINATION. INSTALL VENT PIPE FOR GREASE TRAP
- PER CODE. IF REQUIRED, ROUTE VENT THRU BUILDING TO VTR TERMINATION. INSTALL VENT PIPE FOR GREASE TRAP CONNECTED TO NO FIXTURE VENTS.

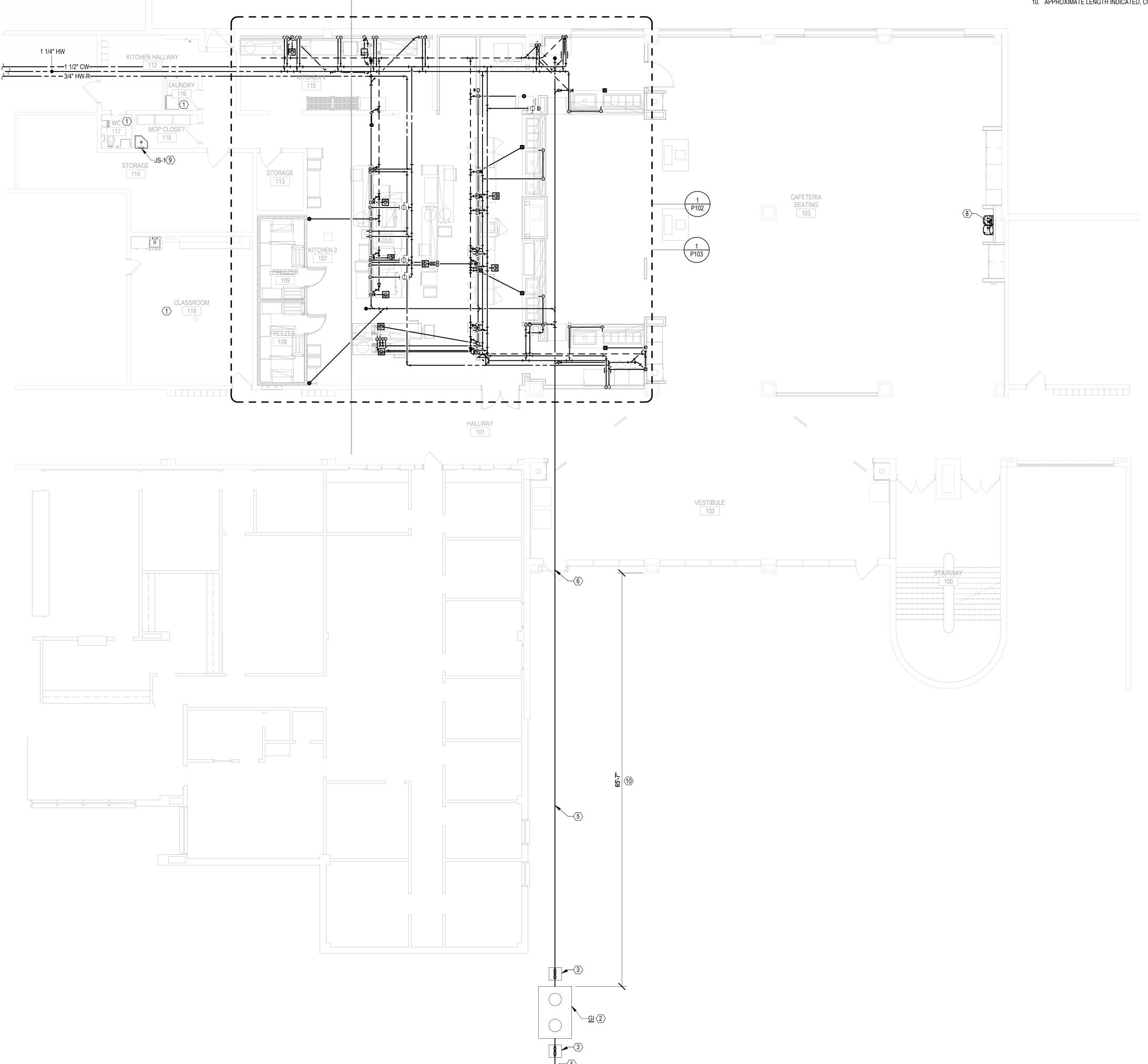
 3. PROVIDE DUAL YARD CLEANOUTS ON BOTH SIDES OF GREASE

INTERCEPTO LOCATED IN CONCRETE PAD FLUSH WITH GRADE.

