MARYLAND FOOD BANK

2200 Halethorpe Farms Rd, Baltimore, MD 21227

FOR PERMIT 11/30/2020

GENERAL NOTES

THESE NOTES APPLY TO ALL WORK; TO ALL DRAWINGS AND SPECIFICATIONS IN THIS SET; AND TO ALL CHANGES, ADJUSTMENTS & MODIFICATIONS MADE THROUGHOUT THE COURSE OF THE

ABBREVIATIONS ARE REFERENCED FROM THE CONSTRUCTION SPECIFICATION INSTITUTE'S UNIFORM DRAWING SYSTEM TERMS AND ABBREVIATIONS MODULE.

CONTRACTOR MUST VERIFY IN FIELD ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK. CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS PRIOR TO COMMENCING

DRAWINGS DO NOT SCALE AND MUST NOT BE SCALED. USE GIVEN DIMENSIONS ONLY. DETAILS GOVERN OVER PLANS, ELEVATIONS & SECTIONS; LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND/OR CONFLICTS PRIOR TO COMMENCING WORK.

COORDINATE ALL WORK WITH OWNER'S ENVIRONMENTAL REPORT. LIMIT AND SCOPE OF HAZARDOUS MATERIAL REMEDIATION IS NOT DEFINED IN CONTRACT DOCUMENTS. ANY AND ALL WORK RELATED TO HAZARDOUS MATERIALS IS EXPLICITLY EXCLUDED FROM ARCHITECTURAL

ALL DIMENSIONS ARE TO FINISHED FACE/SURFACE UNLESS NOTED OTHERWISE.

CONTRACTOR MUST PAY FOR AND OBTAIN ALL LEGALLY-REQUIRED PERMITS BEFORE COMMENCING WORK, AND MUST OBTAIN ALL LEGALLY-REQUIRED APPROVALS UPON COMPLETION. CONTRACTOR MUST CARRY ALL LEGALLY-REQUIRED INSURANCES AND MUST SUBMIT EVIDENCE

THE WORK OF ALL TRADES MUST BE COORDINATED BY THE CONTRACTOR.

ALL WORK MUST BE PERFORMED BY SKILLED AND PROPERLY-QUALIFIED TRADESPEOPLE AND MUST BE CARRIED OUT IN ACCORDANCE WITH THE HIGHEST TRADE STANDARDS AND INDUSTRY BEST-PRACTICES AND ALL GOVERNING LAWS, REGULATIONS & STANDARDS.

ALL MATERIALS, COMPONENTS, EQUIPMENT ETC. MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

CONTRACTOR MUST PROVIDE ALL LABOR, MATERIALS AND RESOURCES (EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE) NECESSARY FOR A COMPLETE JOB WHETHER OR NOT EXPLICITLY NOTED IN THE CONTRACT DOCUMENTS.

CONTRACTOR MUST PROTECT AND SECURE THE SITE AND ALL WORK AGAINST DAMAGE, FIRE, THEFT, VANDALISM, AND ALL OTHER DETRIMENTAL CIRCUMSTANCES FOR THE ENTIRE DURATION

CONTRACTOR MUST KEEP SITE CLEAN AND FREE OF DEBRIS AT ALL TIMES.

CONTRACTOR MUST FACILITATE ACCESS FOR THE OWNER AND CONSULTANTS TO VIEW THE WORK

CONTRACTOR MUST COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, CODES, AND OTHER REQUIREMENTS GOVERNING WORK PERFORMED AND THE MANNER IN WHICH WORK IS

CONTRACTOR MUST PROTECT ALL EXISTING PROPERTY ADJACENT TO THE WORK FROM DAMAGE CAUSED BY ANY ACTIVITY RELATING TO PERFORMANCE OF THE WORK. CONTRACTOR MUST REINSTATE ANY DAMAGE CAUSED TO SUCH PROPERTY AT CONTRACTOR'S OWN EXPENSE.

CONTRACTOR MUST AT ALL TIMES MAINTAIN A CURRENT HARD-COPY SET OF THE CONTRACT DOCUMENTS (INCLUDING ALL CHANGE ORDERS, SUPPLEMENTAL INSTRUCTIONS, CONSTRUCTION CHANGE DIRECTIVES, AND OTHER CONTRACT MODIFICATIONS) ON SITE AND IN A LOCATION THAT CAN BE VIEWED BY THE OWNER, CONSULTANT TEAM, AUTHORITY HAVING JURISDICTION, AND ALL OTHER RELEVANT PARTIES. PRIOR TO COMMENCING ANY PORTION OF THE WORK, CONTRACTOR MUST CONFIRM THAT THE PROPOSED WORK CONFORMS WITH THE REQUIREMENTS OF THE MOST CURRENT DOCUMENTS.

ALL WORK RELATED TO THE STAGING, CONSTRUCTION PRACTICES, AND SAFETY OF ALL ASPECTS OF THE PROJECT SHALL BE CONSIDERED MEANS AND METHODS OF CONSTRUCTION AND SHALL BE COMPLETED BY THE CONTRACTOR IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICES AND ALL APPLICABLE CODES, STANDARDS, LEGISLATION, AND REGULATIONS. MEANS AND METHODS ARE EXPLICITLY EXCLUDED FROM THE CONTRACT DOCUMENTS. VISITS TO THE SITE MADE BY THE ARCHITECT AND CONSULTANTS ARE FOR OBSERVATION OF THE WORK FOR GENERAL CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS AND EXPLICITLY EXCLUDE REVIEW OF CONTRACTOR RESPONSIBILITIES, INCLUDING BUT NOT LIMITED TO PROJECT SAFETY AND MEANS AND METHODS OF CONSTRUCTION. CONSTRUCTION OBSERVATION CARRIED OUT BY THE ARCHITECT AND CONSULTANTS EXPLICITLY MUST NOT BE CONSIDERED AS AN INSPECTION, AND EXPLICITLY MUST NOT BE CONSIDERED AS CONSTRUCTION SUPERVISION OR MANAGEMENT IN ANY FORM.

CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS TO THE CONSTRUCTION SITE AT ALL TIMES. SNOW, MUD, DEBRIS, UNSUITABLE DRIVING SURFACES, LOCKED GATES, AND OTHER OBSTRUCTIONS SHALL NOT BE ALLOWED TO INTERFERE WITH ACCESS TO THE SITE.

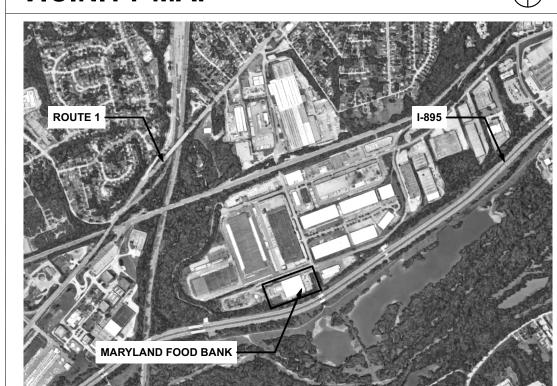
CONTRACTOR SHALL POLICE CONSTRUCTION SITE OF TRASH AND MAINTAIN CONSTRUCTION MATERIAL IN A SECURED FASHION SO AS TO PREVENT THEM FROM BEING BLOWN FROM THE SITE

CONTRACTOR SHALL MAINTAIN SECURITY LIGHTING IN THE AREA OF CONSTRUCTION SO THAT THERE IS ADEQUATE LIGHTING IN ALL PEDESTRIAN AND PARKING AREAS ADJACENT TO THE CONSTRUCTION

DRAWING LIST

SHEET NUMBER	SHEET NAME						
G001	COVER SHEET						
G010	CODE ANALYSIS - OFFICES						
G011	CODE ANALYSIS - KITCHEN						
G014	HEALTH DEPARTMENT NOTES						
A001	ARCHITECTURAL GENERAL NOTES						
A002	ARCHITECTURAL SITE PLAN						
AD101	FIRST FLOOR DEMOLITION PLAN - OFFICE						
AD102	SECOND FLOOR DEMOLITION PLAN - OFFICE						
AD103	FIRST FLOOR DEMOLITION PLAN - KITCHEN						
A101	FIRST FLOOR PLAN - OFFICE						
A102	SECOND FLOOR PLAN - OFFICE						
A103	FIRST FLOOR PLAN - KITCHEN						
A104	ROOF PLAN - KITCHEN						
A105	FIRST AND SECOND FLOOR PLAN - FOOD WORKS ADDITION						
A111	FIRST FLOOR FINISH PLAN - OFFICE						
A112	SECOND FLOOR FINISH PLAN - OFFICE						
A113	FIRST FLOOR FINISH PLAN - KITCHEN						
A114	FIRST AND SECOND FLOOR FINISH PLAN - FOOD WORKS ADDITION						
A115	FINISH SCHEDULE						
A121	FIRST FLOOR REFLECTED CEILING PLAN - OFFICE						
A122	SECOND FLOOR REFLECTED CEILING PLAN - OFFICE						
A123	FIRST FLOOR REFLECTED CEILING PLAN - KITCHEN						
A124	FIRST AND SECOND FLOOR RCP - FOOD WORKS ADDITION						
A200	BUILDING ELEVATIONS						
A211	INTERIOR ELEVATIONS						
A300	BUILDING SECTIONS						
A301	BUILDING SECTIONS						
A310	WALL SECTIONS						
A311	WALL SECTIONS						
A400	ENLARGED VIEWS						
A410	ENLARGED BATHROOMS						
A411	ENLARGED BATHROOMS						
A412	ENLARGED BATHROOMS						
A413	ENLARGED BATHROOMS						
A414	ENLARGED BATHROOMS ENLARGED BATHROOMS						
A421	ENLARGED STAIRS						
A421 A422	ENLARGED STAIRS ENLARGED STAIRS						
A501	EXTERIOR DETAILS						
A521	WINDOW & DOOR DETAILS						
A531	INTERIOR DETAILS						
A601	ASSEMBLY TYPES - WALLS						
A602	ASSEMBLY TYPES - FLOOR, ROOF, AND CEILING						
A610	DOOR SCHEDULE						
A611	WINDOW & STOREFRONT SCHEDULE						
A620	TYPICAL TRANSITIONS AND ACCESSORIES						
S000	STRUCTURAL NOTES						
S001	STRUCTURAL NOTES						
S002	STRUCTURAL NOTES						
S101	FOUNDATION PLAN - OFFICE						
S102	SECOND FLOOR FRAMING PLAN - OFFICE						
S103	FOUNDATION PLAN - KITCHEN & FOODWORKS ADDITION						

VICINITY MAP



SHEET NUMBER	SHEET NAME
S104	SECOND FLOOR AND ROOF FRAMING PLAN - KITCHEN
S301	SECTIONS AND DETAILS - OFFICE
S302	SECTIONS AND DETAILS - OFFICE
S303	SECTIONS AND DETAILS - KITCHEN
S500	TYPICAL DETAILS
S501	TYPICAL DETAILS
S502	TYPICAL DETAILS
M001	LEGEND AND NOTES
MD101	OFFICE AREA HVAC DEMOLITION
MD102	KITCHEN AREA HVAV DEMOLITION
MD103	KITCHEN AREA PLUMBING DEMOLITION
M101	FIRST FLOOR PLAN - OFFICE HVAC
M102	SECOND FLOOR PLAN - OFFICE HVAC
M103	FIRST FLOOR PLAN - KITCHEN HVAC
M104	SECOND FLOOR PLAN - KITCHEN HVAC
M105	ROOF PLAN - OFFICE AREA
M202	SECOND FLOOR PLAN - OFFICE DRAINAGE
M203A	FIRST FLOOR PLAN - KITCHEN DRAINAGE
M203B	FIRST FLOOR PLAN - KITCHEN DRAINAGE
M204	SECOND FLOOR PLAN - KITCHEN DRAINAGE
M302	SECOND FLOOR PLAN - OFFICE PLUMBING SUPPLY
M303A	FIRST FLOOR PLAN - KITCHEN PLUMBING SUPPLY
M303B	FIRST FLOOR PLAN - KITCHEN PLUMBING SUPPLY
M304	KITCHEN WATER SUPPLY REPLACEMENT
M401	SANITARY RISERS
M402	WATER SUPPLY RISERS
M403	GAS SUPPLY RISERS
M501	SCHEDULES
M502	SCHEDULES
M601	HOOD EXHAUST DUCTS
E001	LEGEND AND NOTES
E101	FIRST FLOOR PLAN - OFFICE LIGHTING
E102	SECOND FLOOR PLAN - OFFICE LIGHTING
E103	FIRST & SECOND FLOOR PLAN - KITCHEN LIGHTING
E201	FIRST FLOOR PLAN - OFFICE POWER
E202	SECOND FLOOR PLAN - OFFICE POWER
E203A	FIRST FLOOR PLAN - KITCHEN POWER
E203B	FIRST FLOOR PLAN - KITCHEN POWER
E204	SECOND FLOOR PLAN - KITCHEN POWER
E205	ROOF PLAN - OFFICE AREA
E206	WALK-IN COOLER RELOCATION PLAN
E301	SCHEDULES
E302	SCHEDULES
E303	SCHEDULES
E401	RISER DIAGRAM
F101	FIRST FLOOR PLAN - FIRE PROTECTION
F102	SECOND FLOOR PLAN - FIRE PROTECTION
	KITCHEN EQUIPMENT PLAN (EXISTING)
K-100A	
K-100A K-100B	KITCHEN EQUIPMENT PLAN (EXISTING)
	KITCHEN EQUIPMENT PLAN (EXISTING) KITCHEN EQUIPMENT SCHEDULE (EXISTING)

LOCATION MAP



SHEET NAME KITCHEN EQUIPMENT SCHEDULE **BUILDING CONDITION & VENTILATION PLAN A** K-102A K-102B BUILDING CONDITION & VENTILATION PLAN B K-102C BUILDING CONDITION & VENTILATION SCHEDULE, NOTES AND DETAILS PLUMBING ROUGH-IN PLAN A K-103A K-103B PLUMBING ROUGH -IN PLAN B K-103C PLUMBING SCHEDULE, NOTES AND DETAILS K-104A ELECTRICAL ROUGH-IN PLAN A K-104B ELECTRICAL ROUGH-IN PLAB B K-104C ELECTRICAL SCHEDULE, NOTES AND DETAILS VENTILATOR DETAILS

SYMBOLS

K-502

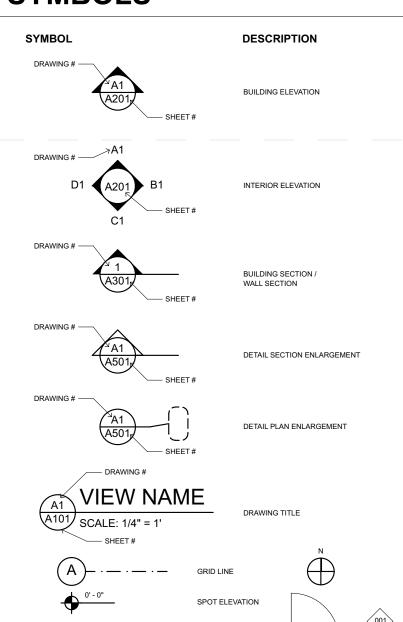
K-503

K-504

K-505

K-506

K-507



VENTILATOR DETAILS

FIRE SYSTEM DETAILS

FIRE SYSTEM DETAILS

VENTILATOR WIRING DIAGRAM

REFRIGERATION SYSTEM (CLEAN ROOM)

REFRIGERATION SYSTEM (BLAST CHILLER/SHOCK FREEZER)

REFRIGERATION SYSTEM (BLAST CHILLER/SHOCK FREEZER)

150 SF

	FINISH, FURNISHING & EQUIPMENT TYPES								
	BA#]	BATHROOM ACCESSORY	RS#	ROLLER SHADE					
	BD#	BUILDING DIRECTORY	RT#	RESILIENT TILE					
2	CP#	CARPET	SC#	SEALED CONCRETE					
6	CT#	CERAMIC TILE	SD#	DIMENSION CHARACTER SIGNAGE					
	EF#	EPOXY FLOOR	SP#	PANEL-TYPE SIGNAGE					
	EW#	ENGINEERED WOOD FLOOR	SS#	SOLID SURFACING					
	EM#	ENTRY MAT SYSTEM	TB#	TILE BASE					
	FC#	FIRE EXTINGUISHER CABINET	TK#	TACK BOARD					
	FE#	FIRE EXTINGUISHER BRACKET	UF#	URETHANE FLOOR					
	FU#	FURNITURE	VB#	VINYL BASE					
	GL#	GLAZING	WB#	WOOD BASE					
	KE#	KITCHEN EQUIPMENT	WF#	WOOD FLOOR					
	LV#	LOUVER / VENT	PT#	PAINT COLOR					
	LVT#	LUXURY VINYL TILE	RB#	RUBBER BASE					
	PC#	STAINED, SEALED & POLISHED CONCRETE	RE#	RESIDENTIAL EQUIPMENT					

PS# PROJECTION SCREEN

NORTH ARROW

DOOR NUMBER /

KEYNOTE (SEE LEGEND

ARREVIATIONS

ABBRI	EVIATIONS		
ABV ACOUS ACT AFF AGGR	ABOVE ACOUSTICAL ACOUSTIC CEILING TILE ABOVE FINISHED FLOOR AGGREGATE	MACH MAS, MSNRY MATL MAX MECH	MACHINE MASONRY MATERIAL MAXIMUM MECHANICAL
AHJ AL, ALUM APPROX ARCH	AUTHORITY HAVING JURISDICTION ALUMINUM APPROXIMATELY ARCHITECT (URAL)	MEP MET MFR	MEMBRANE MECHANICAL / ELECTRICAL / PLUMBING METAL MANUFACTURER
BBT BD BITUM	BIO-BASED RESILIENT TILE BOARD BITUMINOUS	MH MIN MISC MO	MANHOLE MINIMUM, MINUTE MISCELLANEOUS MASONRY OPENING
BLDG BLK BLKG BM	BUILDING BLOCK BLOCKING BEAM	MTD MULL N	MOUNTED MULLION NORTH
BOD BOT BRK BTWN BUR	BASIS OF DESIGN BOTTOM BRICK BETWEEN BUILT-UP ROOF	NA NIC NO NOM NRCA	NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL NATIONAL ROOFING COUNCIL
C&G CEM CEM PLAS	CURB & GUTTER CEMENT CEMENT PLASTER	NTS OA	OF AMERICA NOT TO SCALE
CER CER TILE CL CLG	CERAMIC CERAMIC TILE CENTERLINE CEILING	OC OCC OD OFD	ON CENTER OCCUPANT OUTSIDE DIAMETER OVERFLOW DRAIN
CLJ CLO CLR CMU	CONTROL JOINT CLOSET CLEAR CONCRETE MAS UNIT	OPNG OPP OVHD	OPENING OPPOSITE OVERHEAD
CO COL COMB CONC	CLEANOUT COLUMN COMBINATION CONCRETE	PERF PLAM PLAS PLBG PLYWD	PERFORATED PLASTIC LAMINATE PLASTER PLUMBING PLYWOOD
CONN CONSTR CONT COORD CONTR	CONNECTION CONSTRUCTION CONTINUOUS COORDINATE CONTRACT (OR)	PNL PR PT PTD	PANEL PAIR PRESSURE TREATED PAINTED
CORR CSFH CSK	CORRIDOR COUNT SUNK FLAT HEAD COUNTER SUNK	PTN R RAD	PARTITION RISER RADIUS
DBL DEPT DET DF	DOUBLE DEPARTMENT DETAIL DRINKING FOUNTAIN	RD REF REINF REQD	ROOF DRAIN REFERENCE REINFORCEMENT (ING) REQUIRED
DIA DIM DN DWG	DIAMETER DIMENSION DOWN DRAWING	RESIL RH RM RO	RESILIENT RIGHT HAND ROOM ROUGH OPENING
E EA EL ELEC	EAST EACH ELEVATION ELECTRICAL	S SC SCHED SD	SOUTH SOLID CORE SCHEDULE STORM DRAIN
ELEV EMER ENCL EP	ELEVATOR EMERGENCY ENCLOSURE ELECTRICAL PANEL	SECT SHT SIM SPEC	SECTION SHEET SIMILAR SPECIFICATION
EQ EQUIP ETR EXIST, EX	EQUAL EQUIPMENT EXISTING TO REMAIN EXISTING	SQ SQ FT SSK SST	SQUARE SQUARE FOOT SERVICE SINK STAINLESS STEEL
EXP JT EXT	EXPANSION JOINT EXTERIOR FLAT BAR	STD STFT STL STOR	STANDARD STOREFRONT STEEL STORAGE
FD FDN FEC F EXT FH	FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER FLAT HEAD SCREW	STRUCT SUSP T&G TA	STRUCTURAL SUSPENDED TONGUE & GROOVE TOILET ACCESSORY
FHC FIN FIN FL FLR	FIRE HOSE CABINET FINISH FINISH FLOOR FLOOR (ING)	TC TEL TEMP TERR	TOP OF CURB TELEPHONE TEMPORARY TERRAZZO
FOW FT FTG	FACE OF WALL FEET OR FOOT FOOTING	THK THRES TKBD TP	THICKNESS THRESHOLD TACKBOARD TOP OF PAVEMENT
GA GALV GEN GL	GAGE GALVANIZED GENERAL GLAZING	TS TW TYP	TOP OF STEEL TOP OF WALL TYPICAL
GWB HC HCPD HDW	GYPSUM WALLBOARD HOLLOW CORE HANDICAPPED HARDWARE	UC UNFIN UNO VB	UNDERCUT UNFINISHED UNLESS NOTED OTHERWISE VINYL BASE
HM HORIZ HPT HT	HOLLOW METAL HORIZONTAL HIGH POINT HEIGHT	VCT VERT VEST VT	VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL TILE
ID INSUL INTR	INSIDE DIAMETER INSULATION INTERIOR	VWC W W/	VINYL WALLCOVERING WEST WITH
JAN JT	JANITOR JOINT	WD W/O WTRPRF WDW	WOOD, WIDTH WITHOUT WATERPROOFING WINDOW
KIT KO	KITCHEN KNOCKOUT		

LABORATORY LAMINATE LAVATORY LEFTHAND

LOWPOINT LIGHT

LOUVER

PI.KL

kuo pao lian

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project name:

MARYLAND FOOD BANK

project number:

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BALTIMORE, MD

CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM **INTERIOR DESIGN:** LUUA DESIGN BALTIMORE, MD

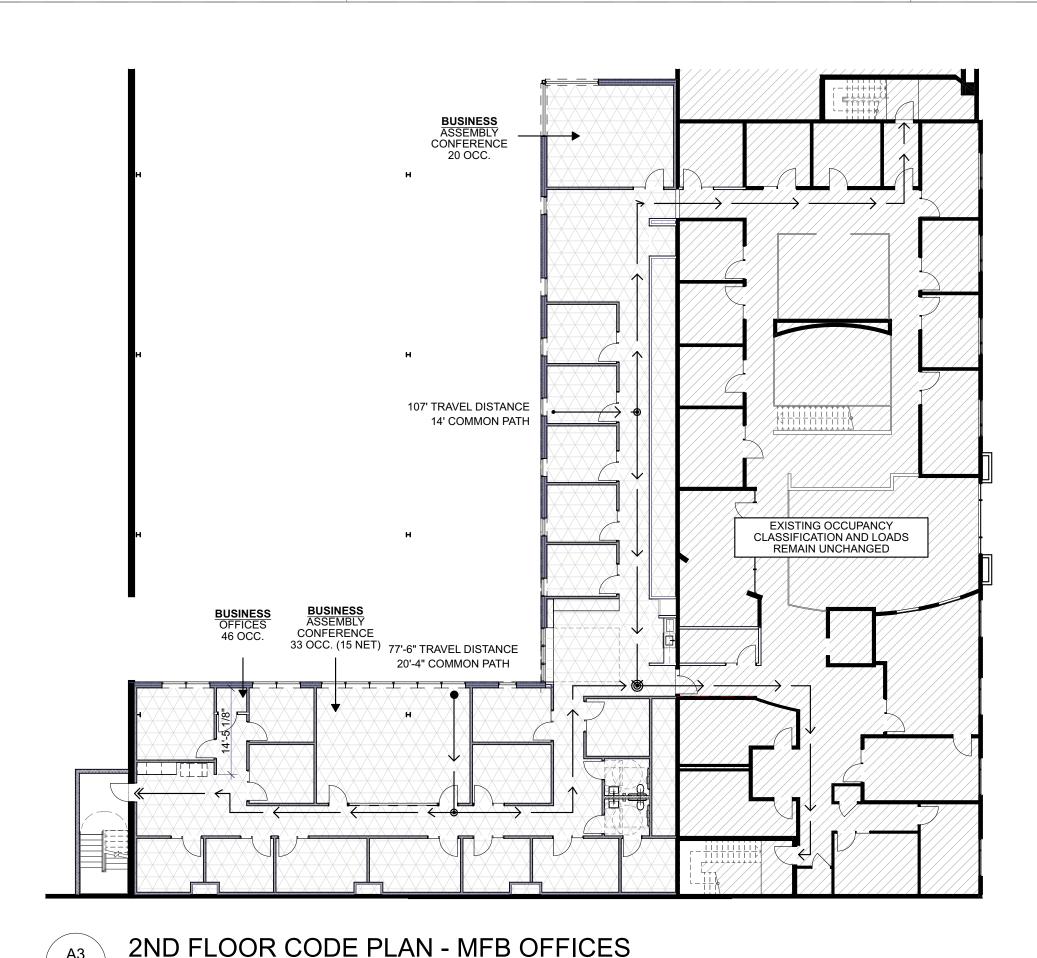
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HAREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18269, EXPIRATION DATE: 11-17-21.

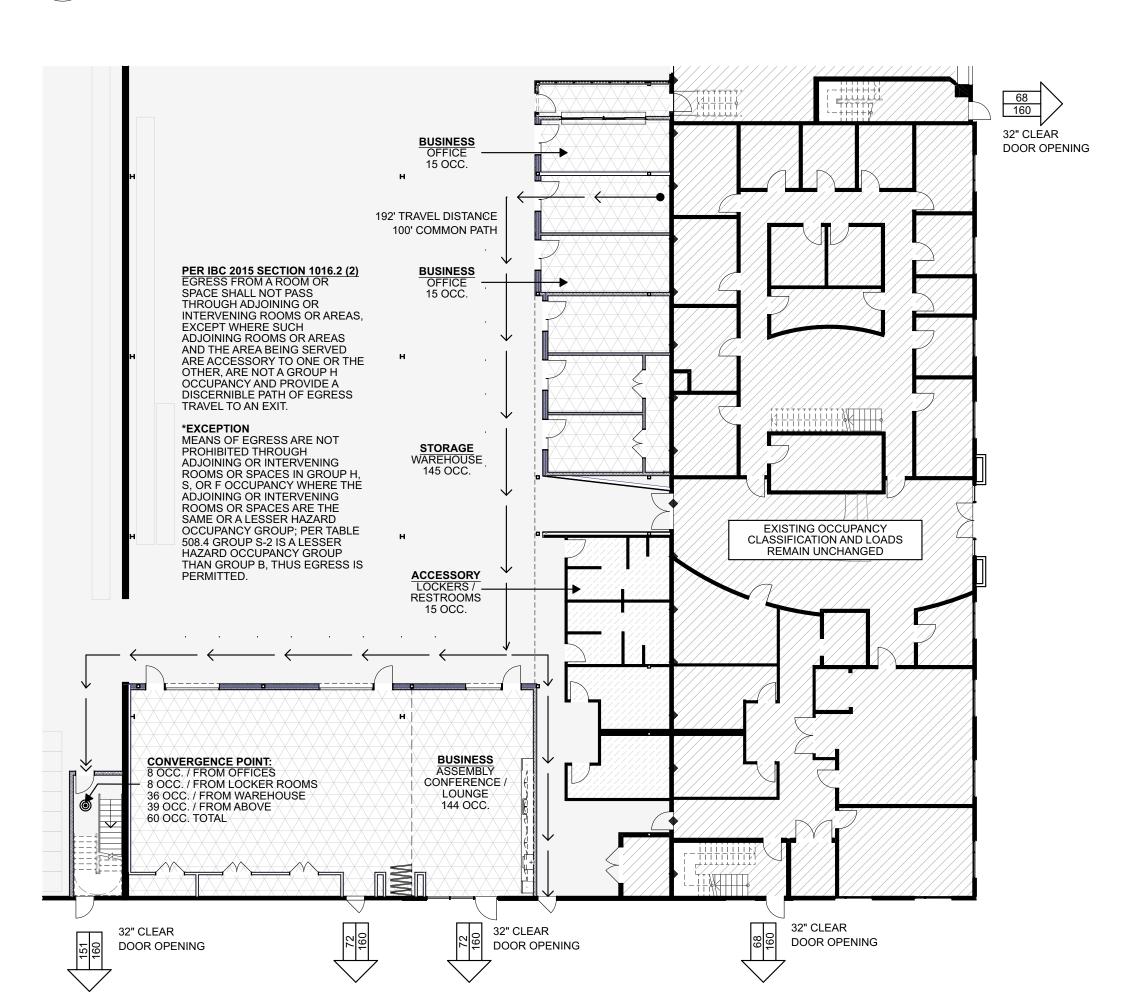
FOR PERMIT

11/30/2020

COVER SHEET



SCALE: 1/16" = 1'-0"



1ST FLOOR CODE PLAN - MFB OFFICES SCALE: 1/16" = 1'-0"

CODE ANALYSIS **AUTHORITIES HAVING JURISDICTION** BALTIMORE COUNTY APPLICABLE CODES (EFFECTIVE AS OF 12/01/2015) BUILDING, FIRE, AND RELATED CODES OF BALTIMORE COUNTY 2015 EDITION INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS 2015 (IBC) NATIONAL ELECTRIC CODE WITH LOCAL AMENDMENTS 2017 (NEC) INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS 2015 (IMC) INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS 2015 (IFGC) INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS 2015 (IPC) NTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS 2015 (IFC) INTERNATIONAL ENERGY CONSERVATION CODE WITH LOCAL AMENDMENTS 2015 (IECC) INTERNATIONAL GREEN CONSTRUCTION CODE WITH LOCAL AMENDMENTS 2015 (IGCC) INTERNATIONAL PROPERTY MAINTENANCE CODE WITH LOCAL AMENDMENTS 2015 (IPMC) AMERICANS W/ DISABILITIES ACT - ADA STANDARDS FOR ACCESSIBLE DESIGN 2010 (ADA) FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM - IBC 903.1 SPRINKLER STANDARDS - NFPA 13 2016 FIRE ALARM CODE - NFPA 72 2016 NFPA 13 SPRINKLER SYSTEM THROUGHOUT A) IBC 905.3.1 (HEIGHT) - BUILDING HEIGHT DOES NOT FALL WITHIN PARAMETERS REQUIRING STANDPIPE
B) IBC 905.3.2 (GROUP A) - OCCUPANCY DOES NOT FALL WITHIN PARAMETERS REQUIRING STANDPIPE PORTABLE FIRE EXTINGUISHERS PER NFPA 10 AND PER FIRE MARSHALL'S REQ. USE GROUP / OCCUPANCY CLASSIFICATION & CONSTRUCTION TYPE CONSTRUCTION TYPE (IBC TABLE 601): EXISTING BUILDING IS CLASSIFIED AS TYPE II-B CONSTRUCTION. ALL NEW WORK SHALL CONFORM TO THE REQUIREMENTS OF USE GROUP / OCCUPANCY (IBC CHAPTER 3): S-2, B, F-1 ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE (IBC TABLE 504.3): 75' ACTUAL BUILDING HEIGHT ABOVE GRADE PLANE: 16'-0" AND 27'
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (IBC TABLE 504.4): 4 STORIES ACTUAL NUMBER OF STORIES ABOVE GRADE PLANE: 2 STORIES ALLOWABLE AREA (PER IBC 507.5): NOT LIMITED
ACTUAL BUILDING AREA: 116,207 GSF - INCLUDES EXISTING AND NEW SCOPE MEANS OF EGRESS ANALYSIS (BUILDING IS FULLY SPRINKLERED) OCCUPANT LOAD CALCULATION: SEE ITEM G BELOW NUMBER OF EXITS REQUIRED (IBC TABLE 1006.3.1): 2 NUMBER OF EXITS PROVIDED: ≥ 2, SEE PLAN FOR LOCATION AND QUANTITY STAIRWAY EGRESS WIDTH (IBC 1005.3.1): 0.3" / OCCUPANT. 44" MIN (IBC 1011.2) FOR CALCULATED OCCUPANT LOAD: 48" TOTAL (BASED ON WORST CASE INDIVIDUAL FLOOR) EGRESS WIDTH PROVIDED AT STAIRS: >48" TOTAL, 44" MIN AT EACH STAIR DOOR EGRESS WIDTH (IBC 1005.2): 0.2" / OCCUPANT. 32" MINIMUM (IBC 1010.1.1 EGRESS WIDTH PROVIDED AT DOÓRS: MIN 32", SEE PLAN FOR DISTRIBUTION & CAPACITY CORRIDOR EGRESS WIDTH (IBC TABLE 1020.2): 0.2" / OCCUPANT. 44" MIN. EGRESS WIDTH PROVIDED AT CORRIDORS: MIN 44", SEE PLAN FOR DISTRIBUTION & CAPACITY MAXIMUM ALLOWABLE EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2): F-1: 250' B: 300' S-2: 400' MAXIMUM EXIT ACCESS TRAVEL DISTANCE PROVIDED: F-1: 123 B: 216' S-2: N/A

MAXIMUM ALLOWABLE DEAD END CORRIDOR (IBC SECTION 1020.4):
F-1: 50' B: 50' S-2: 50' MAXIMUM DEAD END CORRIDOR PROVIDED: F-1: N/A B: 14'-5" S-2: N/A MAXIMUM ALLOWABLE COMMON PATH OF EGRESS: (IBC TABLE 1006.2.1): F-1: 100 B: 100 S-2: 10 MAXIMUM COMMON PATH OF EGRESS PROVIDED: F-1: 90 B: 100 FIRE RESISTANCE RATINGS: CORRIDORS (IBC TABLE 1020.1): 0 HRS WITH SPRINKLER SYSTEM OCCUPANCY SEPARATIONS (IBC TABLE 508.4): NO SEPARATION REQUIRED HORIZONTAL SEPARATIONS (IBC 711.2.4): N/A FIRE BARRIERS (IBC SECTION 707): SHAFT ENCLOSURES (IBC 713.4): ####
VERTICAL EXIT ENCLOSURES (IBC 1023.4): ####
BUILDING ELEMENTS (IBC TABLE 601) (SEE D.1 FOR CONST. TYPE & D.2 FOR OCC.): PRIMARY STRUCTURAL FRAME: 0 HR BEARING WALLS (EXTERIOR): BEARING WALLS (INTERIOR): NONBEARING WALS AND PARTITIONS (EXTERIOR) (IBC TABLE 602): 0 HR (FIRE SEPARATION DISTANCE > 30 FEET) NONBEARING WALLS AND PARTITIONS (INTERIOR) 0 HR FLOOR CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS (IBC 202): ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS (IBC 202): UNPROTECTED OPENINGS (IBC TABLE 705.8): NO LIMIT (FIRE SEPARATION DISTANCE > 30 FEET) OCCUPANCY CALCULATIONS (IBC TABLE 1004.1.2) LOCATION FUNCTION LOAD FACTOR 2ND FLOOR (1 EXIT) 300 GROSS 50 NET 211 GSF 714 NSF ACCESSORY (B) COMPUTER LAB VOCATIONAL (B) 15 NET 271 NSF CONFERENCE ROOM ASSEMBLY (B) 33 SUBTOTAL 2ND FLOOR (2 EXITS) BUSINESS (B CONFERENCE ROOMS 873 NSF ASSEMBLY(B) 113 SUBTOTAL **1ST FLOOR** KITCHEN (F-1) 200 GROSS 6,548 GSF 200 GROSS 200 GROSS 50 GROSS 4,515 GSF 72,163 GSF BUSINESS (B) STORAGE (S-2) WAREHOUSE LOCKERS ACCESSORY (B 1,460 GSF 20 NET CLASSROOM EDUCATIONAL (B 540 NSF 279 SUBTOTAL **EXISTING OFFICES** BUSINESS (B) 100 GROSS 8,696 GSF 87 SUBTOTAL **TOTAL OCCUPANTS: 512 IECC 2015** MINIMUM R-VALUE REQUIREMENTS FOR OPAQUE THERMAL ENVELOPE BUILDING IS COMMERCIAL PER IECC CH.2, THEREFORE IECC TABLE C402.1.3 APPLIES. MASS WALLS ABOVE GRADE: METAL FRAMED WALLS ABOVE GRADE: R-13 + R-7.5ci R-13 + R-3.8ci, OR R-20 WOOD FRAMED WALLS ABOVE GRADE: BELOW-GRADE WALLS: R-7.5ci MASS FLOORS R-10.4ci FRAMED FLOORS UNHEATED SLAB ON GRADE FLOORS: R-10 FOR 24" BELOW OPAQUE NONSWINGING DOORS: MAXIMUM FENESTRATION U-FACTOR & SHGC REQUIREMENTS BUILDING IS COMMERCIAL PER IECC CH.2, THEREFORE IECC TABLE C402.4 APPLIES. MAXIMUM U-FACTORS: FIXED FENESTRATION: 0.38 Btu/h ft2 °F OPERABLE FENESTRATION: 0.45 Btu/h ft2 °F ENTRANCE DOORS: 0.77 Btu/h ft2 oF SKYLIGHTS: 0.50 Btu/h ft2 °F MAXIMUM SOLAR HEAT GAIN COEFFICIENTS: SEW ORIENTATION, PF < 0.2: SEW ORIENTATION, $0.2 \le PF < 0.5$: SEW ORIENTATION, PF ≥ 0.5: N ORIENTATION, PF < 0.2: 0.53 N ORIENTATION, $0.2 \le PF < 0.5$: N ORIENTATION, PF ≥ 0.5: SKYLIGHTS: 0.40 IPC 2015 K MINIMUM PLUMBING FIXTURES REQUIRED
OCCUPANT COUNTS PER SECTION G ABOVE. MINIMUM FIXTURES REQUIRED PER IPC TABLE 403.1: EXISTING WAREHOUSE WATER CLOSETS: 2/UNIT REQUIRED, MIN 2/UNIT PROVIDED LAVATORIES: 2/UNIT REQUIRED, MIN 2/UNIT PROVIDED BATHTUBS/SHOWERS: N/A DRINKING FOUNTAIN: 1/UNIT REQUIRED, MIN 1/UNIT PROVIDED BUSINESS: B EXISTING AND NEW OFFICE SPACE WATER CLOSETS: 5/UNIT REQUIRED, MIN 5/UNIT PROVIDED LAVATORIES: 4/UNIT REQUIRED, MIN 4/UNIT PROVIDED BATHTUBS/SHOWERS: N/A DRINKING FOUNTAIN: 4/UNIT REQUIRED, MIN 4/UNIT PROVIDED

COMMERCIAL KITCHEN: F-1 EXISTING AND NEW KITCHEN

> WATER CLOSETS: 1/UNIT REQUIRED, MIN 1/UNIT PROVIDED LAVATORIES: 1/UNIT REQUIRED, MIN 1/UNIT PROVIDED

DRINKING FOUNTAIN: 1/UNIT REQUIRED, MIN 1/UNIT PROVIDED OTHER: SERVICE SINK; 1/UNIT REQUIRED, MIN 1/UNIT PROVIDED

BATHTUBS/SHOWERS: N/A

LEGEND FIRE PROTECTION OCCUPANCY 1 HR RATED CONSTRUCTION STORAGE: S-2 2 HR RATED CONSTRUCTION COMMERCIAL KITCHEN 3 HR RATED CONSTRUCTION BUSINESS 4 HR RATED CONSTRUCTION ACCESSORY PORTABLE FIRE EXTINGUISHER EXISTING TO REMAIN PER NFPA 10, ON WALL BRACKET MAX 48" AFF NOT IN CONTRACT / SCOPE PORTABLE FIRE EXTINGUISHER PER NFPA 10, IN SURFACE-MOUNTED CABINET, MAX 48" AFF **EGRESS** \longrightarrow \longrightarrow \longrightarrow EGRESS ROUTE / START POINT / DIRECTION EGRESS ROUTE / DECISION POINT **KEY PLAN** SCALE: 1" =100'

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project name:

project number:

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FOOD SERVICE DESIGN:

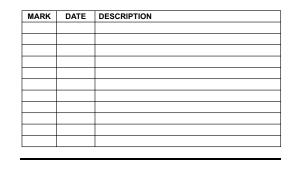
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HAREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18269, EXPIRATION DATE: 11-17-21.