4. EXTEND NEW SEWER TO CONNECT TO NEAREST 4"Ø OR LARGER SANITARY SEWER. FIELD VERIFY EXACT LOCATION AND INVERT.

PROVIDE PADS 2'x2'x4".

- 5. PROVIDE ALL WASTE PIPE CAST IRON TO GREASE TRAP.
- 6. ALL PIPES PASSING THRU MASONRY WALLS, FOOTINGS, OR FOUNDATIONS SHALL BE SLEEVED AND SEALED WATER TIGHT. TYPICAL THROUGHOUT.
- REPLACING EXISTING WATER HEATER WITH NEW AS SCHEDULE. (WH-1)
 EXISTING WATER COOLER TO BE REMOVED AND REINSTALLED.
 REFERENCE ARCHITECTURE FOR EXACT LOCATION. RECONNECT
 TO EXISTING PLUMBING STUB-INS AS REQUIRED.
- 9. EXISTING MOP SINK TO BE REMOVED AND REPLACED WITH NEW. REFERENCE ARCHITECTURE FOR EXACT LOCATION. RECONNECT TO EXISTING PLUMBING STUB-INS AS REQUIRED.
- 10. APPROXIMATE LENGTH INDICATED, COORDINATE EXACT LENGTH IN FIELD.





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CERTIFICATE OF AUTHORIZATION



CENTRAL
HIGH
SCHOOL
CAFETERIA
REMODEL

A240040

3101 W. EDISION ST. TULSA, Ok 74127



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11.27.2024 •

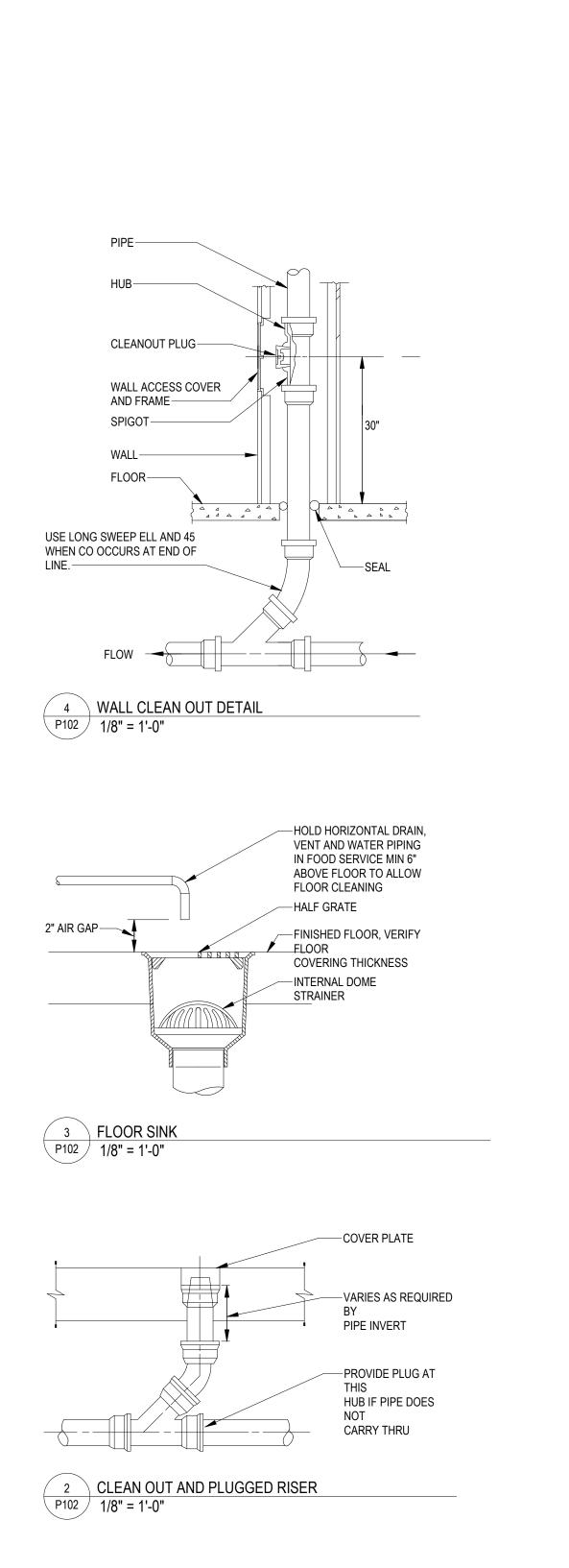
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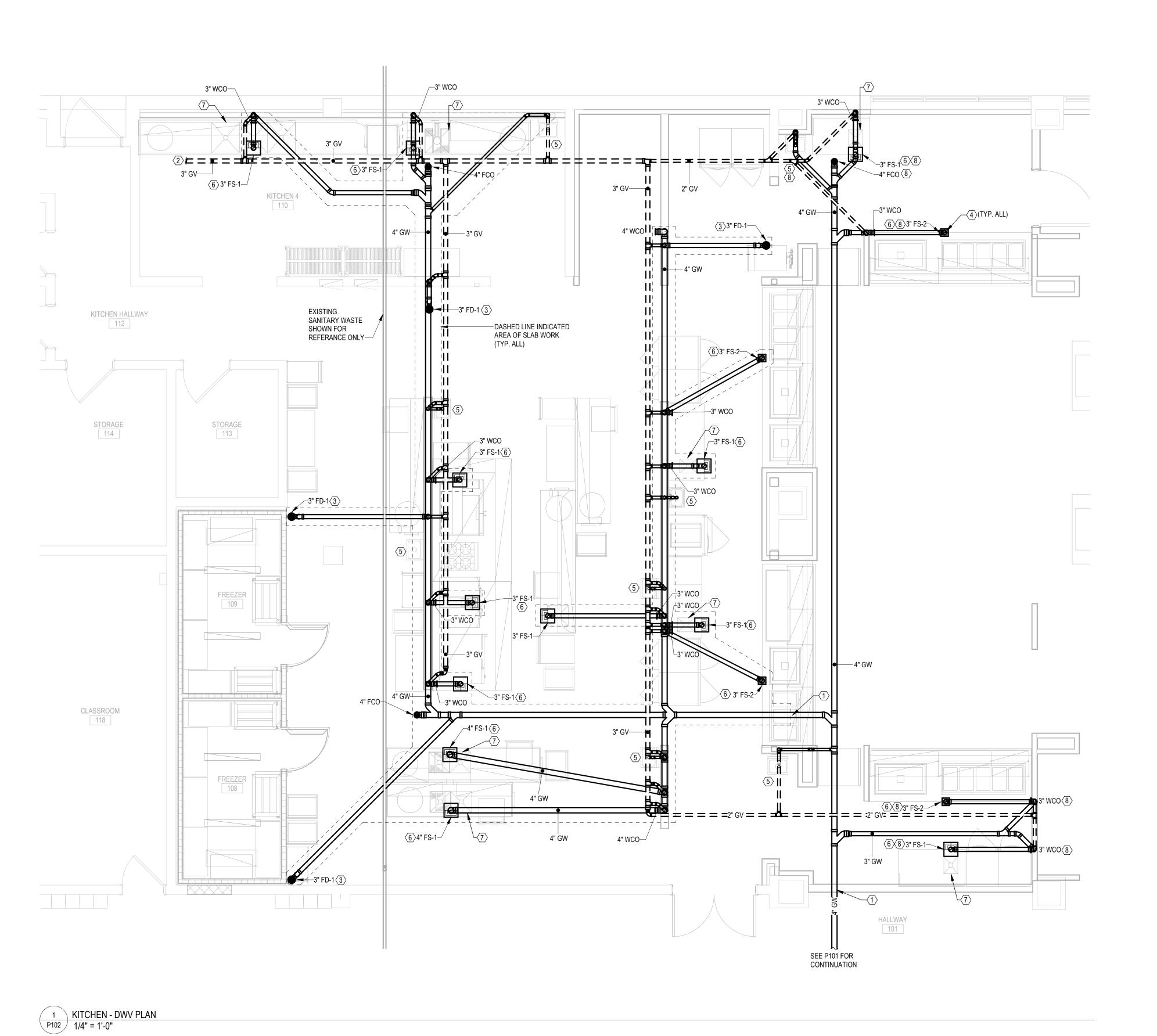
CAFETERIA -OVERALL PLUMBING PLAN