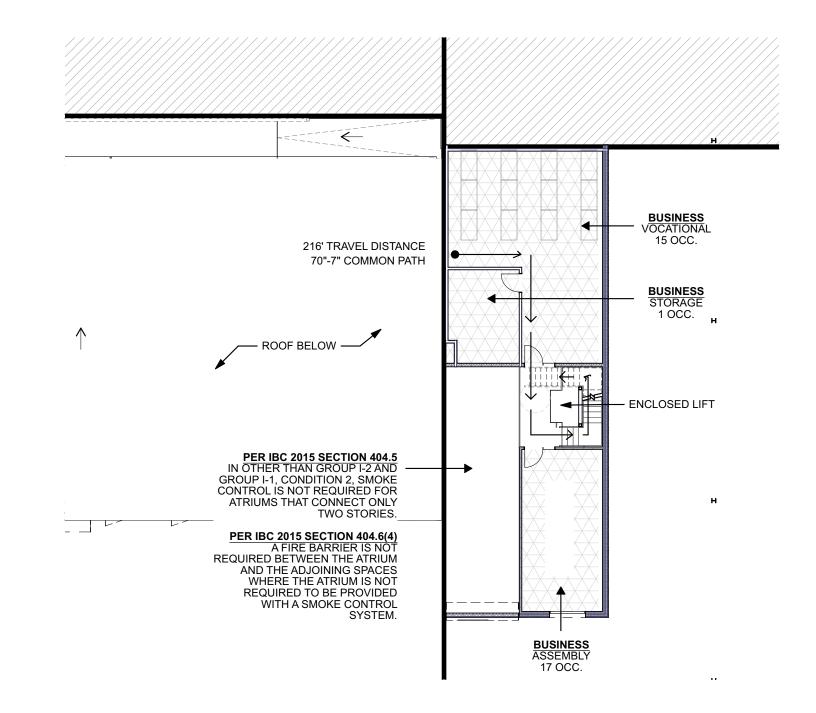
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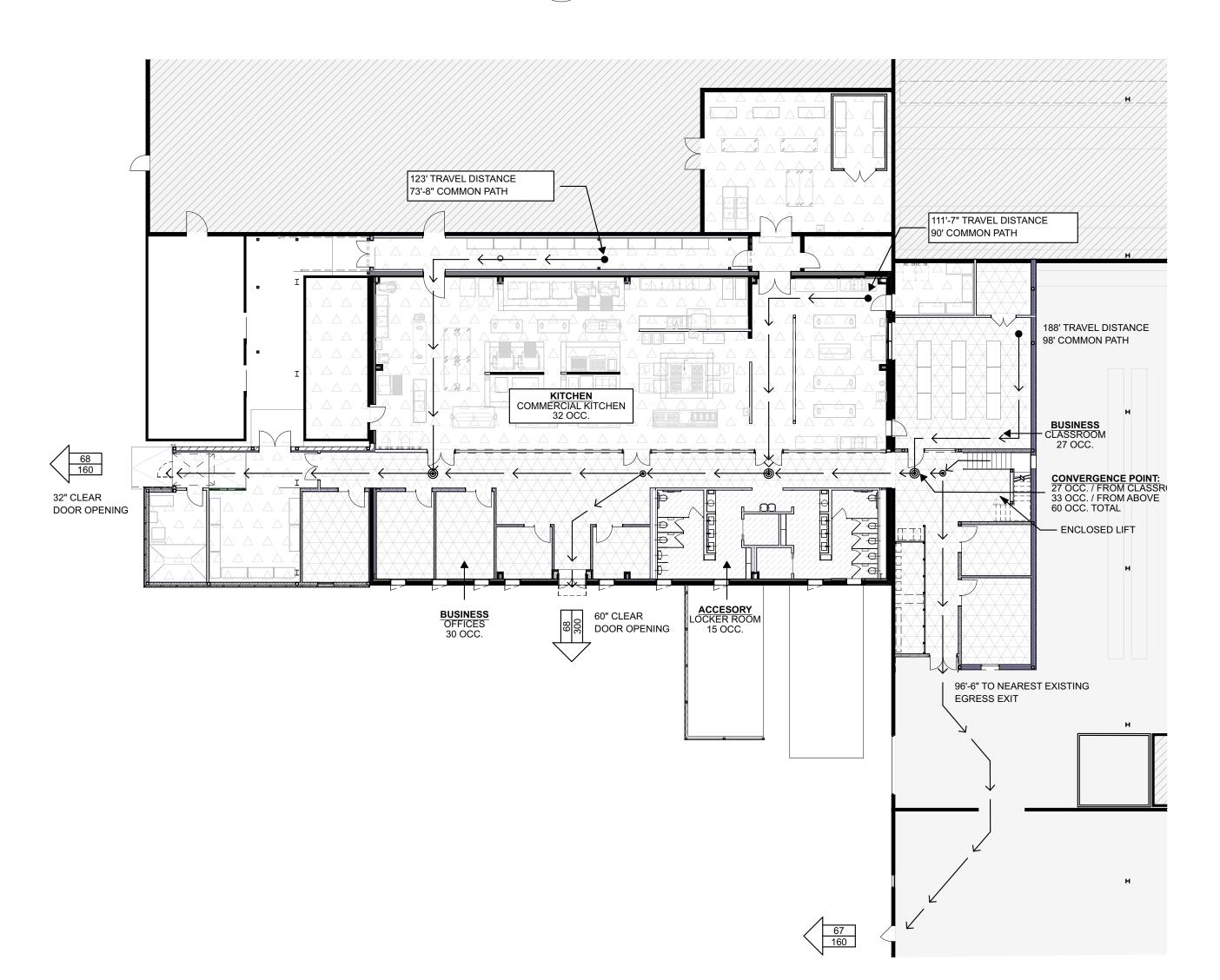


CODE ANALYSIS -OFFICES



B3 2ND FLOOR CODE PLAN - FW KITCHEN AND OFFICES

SCALE: 1/16" = 1'-0"



A1 1ST FLOOR CODE PLAN - FW KITCHEN AND OFFICES

SCALE: 1/16" = 1'-0"

LEGEND **CODE ANALYSIS** FIRE PROTECTION **AUTHORITIES HAVING JURISDICTION** BALTIMORE COUNTY APPLICABLE CODES (EFFECTIVE AS OF 12/01/2015) BUILDING, FIRE, AND RELATED CODES OF BALTIMORE COUNTY 2015 EDITION INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS 2015 (IBC) NATIONAL ELECTRIC CODE WITH LOCAL AMENDMENTS 2017 (NEC) INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS 2015 (IMC) INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS 2015 (IFGC) INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS 2015 (IPC) NTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS 2015 (IFC) NTERNATIONAL ENERGY CONSERVATION CODE WITH LOCAL AMENDMENTS 2015 (IECC) INTERNATIONAL GREEN CONSTRUCTION CODE WITH LOCAL AMENDMENTS 2015 (IGCC) INTERNATIONAL PROPERTY MAINTENANCE CODE WITH LOCAL AMENDMENTS 2015 (IPMC) AMERICANS W/ DISABILITIES ACT - ADA STANDARDS FOR ACCESSIBLE DESIGN 2010 (ADA) FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM - IBC 903.1 MAX 48" AFF SPRINKLER STANDARDS - NFPA 13 2016 FIRE ALARM CODE - NFPA 72 2016 NFPA 13 SPRINKLER SYSTEM THROUGHOUT A) IBC 905.3.1 (HEIGHT) - BUILDING HEIGHT DOES NOT FALL WITHIN PARAMETERS REQUIRING STANDPIPE
B) IBC 905.3.2 (GROUP A) - OCCUPANCY DOES NOT FALL WITHIN PARAMETERS REQUIRING STANDPIPE PORTABLE FIRE EXTINGUISHERS PER NFPA 10 AND PER FIRE MARSHALL'S REQ. USE GROUP / OCCUPANCY CLASSIFICATION & CONSTRUCTION TYPE **EGRESS** CONSTRUCTION TYPE (IBC TABLE 601): EXISTING BUILDING IS CLASSIFIED AS TYPE II-B CONSTRUCTION. ALL NEW WORK SHALL CONFORM TO THE REQUIREMENTS OF USE GROUP / OCCUPANCY (IBC CHAPTER 3): S-2, B, F-1 ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE (IBC TABLE 504.3): 75' ACTUAL BUILDING HEIGHT ABOVE GRADE PLANE: 16'-0" AND 27'
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (IBC TABLE 504.4): 4 STORIES ACTUAL NUMBER OF STORIES ABOVE GRADE PLANE: 2 STORIES ALLOWABLE AREA (PER IBC 507.5): NOT LIMITED
ACTUAL BUILDING AREA: 116,207 GSF - INCLUDES EXISTING AND NEW SCOPE MEANS OF EGRESS ANALYSIS (BUILDING IS FULLY SPRINKLERED) OCCUPANT LOAD CALCULATION: SEE ITEM G BELOW NUMBER OF EXITS REQUIRED (IBC TABLE 1006.3.1): 2 NUMBER OF EXITS PROVIDED: ≥ 2, SEE PLAN FOR LOCATION AND QUANTITY STAIRWAY EGRESS WIDTH (IBC 1005.3.1): 0.3" / OCCUPANT. 44" MIN (IBC 1011.2) FOR CALCULATED OCCUPANT LOAD: 48" TOTAL (BASED ON WORST CASE INDIVIDUAL FLOOR) EGRESS WIDTH PROVIDED AT STAIRS: >48" TOTAL, 44" MIN AT EACH STAIR DOOR EGRESS WIDTH (IBC 1005.2): 0.2" / OCCUPANT. 32" MINIMUM (IBC 1010.1.1 EGRESS WIDTH PROVIDED AT DOÓRS: MIN 32", SEE PLAN FOR DISTRIBUTION & CAPACITY CORRIDOR EGRESS WIDTH (IBC TABLE 1020.2): 0.2" / OCCUPANT. 44" MIN. EGRESS WIDTH PROVIDED AT CORRIDORS: MIN 44", SEE PLAN FOR DISTRIBUTION & CAPACITY MAXIMUM ALLOWABLE EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2): F-1: 250' B: 300' S-2: 400' MAXIMUM EXIT ACCESS TRAVEL DISTANCE PROVIDED: F-1: 123 B: 216' S-2: N/A

MAXIMUM ALLOWABLE DEAD END CORRIDOR (IBC SECTION 1020.4):
F-1: 50' B: 50' S-2: 50' MAXIMUM DEAD END CORRIDOR PROVIDED: F-1: N/A B: 14'-5" S-2: N/A MAXIMUM ALLOWABLE COMMON PATH OF EGRESS: (IBC TABLE 1006.2.1): F-1: 100 B: 100 S-2: 10 MAXIMUM COMMON PATH OF EGRESS PROVIDED: B: 100

OCCUPANCY 1 HR RATED CONSTRUCTION STORAGE: S-2 2 HR RATED CONSTRUCTION COMMERCIAL KITCHEN 3 HR RATED CONSTRUCTION BUSINESS 4 HR RATED CONSTRUCTION ACCESSORY PORTABLE FIRE EXTINGUISHER EXISTING TO REMAIN PER NFPA 10, ON WALL BRACKET NOT IN CONTRACT / SCOPE PORTABLE FIRE EXTINGUISHER PER NFPA 10, IN SURFACE-MOUNTED CABINET, MAX 48" AFF \longrightarrow \longrightarrow \longrightarrow EGRESS ROUTE / START POINT / DIRECTION EGRESS ROUTE / DECISION POINT

KEY PLAN
SCALE: 1" =100'

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project number:

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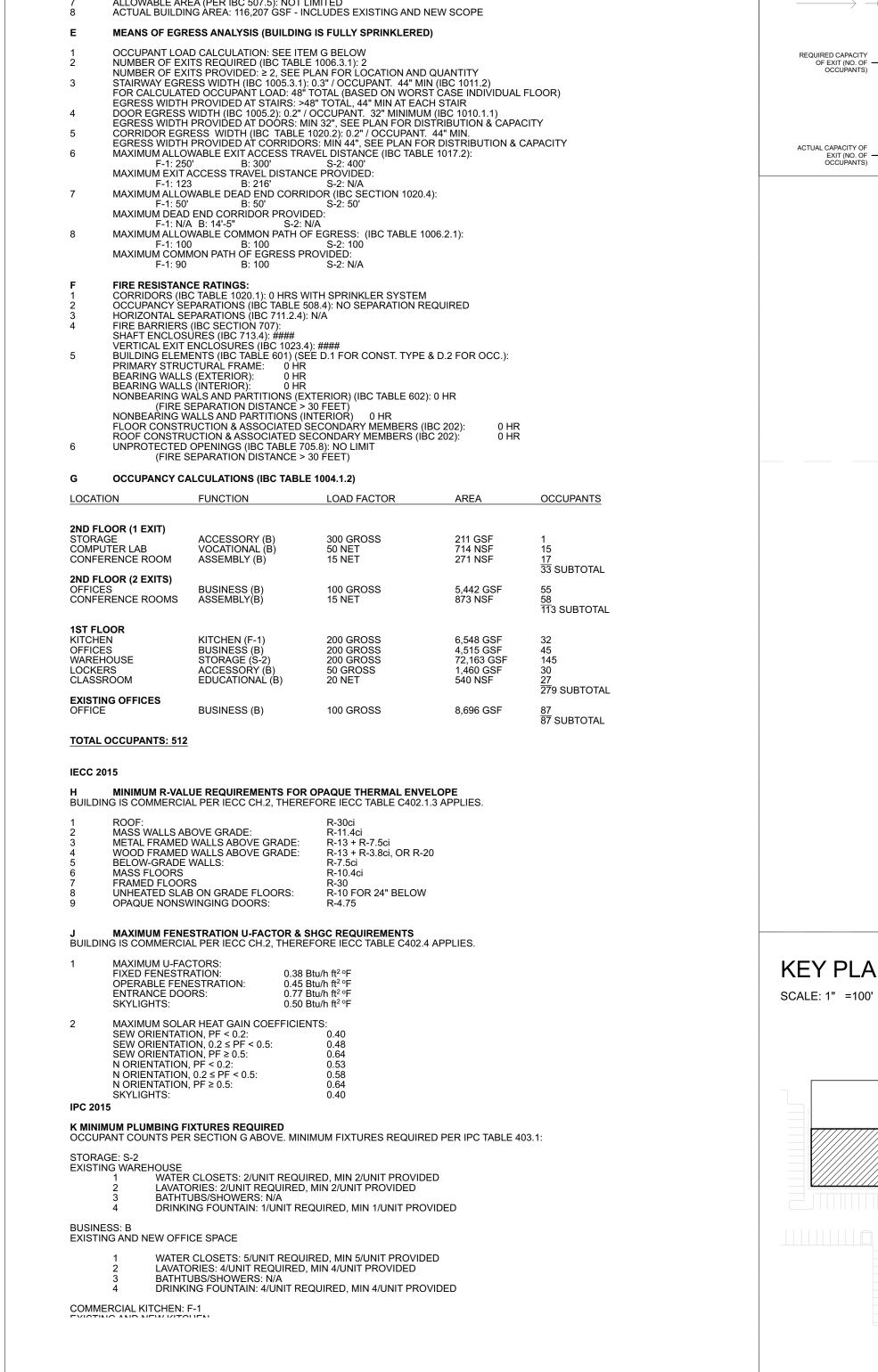
2200 HALETHORPE FARMS RD

11/30/2020

MARK DATE DESCRIPTION

CODE ANALYSIS -KITCHEN

G011



HEALTH DEPARTMENT NOTES

```
PROVIDE MISSING COVERS TO FLOOR DRAINS LOCATED WITHIN FOOD SERVICE
                                                                                                     PROVIDE INDIRECT WASTE PIPING W/ AN AIR GAP TO THE FOLLOWING EQUIPMENT: (COMAR
GENERAL
                                                                                                                                                                                                               FACILITIES (COMAR 10.15.03.21A(2))
                                                                                                     10.15.03.18H(4))
                                                                                                             - FOOD PREPARATION OR UTENSIL WASHING SINK
                                                                                                                                                                                                                       - 3 COMPARTMENT SINK
PROVIDE CERTIFIED FOOD MANAGER WITHIN 90 DAYS AFTER OBTAINING FOOD PERMIT. TITLE
                                                                                                             - REFRIGERATOR COIL
                                                                                                                                                                                                                       - ICE MACHINE
                                                                                                             - ICE MAKING MACHINE
                                                                                                                                                                                                                       - OTHER
                                                                                                             - STEAM KETTLE
VERMIN CONTROL
                                                                                                             - COFFEE BREWER
                                                                                                                                                                                                                SEAL ALL HOLES, CRACKS, & CREVICES TO ALL CEILINGS LOCATED INSIDE: (COMAR
ELIMINATE INSECT INFESTATION (COMAR 10.15.03.20)
                                                                                                             - STEAM TABLE
                                                                                                                                                                                                                10.15.03.20(1)(A)(B))
        INTERIOR
                                                                                                             - POTATO PÉELER
                                                                                                                                                                                                                       - BATHROOM
         ROACH
                                                                                                                                                                                                                       - FOOD PREPARATION AREA

    WARE WASHING MACHINE

                                                                                                             - OTHER
                                                                                                                                                                                                                        - DINING ROOM
        - ANTS
                                                                                                                                                                                                                        GARBAGE DISPOSAL ROOM
        - WEEVIL
                                                                                                     REPAIR / REPLACE DISHWASHER LOCATED INSIDE UTENSIL WASHING AREA & ENSURE DISH
        - OTHER
                                                                                                     WASHER IS OPERATING ACCORDING TO MANUFACTURE'S SPECIFICATION (COMAR
                                                                                                                                                                                                               SEAL ALL HOLES, CRACKS, & CREVICES TO ALL WALLS LOCATED INSIDE: (COMAR
       EXTERIOR
                                                                                                                                                                                                               10.15.03.20(1)(A)(B))
        - ROACH
                                                                                                     PROVIDE APPROPRIATE WASH & FINAL RINSE TEMPERATURE FOR DISHWASHING MACHINES:
                                                                                                                                                                                                                       - BATHROOM
        - FLY
                                                                                                                                                                                                                       - FOOD PREPARATION AREA
                                                                                                     (COMAR 10.16.03.16H(A)(B)(C)
        - ANTS
                                                                                                             - 120 FAHRENHEIT TEMPERATURE FOR MACHINES

    DINING ROOM

        - OTHER
                                                                                                             USING CHEMICAL SANITIZATION
                                                                                                                                                                                                                        GARBAGE DISPOSAL AREA
                                                                                                              160 DEGREE FAHRENHEIT TEMPERATURE FOR
ELIMINATE RODENT INFESTATION (COMAR 10.15.03.20)
                                                                                                             SINGLE TANK CONVEYOR SYSTEMS
        INTERIOR
                                                                                                             - 150 DEGREE FAHRENHEIT TEMPERATURE FOR
                                                                                                                                                                                                               SEAL ALL HOLES, CRACKS, & CREVICES TO ALL FLOORS LOCATED INSIDE: (COMAR
         MICE
                                                                                                             OTHER MACHINES
                                                                                                                                                                                                               10.15.03.20(1)(A)(B))
                                                                                                             - 180 DEGREE FAHRENHEIT AT THE ENTRANCE OF
                                                                                                                                                                                                                        - BATHRÓOM
        - OTHER
                                                                                                             THE MANIFOLD
                                                                                                                                                                                                                       - FOOD PREPARATION AREA
                                                                                                             160 DEGREE FAHRENHEIT WHEN A PUMP RINSE IS
                                                                                                                                                                                                                        - DINING ROOM
       EXTERIOR
                                                                                                                                                                                                                        GARBAGE DISPOSAL AREA
        - MICE
                                                                                                     COMMERCIAL DISHWASHING MACHINE SHALL BE THROUGH AN AIR GAP OR AIR BREAK INTO A
                                                                                                     STAND PIPE OR WASTE RECEPTOR (2015 IPC 802.1.7)
                                                                                                                                                                                                               REMOVE / ELIMINATE ALL CONSTRUCTION DEBRIS FROM THE PREMISES: (COMAR
                                                                                                                                                                                                               10.15.03.23A(1))
PROVIDE / INSTALL EXTERIOR DOORS TO BUSINESS THAT ARE: (COMAR 10.15.03.20C(1)(A)(B))
                                                                                                     PROVIDE / PERMANENTLY AFFIXED DATA PLATE W/ THE MANUFACTURERS SPECIFICATION
                                                                                                                                                                                                                       - INTERIOR
                                                                                                    FOR THE DISHWASHER (COMAR 10.15.03.16H(2))
                                                                                                                                                                                                                       - EXTERIOR
        - SELF CLOSING
        - POSITIVE AIR PRESSURE OR CONTROLLED AIR
                                                                                                     PROVIDE / INSTALL A VENTILATION HOOD OVERTOP OF DISH WASHING TO REMOVE: (COMAR
                                                                                                                                                                                                                REPAIR / REPLACE / PROVIDE BROKEN OR MISSING FLOOR & CEILING TILES: (COMAR
                                                                                                     10.15.03.22J(3))
                                                                                                                                                                                                               10.15.03.21A(1)(2))
                                                                                                            - EXCESSIVE HEAT
                                                                                                                                                                                                                       - FOOD PREPARATION AREA
PROVIDE / INSTALL SCREENING TO ALL EXTERIOR OPENINGS TO BUILDING THAT ARE TIGHT
                                                                                                             - STEAM
                                                                                                                                                                                                                       - DINING ROOM
FITTING AND IN GOOD REPAIR: AND MADE OF MATERIAL THAT IS NOT LESS THAN 16-MESH TO
                                                                                                             - ODORS
                                                                                                                                                                                                                       - BATHROOM
THE INCH OR EQUIVALENT. (COMAR 10.15.03.20)(A)(B)(C))
         WINDOWS
                                                                                                     PROVIDE A WORKING EASILY READABLE THERMOMETER TO MEASURE WATER TEMPERATURE
        - DOORS
                                                                                                                                                                                                                PROVIDE / INSTALL SHIELDED OR SHATTERPROOF LIGHTING IN THE: (COMAR
                                                                                                     W/ AN ACCURACY OF PLUS OR MINUS 2 DEGREES FAHRENHEIT FOR DISHWASHER (COMAR
         SKYLIGHTS
                                                                                                                                                                                                               10.15.03.22C)
        - OTHER
                                                                                                                                                                                                                       - FOOD PREPARATION AREA
                                                                                                     PROVIDE SANITIZER & APPROPRIATE TEST KIT: (COMAR 10.15.03.16L(3))
                                                                                                                                                                                                                        - WARE WASHING AREA
GARBAGE AND RUBBISH DISPOSAL
                                                                                                             - 3 COMPARTMENT SINK
                                                                                                                                                                                                                        - SERVICE AREAS
PROVIDE GREASE BARRELS FOR YOUR FACILITY (COMAR 10.15.03.19E)
                                                                                                             DISHWASHER
                                                                                                                                                                                                                       - COLD WALK-IN BOXES
         LOCATE ON CLEAN SURFACE
         CONCRETE SLAB
                                                                                                     CONTACT MECHANICAL INSPECTION DIVISION AT 410.361.9270 TO DISCUSS THE

    NOT APPLICABLE

                                                                                                     REQUIREMENTS FOR A GREASE INTERCEPTOR (2015 IPC 1003) NOT A VIOLATION
                                                                                                                                                                                                               PROVIDE A MINIMUM OF 20 FOOT CANDLES OF LIGHT INSIDE: (COMAR 10.15.03.22B(A)(B)
PROVIDE PROPER GARBAGE DISPOSAL FOR THE BUSINESS (COMAR 10.15.03.19)(1)(A-D))
                                                                                                    DO NOT CONNECT FOOD WASTE GRINDERS TO A SINK DRAIN W/ INDIRECT PLUMBING THAT IS
                                                                                                                                                                                                                        - WORK AREAS
        - DUMPSTER
                                                                                                     USED FOR FOOD OR UTENSILS WITHIN THE FOOD PREPARATION AREAS (COMAR
                                                                                                                                                                                                                       - FOOD PREPARATION AREAS
         TRASH CONTAINERS
                                                                                                     10.15.03.19C(2))
                                                                                                                                                                                                                       - UTENSIL WASHING AREAS
                - TIGHT FITTING LIDS
                                                                                                                                                                                                                       - TOILET ROOMS
               - DO NOT LEAK OR ABSORB LIQUIDS
                                                                                                     EQUIPMENT & FOOD PROTECTION
                                                                                                                                                                                                                        - GARBAGE AND RUBBISH AREAS
         STORAGE ROOMS (COMAR 10.15.03.19(3)(A)(B))
                                                                                                     PROVIDE SNEEZE GUARDS / PHYSICAL GUARDS WHEN UNCOVERED FOOD IS PLACE ON
                                                                                                                                                                                                                       - OTHER
                                                                                                    DISPLAY IN FOOD OPERATIONS INCLUDING BUFFETS & CAFETERIAS (COMAR 10.15.03.06(A))
CLEAN AND MAINTAIN EXTERIOR FACILITY IN A SANITARY MANNER AT ALL TIMES (COMAR
10.15.23A(1)(2)
                                                                                                     PROVIDE NSF APPROVED EQUIPMENT OR ITS EQUIVALENT TO FOOD SERVICE FACILITY
                                                                                                                                                                                                               PROVIDE SEPARATE MEN'S AND LADIES TOILET FACILITIES TO FOOD SERVICE
                                                                                                    (COMAR 10.15.03.15A(3)(A))
                                                                                                                                                                                                               BUSINESSES THAT HAS AN OCCUPANCY GREATER THAN 15 (2015 IPC 403.3)
MOP SINKS AND SERVICE SINKS
PROVIDE / INSTALL A MOP SINK OR UTILITY SINK TO THE BUSINESS (COMAR 15.03.23 E1)
                                                                                                     MAINTAIN ALL FOOD EQUIPMENT ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS
                                                                                                                                                                                                                PROVIDE / INSTALL HAND WASHING FACILITIES FOR THE RESTROOM W/ A: COMAR
         MIXING FAUCET
                                                                                                     ONCE INSTALLED (COMAR 10.15.03.15A(3)(A))
                                                                                                                                                                                                                10.15.03.18L(2)(A)(B))
        - HOT WATER
                                                                                                                                                                                                                      - MIXING FAUCET
        - COLD WATER
                                                                                                    PROVIDE ADEQUATE SHELVING FOR STORAGE OF DRY GOOD ITEMS INSIDE STORAGE ROOM
                                                                                                                                                                                                                       - HOT WATER
        - ATOMSPHERIC VACUUM BREAKER ON FAUCET
                                                                                                                                                                                                                       - COLD WATER
                                                                                                    ELEVATE ITEMS AT LEAST 6 INCHES ABOVE THE FLOOR (COMAR 10.15.04.13A(1)(B))
DISCONTINUE USING MOP SINK IN A FACILITY AS A: (COMAR 10.15.03.23F)
                                                                                                                                                                                                               PROVIDE / REPAIR & MOUNT SOAP DISPENSER TO WALL ABOVE HAND WASHING SINK
         HAND SINK
                                                                                                     ICE MACHINE REQUIREMENTS
                                                                                                                                                                                                               (COMAR 10.15.03.18K(3))
         UTENSIL WASHING SINK
                                                                                                     PROVIDE / INSTALL BACKFLOW PREVENTER ON ALL APPLIANCES CONNECTED TO CLEAN
         EQUIPMENT WASHING
                                                                                                     WATER SUPPLY LINE (2015 IPC 608.13)
                                                                                                                                                                                                               PROVIDE / REPAIR & MOUNT TOWEL DISPENSER TO WALL ABOVE ALL HAND WASHING
         FOOD PREPARATION SINK
                                                                                                             - ICE MACHINES
                                                                                                                                                                                                               SINKS WITHIN PREMISES (COMAR 10.15.03.18K(4)(A))

    SODA / BEER DISPENSER

PROVIDE WATERPROOF FLOORS & WALLS TO THE SERVICE SINK & MOP AREAS: (2006
                                                                                                                                                                                                                PROVIDE REQUIRED # OF RESTROOMS FOR RESTAURANTS USING TABLE 403.1(2015 IPC
                                                                                                             - ICE TEA BREWER
                                                                                                             - COFFEE BREWER
                                                                                                                                                                                                                       - RESTAURANTS, BANQUET HALLS, & FOOD COURTS
PROVIDE / INSTALL MOP & BROOM RACK NEAR THE MOP SINK (COMAR 10.15.03.23D)
                                                                                                                                                                                                                              MALE
                                                                                                     PROVIDE SEPARATE & INDIRECT DRAINAGE TO ICE MACHINE CONDENSATE LINE W/ AN AIR
PROVIDE SUFFICIENT SPACE FOR STORAGE OF ALL CUSTODIAL EQUIPMENT: (COMAR
                                                                                                    GAP (COMAR 10.15.03.18(4)(C))
                                                                                                                                                                                                                        RESTAURANTS, BANQUET HALLS, & FOOD COURTS
                                                                                                    LOCATE ICE MACHINE A MINIMUM 8 INCHES FROM ADJACENT WALL
MOBILE UNITS
                                                                                                     PROVIDE FLOOR SINK UNDERNEATH THE ICE MACHINE THAT IS ACCESSIBLE FOR CLEANING &
                                                                                                     INSPECTION (COMAR 10.15.03.18(6)(B))
                                                                                                                                                                                                                       - NIGHTCLUBS, BARS, TAVERNS, DANCE HALLS, & BUILDINGS FOR SIMILAR
KITCHEN REQUIREMENTS & SUPPLY
                                                                                                                                                                                                               PURPOSES
PROVIDE / REPAIR HAND WASHING FACILITIES TO THE FACILITY W/ A: (COMAR 10.15.03.18L(2)(A)
                                                                                                     PROVIDE CLEAN DRY CONTAINER FOR STORAGE OF ICE SCOOP OUTSIDE THE ICE MACHINE
                                                                                                     (COMAR 10.15.03.17A)
        - HOT WATER
                                                                                                     NSF VENTILATION / GREASE HOOD REQUIREMENTS
        - COLD WATER
                                                                                                     CONTACT & REGISTER CHAR BROILER W/ THE AIR & RADIATION MANAGEMENT
                                                                                                     ADMINISTRATION, DEPARTMENT OF THE ENVIRONMENT 410,537,3230 IF CHAR BROILER HAS A
PROVIDE / REPAIR & MOUNT SOAP DISPENSER TO WALL ABOVE HAND WASHING SINK (COMAR
                                                                                                    COOKING AREA GREAT THAN 5 SQ.FT. (COMAR 26.11.02.10) LIST OF EVERYTHING THAT IS
                                                                                                                                                                                                                PROVIDE SUFFICIENT # OF TOILET FACILITIES TO SERVE THE FACILITY (COMAR
                                                                                                     EXEMPT & CHAR BROILER IS NOT ONE THAT IS NOT EXEMPT)-5 SQ. FT. (COMAR 10.15.03.22)
PROVIDE / REPAIR & MOUNT PAPER TOWEL DISPENSER TO WALL ABOVE ALL HAND WASHING
                                                                                                             HEAT
SINKS WITHIN PREMISES (COMAR 10.15.03.18K(4)(A))
                                                                                                                                                                                                                PROVIDE / REPAIR MECHANICAL EXHAUST VENTILATION WITHIN RESTROOMS TO
                                                                                                             - STEAM
                                                                                                                                                                                                               EXHAUST A MINIMUM OF 2 CUBIC FEET OF AIR PER SQ. FT. OF FLOOR AREA DIRECTLY TO
                                                                                                             - FUMES
PROVIDE ADDITIONAL HAND SINKS TO PREMISE: (COMAR 10.15.03.18K(1)(A)(B)(C))
                                                                                                             - OBNOXIOUS ODORS
                                                                                                                                                                                                                THE OUTSIDE (COMAR 10.15.03J(4)(A))
       - FOOD PREPARATION & PROCESS AREA
                                                                                                                                                                                                                       - MEN'S RESTROOM
                                                                                                             - EXCESSIVE GREASE VAPORS
        - UTENSIL WASHING AREA
                                                                                                                                                                                                                       - LADIES RESTROOM
        - ADJACENT TO ALL TOILET ROOMS
                                                                                                                                                                                                                       - EMPLOYEE RESTROOM
                                                                                                     PROVIDE / INSTALL BAFFLE FILTERS FOR NSF GREASE HOOD OR MECHANICAL HOOD (COMAR
                                                                                                                                                                                                               PROVIDE TRASH CONTAINER WITH A LID FOR THE FEMALE RESTROOM (COMAR
PROVIDE A SPLASH GUARD FOR THE HAND SINK: (COMAR 10.15.03.17B(1))
                                                                                                                                                                                                               10.15.0318I(8)(B))
        - 12 INCHES HIGH TO CONTAIN THE SPLASH IN THE
                                                                                                    CHAR BROILERS / OVER SHELVES & SALAMANDERS
                                                                                                                                                                                                                PROVIDE / INSTALL SELF CLOSING DOOR DEVICES TO RESTROOM DOORS (COMAR
                                                                                                    REMOVE ALL OVER-SHELVES / CHEESE MELTERS THAT ARE NOT PERMITTED TO BE
        - IF EXPOSED FOOD OR CLEAN UTENSILS WILL BE
                                                                                                     INSTALLED DIRECTLY OVER COOKING EQUIPMENT: (COMAR 10.15.03.22K)
                                                                                                                                                                                                               10.15.03.18J(2))
        WITHIN 15 INCHES OF THE HAND WASHING SINK
                                                                                                                                                                                                                        - MEN'S RESTROOM
                                                                                                             TO PREVENT CONDENSATE FROM DRIPPING INTO COOKING FOOD
                                                                                                             TO PREVENT INTERFERENCE W/ THE EXHAUST OF GREASE - LADEN VAPORS
                                                                                                                                                                                                                       - LADIES RESTROOM
3 COMPARTMENT SINK / DISHWASHING MACHINE / GREASE INTERCEPTER
                                                                                                                                                                                                                       - EMPLOYEE RESTROOM
PROVIDE / INSTALL 3 COMPARTMENT SINK WITHIN UTENSIL WASHING ROOM & BAR AREA:
                                                                                                     PROVIDE A MINIMUM OF 20 FOOT CANDLES OF LIGHT INSIDE ALL WALK-IN BOXES (COMAR
(COMAR 10.15.03.18H(5))
                                                                                                                                                                                                                PROVIDE OPEN FRONT TOILET SEATS FOR ALL TOILETS WITHIN RESTROOM (2015 IPC
                                                                                                     10.15.03.22B(2))
        - EACH COMPARTMENT MUST BE INDIVIDUALLY
       DRAINED W/ AN AIR GAP
                                                                                                     PROVIDE SHIELDED AND SHATTER PROOF LIGHTING TO THE LIGHT FIXTURE INSIDE OF WALK
                                                                                                                                                                                                                       - MEN'S RESTROOM
         FLOOR SINK MUST CAPTURE DISCHARGE FROM
                                                                                                    IN REFRIGERATION AND FREEZER UNITS (COMAR 10.15.03.22C))
                                                                                                                                                                                                                       - LADIES RESTROOM
        THE THREE FILLED SINKS W/ NO SPLASH OR
                                                                                                                                                                                                                       - EMPLOYEE RESTROOM
       OVERFLOW
                                                                                                     PROVIDE EVAPORATOR PANS TO ALL WALK IN REFRIGERATORS AND FREEZER UNITS (COMAR
        - PROVIDE / INSTALL (2) INTEGRAL DRAIN-BOARDS
                                                                                                                                                                                                                PROVIDE ENCLOSED TOILET STALLS WITHIN RESTROOM FACILITY FOR PRIVACY (COMAR
       FOR PROPER HANDLING OF SOILED UTENSILS
                                                                                                                                                                                                               10.15.03.18(J)(3))
       BEFORE WASHING AND FOR CLEANED UTENSIL
                                                                                                                                                                                                                       - MEN'S RESTROOM
                                                                                                     LOCKER ROOMS
        FOLLOWING RINSING OR SANITIZATION (COMAR
                                                                                                                                                                                                                       - LADIES RESTROOM
                                                                                                     PROVIDE / INSTALL LOCKERS OR AREAS FOR EMPLOYEE BELONGINGS OUTSIDE THE FOOD
        10.15.03.18L16G(1))
                                                                                                     PREPARATION AREA. (COMAR 10.15.03.23K(2))
                                                                                                                                                                                                                       - EMPLOYEE RESTROOM
PROVIDE HOT & COLD RUNNING WATER DISPENSED THROUGH A MIXING FAUCET TO 3
                                                                                                     BUILDING FLOORS, WALLS, CEILING AND LIGHTING
COMPARTMENT SINK (COMAR 10.15.03.18L(2)(A)(B))
                                                                                                     PROVIDE FLOOR TO WALL JUNCTURE THAT IS COVED OR CLOSED INSIDE: (COMAR
                                                                                                     10.15.03.21C(1)(2))
PROVIDE / INSTALL HAND WASHING FACILITIES FOR THE RESTROOM W/ A: (COMAR
                                                                                                             - FOOD PREPARATION AREA
10.15.03.18L(2)(A)(B))
                                                                                                             - UTENSIL WASHING AREA
        - MIXÎNG FAUCET
                                                                                                             - FOOD STORAGE AREA
        - HOT WATER
                                                                                                             · WALK-IN REFRIGERATOR / FREEZER
        - COLD WATER
                                                                                                             - TOILET ROOM
```

pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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MEP ENGINEER: THOMAS FOULKES, LLC

1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA

WATER CLOSETS 1 PER 75

WATER CLOSETS 1 PER 75

WATER CLOSETS 1 PER 40

WATER CLOSETS 1 PER 40

LAVATORIES MALE / FEMALE 1 PER 200

LAVATORIES MALE / FEMALE 1 PER 200

LAVATORIES MALE / FEMALE 1 PER 75

LAVATORIES MALE / FEMALE 1 PER 75

240.464.8280 / JGARCIA@NYIKOSGARCIA.COM **INTERIOR DESIGN:** LUUA DESIGN

BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18269, EXPIRATION DATE: 11-17-21.