P101

KEYED NOTES:

- 1. SLEEVE AND SEAL ALL PIPES PASSING THRU MASONRY WALLS, FOOTINGS, OR FOUNDATIONS SHALL BE SLEEVED AND SEALED WATER TIGHT. TYPICAL THROUGHOUT.
- 2. GC TO CONNECT NEW VENT LINE TO EXISTING VENT LINE PREVIOUSLY SERVING AREA. VERIFY EXACT LOCATION IN FIELD AND CONNECT TO 3" LINE OR LARGER.
- 3. PROVIDE FLOOR CLEANOUTS FLUSH WITH FLOOR. LOCATE NO CLOSER THAN 18" TO WALLS OR MILLWORK. COORDINATE FINAL FINISH OF CLEANOUT WITH ARCHITECT AND FLOOR TYPE. TYPICAL THROUGHOUT.
- 4. COORDINATE FINAL LOCATION OF DRAIN RECEPTORS WITH FOOD SERVICE EQUIPMENT PROVIDER. COORDINATE WITH KITCHEN CONSULTANT DRAWINGS. TYPICAL THROUGHOUT.
- 5. HAND SINK PROVIDED BY FOOD SERVICE AND INSTALL BY PLUMBING. PROVIDE DRAIN TO GREASE WASTE SYSTEM.
- 6. PROVIDE WASTE PIPING FROM KITCHEN EQUIPMENT TO DRAIN RECEPTOR. COORDINATE WITH FOOD SERVICE FOR PIPE MATERIAL AND SIZE. DO NOT COMBINE WASTE PIPING. PROVIDE INSTALLATION AS TO NOT VOID WARRANTY.
- 7. SINK PROVIDED AND INSTALLED BY FOOD SERVICE CONTRACTOR. STRAINER PROVIDED BY FOOD SERVICE CONTRACTOR. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL WASTE PIPING FROM DRAIN CONNECTION TO FLOOR SINK TERMINATION. PROVIDE 2" AIR GAP.
- 8. FIXTURE TO BE INSTALLED WITHIN SUSPENDED WAFFLE SLAB. COORDINATE WITH KITCHEN VENDOR IF LOCATIONS INDICATED ARE NOT POSSIBLE DUE TO BEAM BELOW FOR UPDATED LOCATION.







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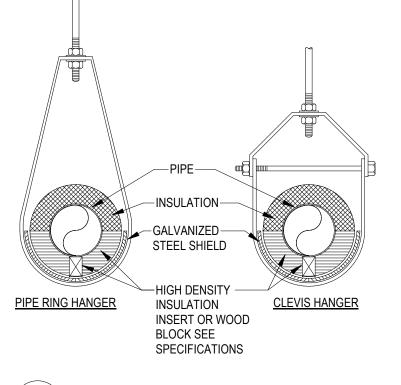
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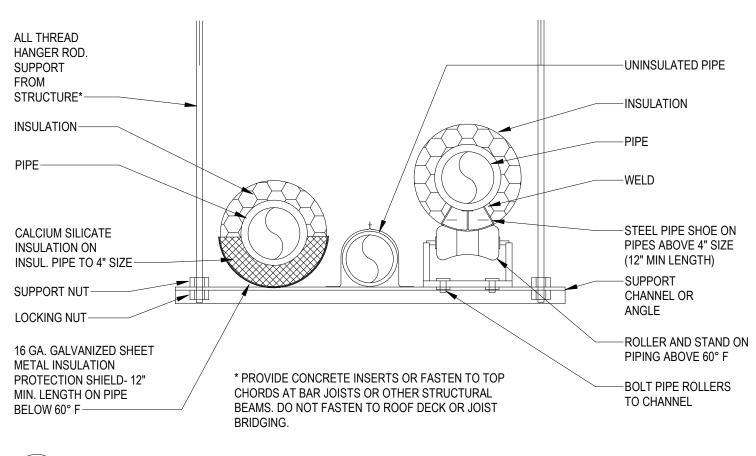
KITCHEN - DWV PLAN

P102

-CIRCULATING HOT WATER BRANCH -BALANCING VALVE (TYPICAL EACH BRANCH) -CIRCULATING PUMP —CHECK VALVE AQUASTAT-MIXING VALVE— HEAT TRAP-EXPANSION TANK— SHUT-OFF VALVE-UNION-RELIEF VALVE-ROUTE RELIEF TO FD——— TERMINATE 4" AFF WATER HEATER DRAIN VALVE-HOUSEKEEPING PAD-WATER HEATER PIPING DETAIL - SINGLE P103 1/8" = 1'-0"