FOR PERMIT

11/30/2020

HEALTH DEPARTMENT NOTES

ARCHITECTURAL GENERAL NOTES

ARCHITECTURAL GENERAL NOTES:

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL DRAWINGS AND SPECIFICATIONS INCLUDED HEREIN, INCLUDING THOSE OF OTHER DESIGN DISCIPLINES.

THE CONTRACT DOCUMENTS ARE INTENDED TO BE READ AS A SINGLE SET OF DOCUMENTS, AND CONTRACT DOCUMENTS IN THEIR ENTIRETY, AND HAVE A COMPLETE UNDERSTANDING OF PROJECT SCOPE. ARCHITECT AND CONSULTANTS ARE NOT RESPONSIBLE FOR SCOPE EXCLUSIONS RESULTING FROM THE CONTRACTOR SPLITTING THE DOCUMENT SET.

CONTRACTOR MUST COORDINATE THE WORK OF ALL DISCIPLINES. THE ARCHITECTURAL DOCUMENTS MUST BE USED IN CONJUNCTION WITH THE DOCUMENTS OF ALL OTHER DISCIPLINES. SUBMITTAL REFERENCE NUMBER. SUBMITTALS THAT HAVE NOT BEEN PROPERLY REVIEWED BY AND ANY DISCREPANCIES AND CONFLICTS MUST BE SUBMITTED TO THE ARCHITECT AS A "REQUEST | THE CONTRACTOR WILL BE RETURNED WITHOUT REVIEW. FOR INFORMATION" PRIOR TO COMMENCEMENT OF CONSTRUCTION.

REQUESTS FOR INFORMATION (RFIs)

ANY INFORMATION REQUIRED BY CONTRACTOR THAT IS NOT IN THE CONTRACT DOCUMENTS, AND ANY ISSUE REQUIRING CLARIFICATION, MUST BE REQUESTED FROM THE ARCHITECT BY THE CONTRACTOR AS AN RFI. CONTRACTOR MUST ALLOW FOR A 3 BUSINESS DAY (ARCHITECTURAL ISSUE ONLY) OR A 7 BUSINESS DAY (REQUIRING CONSULTANT INPUT) REVIEW PERIOD.

ALL RFIS FOR THE PROJECT MUST BE MADE TO THE ARCHITECT. RFIS MUST NOT BE MADE DIRECTLY TO CONSULTANTS.

RFIS MUST BE SUBMITTED ON THE CONTRACTORS STANDARD RFI FORM WITH A UNIQUE RFI REFERENCE NUMBER AND A CLEARLY-ARTICULATED QUESTION AND/OR REQUEST, WITH SUPPORTING IMAGES AND SKETCHES AS NEEDED. RFIs MUST BE SUBMITTED ELECTRONICALLY, AND RESPONSES WILL BE RETURNED ELECTRONICALLY. RFIs MUST BE MADE AS A SINGLE, ORGANIZED PDF FILE, WITH THE PAGES IN THE CORRECT ORDER, WITH THE PAGES AT THE CORRECT ORIENTATION, ENTIRELY IN ENGLISH. RFIs ASKING FOR INFORMATION THAT IS CLEARLY AND READILY AVAILABLE IN THE CONTRACT DOCUMENTS WILL BE RETURNED WITHOUT REVIEW.

CHANGES AND MODIFICATIONS

ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS MUST BE SUBMITTED AS REQUESTS FOR INFORMATION, AND MUST BE APPROVED IN WRITING PRIOR TO COMMENCING AFFECTED WORK, ALL PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND, CONFIRMING THAT THE CHANGES IN WORK REQUESTED BY THE CONTRACTOR ARE ASSUMED TO INCUR NO COST UNLESS SUBMITTED ITEM MEETS ALL RELEVANT PERFORMANCE CRITERIA; LEGALLY-REQUIRED CODES, SPECIFICALLY APPROVED. APPROVAL OF REQUESTED CHANGES DOES NOT CONSTITUTE APPROVAL | LAWS, AND STANDARDS; AND INDUSTRY BEST PRACTICES; INCLUDING BUT NOT LIMITED TO OF AN INCREASE IN PROJECT COSTS.

GENERAL SUBMITTAL REQUIREMENTS:

THESE NOTES APPLY TO ALL SUBMITTALS, INCLUDING PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES. SEE ALSO ADJACENT NOTES SPECIFIC TO PRODUCT DATA, SHOP DRAWINGS, AND

ARE NOT DESIGNED TO BE SEPARATED OUT. CONTRACTOR MUST REVIEW AND UNDERSTAND THE ALL SUBMITTALS FOR THE PROJECT MUST BE MADE TO THE ARCHITECT. SUBMITTALS MUST NOT BE MADE DIRECTLY TO CONSULTANTS.

> ALL SUBMITTALS MUST BE REVIEWED AND CORRECTED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT. AND MUST BE SUBMITTED WITH A COVER SHEET DESCRIBING THE SUBMITTAL'S CONTENTS AND FEATURING THE CONTRACTOR'S REVIEW STAMP AND A UNIQUE

SHOULD THE CONTRACTOR PROCEED WITH PROCURING A MATERIAL OR PRODUCT THAT HAS NOT YET BEEN APPROVED BY THE ARCHITECT AND CONSULTANTS, THE CONTRACTOR DOES SO ENTIRELY AT THEIR OWN RISK.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST PROVIDE THE ARCHITECT WITH

ALL SUBMITTALS MUST BE SUBMITTED IN A TIMELY FASHION TO ALLOW FOR A 5 BUSINESS DAY THERE IS NO GUARANTEE THAT THE FIRST SUBMISSION OF A SUBMITTAL WILL BE CONSIDERED ACCEPTABLE.

IT IS FORBIDDEN TO REPRODUCE AND/OR EDIT CONTRACT DOCUMENTS (INCLUDING ARCHITECTURAL DRAWINGS, CONSULTANT DRAWINGS, AND SPECIFICATIONS) FOR INCLUSION IN SUBMITTALS. SUCH SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.

WHERE SUBMITTALS REQUIRE AN ENGINEER'S SEAL, THEY MUST BE STAMPED AND SIGNED BY A STRUCTURAL AND THERMAL PERFORMANCE. SUCH ITEMS SUBMITTED WITHOUT THE RELEVANT ENGINEER'S SEAL WILL BE RETURNED WITHOUT REVIEW.

INDICATING THAT A SUBSTITUTION IS PROPOSED AND CLEARLY IDENTIFYING HOW THE PROPOSED ITEM IS EQUAL TO THE BASIS OF DESIGN AND/OR SPECIFIED PRODUCT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEMONSTRATE EQUIVALENCY OF A SUBSTITUTION, NOT THE ARCHITECT. WHERE EQUIVALENCY IS NOT CLEARLY DEMONSTRATED, THE SUBMITTAL WILL BE RETURNED

SUBMITTAL REVIEW STATUS

CONTRACTOR OF THEIR RESPONSIBILITIES

"NO EXCEPTION TAKEN" MEANS THAT THE SUBMITTED ITEM APPEARS TO BE IN CONFORMANCE

"MAKE CORRECTIONS NOTED" MEANS THAT THE CORRECTIONS NOTED ON THE REVIEW MUST BE MADE, AND THAT FOLLOWING CORRECTION IT IS NOT NECESSARY TO RESUBMIT.

"NO ACTION TAKEN" MEANS THAT THE SUBMITTAL WAS NOT REVIEWED. THIS DOES NOT ALLEVIATE THE CONTRACTOR OF THE REQUIREMENT TO MAKE A PROPERLY-PREPARED SUBMITTAL, IF NO

"REVISE AND RESUBMIT" MEANS THAT THE REVISIONS NOTED MUST BE MADE, AND THE SUBMITTAL

"REJECTED" MEANS THAT THE CONTENTS OF THE SUBMITTAL ARE UNACCEPTABLE, AND THAT THE SUBMITTED FOR THE FOLLOWING ITEMS: SUBMITTAL MUST BE ENTIRELY RE-PREPARED AND RESUBMITTED.

REVIEW STATUS NOTED ON ARCHITECT/CONSULTANT REVIEW SHEETS OVERRIDES DEFAULT RESPONSE OPTIONS AVAILABLE ON CONSTRUCTION MANAGEMENT SOFTWARE OR OTHER SYSTEMS USED BY THE CONTRACTOR WHEREVER SUCH OPTIONS DO NOT DIRECTLY MATCH THE REVIEW STATUS INTENDED BY THE ARCHITECT AND/OR CONSULTANT.

PRODUCT DATA MUST BE SUBMITTED FOR THE FOLLOWING ITEMS:

STOREFRONTS CURTAINWALLS

DOORS AND FRAMES KITCHEN EQUIPMENT

ALL SUBMITTALS MUST BE MADE ELECTRONICALLY, AND SUBMITTAL REVIEWS WILL BE RETURNED ELECTRONICALLY. SEE "SAMPLES" BELOW FOR SAMPLE-SPECIFIC SUBMITTAL REQUIREMENTS. SUBMITTALS MUST BE MADE AS A SINGLE, ORGANIZED PDF FILE, WITH THE PAGES IN THE CORRECT ORDER, WITH THE PAGES AT THE CORRECT ORIENTATION, ENTIRELY IN ENGLISH, AND WITH ANNOTATIONS BY THE CONTRACTOR AS NEEDED TO DEMONSTRATE COMPLIANCE WITH THE CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR, NOT THE ARCHITECT, TO ORGANIZE SUBMITTALS SO THAT THEY ARE EASILY LEGIBLE. SUBMITTALS THAT DO NOT FOLLOW THESE REQUIREMENTS WILL BE RETURNED WITHOUT REVIEW.

A SUBMITTAL SCHEDULE, INDICATING WHEN EACH SUBMITTAL WILL BE MADE.

IF THE CONTRACTOR PROPOSES A SUBSTITUTION, A SUBMITTAL MUST BE MADE CLEARLY WITHOUT REVIEW.

ACTION WAS TAKEN DUE TO THE SUBMITTAL NOT MEETING REQUIREMENTS.

MUST BE RESUBMITTED FOR ANOTHER REVIEW.

PRODUCT DATA REQUIREMENTS

WALL AND CEILING BOARD PRODUCTS (GWB, CEMENT BOARD, SHAFTLINER, ETC)

INSULATION PRODUCTS PLUMBING FIXTURES LIGHT FIXTURES (INCL. EXIT SIGNS ETC)

FIRE EXTINGUISHER CABINETS AND BRACKETS

BATH ACCESSORIES DOOR HARDWARE

LOCKERS ROOFING MEMBRANES AND ACCESSORIES

ACCESS DOORS ACT CEILING TILE

CEILING SUSPENSION SYSTEMS (AT GWB AND ACT, INCL. ANY TRANSITIONS)

CASEWORK CABINETS FIRESTOPPING PRODUCTS

ALL COMPONENTS IN FIRE-RATED ASSEMBLIES LOW-ENERGY DOOR OPERATORS (INCL. ASSOCIATED ACCESSORIES)

TRANSITION PROFILES (FLOOR, WALL TILE, ETC.) **ENTRY MATTING** SIGNAGE

PRODUCT DATA MUST INDICATE HOW AND WHERE PRODUCTS ARE TO BE USED IN THE PROJECT, CLEARLY INDICATING HOW THE PRODUCT MEETS THE REQUIREMENTS OF THE PROJECT. PRODUCT DATA MUST BE PROJECT-SPECIFIC AND REVIEWED BY THE CONTRACTOR - IT IS UNACCEPTABLE TO (ARCHITECTURAL ONLY) OR A 10 BUSINESS DAY (REQUIRING CONSULTANT REVIEW) REVIEW PERIOD. SUBMIT ENTIRE PRODUCT CATALOGS. PRODUCT DATA MUST HAVE ALL RELEVANT OPTIONS AND ACCESSORIES CLEARLY INDICATED ON THE SUBMITTAL.

SHOP DRAWING REQUIREMENTS:

SHOP DRAWINGS MUST BE SUBMITTED FOR THE FOLLOWING ITEMS:

ARCHITECTURAL WOODWORK/MILLWORK CASEWORK

DOORS AND FRAMES DOOR SCHEDULE

DOOR HARDWARE (SCHEDULE) STOREFRONTS & CURTAINWALLS (SEALED BY LICENSED ENGINEER)

FIRESTOPPING ALL ROOFING DETAILS

SIGNAGE LIGHT FIXTURE SCHEDULE

PLUMBING FIXTURE SCHEDULE KITCHEN EQUIPMENT STAIRS (INCL. RAILINGS)

RAMPS (INCL. RAILINGS) CUSTOM LAVATORY

CUSTOM MIRRORS

SHOP DRAWINGS MUST INCLUDE ATTACHMENT/CONNECTION OF THE RELEVANT ITEMS TO THE REST WITH THE CONTRACT DOCUMENTS. IT IS NOT AN EXPLICIT APPROVAL AND DOES NOT ALLEVIATE THE OF THE WORK. SEE OTHER DISCIPLINES DOCUMENTS FOR ADDITIONAL SHOP DRAWING REQUIREMENTS.

SAMPLES MUST BE SUBMITTED FOR ALL FINISH ELEMENTS (BOTH INTERIOR AND EXTERIOR) FOR REVIEW BY THE ARCHITECT AND THE OWNER. SAMPLES MUST BE SUBMITTED PHYSICALLY, AND A SUBMITTAL COVER SHEET DESCRIBING THE CONTENTS OF THE SAMPLE SUBMITTAL MUST BE SUBMITTED ELECTRONICALLY. IF THE CONTRACTOR PROCEEDS WITH WORK PRIOR TO HAVING RECEIVED APPROVAL OF RELEVANT SAMPLES, IT IS ENTIRELY AT THEIR OWN RISK AND ALL UNSATISFACTORY WORK MUST BE CORRECTED AT NO COST TO THE OWNER. SAMPLES MUST BE

> GLASS AND GLAZING UNITS STOREFRONT FRAME (PROFILE & FINISH) PAINT - SUBMIT COLOR CHIP AND MOCKUP ON SITE FOR EACH TYPE

FLOOR FINISH TRANSITION PROFILES URETHANE FLOOR

(EG FINISH OPTIONS FOR MEP DEVICES)

CONCRETE FLOOR - MOCKUP ON SITE FOR EACH FINISH

WOOD FLOORING MILLWORK FINISH MATERIALS

CASEWORK

CABINET HARDWARE CORNER GUARDS

COUNTERTOPS

TILES & GROUT TILE TRANSITION STRIPS

WALL BASE

STAINED WOOD FOR MILLWORK

ENTRY MATTING

CEILING TILE AND GRID

ALL INTERIOR AND EXTERIOR FINISHES NOT SPECIFICALLY REQUESTED ELSEWHERE

UNIT MASONRY

GRADE AND TEXTURE SHALL BE UNIFORM THROUGHOUT THE PROJECT.

MATERIALS FOR MORTAR SHALL BE PROPORTIONED BY VOLUMETRIC MEASURE ONLY. "SHOVEL MEASURE" IS NOT PERMITTED.

MORTAR MAY BE RETEMPERED ONLY ONCE. MORTAR MUST BE USED WITHIN 1 1/2 HOURS AFTER INITIAL MIXING, OR BE DISCARDED.

PROVIDE WEATHER PROTECTION FOR ALL COMPLETED MASONRY WORK.

WOODS AND PLASTICS

ROUGH CARPENTRY: GRADING FOR LUMBER AND PLYWOOD SHALL BE MARKED ON EACH PIECE WITH TYPE, GRADE, MILL AND GRADING AGENCY (APA, WWPA, SPIB, ETC.).

MINIMUM THICKNESS FOR PLYWOOD: ROOFING - 5/8", FLOORING - 3/4", WALLS - 1/2".

COMPLY WITH AWPA STANDARD C-2 FOR LUMVER, C-9 FOR PLYWOOD. TREAT WITH WATER-

BORNED PRESERVATIVES PER AWPB LP2 FOR CANTS, BLOCKING, PLATES, ETC., IN CONNECTION WITH ROOFING AND FLASHING, SILLS AND FURRING, AND OTHER ITEMS IN CONTACT WITH MASONRY OR CONCRETE. KILN DRY AFTER TREATMENT.

FIRE-RETARDANT WOOD WHERE REQUIRED: COMPLY WITH AWPA STANDARDS WITH A FLAME SPREAD RATING OF 25 OR LESS. PROVIDE UL LABEL FOR EACH PIECE OF LUMBER OR PLYWOOD.

ARCHITECTURAL WOODWORK: ALL CUSTOM-MADE WOOD AND PLASTIC LAMINATE FACED CASEWORK, COUNTERTOP AND RELATED MILLWORK ITEMS SHALL COMPLY WITH AWI "ARCHITECTURAL WOODWORK QUALITY

STANDARDS". COMPLETELY DETAILED SHOP DRAWINGS ARE REQUIRED, ALONG WITH

JOINT SEALANTS

ALL JOINT SEALANT MATERIALS SHALL BE OF THE HIGHEST QUALITY AND SHALL MEET THE QUALIFICATIONS FOR INTENDED USE.

FIRE EXTINGUISHERS AND CABINETS

SAMPLES OF ALL MATERIAL FINISHES.

PROVIDE FIRE EXTINGUISHERS PER NFPA 10 AND PER FIRE MARSHAL / AHJ REQUIREMENTS. HALON FIRE EXTINGUISHERS ARE NOT PERMITTED. CABINETS AND BRACKETS SHALL BE SIZED

FIRE EXTINGUISHER CABINETS:

ALL FIRE EXTINGUISHERS LOCATED IN AREAS ACCESSIBLE TO THE PUBLIC SHALL BE PLACED IN A FIRE EXTINGUISHER CABINET.

APPROPRIATELY FOR THE EXTINGUISHER THAT THEY ARE ACCOMODATING.

SURFACE MOUNTED AND EXTERIOR FIRE EXTINGUISHER CABINETS:

VERTICALLY BELOW, 4" X 18", FLEXIBLE VINYL WITH ADHESIVE BACKING.

RECESSED INDOOR FIRE EXTINGUISHER CABINETS: CABINETS SHALL BE 18GA WHITE STEEL, MOUNTED IN A SEMI RECESSED POSITION. DOORS

SHALL BE 18GA STEEL MOUNTED ON CONTINUOUS PIANO HINGES. THE DOOR SHALL BE PROVIDED WITH A TAMPER-PROOF LOCK, TWO KEYS, WITH A BREAKAWAY ACRYLIC PANEL. WHEN THE PANEL IS BROKEN, THE CABINET DOOR SHALL BE OPENED FROM THE INSIDE BY TRIPPING THE DOOR LEVER. CABINET TRIM SHALL BE 18GA STEEL. THE RETURN TRIM FOR THE SEMI-RECESSED MOUNTING SHALL NOT BE LESS THAN 1 1/4". CABINETS SHALL BE LETTERED IN RED WITH THE WORDS "FIRE EXTINGUISHER".

CABINETS SHALL BE WEATHER RESISTANT 20GA WHITE BAKED ENAMEL ALUMINUM WITH BREAKAWAY ACRYLIC PANEL FRONT WITH PULL HANDLE AND ALUMINUM LOCKING BAR. LOCK SHALL BE TAMPER PROOF AND SUPPLIED WITH 2 KEYS. CABINETS SHALL BE LETTERED IN RED WITH THE WORDS "FIRE EXTINGUISHER".

WALL MOUNTING HANGERS SHALL BE AMEREX OR APPROVED EQUAL, SECURELY ATTACHED TO

WALL. INDICATING SIGNS FOR AREAS WHERE THE FIRE EXTINGUISHERS WILL NOT BE READILY

VISIBLE SHALL BE RED IN COLOR WITH RED LETTERS PRINTED INSIDE A WHITE ARROW WITH THE WORD "FIRE" PRINTED HORIZONTALLY ON TOP AND THE WORD "EXTINGUISHER" PRINTED

MISC ACCESSORIES:

FIRESTOPPING ALL PENETRATIONS THROUGH AN EXISTING RATED ASSEMBLY MUST BE FIRESTOPPED WITH A UL-LISTED FIRESTOPPING ASSEMBLY APPROPRIATE TO THE PENETRATION CONDITION AND

SLIP RESISTANCE

MAINTAINING THE EXISTING FIRE RATING.

EXTERIOR RAMPS STEEPER THAN 1 IN 14

ALL FLOORS MUST HAVE A MINIMUM WET DYNAMIC COEFFICIENT OF FRICTION (DCOF) OF 0.43. IN ADDITION TO THE ABOVE. THE FOLLOWING MINIMUM WET PENDULUM TEST VALUES (PTV) MUST

55 HARD

35 HARD

45 HARD

45 SOFT

35 SOFT

40 SOFT

BE MET FOR BOTH HARD RUBBER SLIDERS (HARD) AND SOFT RUBBER SLIDERS (SOFT):

EXTERIOR AREAS

WET AREAS

TERIOR RAMPS SHALLOWER THAN 1 IN 14	45 HARD	40 SOFT
VEL SURFACES	45 HARD	40 SOFT
IDERCOVER CAR PARKS	35 HARD	35 SOFT
ADING DOCKS (UNDER COVER)	55 HARD	45 SOFT
TERIOR PUBLIC AREAS		
RYAREAS	35 HARD	N/A SOFT
STROOMS	35 HARD	35 SOFT
ANSITIONAL AREAS (DRY)	25 HARD	20 SOFT

DINING AND SERVING AREAS 35 SOFT 35 HARD COMMERCIAL KITCHENS & ASSOCIATED AREAS COMMERCIAL KITCHENS 45 SOFT 55 HARD 40 SOFT SERVING AREAS BEHIND BARS 45 HARD

METAL STUD FRAMING

COLD STORES & FREEZERS

DELEGATED DESIGN. CONTRACTOR SHALL SELECT METAL STUDS OF AN APPROPRIATE GAUGE AND PROFILE, AND SHALL LAY THEM OUT SO AS TO PROVIDE A COMPLETE AND STABLE PARTITION. CONTRACTOR SHALL PROVIDE ALL BRACING, BLOCKING, SUPPORTS, ATTACHMENTS, ETC AS NECESSARY FOR A COMPLETE SYSTEM.

GYPSUM WALL BOARD FINISH LEVELS

LEVEL 0: AT ALL LOCATIONS NOTED AS UNFINISHED

LEVEL 1: CONCEALED AREAS (PLENUMS, ETC.) LEVEL 2: BACK OF HOUSE CORRIDORS, UTILITY ROOMS, ETC. ON WALLS WHERE TILE FINISH,

STAINLESS STEEL WALL PANELS, ETC. WILL BE APPLIED LEVEL 3: NO LEVEL 3 SCOPE IN THIS PROJECT

LEVEL 4: ALL EXPOSED PAINTED LOCATIONS EXCEPT THOSE SPECIFICALLY NOTED AS BEING FINISHED TO A LOWER LEVEL LEVL 5: NO LEVEL 5 SCOPE IN THIS PROJECT

ALL TILE TO BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF 2018 TCNA HANDBOOK.

kuo pao lian www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

OWNER: MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD

BALTIMORE, MD 21227 CONTACT: RICK CONDON 443.297.5196 / rcondon@mdfoodbank.org FOOD WORKS

2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org

ARCHITECT: PI.KL STUDIO, LLC 1916 FLEET ST BALTIMORE, MD 21231

CONTACT: BRIAN BAKSA 443.928.1982 / BRIAN@PIKLSTUDIO.COM STRUCTURAL ENGINEER: STRUCTURA 809 CATHEDRAL STREET

BALTIMORE, MD 21201 CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM

THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

MEP ENGINEER:

FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY

GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA

CONTACT: ANNE STAHL

240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD

317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

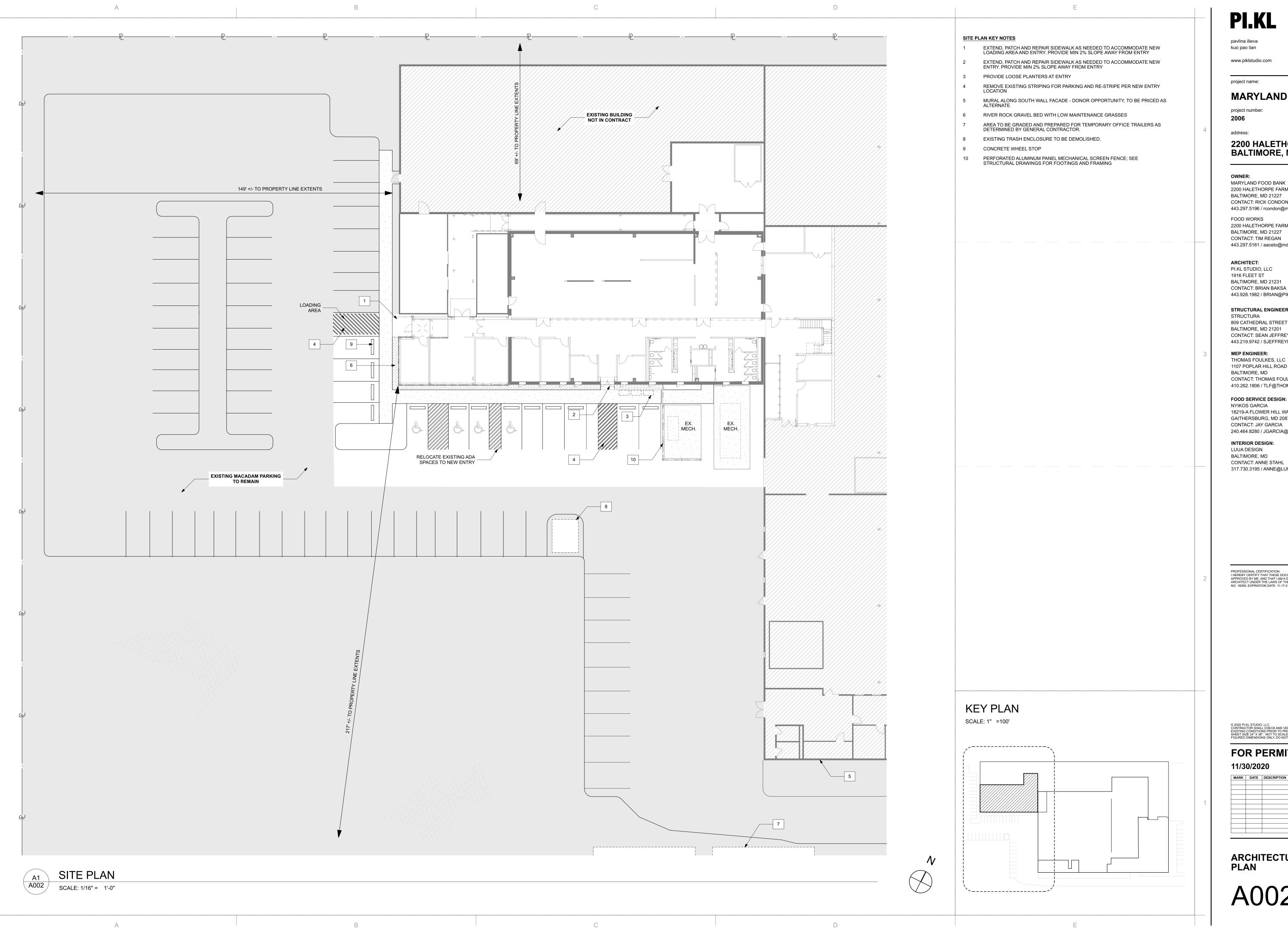
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MARK DATE DESCRIPTION

ARCHITECTURAL GENERAL NOTES



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MARYLAND FOOD BANK

project number:

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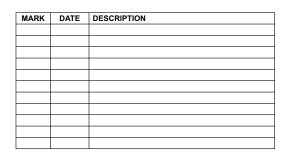
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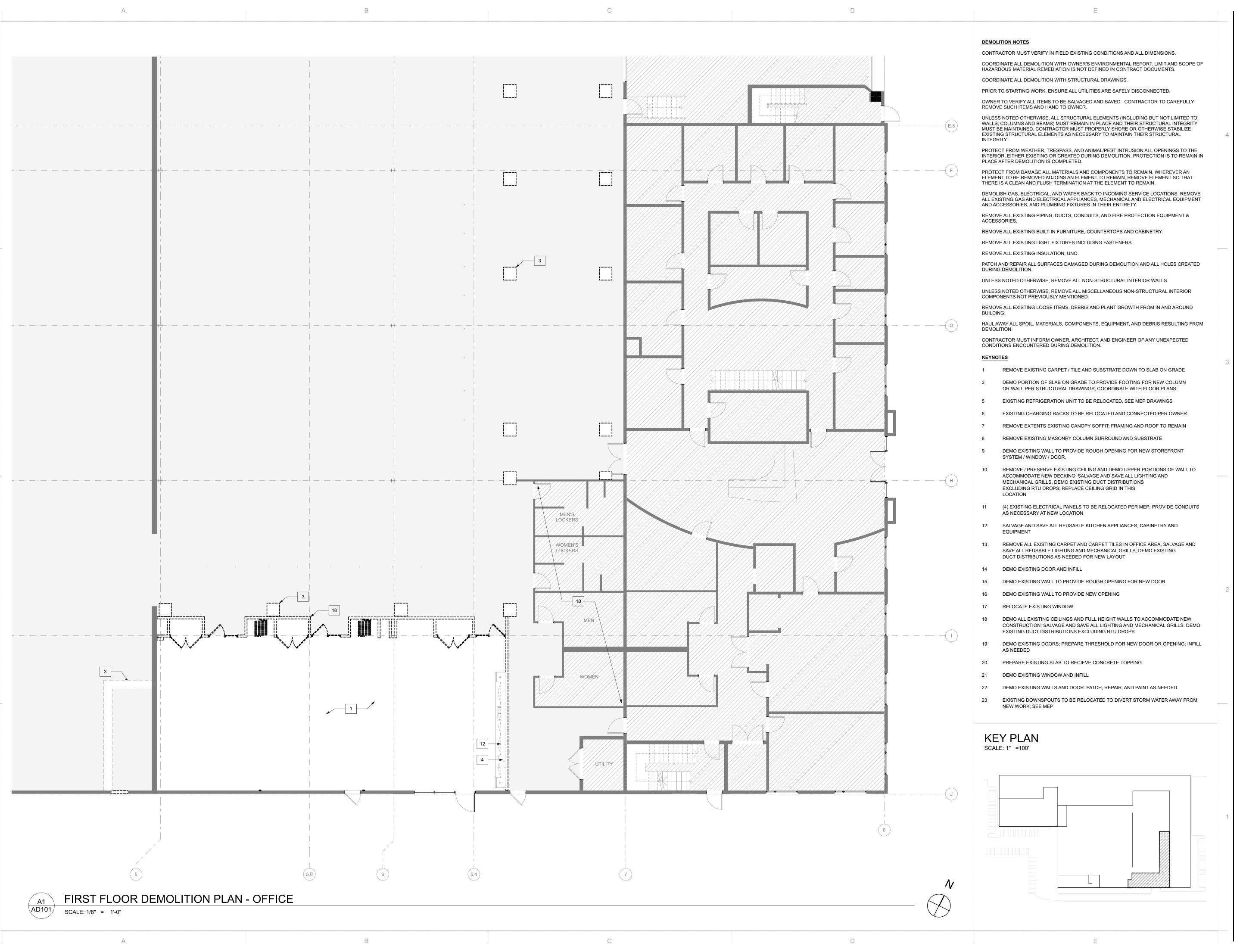
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ARCHITECTURAL SITE PLAN



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project name:

MARYLAND FOOD BANK

project number:

2000

address:

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

OWNER:
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2200 HALETHORPE FARMS RD

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STRUCTURAL ENGINEER:

809 CATHEDRAL STREET BALTIMORE, MD 21201

CONTACT: SEAN JEFFREYS

1107 POPLAR HILL ROAD BALTIMORE, MD

FOOD SERVICE DESIGN:

18219-A FLOWER HILL WAY

GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA

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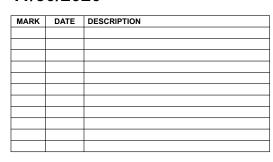
STRUCTURA

MEP ENGINEER: THOMAS FOULKES, LLC

EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE W SHEET SIZE 24" X 36". NOT TO SCALE AT OTHER SHEET SIZE FIGURED DIMENSIONS ONLY, DO NOT SCALE FROM DRAWIN

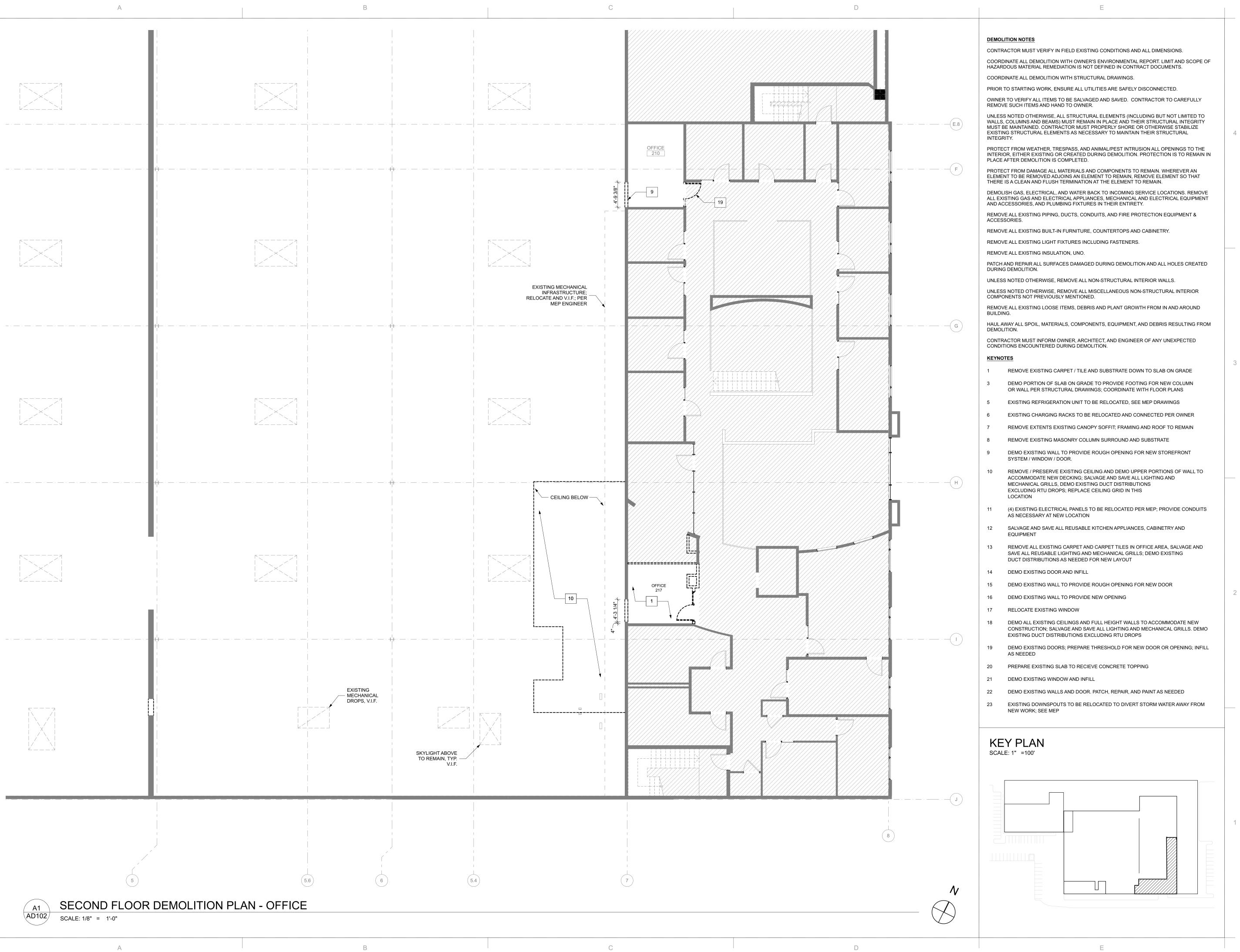
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FIRST FLOOR DEMOLITION PLAN -OFFICE

AD101



pavlina ilieva kuo pao lian

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project name:

MARYLAND FOOD BANK

project number:

2006

address:

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

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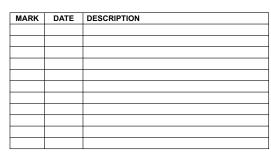
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CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND
EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
SHEET SIZE 24" X 36". NOT TO SCALE AT OTHER SHEET SIZES. U.
EIGLIBER DIMENSIONS ONLY DO NOT SCALE IF EROM DEVAININGS.