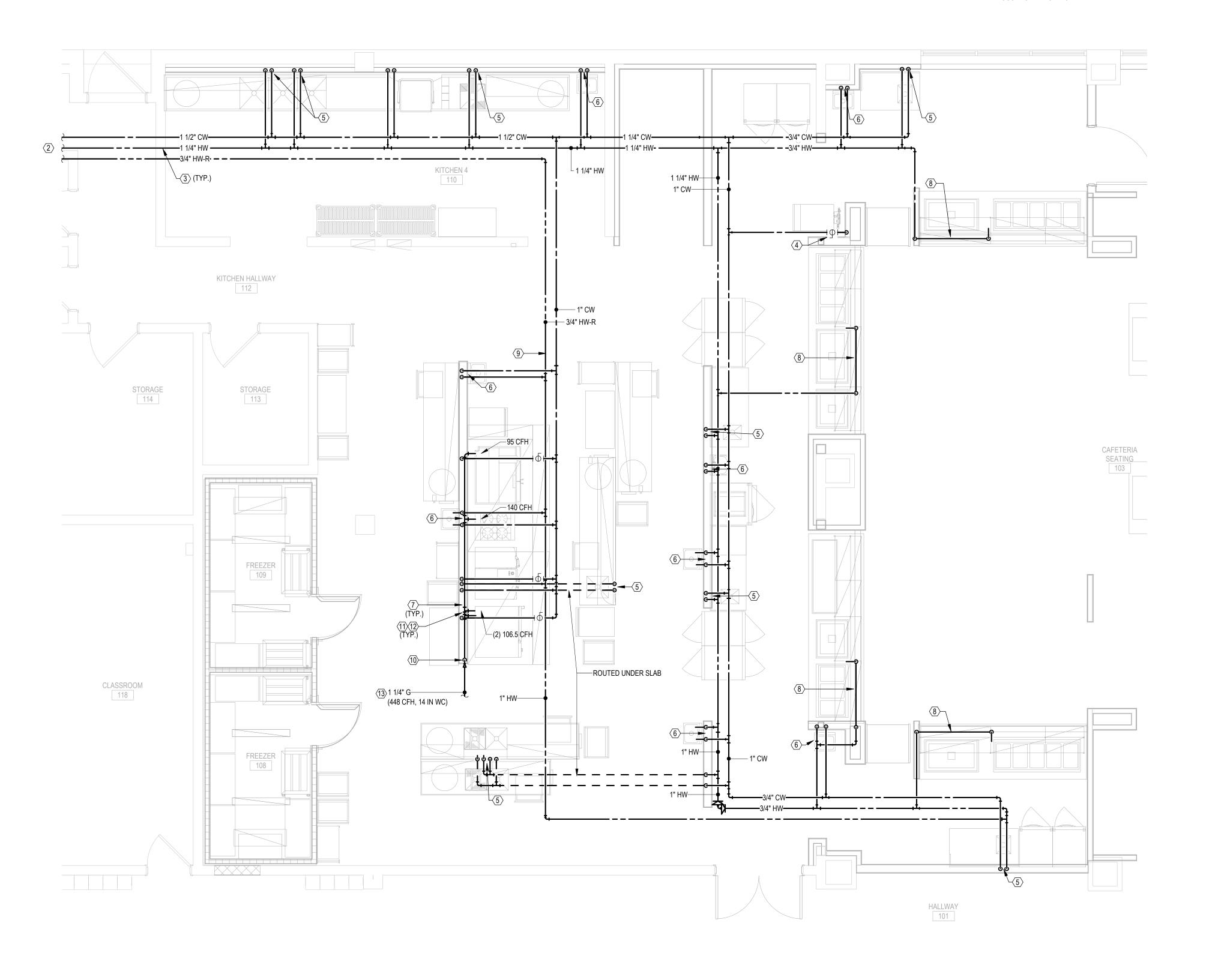
3 INSULATED PIPE AT HANGER DETAIL
P103 1/8" = 1'-0"



2 TRAPEZE PIPE HANGER DETAIL 1/8" = 1'-0"



- 1. LOCATE SHUT-OFF VALVES FOR COMPLETE ACCESSIBILITY. PROVIDE 1/2" BLUE DOT IN CEILING GRID FOR VALVES LOCATED ABOVE CEILING. TYPICAL THROUGHOUT.
- 2. EXTEND NEW 1-1/2" COLD WATER TO NEAREST 1-1/2" OR LARGER COLD WATER MAIN & EXTEND NEW 1-1/4" HOT WATER TO NEAREST 1-1/4" OR LARGER HOT WATER LINE & 3/4 HWR BACK TO WATER HEATER. FIELD VERIFY EXACT TIE-IN LOCATION. PROVIDE UNION AND SHUT-OFF VALVE FULLY ACCESSIBLE AT POINT OF CONNECTION.
- 3. SLEEVE AND SEAL PIPE PASSING THROUGH MASONRY WALLS, FLOORS, AND SLABS.
- 4. ICE MACHINE AND WATER FILTER BY FOOD SERVICE. PROVIDE SHUT-OFF VALVE AND RUNOUT PIPING AT 48"AFF TO FILTER AND FIXTURE. INSTALL VALE AND FILTER FOR COMPLETE ACCESS. VERIFY EXACT CONNECTION REQUIREMENTS AND LOCATION WITH FOOD SERVICE CONTRACTOR. INSTALL PIPING WITH IN-LINE BACKFLOW PREVENTER WHERE NOT INTEGRAL TO ICE MAKER.
- 5. FOOD SERVICE EQUIPMENT AND FAUCETS PROVIDED AND INSTALLED BY FOOD SERVICE CONSULTANT. PLUMBING CONTRACTOR SHALL PROVIDE SHUT-OFF VALVES AND RUN OUT PIPING TO FOOD SERVICE FAUCETS. INSTALL PIPING WITH IN-LINE BACKFLOW PREVENTER WHERE NOT INTEGRAL TO FOOD SERVICEEQUIPMENT.
- 6. HAND SINK PROVIDED BY FOOD SERVICE CONTRACTOR TO BE INSTALLED BY PLUMBING CONTRACTOR. PROVIDE THERMOSTATIC MIXING VALVE EQUIVALENT TO WATTS LFUSG-B. PROVIDE RUN-OUT PIPING AND SHUT-OFF VALVES. INSULATE ALL WATER PIPES. LOCATE ROUGH-IN AT 24" AFF.
- 7. DROP WATER COLD WATER IN WALL. ROUTE HORIZONTALLY AT 12" AFF TO SERVE FIXTURES. VERIFY FIXTURE LOCATIONS AND TYPES WITH FOOD SERVICE. ROUTE HORIZONTAL WATER BELOW ANY ELECTRICAL RECEPTACLES OR CONDUITS. INSTALL PIPING WITH IN-LINE BACKFLOW PREVENTER WHERE NOT INTEGRAL TO FOOD SERVICE EQUIPMENT.
- 8. WATER PIPE ROUTED IN WALL AND UNDER MILLWORK TO LOCATION INDICATED. REFERANCE KITCHEN DRAWINGS FOR EXACT LOCATION. LOCATE ROUGH-IN AT 9" AFF. INSTALL PIPING WITH IN-LINE BACKFLOW PREVENTER WHERE NOT INTEGRAL TO FOOD SERVICE EQUIPMENT.
- 9. PROVIDE CIRCUIT SETTING BALANCE VALVE IN HOT WATER RECIRCULATION PIPE.
- 10. INSTALL ELECTRIC GAS VALVE AT 60" AFF AND MANUAL GAS VALVE 72" AFF.
- 11. 2" LOOP STYLE GAS HEADER BEHIND EQUIPMENT. PROVIDE RUNOUTS FULL SIZE OF EQUIPMENT CONNECTIONS. COORDINATE WITH FOOD SERVICE EQUIPMENT.
- 12. PROVIDE UNION, SHUT-OFF VALVE, AND DIRT LEG AT EACH POINT OF CONNECTION TO GAS FIRED APPLIANCE. PROVIDE IDENTIFICATION LABEL FOR VALVES INSIDE WALLS AND ABOVE CEILINGS. PROVIDE 1/2" YELLOW DOT IN CEILING GRID FOR VALVES ABOVE CEILING. TYPICAL.
- 13. EXTEND GAS LINE AND CONNECT TO EXISTING GAS LINE PREVIOUSLY SERVING KITCHEN.



1 KITCHEN - DOMESTIC WATER & GAS PLAN P103 1/4" = 1'-0"



KKT ARCHITECTS, INC.

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CENTRAL HIGH SCHOOL **CAFETERIA REMODEL**