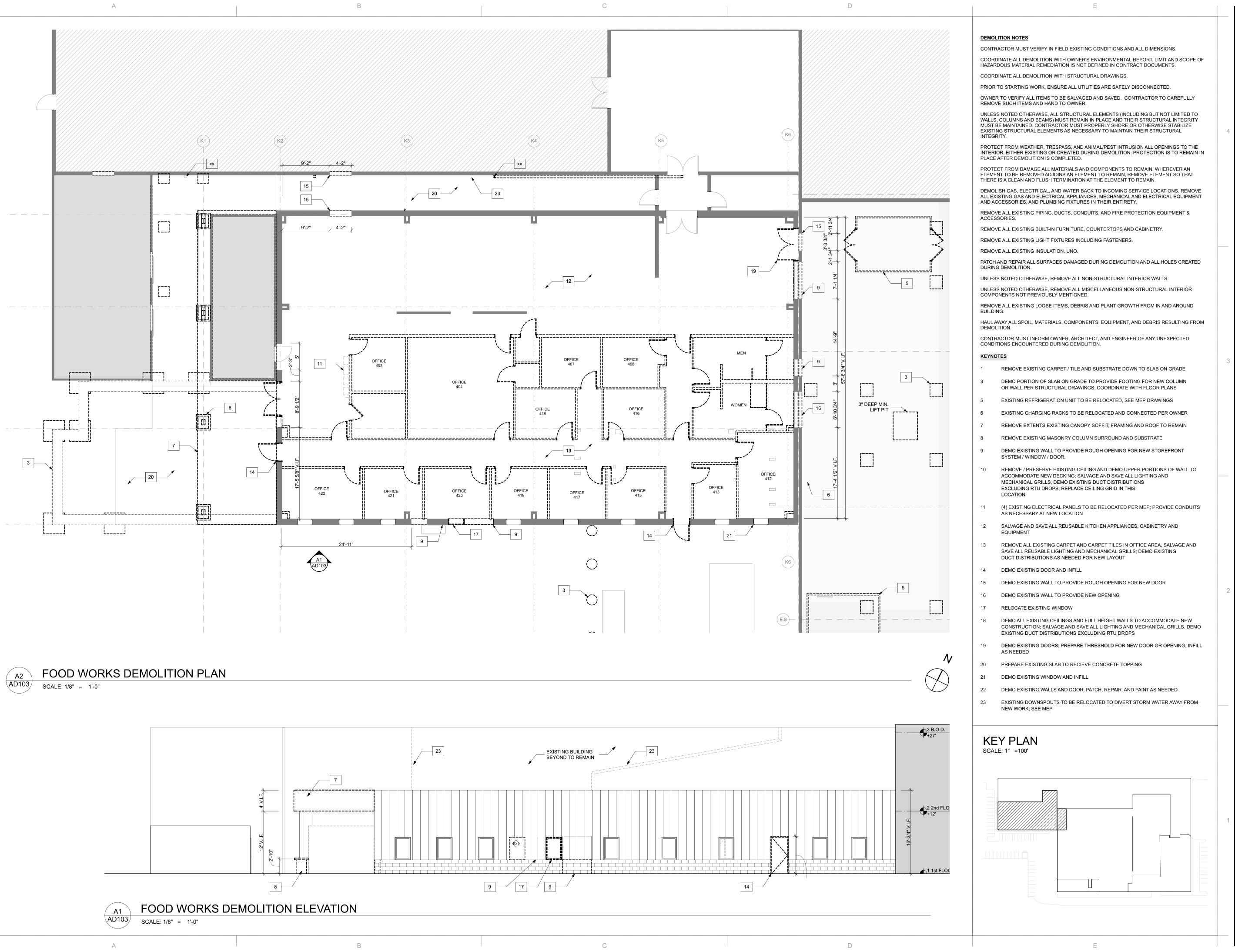
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SECOND FLOOR
DEMOLITION PLAN OFFICE

AD102



pavlina ilieva kuo pao lian

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project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

OWNER:

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CONTACT: SEAN JEFFREYS

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317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

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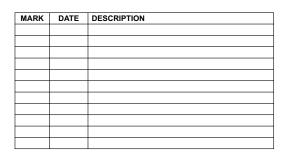
443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM

STRUCTURA

MEP ENGINEER: THOMAS FOULKES, LLC

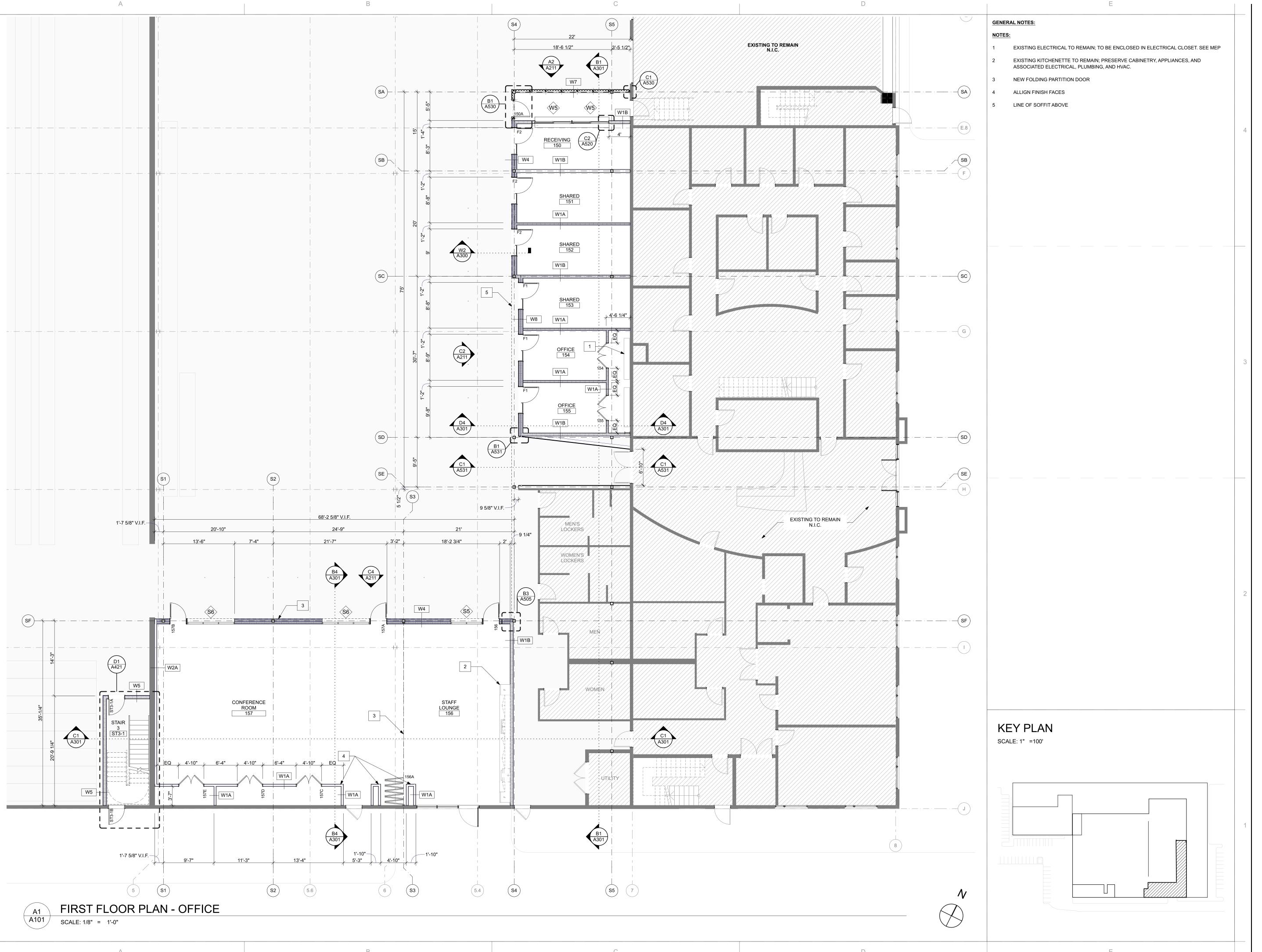
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FIRST FLOOR **DEMOLITION PLAN -KITCHEN**

AD103



pavlina ilieva kuo pao lian

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project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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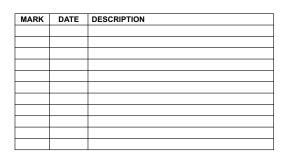
FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

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11/30/2020



FIRST FLOOR PLAN -OFFICE



pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

THOMAS FOULKES, LLC

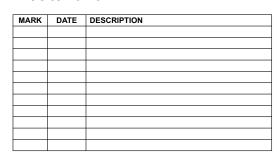
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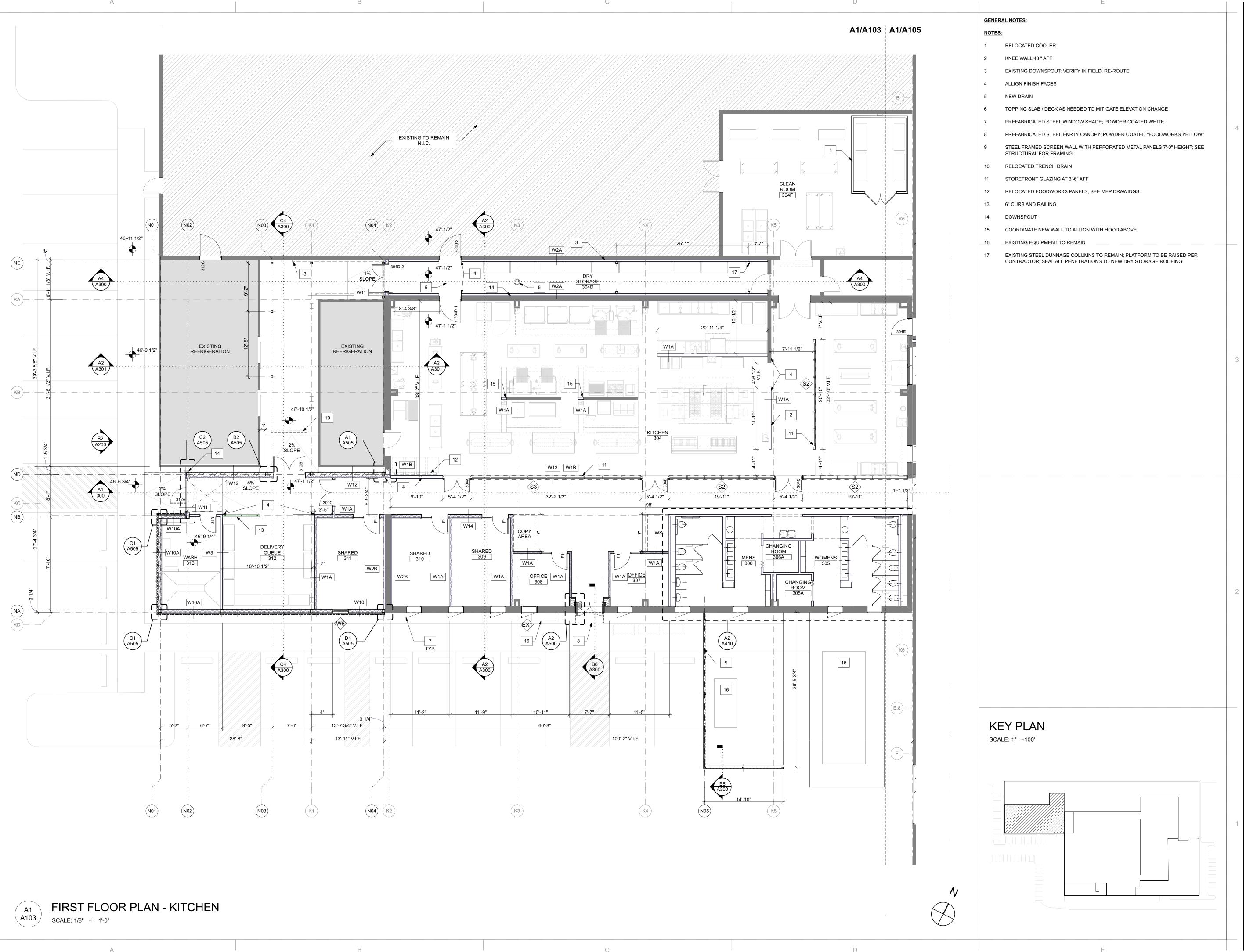
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SECOND FLOOR PLAN -OFFICE



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project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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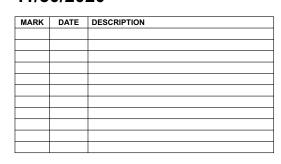
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BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

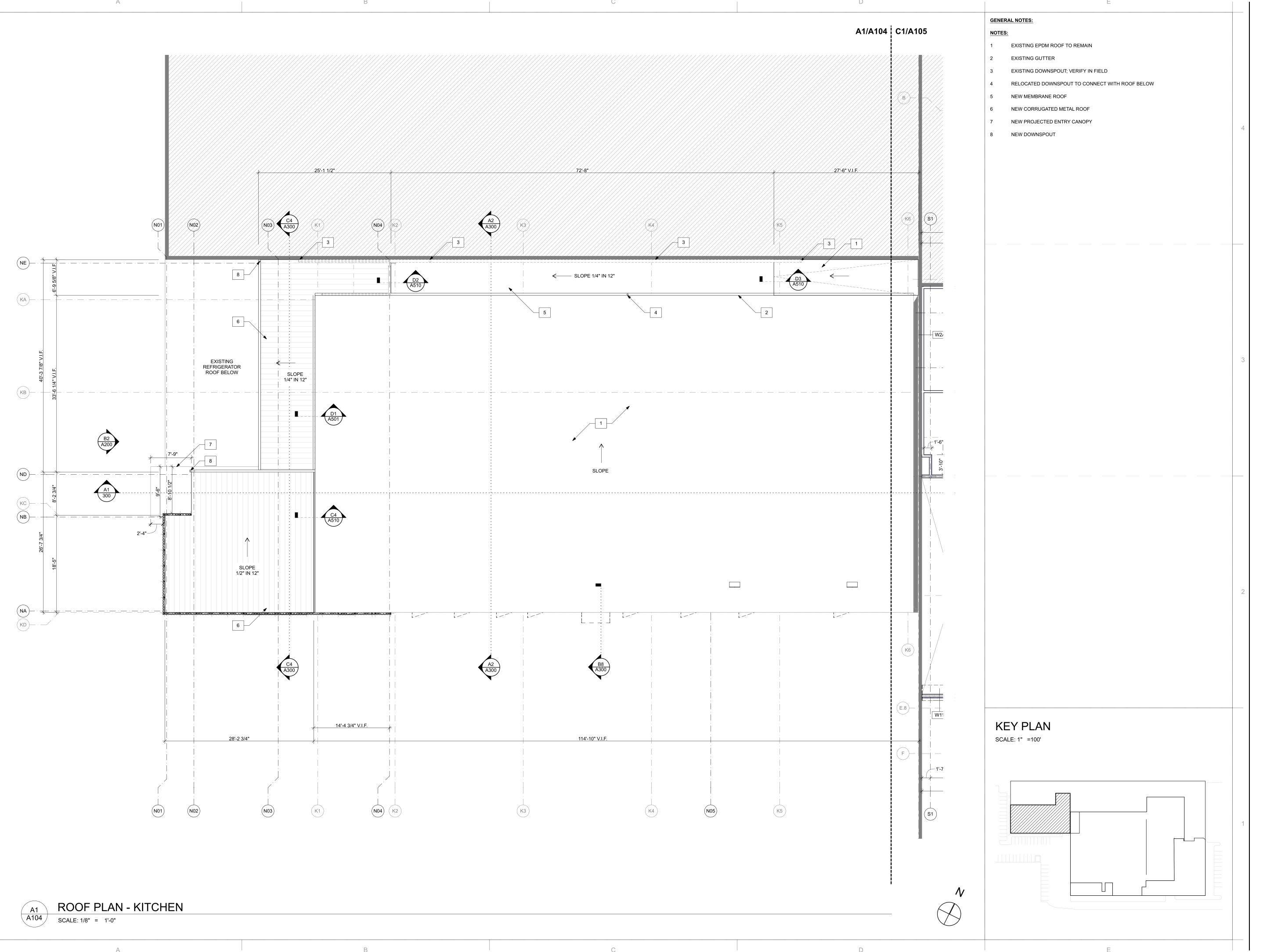
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FIRST FLOOR PLAN -**KITCHEN**



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project name:

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project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL

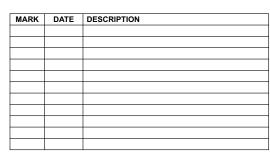
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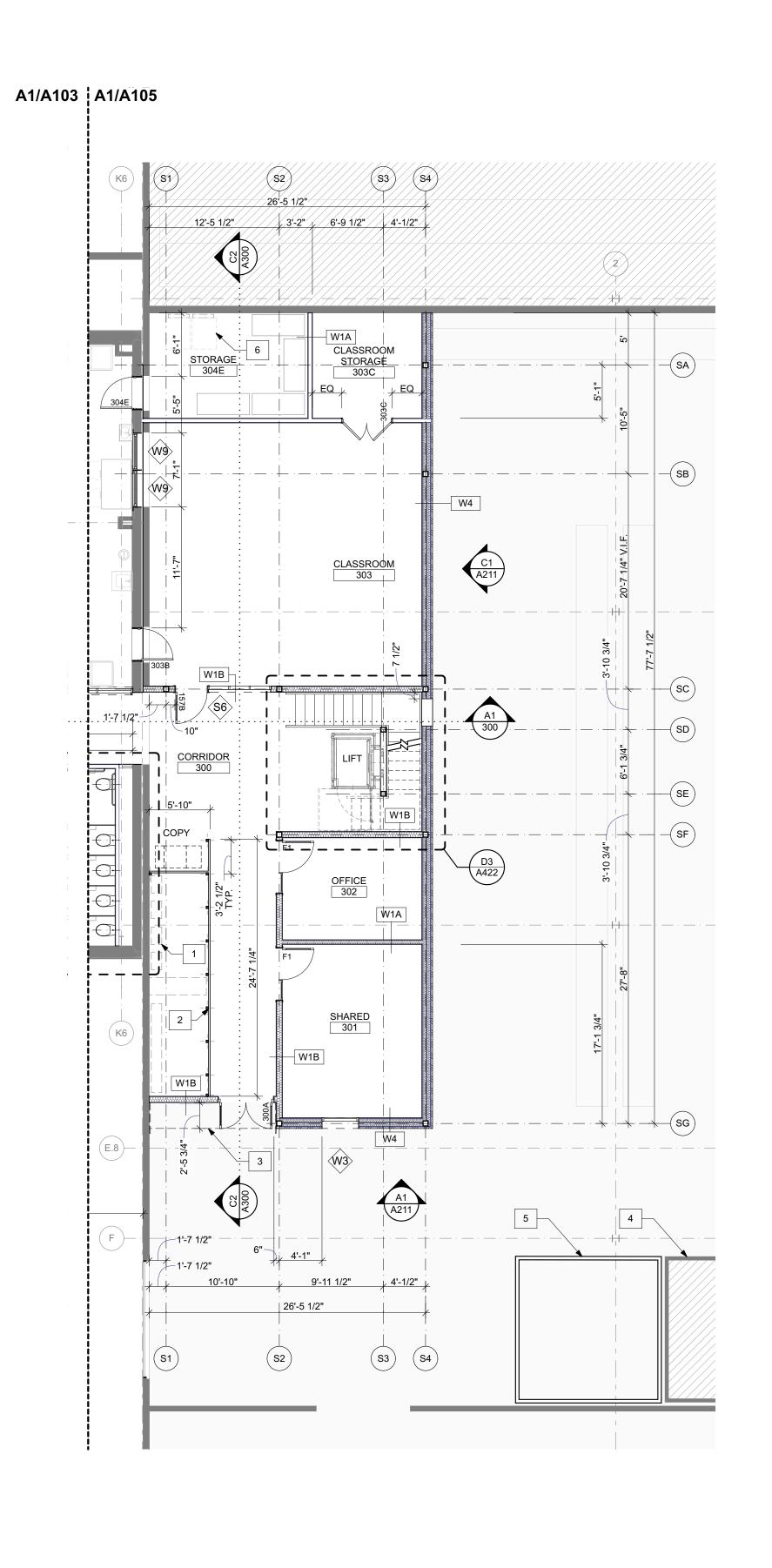
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ROOF PLAN - KITCHEN



FIRST FLOOR PLAN - FOODWORKS ADDITION

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

12'-5 1/2" 9'-11 1/2"// —(SA) COMPUTER - W4 W2A W1A CONFERENCE 322 1'-7 1/2" S3 S4

A1/A103 | C1/A105

SECOND FLOOR PLAN - FOODWORKS ADDITION SCALE: 1/8" = 1'-0"



GENERAL NOTES:

1 EXISTING ELECTRICAL TO REMAIN

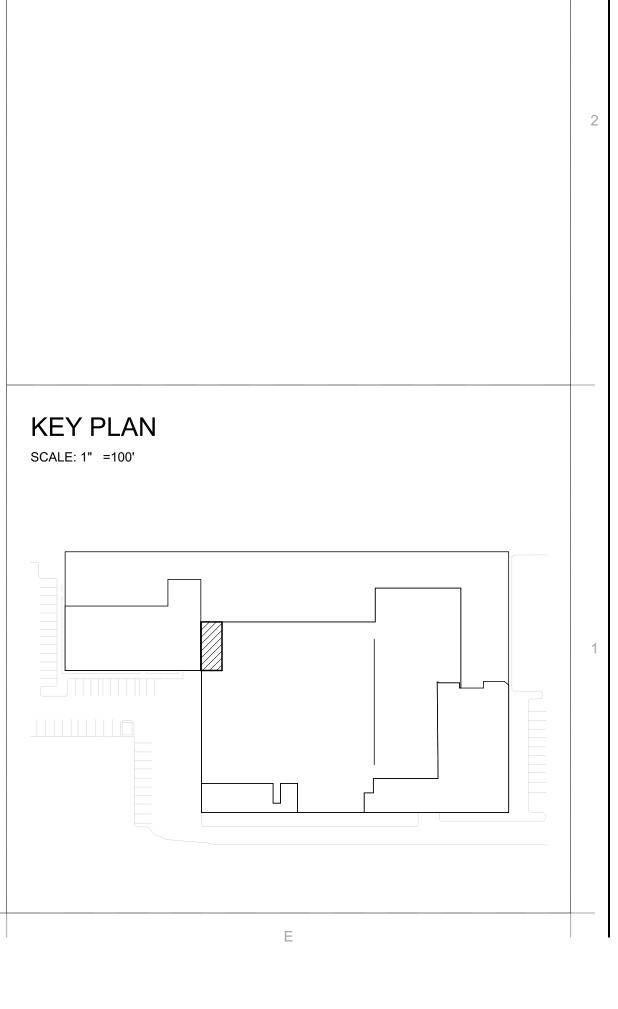
EXISTING WALK-IN TO REMAIN

RELOCATED WALK-IN COOLER

6 REMOTE SITE PANELS TO REMAIN

LINE OF SOFFIT ABOVE

LIGHT GUAGE METAL FRAMED SCREEN WALL WITH PERFORATED METAL PANELS. 7'-0"



PI.KL

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MARYLAND FOOD BANK

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CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

FOOD SERVICE DESIGN:

INTERIOR DESIGN:

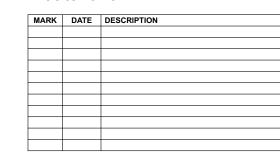
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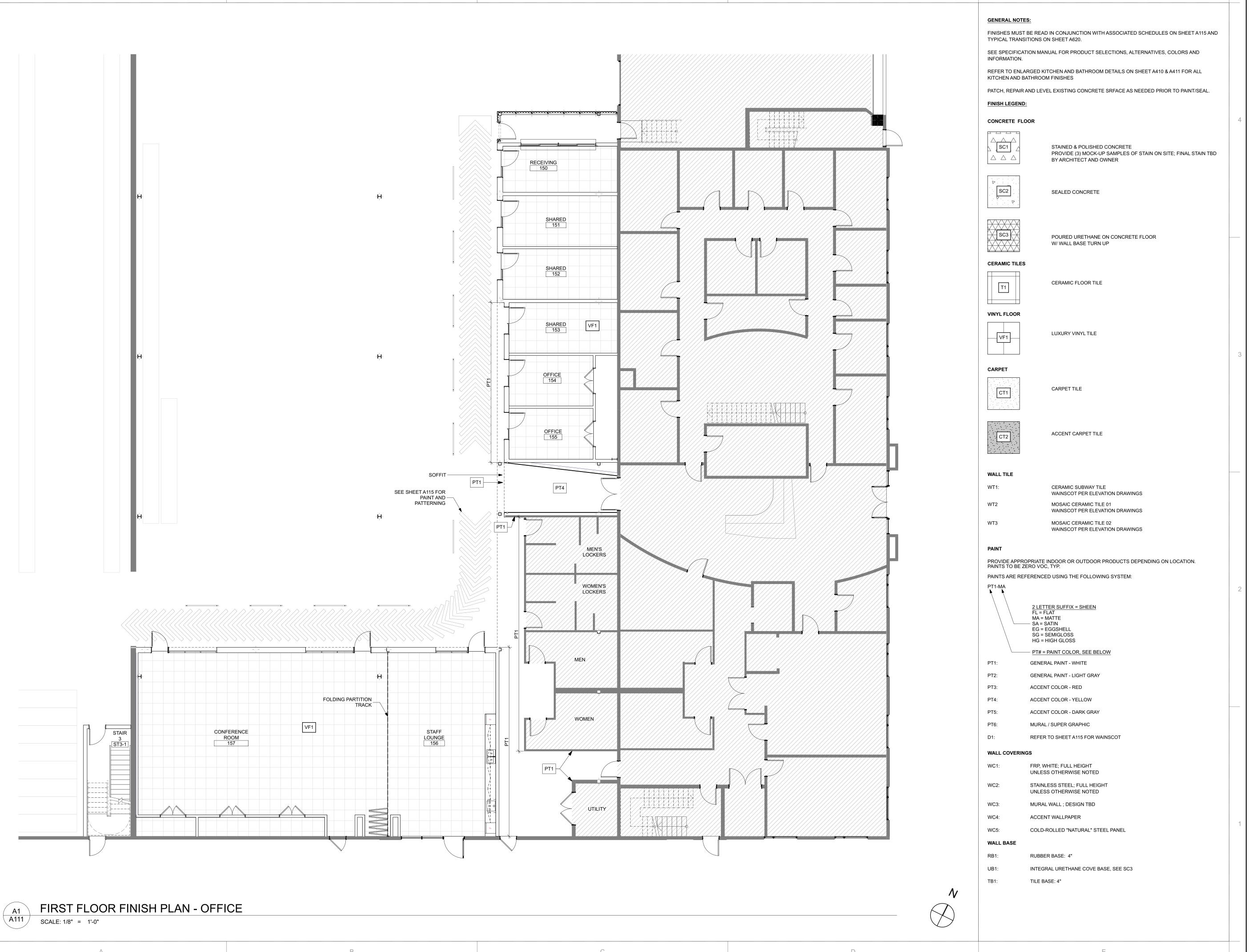
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FIRST AND SECOND FLOOR PLAN - FOOD WORKS ADDITION



pavlina ilieva kuo pao lian

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project name:

MARYLAND FOOD BANK

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2006

2200 HALETHORPE FARMS, RD

BALTIMORE, MD 21227

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CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM

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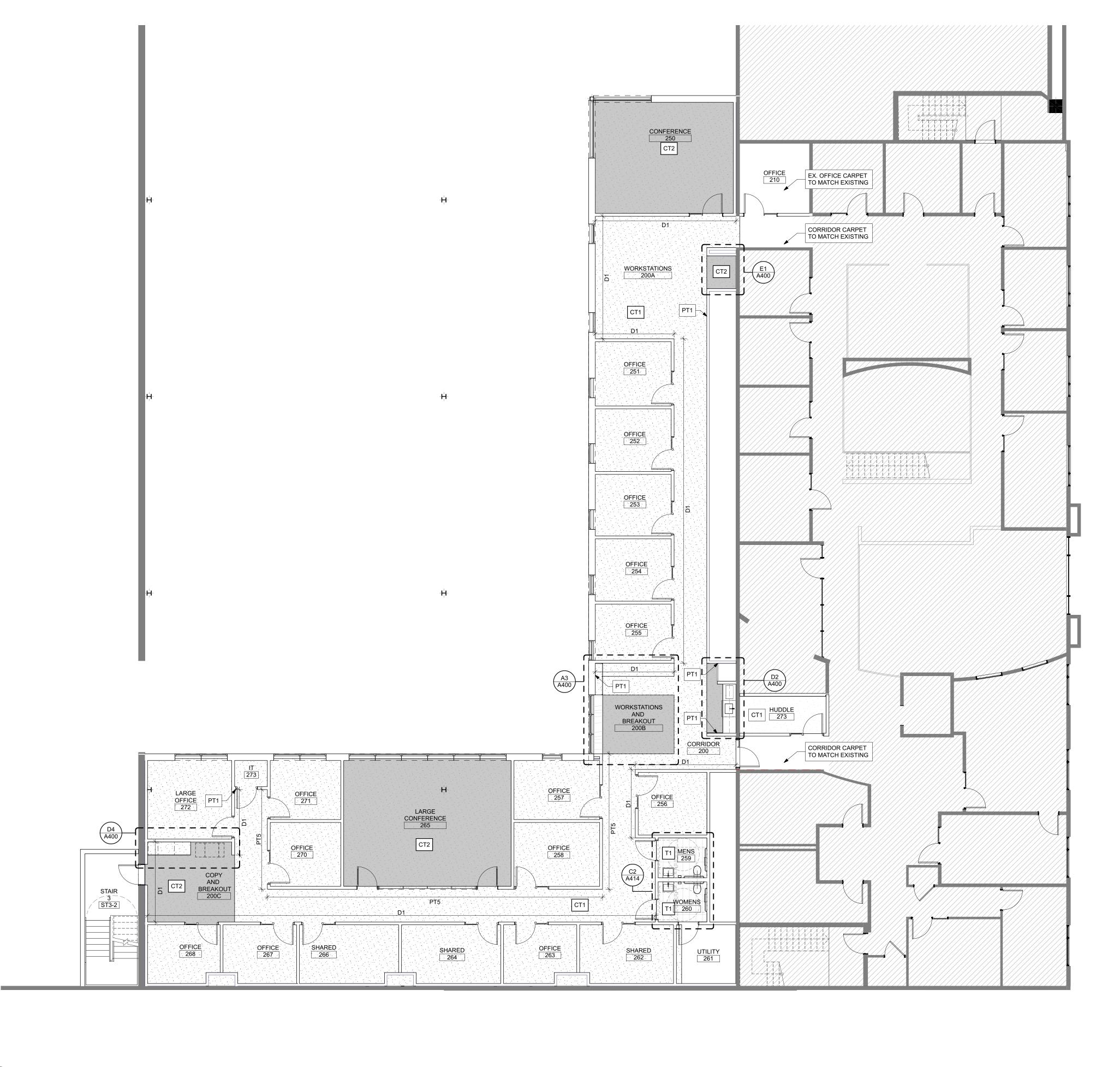
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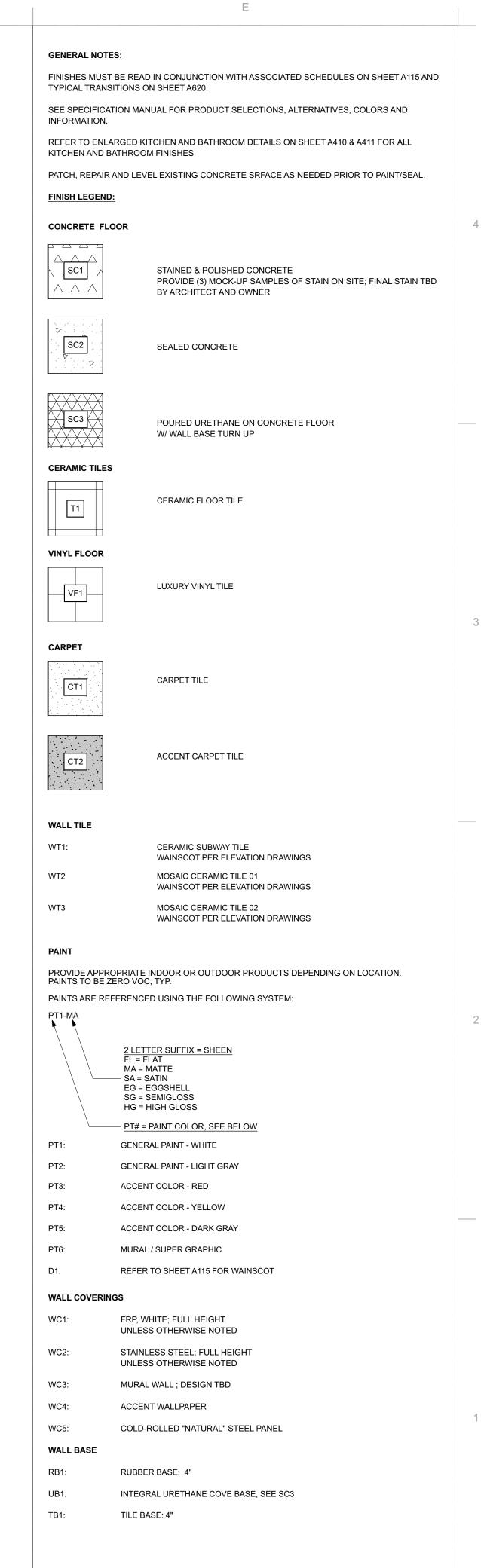
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11/30/2020

MARK DATE DESCRIPTION

FIRST FLOOR FINISH PLAN - OFFICE





pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

OWNER:

MARYLAND FOOD BANK
2200 HALETHORPE FARMS RD
BALTIMORE, MD 21227
CONTACT: RICK CONDON
443.297.5196 / rcondon@mdfoodbank.org

FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN

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443.297.5161 / aaceto@mdfoodbank.org

ARCHITECT:
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CONTACT: BRIAN BAKSA
443.928.1982 / BRIAN@PIKLSTUDIO.COM

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CONTACT: SEAN JEFFREYS

CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM

MEP ENGINEER:
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BALTIMORE, MD
CONTACT: THOMAS FOULKES

FOOD SERVICE DESIGN:
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CONTACT: JAY GARCIA

410.262.1806 / TLF@THOMASFOULKES.COM

240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

INTERIOR DESIGN:
LUUA DESIGN
BALTIMORE, MD

CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

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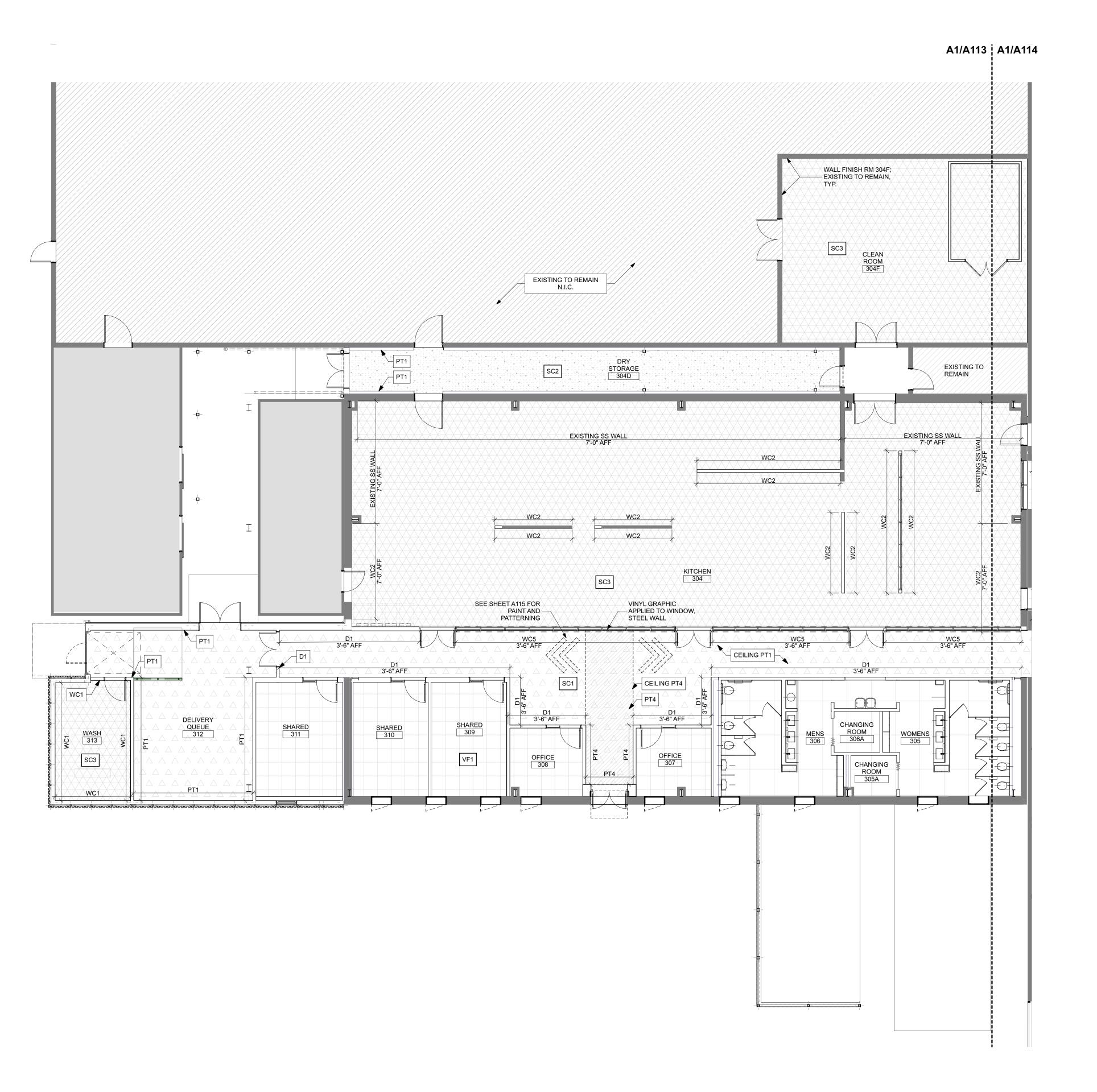
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SECOND FLOOR FINISH PLAN - OFFICE

A112

SECOND FLOOR FINISH PLAN - OFFICE

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



FINISHES MUST BE READ IN CONJUNCTION WITH ASSOCIATED SCHEDULES ON SHEET A115 AND TYPICAL TRANSITIONS ON SHEET A620. SEE SPECIFICATION MANUAL FOR PRODUCT SELECTIONS, ALTERNATIVES, COLORS AND REFER TO ENLARGED KITCHEN AND BATHROOM DETAILS ON SHEET A410 & A411 FOR ALL KITCHEN AND BATHROOM FINISHES PATCH, REPAIR AND LEVEL EXISTING CONCRETE SRFACE AS NEEDED PRIOR TO PAINT/SEAL. FINISH LEGEND: CONCRETE FLOOR SC1 STAINED & POLISHED CONCRETE PROVIDE (3) MOCK-UP SAMPLES OF STAIN ON SITE; FINAL STAIN TBD BY ARCHITECT AND OWNER SC2 SEALED CONCRETE XXXXX SC3 POURED URETHANE ON CONCRETE FLOOR W/ WALL BASE TURN UP **CERAMIC TILES** CERAMIC FLOOR TILE VINYL FLOOR LUXURY VINYL TILE CARPET CARPET TILE CT1 ACCENT CARPET TILE WALL TILE CERAMIC SUBWAY TILE WT2 MOSAIC CERAMIC TILE 01 WAINSCOT PER ELEVATION DRAWINGS WT3 MOSAIC CERAMIC TILE 02 WAINSCOT PER ELEVATION DRAWINGS PROVIDE APPROPRIATE INDOOR OR OUTDOOR PRODUCTS DEPENDING ON LOCATION. PAINTS TO BE ZERO VOC, TYP. PAINTS ARE REFERENCED USING THE FOLLOWING SYSTEM: 2 LETTER SUFFIX = SHEEN FL = FLAT MA = MATTE — SA = SATIN EG = EGGSHELL SG = SEMIGLOSS HG = HIGH GLOSS - PT# = PAINT COLOR, SEE BELOW GENERAL PAINT - WHITE PT1: PT2: GENERAL PAINT - LIGHT GRAY PT3: ACCENT COLOR - RED PT4: ACCENT COLOR - YELLOW ACCENT COLOR - DARK GRAY MURAL / SUPER GRAPHIC REFER TO SHEET A115 FOR WAINSCOT WALL COVERINGS FRP, WHITE; FULL HEIGHT UNLESS OTHERWISE NOTED WC2: STAINLESS STEEL; FULL HEIGHT UNLESS OTHERWISE NOTED MURAL WALL ; DESIGN TBD WC4: ACCENT WALLPAPER COLD-ROLLED "NATURAL" STEEL PANEL WC5: WALL BASE RUBBER BASE: 4" INTEGRAL URETHANE COVE BASE, SEE SC3

GENERAL NOTES:

PI.KL

pavlina ilieva kuo pao lian

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FOOD SERVICE DESIGN:

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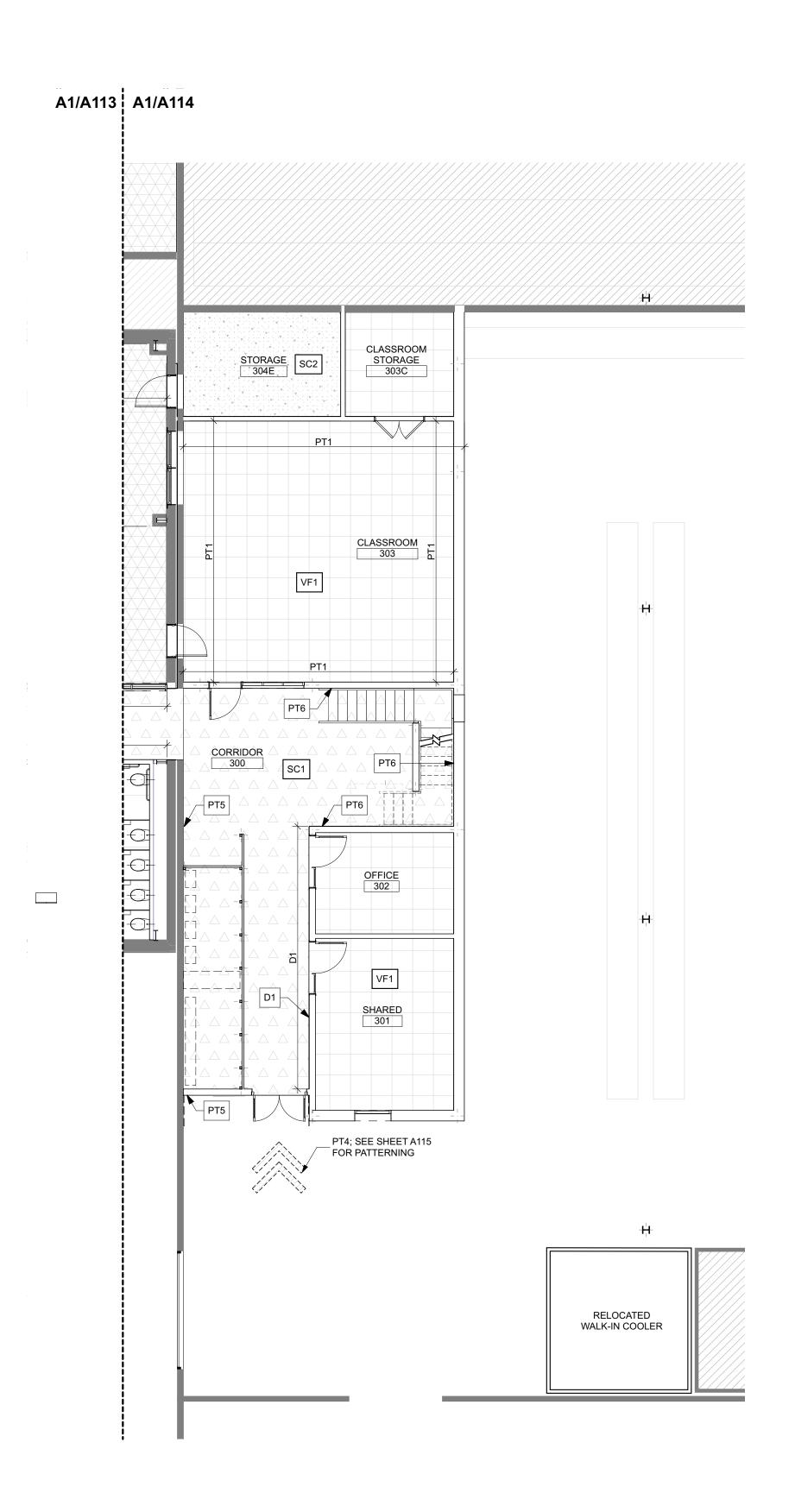
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FIRST FLOOR FINISH **PLAN - KITCHEN**

A113

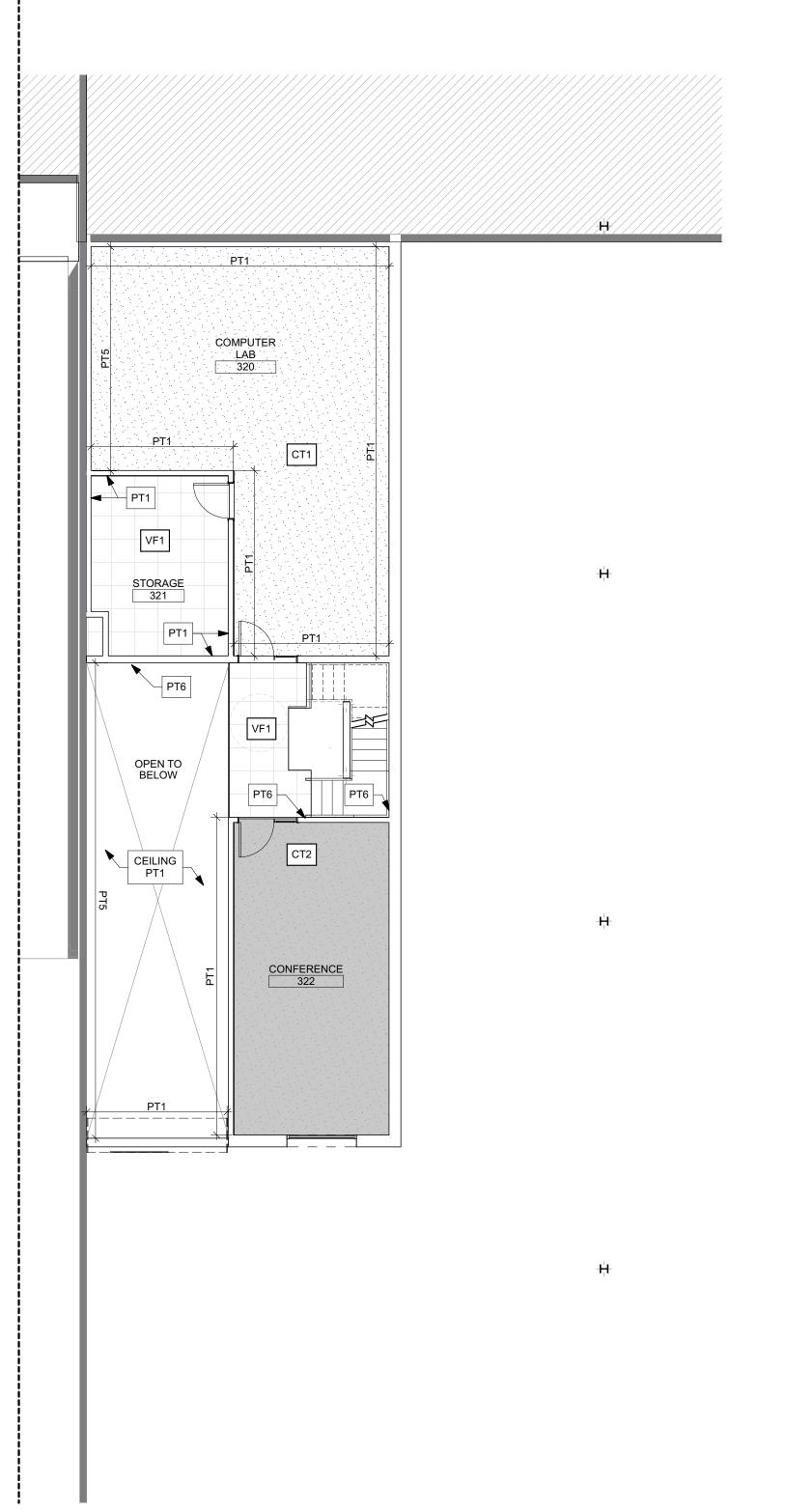
FIRST FLOOR FINISH PLAN - KITCHEN A1 A113 SCALE: 1/8" = 1'-0"

TILE BASE: 4"



FIRST FLOOR FINISH PLAN - FOODWORKS ADDITION

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



SC2 SEALED CONCRETE SC3 POURED URETHANE ON CONCRETE FLOOR W/ WALL BASE TURN UP **CERAMIC TILES** CERAMIC FLOOR TILE VINYL FLOOR LUXURY VINYL TILE CARPET TILE ACCENT CARPET TILE WALL TILE CERAMIC SUBWAY TILE WT2 MOSAIC CERAMIC TILE 01 WAINSCOT PER ELEVATION DRAWINGS WT3 MOSAIC CERAMIC TILE 02 WAINSCOT PER ELEVATION DRAWINGS PROVIDE APPROPRIATE INDOOR OR OUTDOOR PRODUCTS DEPENDING ON LOCATION. PAINTS TO BE ZERO VOC, TYP. PAINTS ARE REFERENCED USING THE FOLLOWING SYSTEM: 2 LETTER SUFFIX = SHEEN FL = FLAT MA = MATTE — SA = SATIN EG = EGGSHELL SG = SEMIGLOSS HG = HIGH GLOSS — PT# = PAINT COLOR, SEE BELOW GENERAL PAINT - WHITE PT1: GENERAL PAINT - LIGHT GRAY ACCENT COLOR - RED ACCENT COLOR - YELLOW ACCENT COLOR - DARK GRAY MURAL / SUPER GRAPHIC REFER TO SHEET A115 FOR WAINSCOT WALL COVERINGS FRP, WHITE; FULL HEIGHT UNLESS OTHERWISE NOTED WC2: STAINLESS STEEL; FULL HEIGHT UNLESS OTHERWISE NOTED MURAL WALL ; DESIGN TBD WC4: ACCENT WALLPAPER COLD-ROLLED "NATURAL" STEEL PANEL WC5:

WALL BASE

UB1:

RUBBER BASE: 4"

TILE BASE: 4"

INTEGRAL URETHANE COVE BASE, SEE SC3

GENERAL NOTES:

FINISH LEGEND:

CONCRETE FLOOR

SC1

TYPICAL TRANSITIONS ON SHEET A620.

KITCHEN AND BATHROOM FINISHES

FINISHES MUST BE READ IN CONJUNCTION WITH ASSOCIATED SCHEDULES ON SHEET A115 AND

SEE SPECIFICATION MANUAL FOR PRODUCT SELECTIONS, ALTERNATIVES, COLORS AND

REFER TO ENLARGED KITCHEN AND BATHROOM DETAILS ON SHEET A410 & A411 FOR ALL

STAINED & POLISHED CONCRETE

BY ARCHITECT AND OWNER

PROVIDE (3) MOCK-UP SAMPLES OF STAIN ON SITE; FINAL STAIN TBD

PATCH, REPAIR AND LEVEL EXISTING CONCRETE SRFACE AS NEEDED PRIOR TO PAINT/SEAL.



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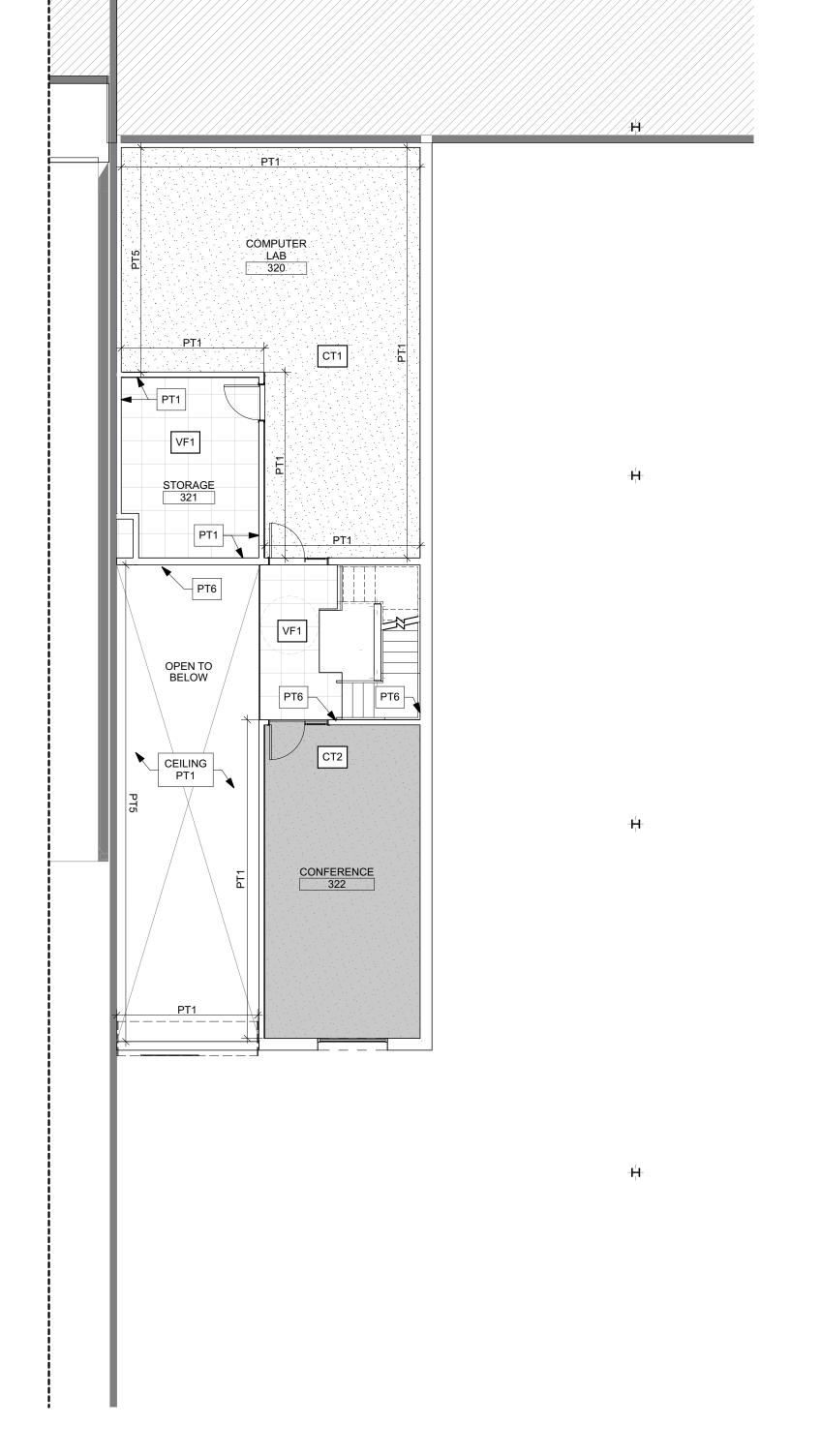
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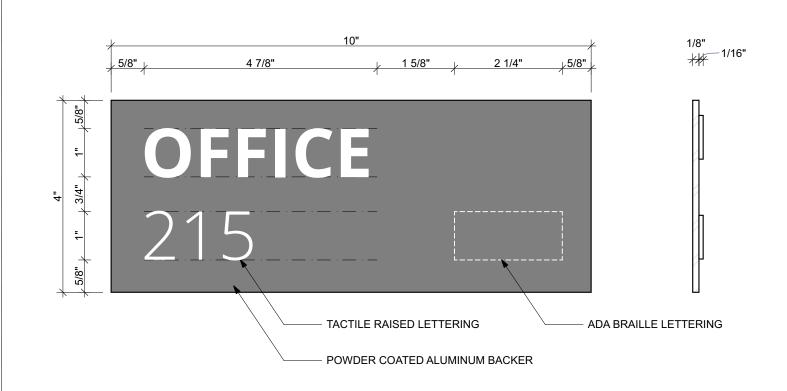
FIRST AND SECOND **FLOOR FINISH PLAN -FOOD WORKS ADDITION**

A114



SECOND FLOOR FINISH PLAN - FOODWORKS ADDITION

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



OFFICE	
215	

MOUNTING HEIGHTS

DIMENSIONED TO CENTER OF OF TACTILE LETTERING 48" MIN A.F.F. - 60" MAX A.F.F.

OFFICE SIGNAGE

SCALE: 6" = 1'-0"

	FINISH SCHEDULE - CONFERENCE ROOMS									
	ROOM	FLOOR			W	DEMARKS				
NO.	NAME	FLOOK	CEILING	BASE	NORTH	EAST	SOUTH	WEST	REMARKS	
157	CONFERENCE ROOM	CT1	PT1	RB1	PT5	PT1	PT1	PT1		
250	CONFERENCE	СТЗ	PT4	RB1	PT5	PT5	PT4	PT4		
265	LARGE CONFERENCE	CT2	PT4	RB1	PT5	PT5	PT4	PT4		
322	CONFERENCE	CT1	PT4	RB1	PT4	PT5	PT5	PT4		

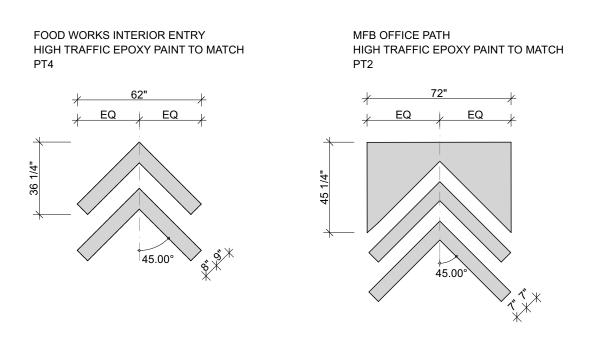
FINISH SCHEDULE - CONFERENCE ROOMS

SCALE: 1' = 1'-0"

FINISH SCHEDULE - OFFICE									
NAME	CTODY	TORY FLOOR	WALLS						REMARKS
NAME STO	SIORI		WALL	BASE	NORTH	EAST	SOUTH	WEST	REWIARRS
SHARED	1st FLOOR	VF1	PT1	RB1	PT1	PT1	PT1	PT1	
OFFICE	1st FLOOR	VF1	PT1	RB1	PT1	PT1	PT1	PT1	
SHARED	2nd FLOOR	CT1	PT1	RB1	PT1	PT1	PT1	PT1	
SHARED	2nd FLOOR	CT1	PT1	RB1	PT1	PT1	PT1	PT1	
OFFICE	2nd FLOOR	CT1	PT1	RB1	PT1	PT1	PT1	PT1	
		1				I	1	I	

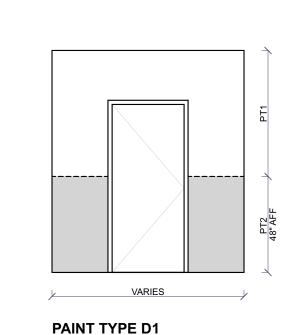
FINISH SCHEDULE - OFFICES

SCALE: 1' = 1'-0"



ARROW SUPERGRAPHICS

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



CORRIDOR PAINT WAINSCOT

D1 - OFFICE CORRIDOR PT WAINSCOT

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

GENERAL NOTES:

FINISHES MUST BE READ IN CONJUNCTION WITH ASSOCIATED SCHEDULES ON SHEET A115 AND TYPICAL TRANSITIONS ON SHEET A620.

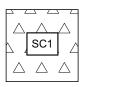
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PATCH, REPAIR AND LEVEL EXISTING CONCRETE SRFACE AS NEEDED PRIOR TO PAINT/SEAL.

FINISH LEGEND:

CONCRETE FLOOR

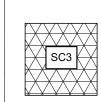


STAINED & POLISHED CONCRETE

PROVIDE (3) MOCK-UP SAMPLES OF STAIN ON SITE; FINAL STAIN TBD BY ARCHITECT AND OWNER



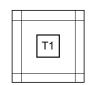
SEALED CONCRETE



POURED URETHANE ON CONCRETE FLOOR

W/ WALL BASE TURN UP

CERAMIC TILES



CERAMIC FLOOR TILE

VINYL FLOOR



LUXURY VINYL TILE

CARPET



CARPET TILE



ACCENT CARPET TILE

WALL TILE

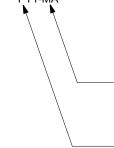
CERAMIC SUBWAY TILE WT1: WT2 MOSAIC CERAMIC TILE 01

WAINSCOT PER ELEVATION DRAWINGS WT3

MOSAIC CERAMIC TILE 02 WAINSCOT PER ELEVATION DRAWINGS

PROVIDE APPROPRIATE INDOOR OR OUTDOOR PRODUCTS DEPENDING ON LOCATION. PAINTS TO BE ZERO VOC, TYP.

PAINTS ARE REFERENCED USING THE FOLLOWING SYSTEM:



2 LETTER SUFFIX = SHEEN FL = FLAT MA = MATTE — SA = SATIN EG = EGGSHELL SG = SEMIGLOSS HG = HIGH GLOSS

— PT# = PAINT COLOR, SEE BELOW

GENERAL PAINT - WHITE

GENERAL PAINT - LIGHT GRAY ACCENT COLOR - RED

ACCENT COLOR - YELLOW

ACCENT COLOR - DARK GRAY

MURAL / SUPER GRAPHIC

REFER TO SHEET A115 FOR WAINSCOT

WALL COVERINGS

UNLESS OTHERWISE NOTED WC2: STAINLESS STEEL; FULL HEIGHT UNLESS OTHERWISE NOTED MURAL WALL; DESIGN TBD WC4: ACCENT WALLPAPER

FRP, WHITE; FULL HEIGHT

COLD-ROLLED "NATURAL" STEEL PANEL WC5:

WALL BASE

RUBBER BASE: 4"

INTEGRAL URETHANE COVE BASE, SEE SC3

TILE BASE: 4"

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pavlina ilieva kuo pao lian

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18219-A FLOWER HILL WAY

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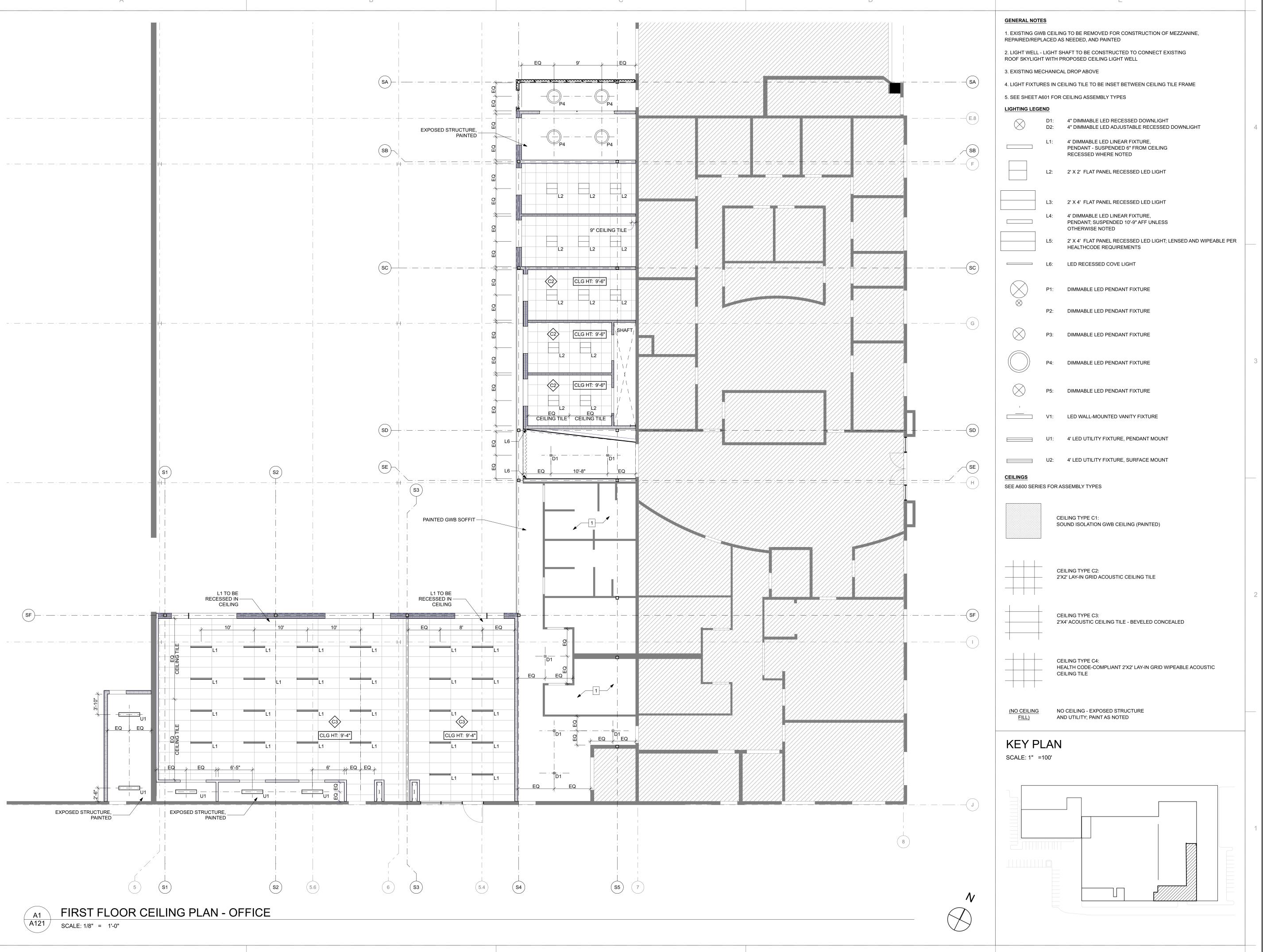
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FINISH SCHEDULE



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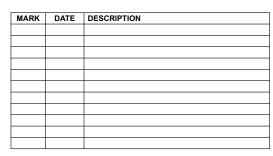
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FIRST FLOOR REFLECTED CEILING **PLAN - OFFICE**



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FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY

INTERIOR DESIGN:

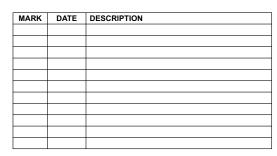
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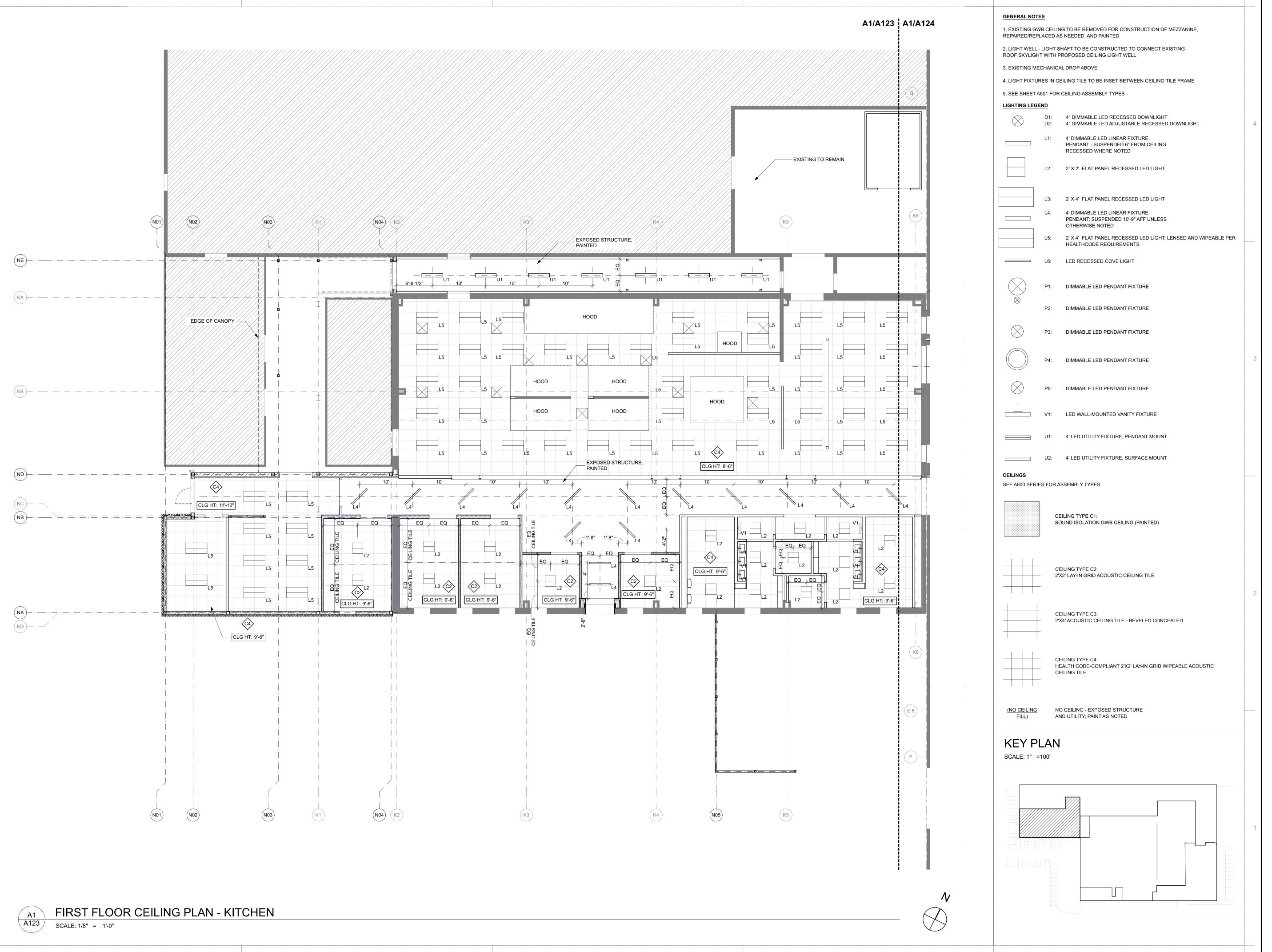
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SECOND FLOOR REFLECTED CEILING **PLAN - OFFICE**



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CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org

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FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

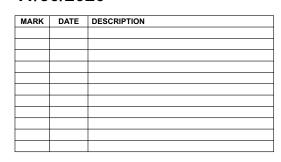
INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

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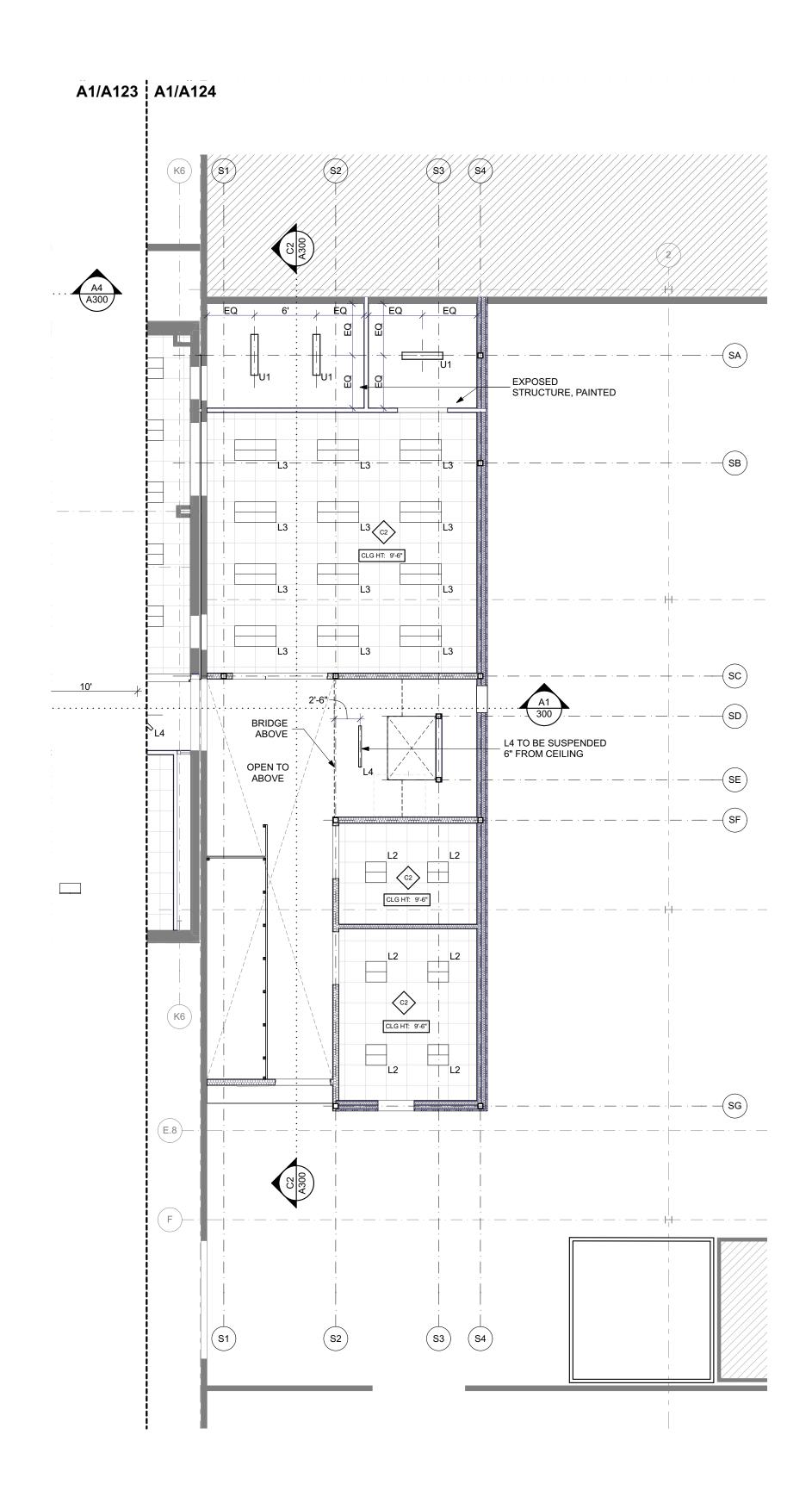
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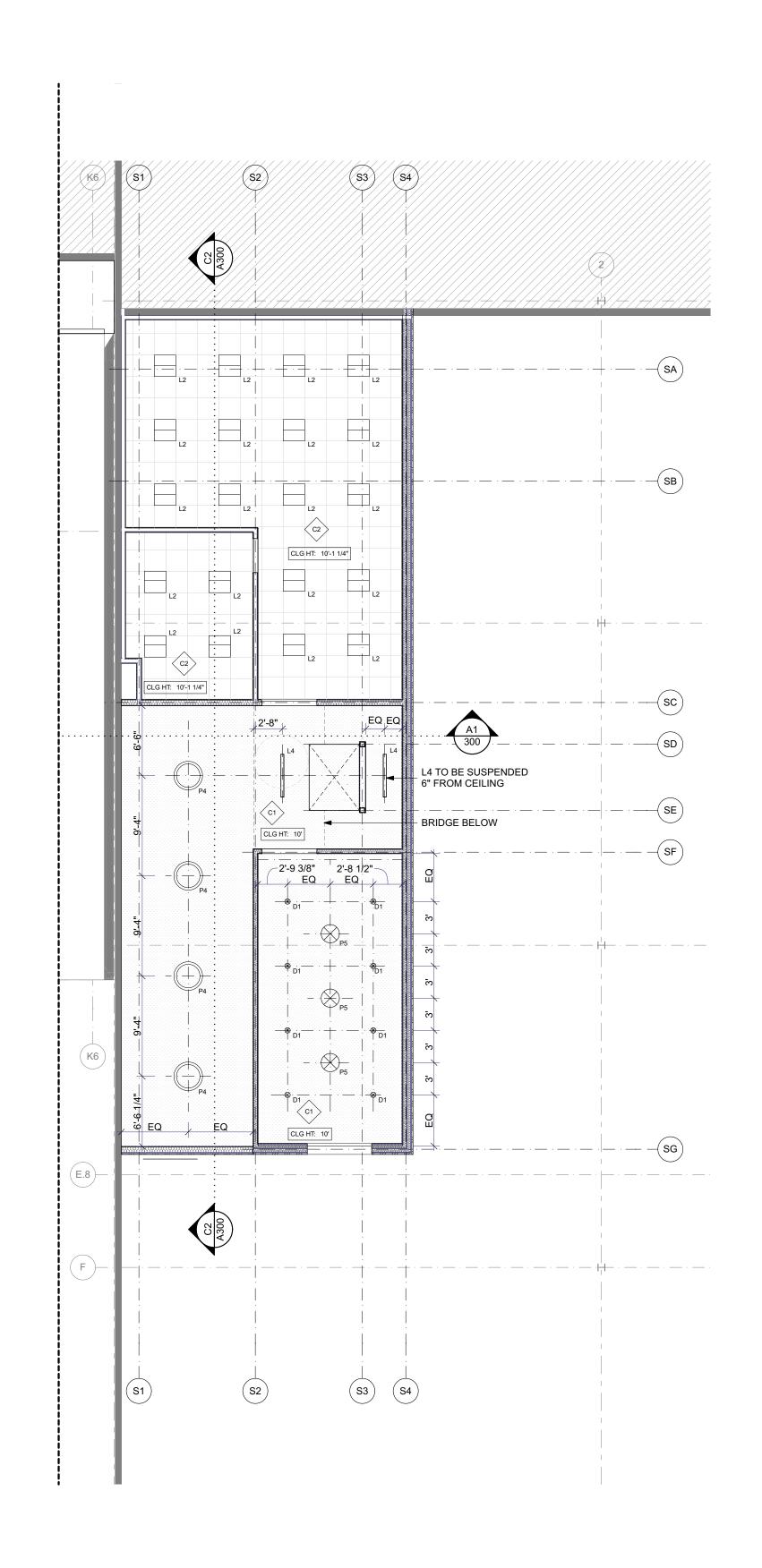


FIRST FLOOR REFLECTED CEILING **PLAN - KITCHEN**



FIRST FLOOR CEILING PLAN - FOODWORKS ADDITION

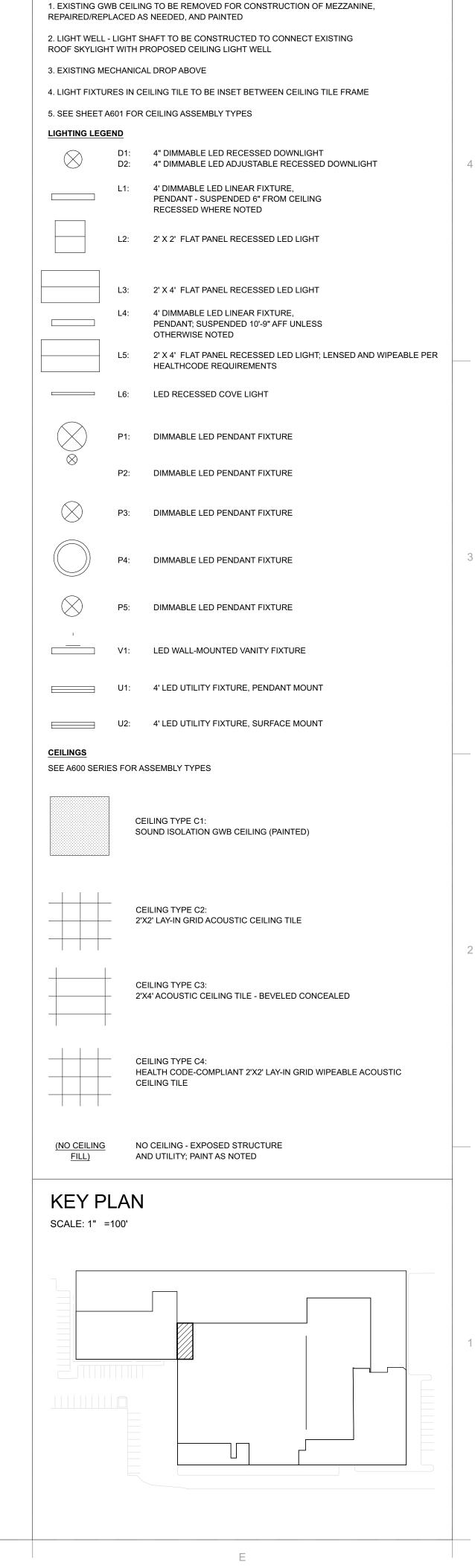
SCALE: 1/8" = 1'-0"



SECOND FLOOR CEILING PLAN - FOODWORKS ADDITION

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





GENERAL NOTES

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project number:

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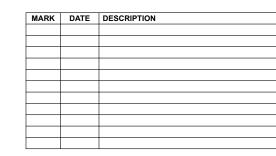
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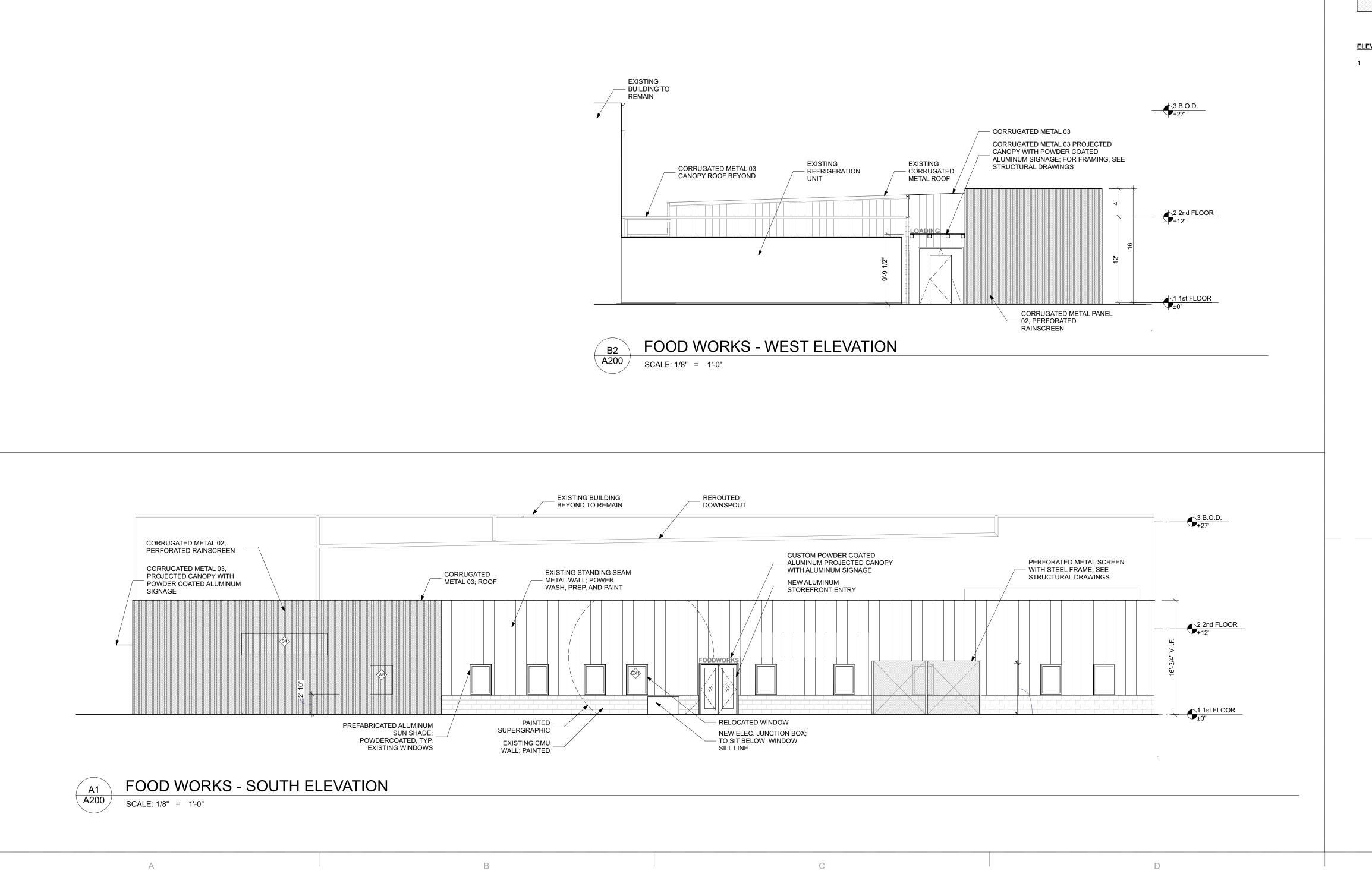
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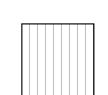
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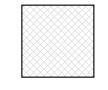
FIRST AND SECOND FLOOR RCP - FOOD WORKS ADDITION



MATERIAL LEGEND STANDING SEAM METAL - EXISTING PAINT BLACK **CONCRETE MASONRY UNIT - EXISTING** PAINT BLACK **CORRUGATED METAL 01** INTERIOR CORRUGATED METAL PANELS (WITH PERFORATION: 01P) **CORRUGATED METAL 02** EXTERIOR CORRUGATED METAL PANELS



EXTERIOR WALL/ROOF CORRUGATED METAL PANEL



PERFORATED METAL SCREEN ALUMINUM PERFORATED SHEET PANELS INTERIOR/EXTERIOR APPLICATIONS

WITH PERFORATIONS

CORRUGATED METAL 03

ELEVATION NOTES:

1 PROVIDE TAMLYN XTREMETRIM DETAILS AT ALL METAL PANEL SIDING

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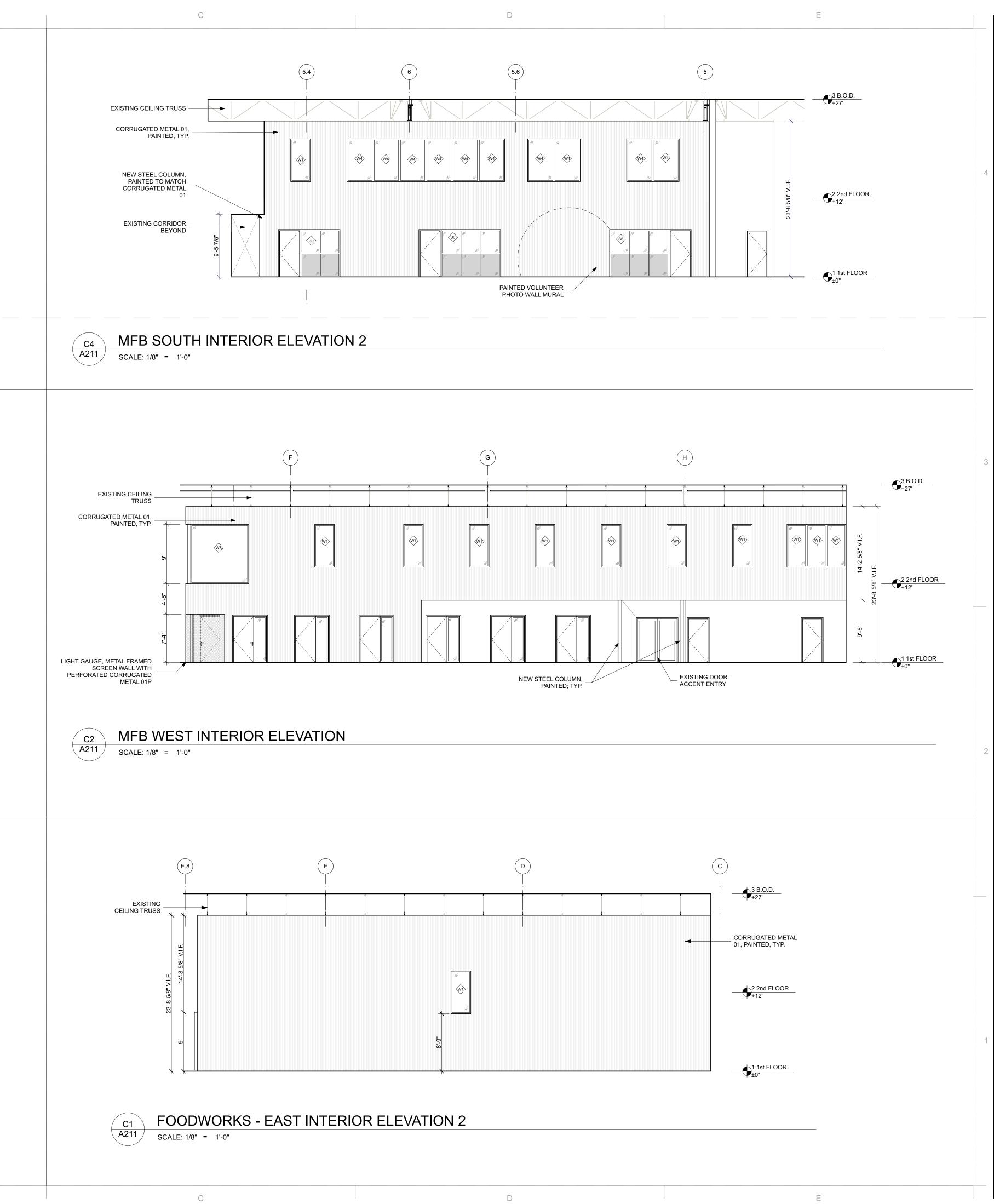
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BUILDING ELEVATIONS



5.4

EXISTING CEILING TRUSS -

CORRUGATED METAL

LIGHT GAUGE, METAL FRAMED

EXISTING CEILING

CORRUGATED METAL

STOREFRONT DOOR

A211

01, PAINTED, TYP.

PTD ALUMINUM

SIGNAGE

& WINDOW

→FOODWORKS

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

FOODWORKS - SOUTH INTERIOR ELEVATION 2

TRUSS

SCREEN WALL WITH PERFORATED CORRUGATED METAL 01, PAINTED.

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

MFB SOUTH INTERIOR ELEVATION 1

01, PAINTED, TYP.

3 B.O.D. +27'

2 2nd FLOOR +12'

1 1st FLOOR ±0"

3 B.O.D. +27'

2 2nd FLOOR +12'

1 1st FLOOR

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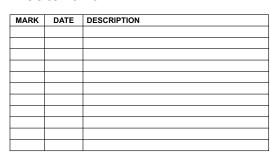
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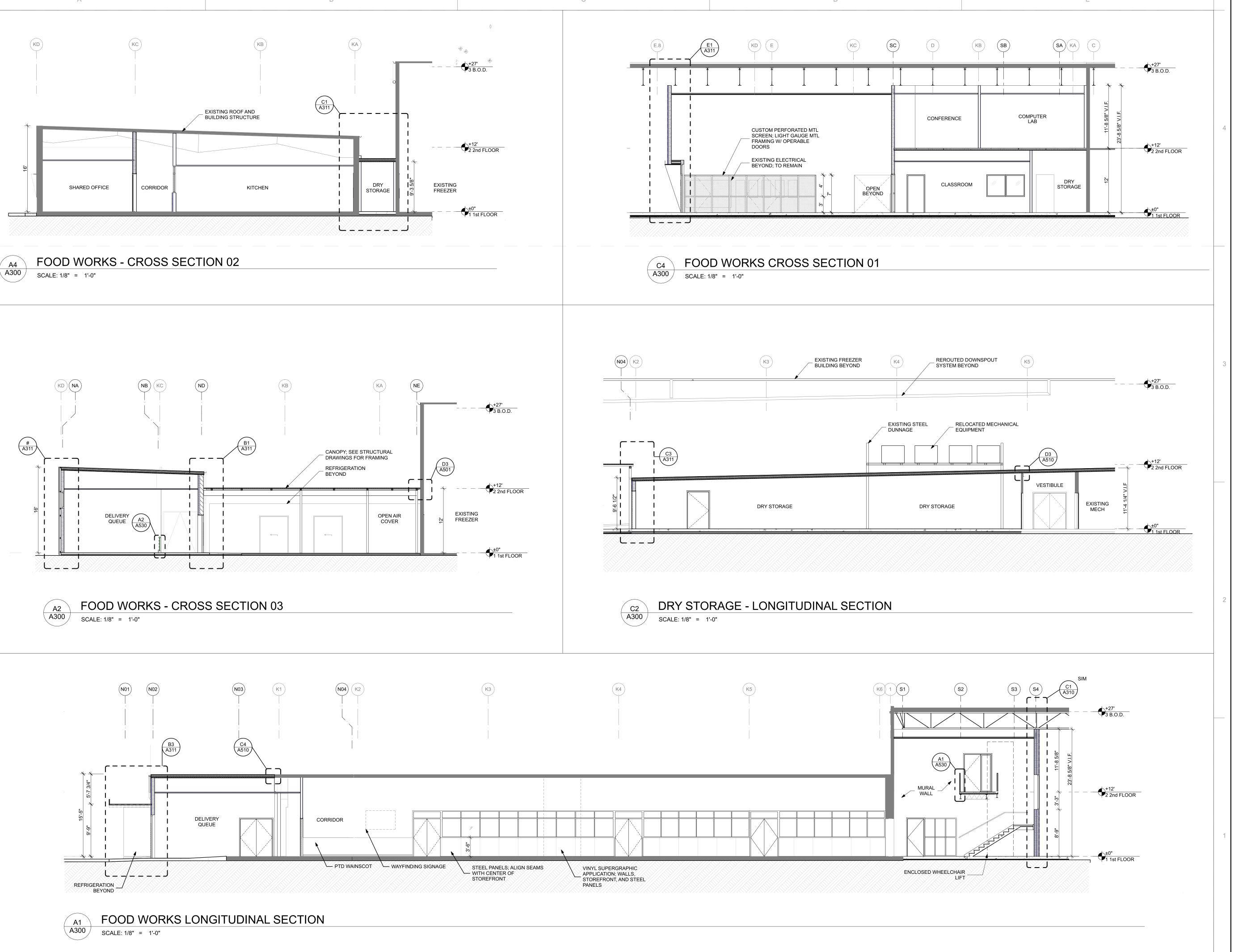
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INTERIOR ELEVATIONS



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NYIKOS GARCIA

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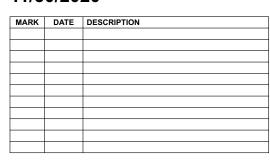
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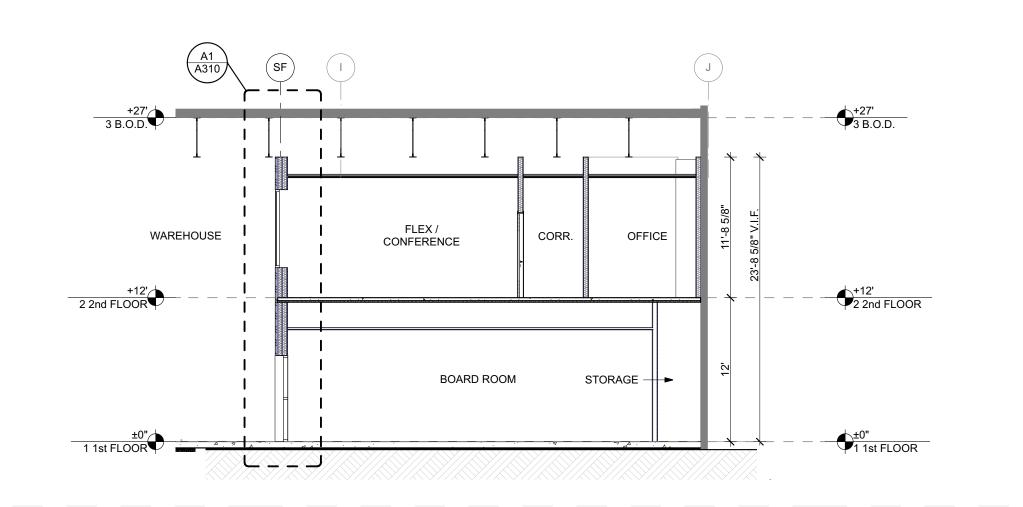
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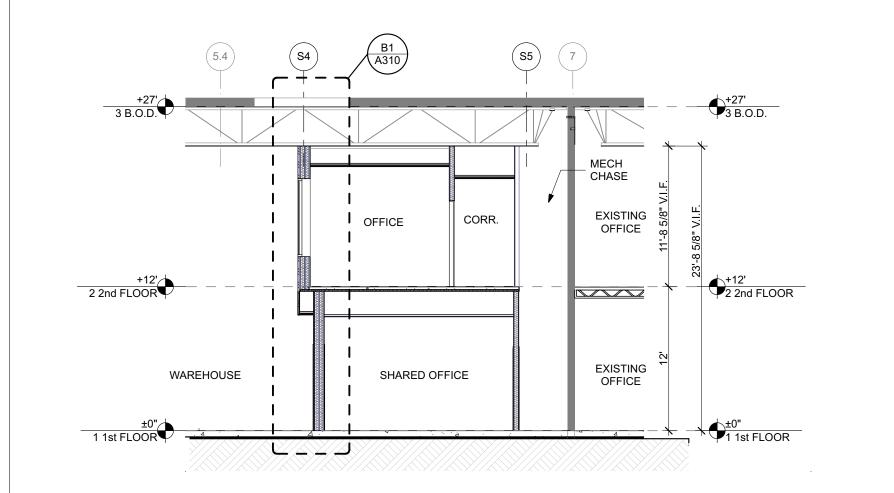
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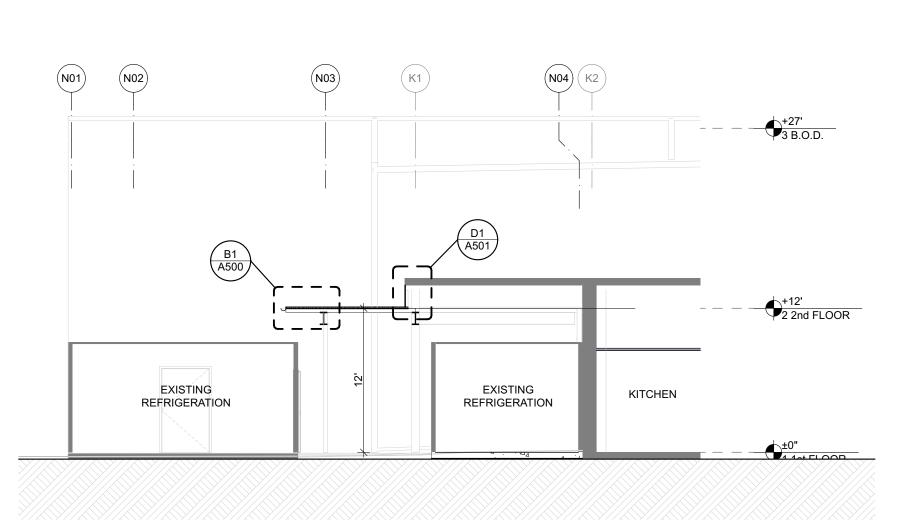
BUILDING SECTIONS

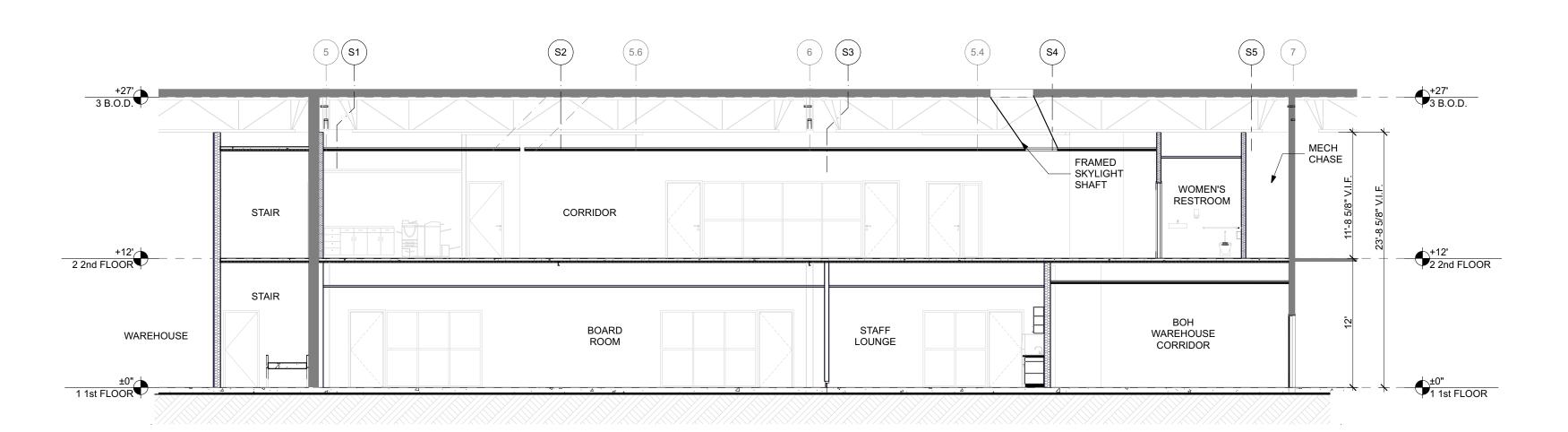




MFB OFFICE 2ND FLOOR SECTION 2 A301 SCALE: 1/8" = 1'-0"

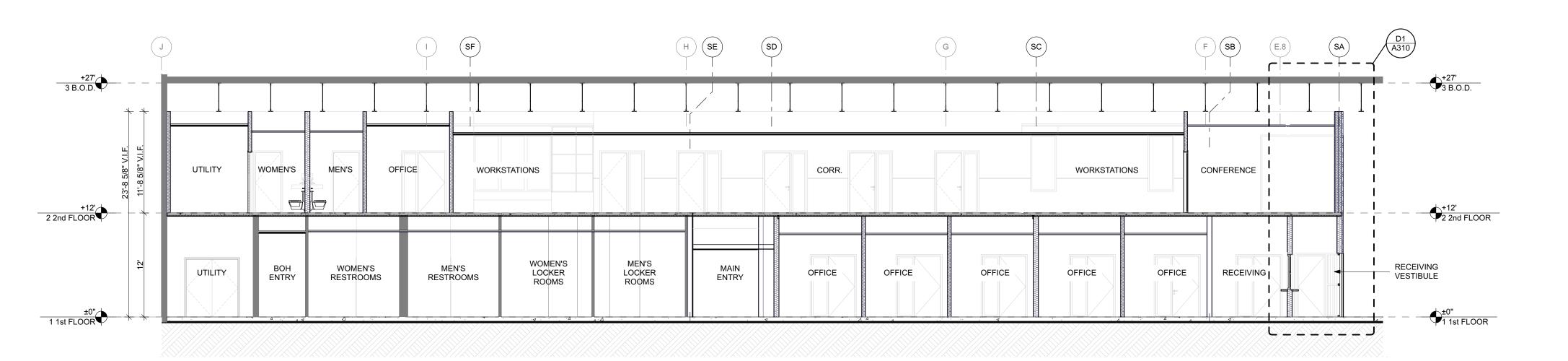
MFB OFFICE 2ND FLOOR SECTION 1 D4 A301 SCALE: 1/8" = 1'-0"





FW SECTION THROUGH CANOPY SCALE: 1/8" = 1'-0"

MFB OFFICES - LONGITUDINAL SECTION 02 B2 A301 SCALE: 1/8" = 1'-0"



MFB OFFICES - LONGITUDINAL SECTION 01 SCALE: 1/8" = 1'-0"