A240040

3101 W. EDISION ST. TULSA, Ok 74127



REV. DATE # DESCRIPTION

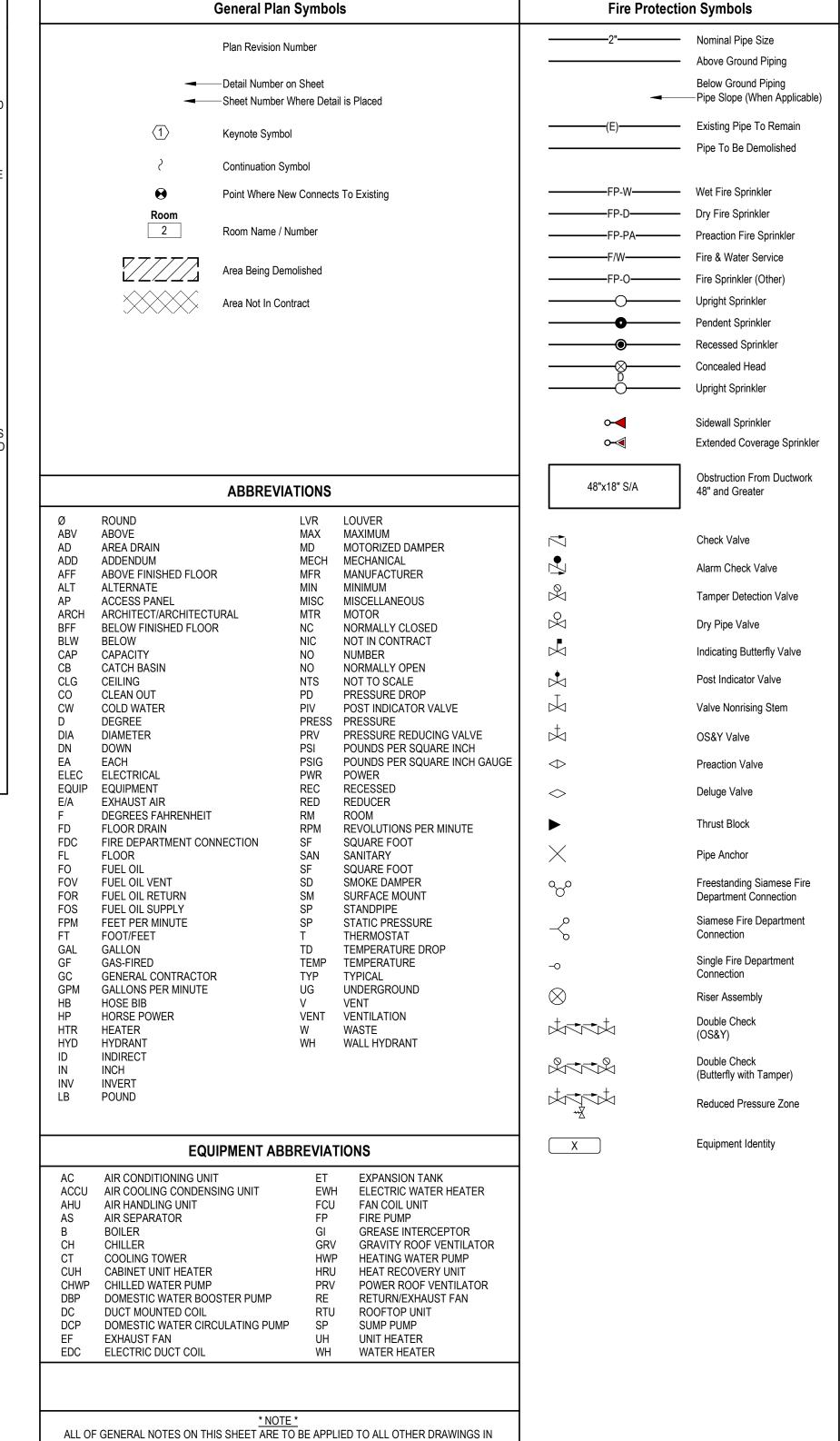
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KITCHEN - DOMESTIC WATER & GAS PLAN

Fire Protection General Notes PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL. THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS. THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK. THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE. DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM. H ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE. AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED. AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER. N SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS. ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS. SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. R THIS DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS. THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS. SUBMIT SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND ALL MATERIALS FOR REVIEW. SUBMIT ALL REQUIRED INFORMATION TO THE LOCAL AUTHORITIES FOR APPROVAL AND PERMITTING.



FP101 1/4" = 1'-0"



THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE



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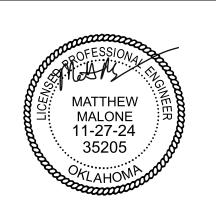
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CAFETERIA - FIRE PROTECTION PLAN

FP101