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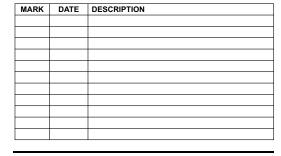
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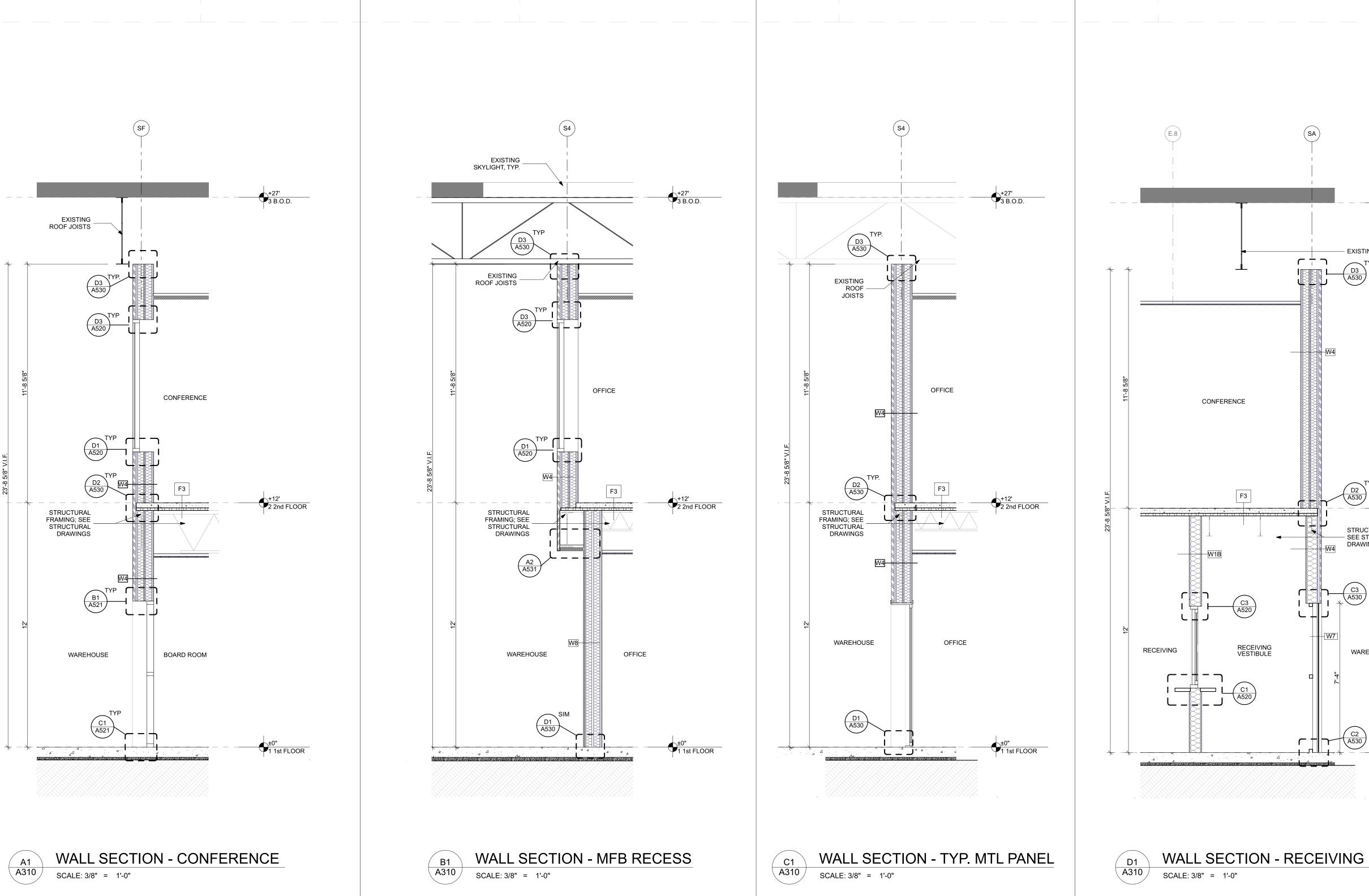
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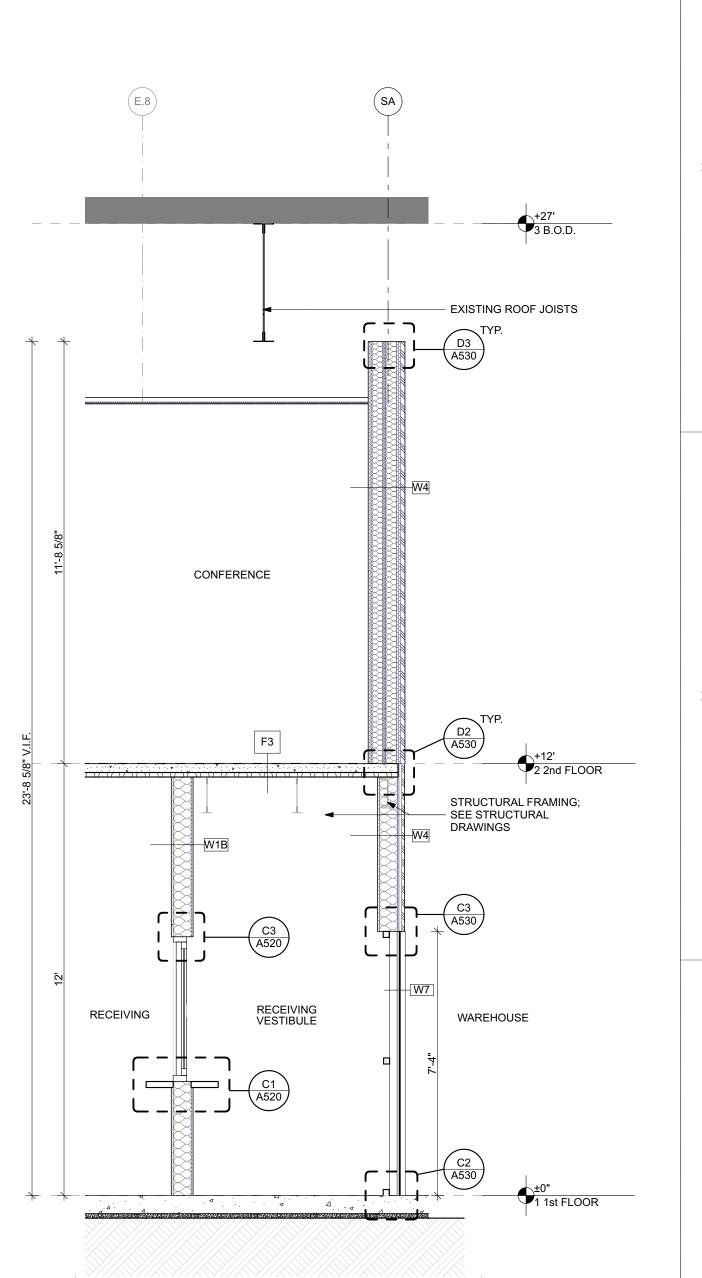
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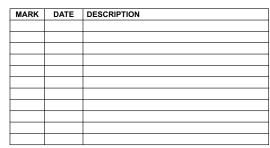
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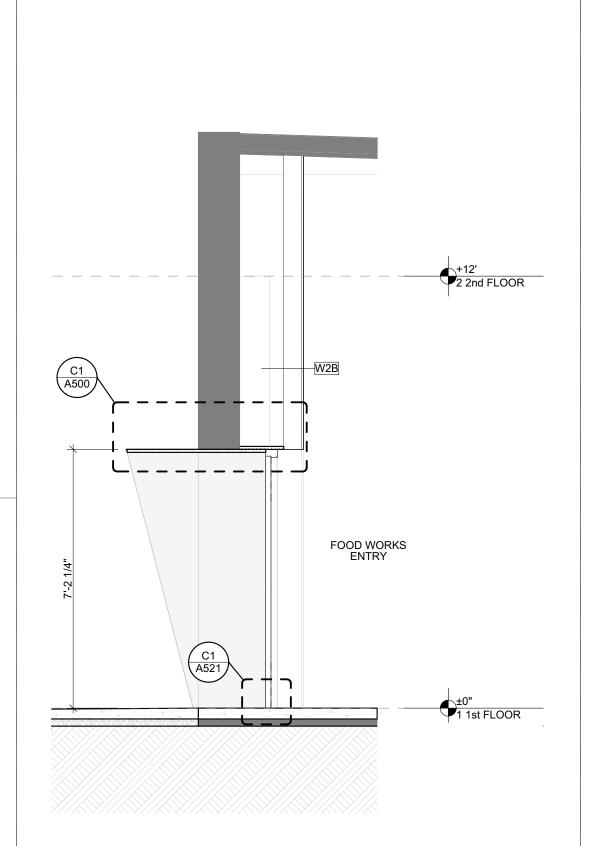
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WALL SECTIONS





STRUCTURAL FRAMING; — SEE STRUCTURAL

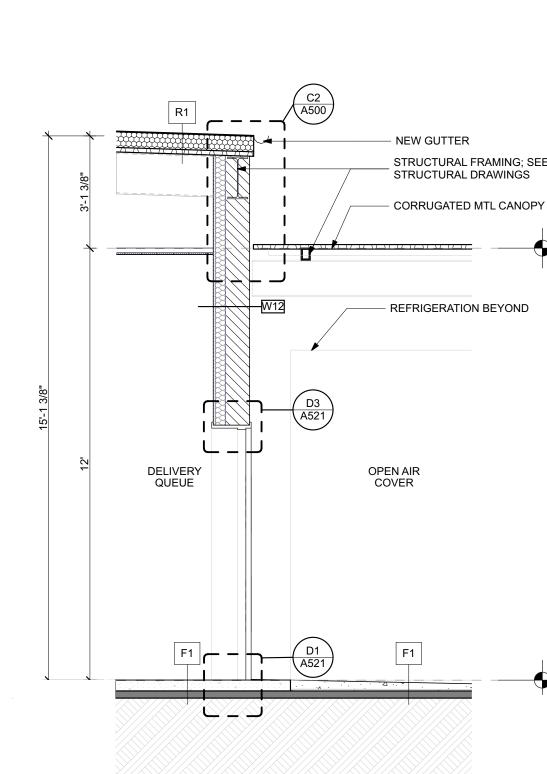
DELIVERY QUEUE

EXISTING **GRAVEL BED**

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

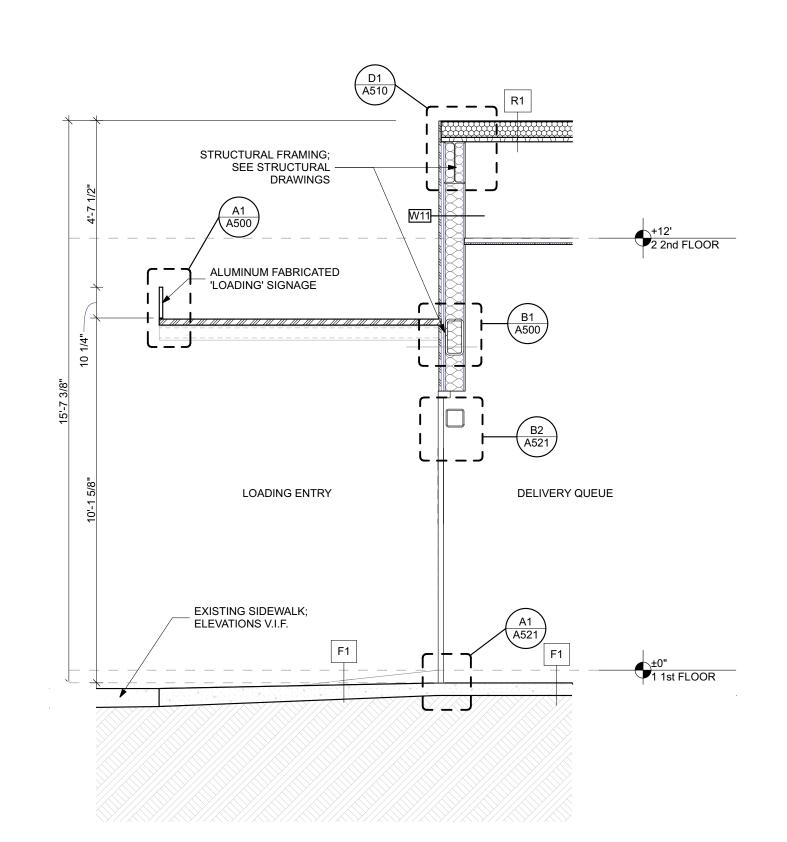
A311

+12' 2 2nd FLOOR

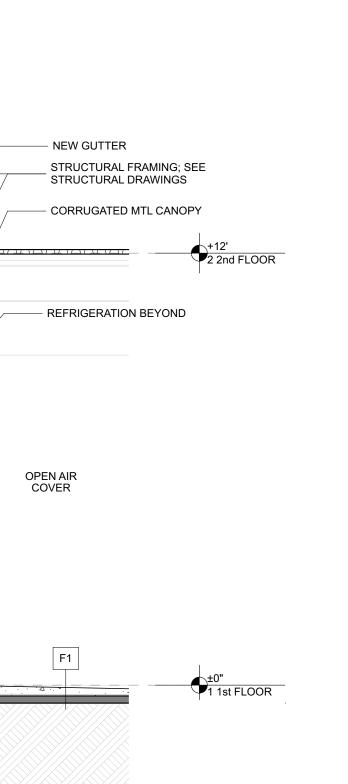


WALL SECTION - RAINSCREEN





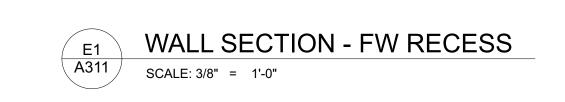
WALL SECTION - LOADING ENTRY SCALE: 3/8" = 1'-0"

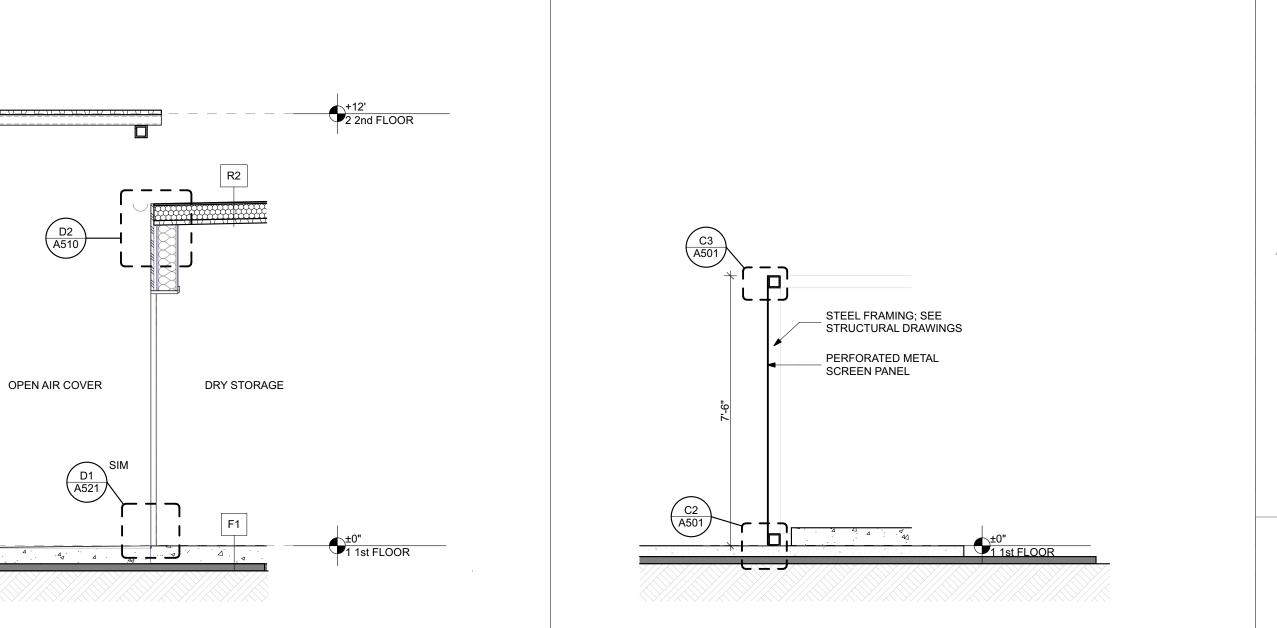




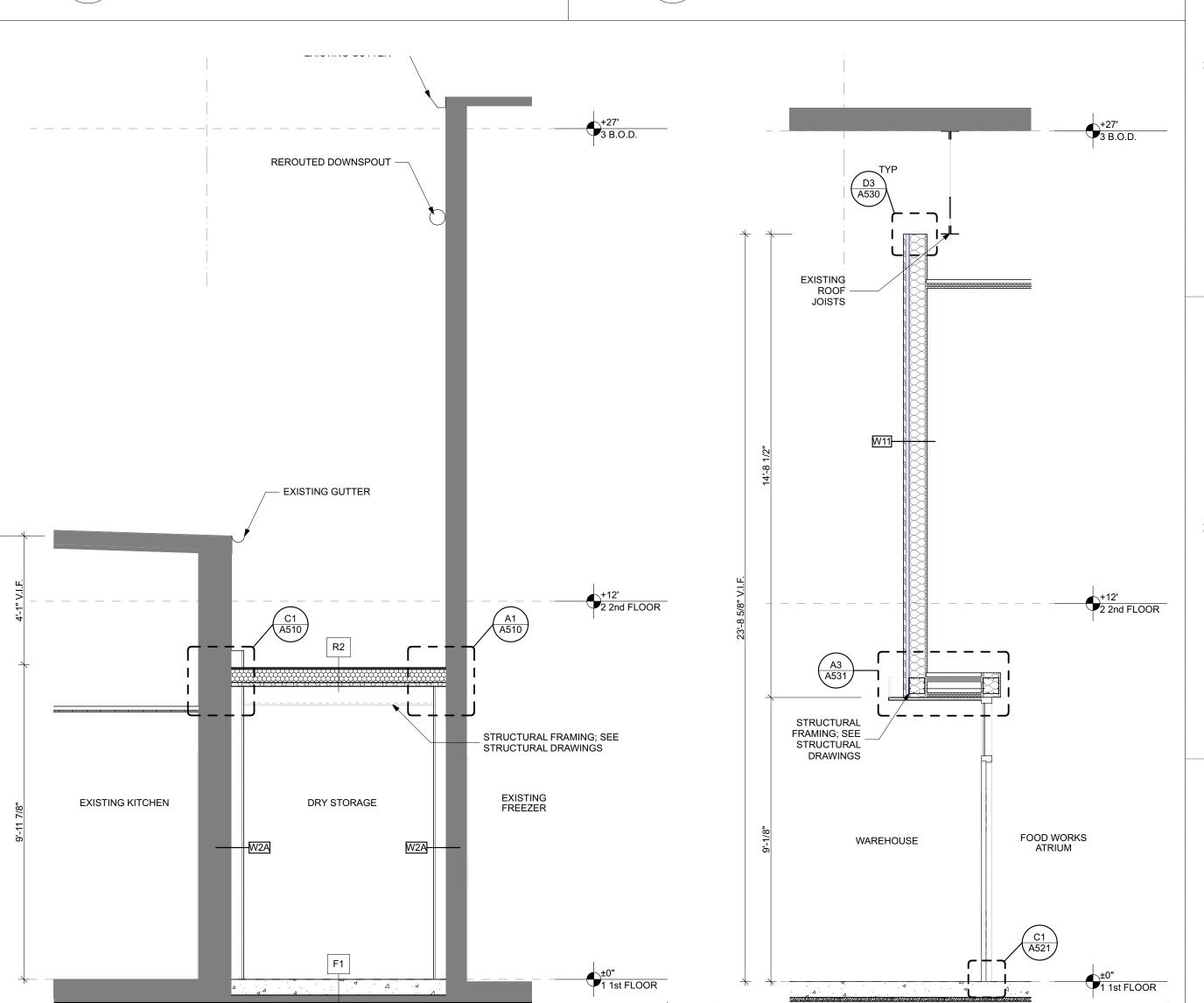
WALL SECTION - DRY STORAGE 2

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





WALL SECTION - TYP. METAL SCREEN SCALE: 3/8" = 1'-0"



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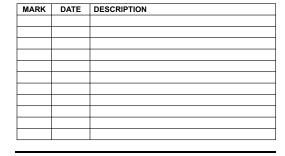
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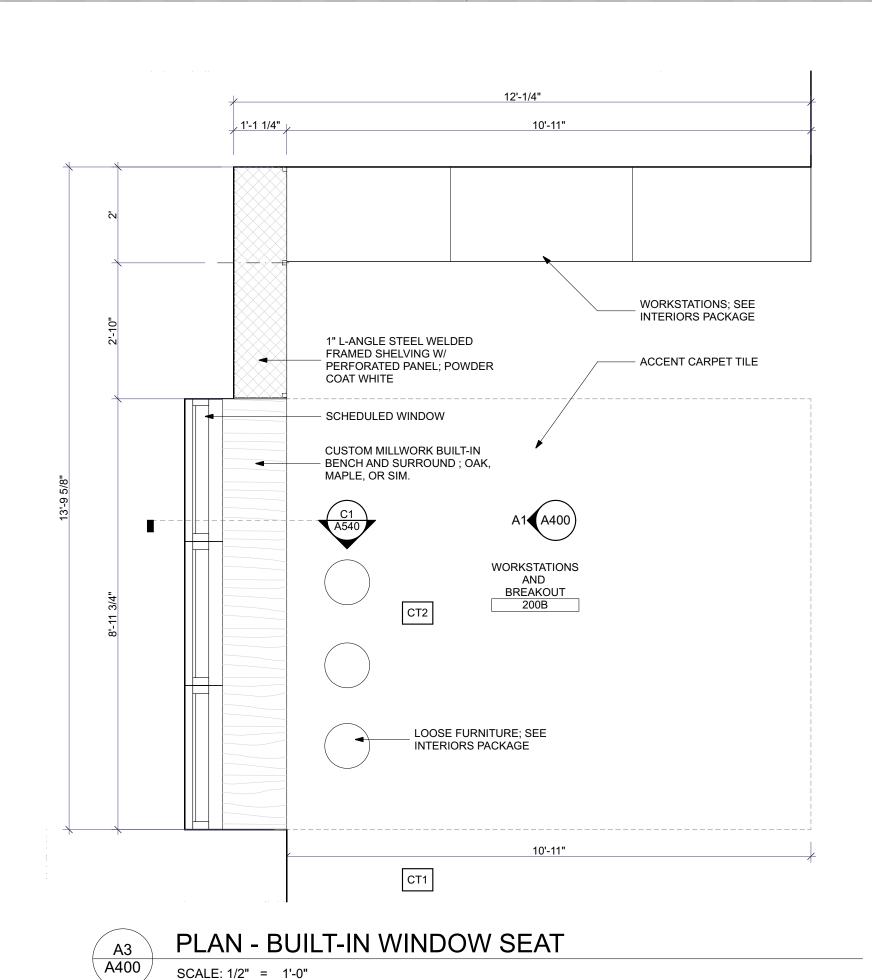
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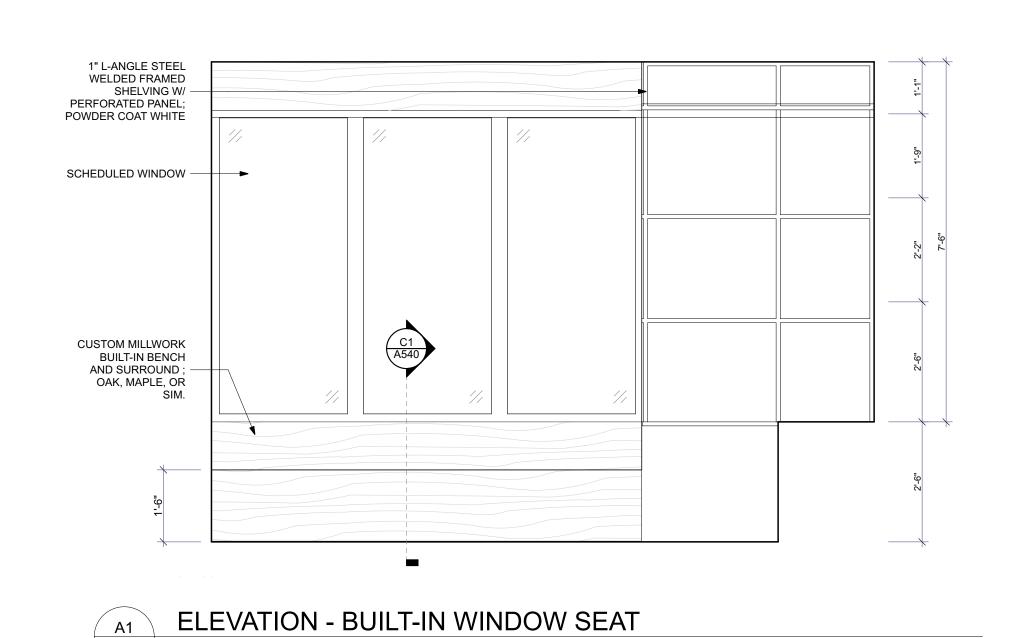
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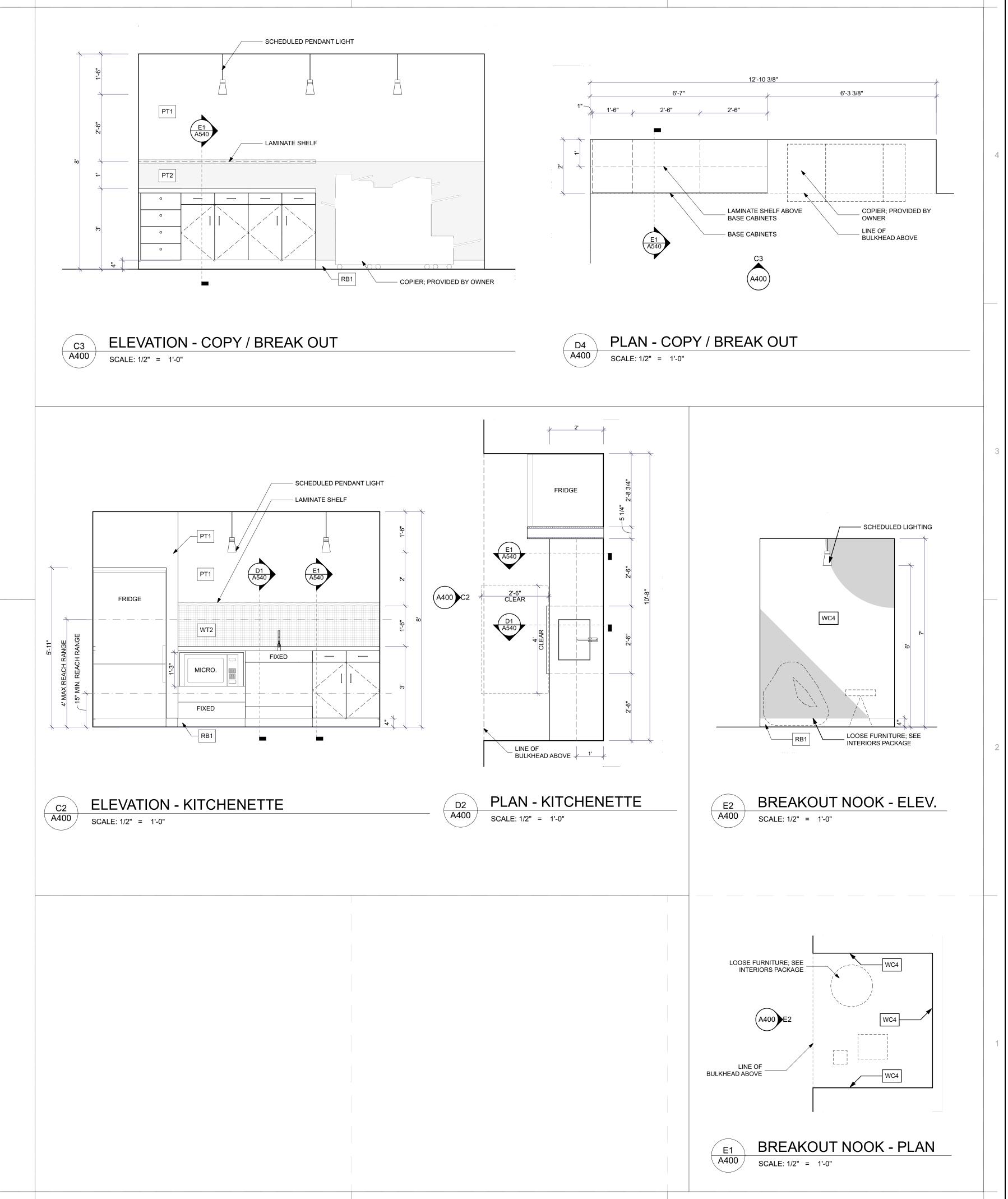


WALL SECTIONS





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



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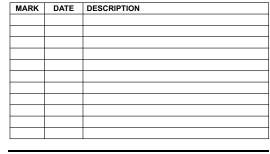
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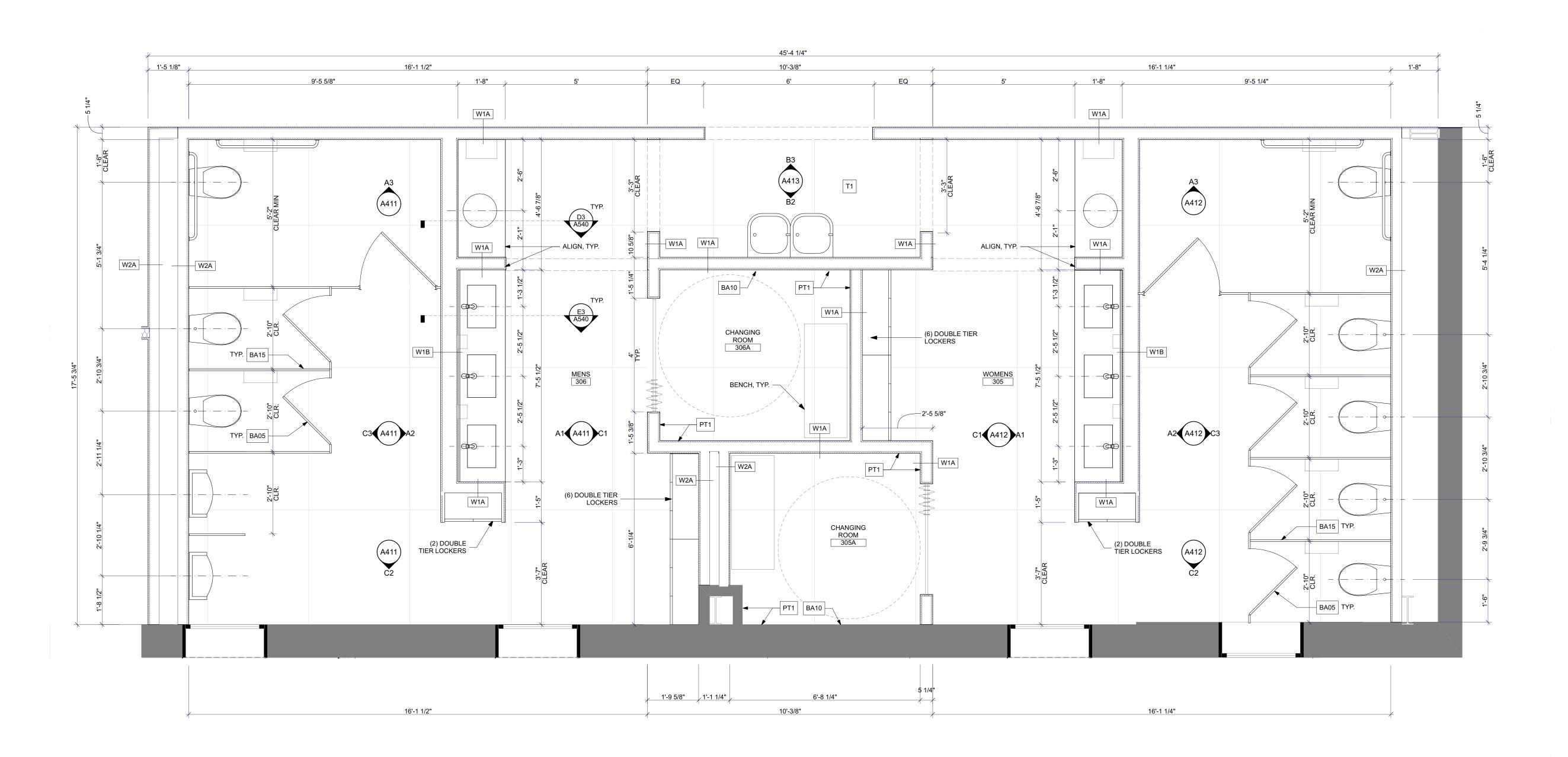
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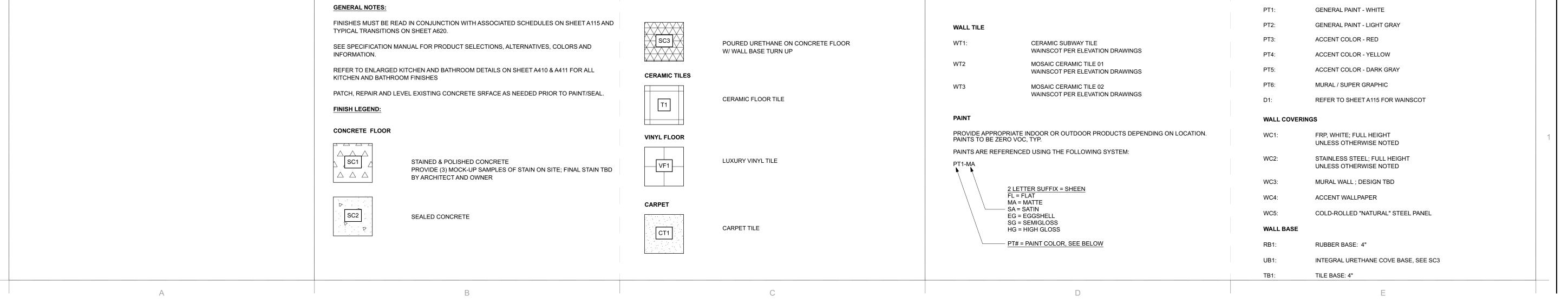
ENLARGED VIEWS





ENLARGED LOCKER ROOMS

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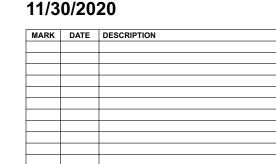
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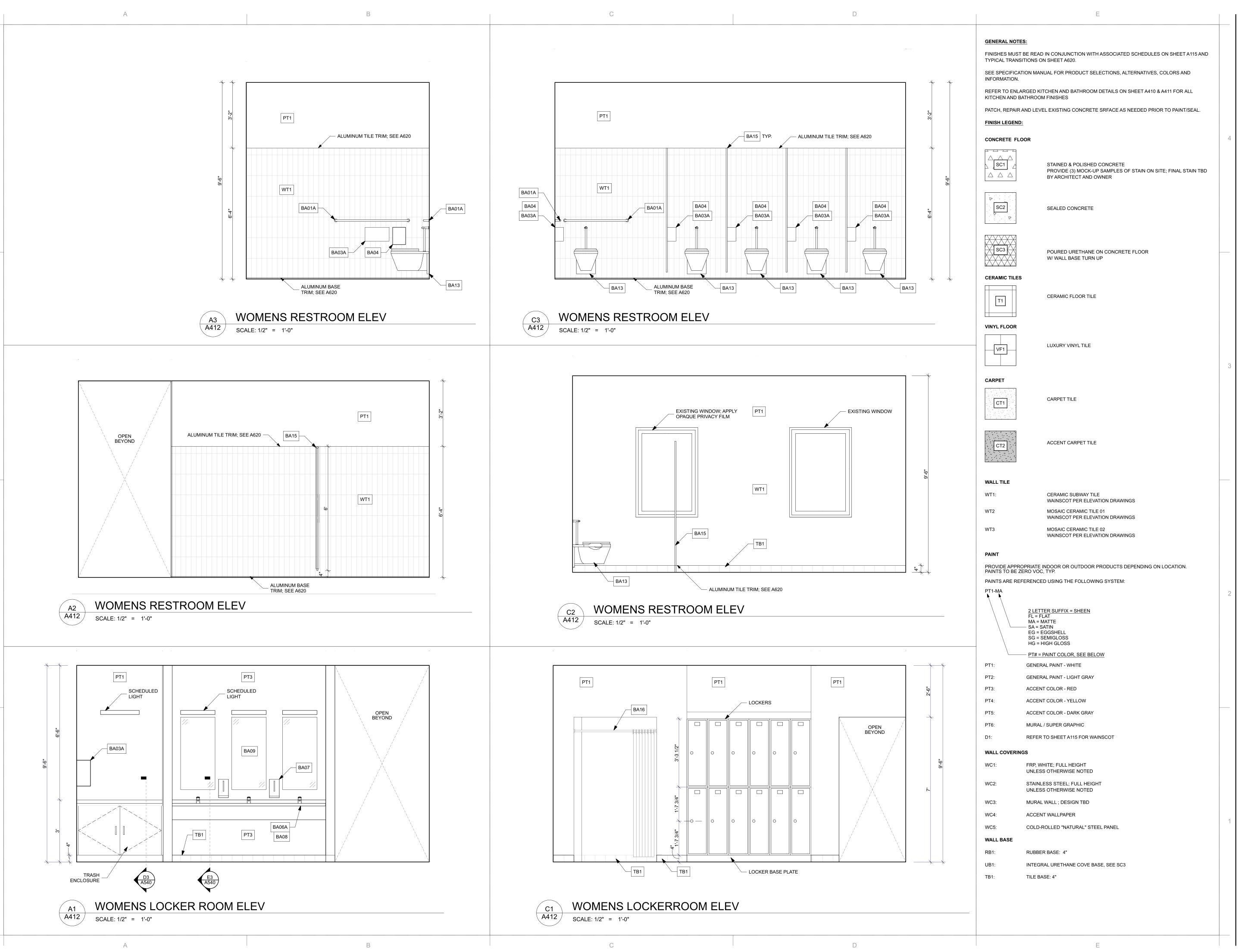
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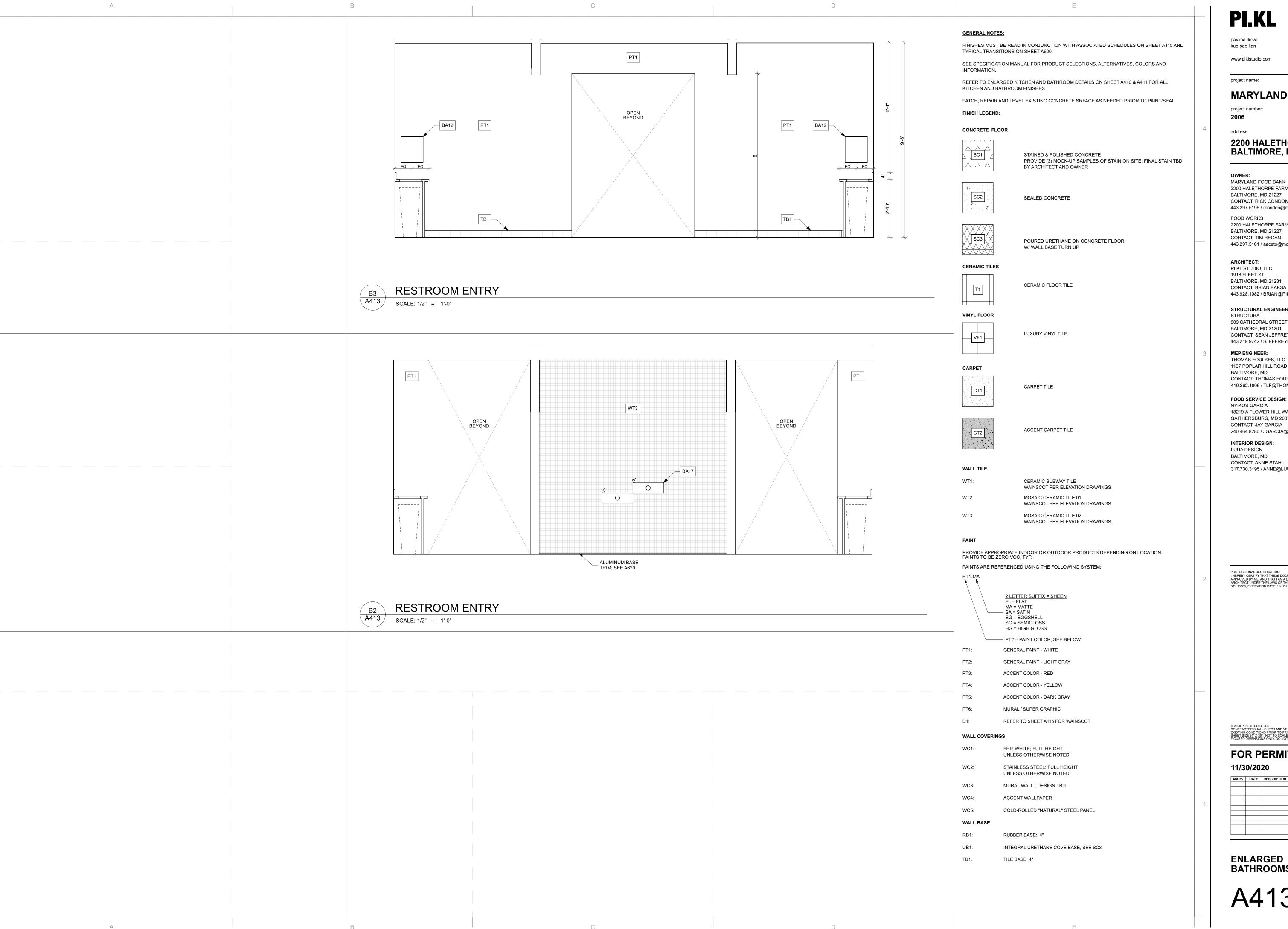
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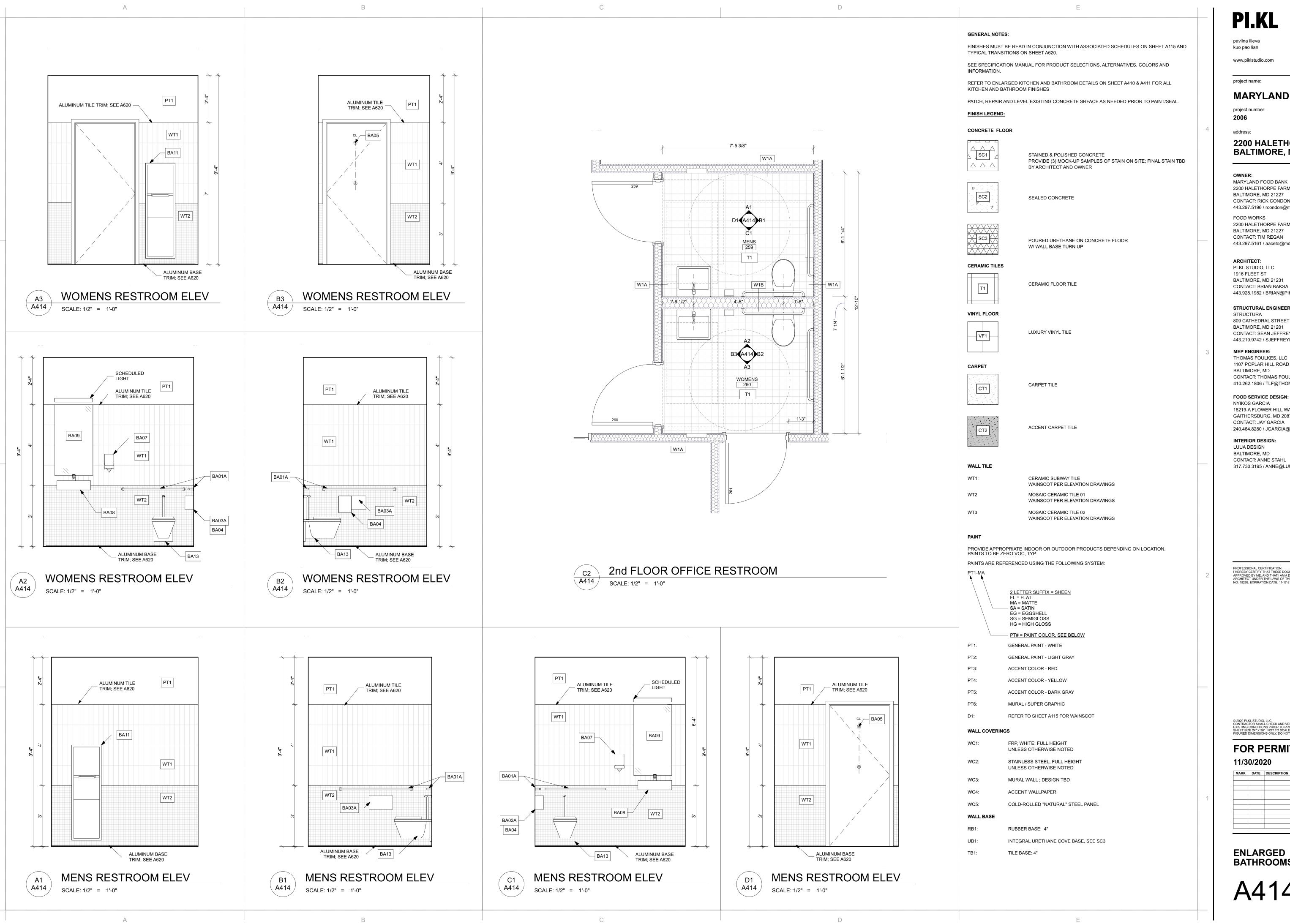
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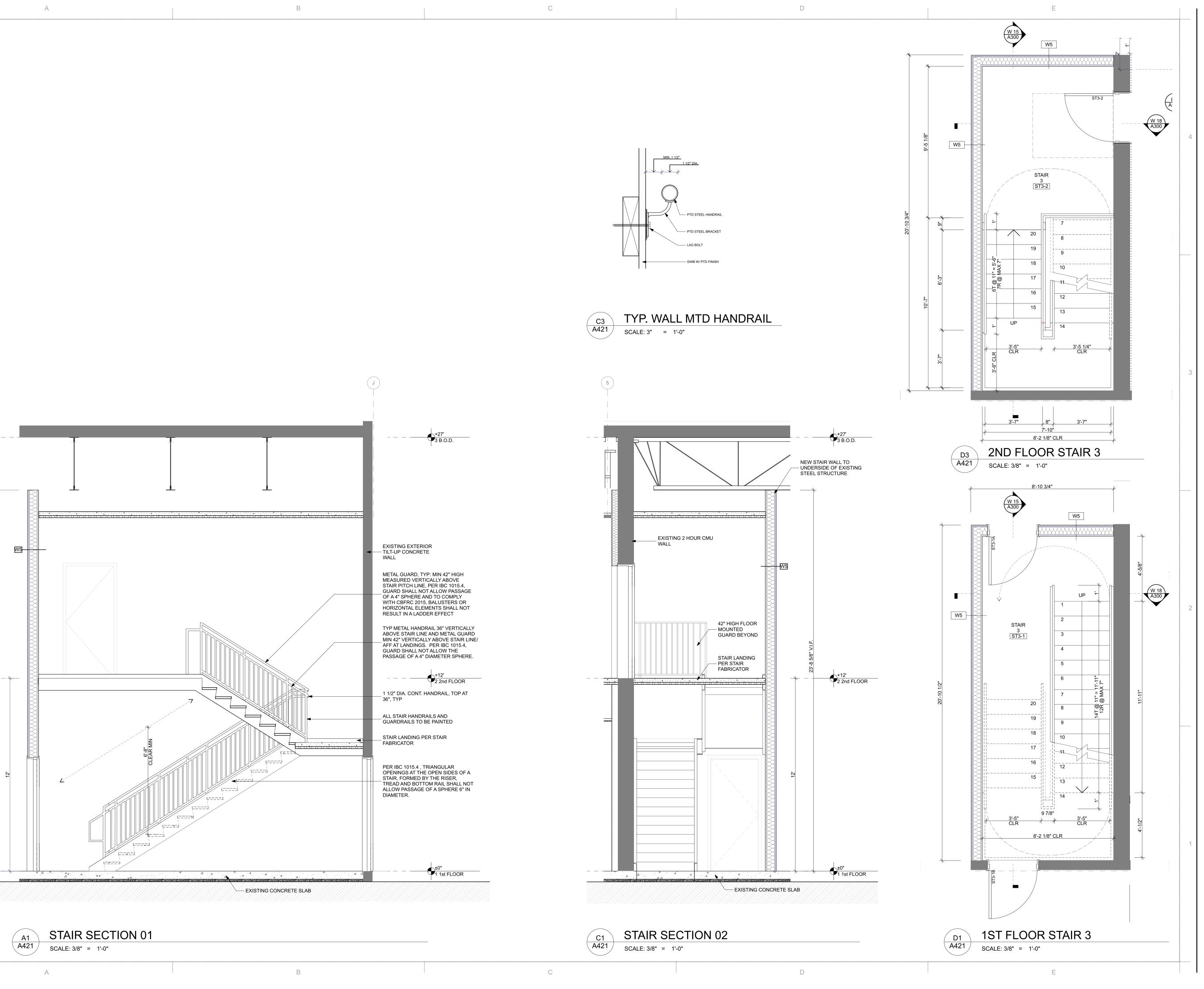
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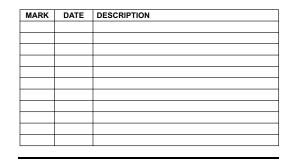
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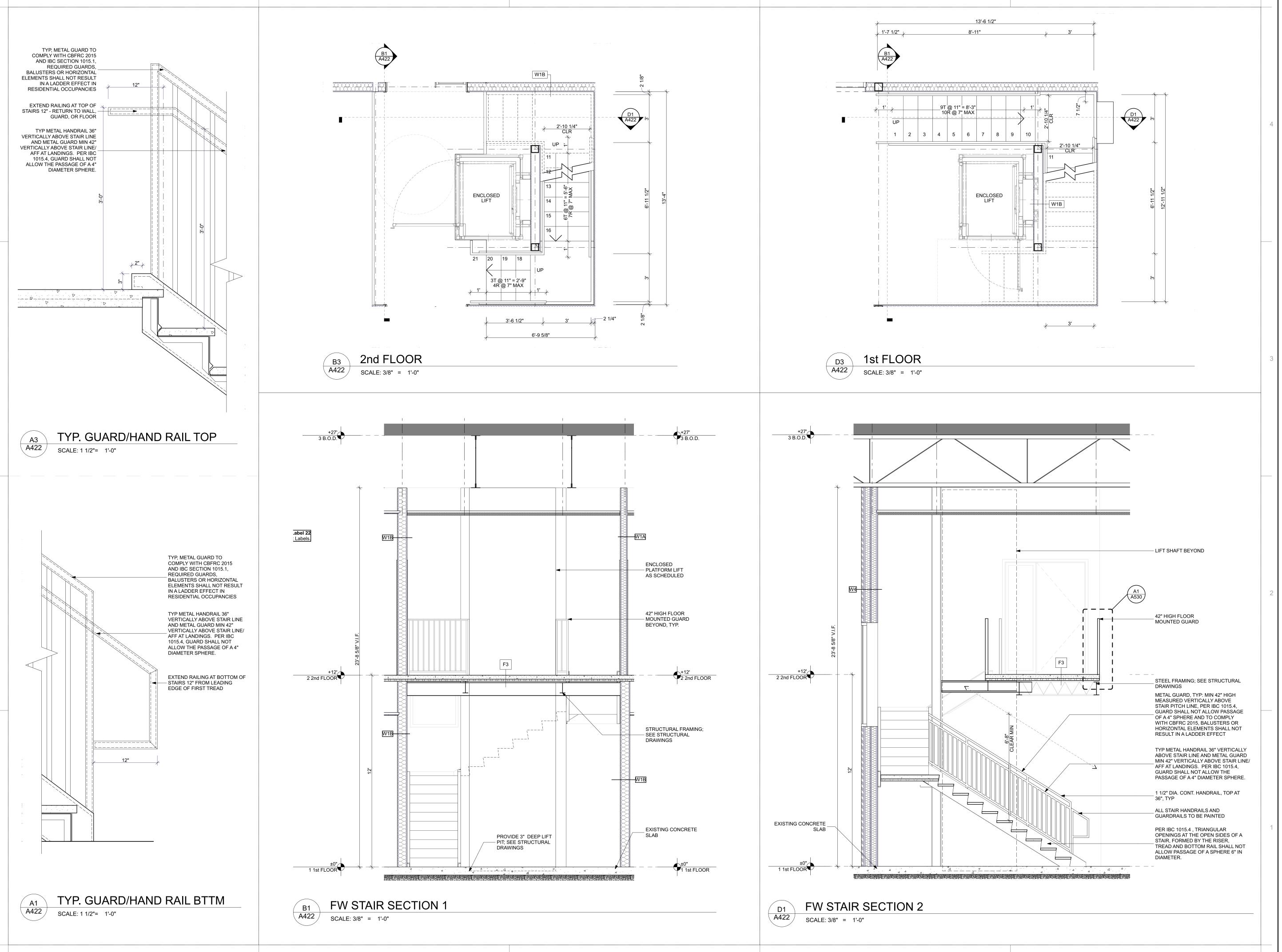
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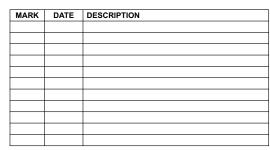
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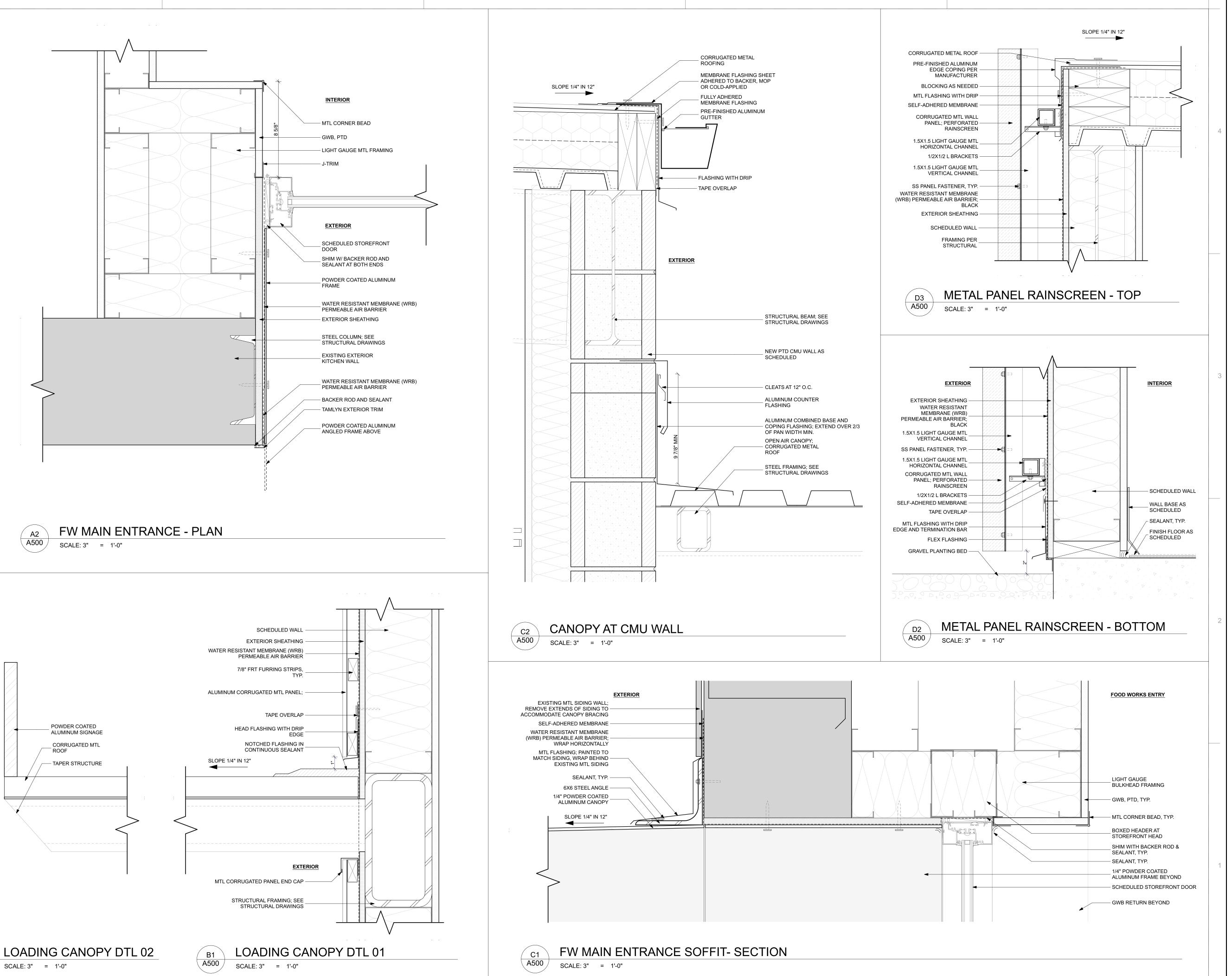
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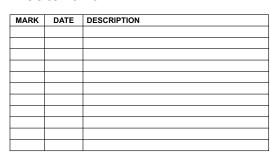
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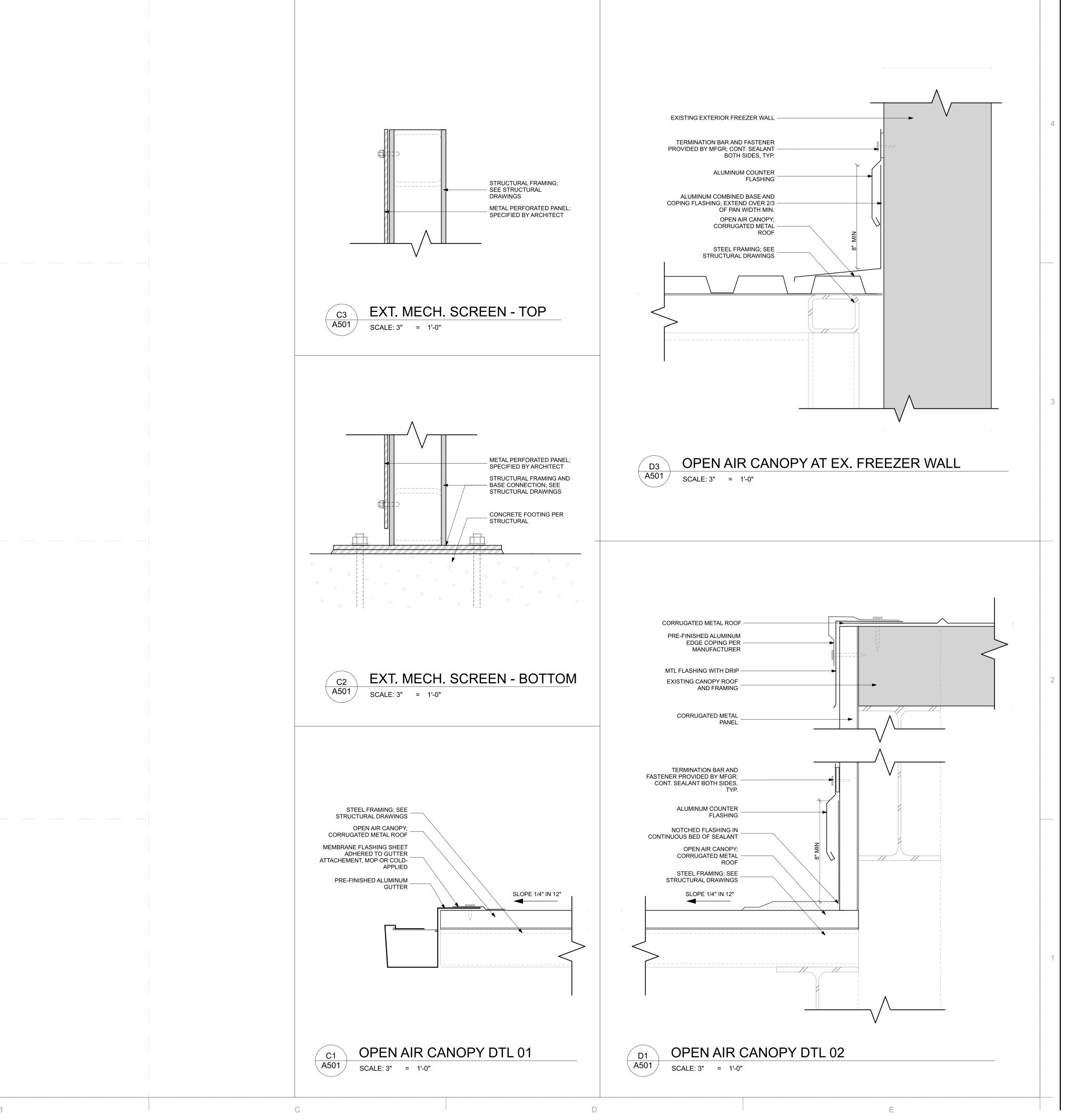
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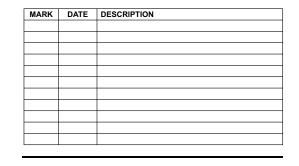
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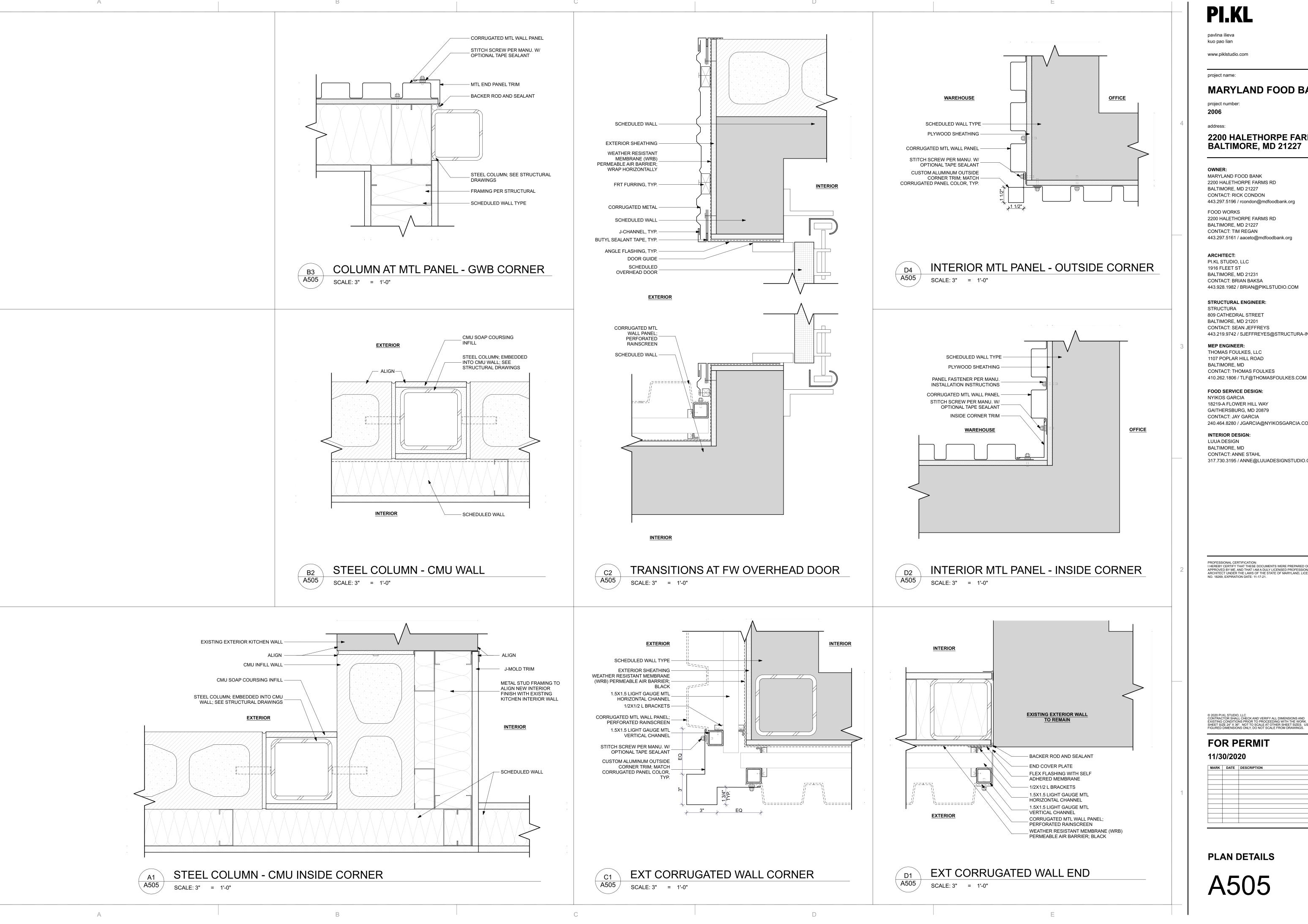
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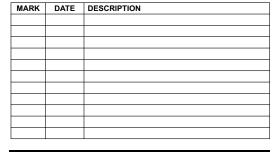
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PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18269, EXPIRATION DATE: 11-17-21.

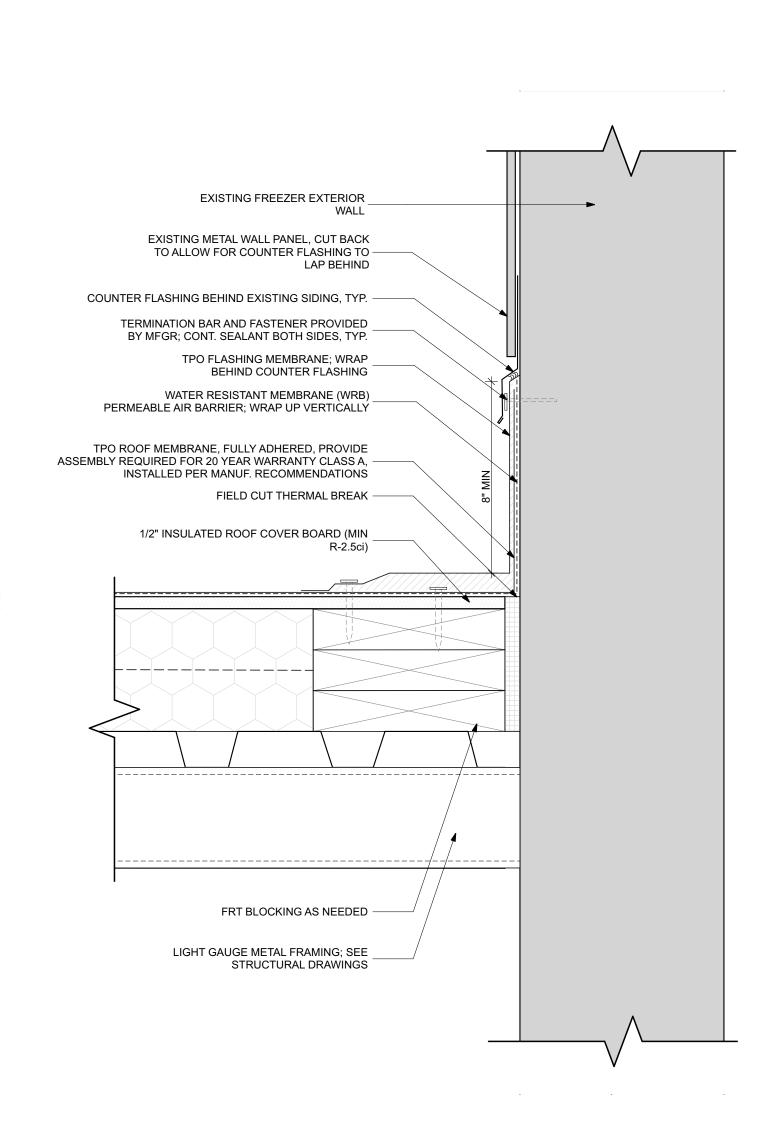
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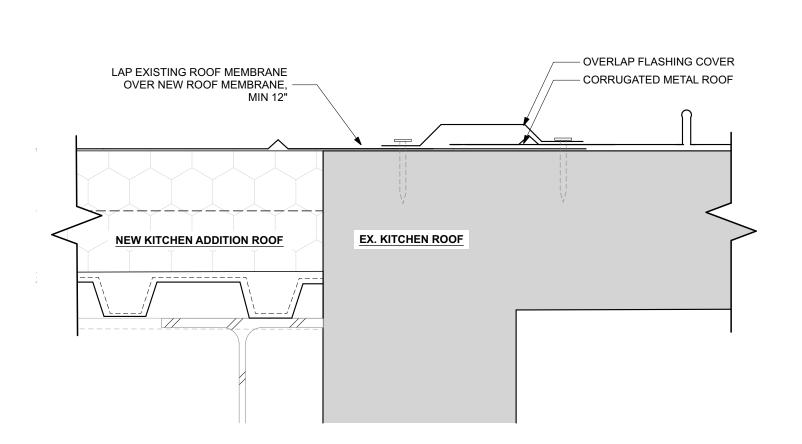
11/30/2020



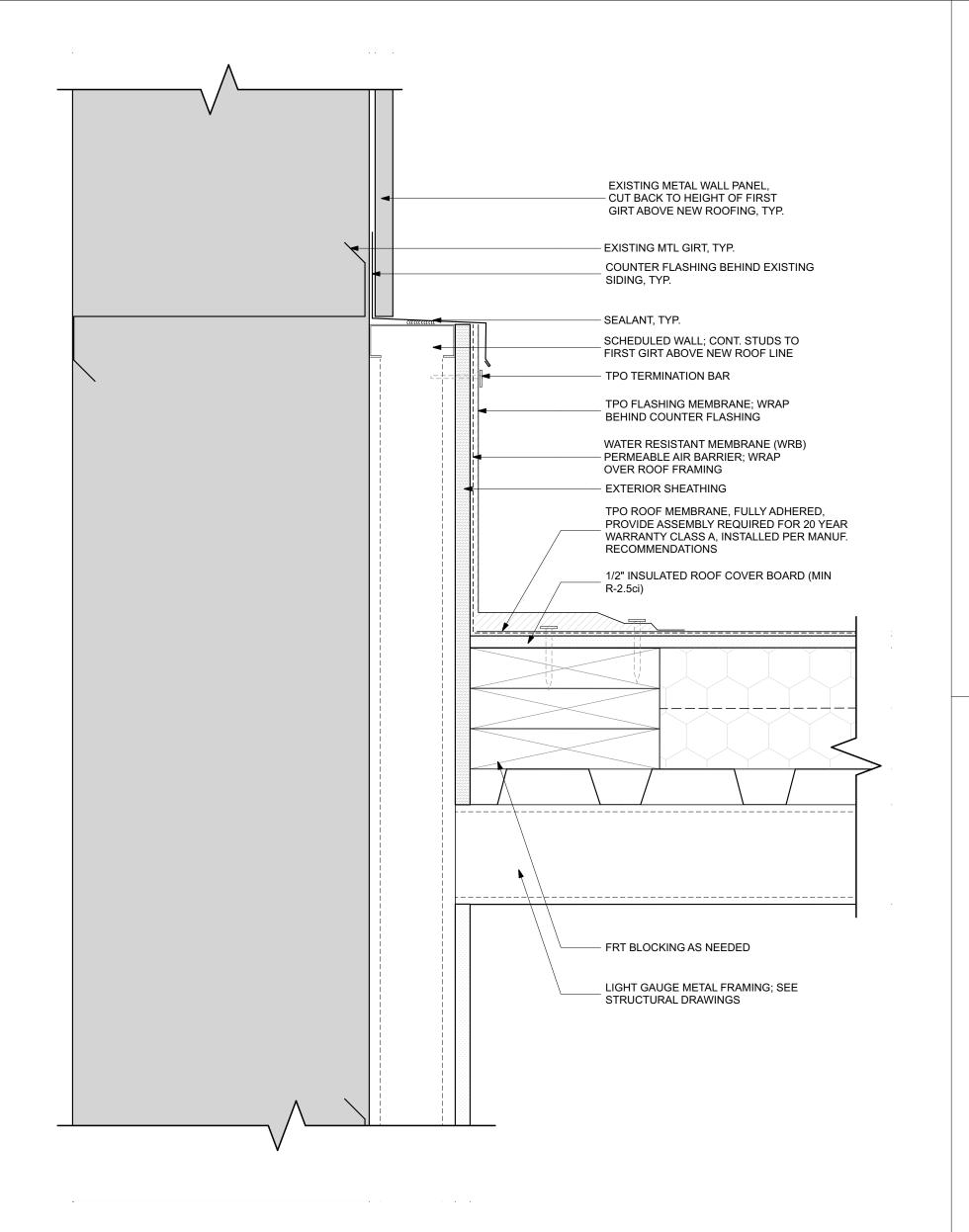
PLAN DETAILS



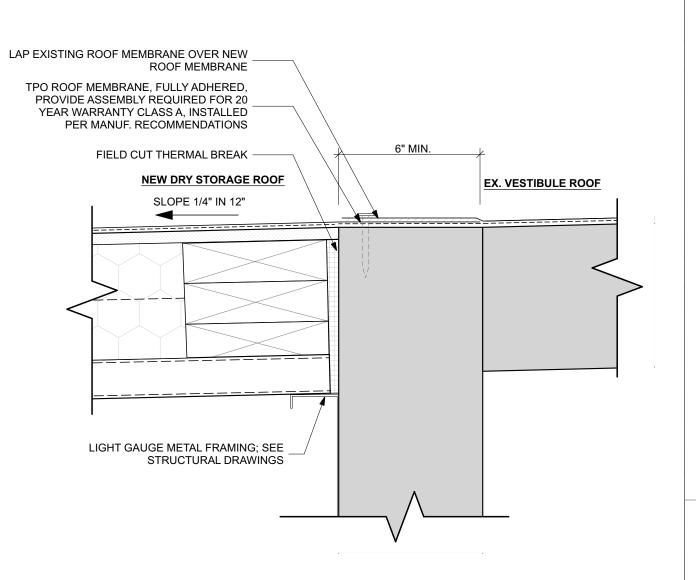






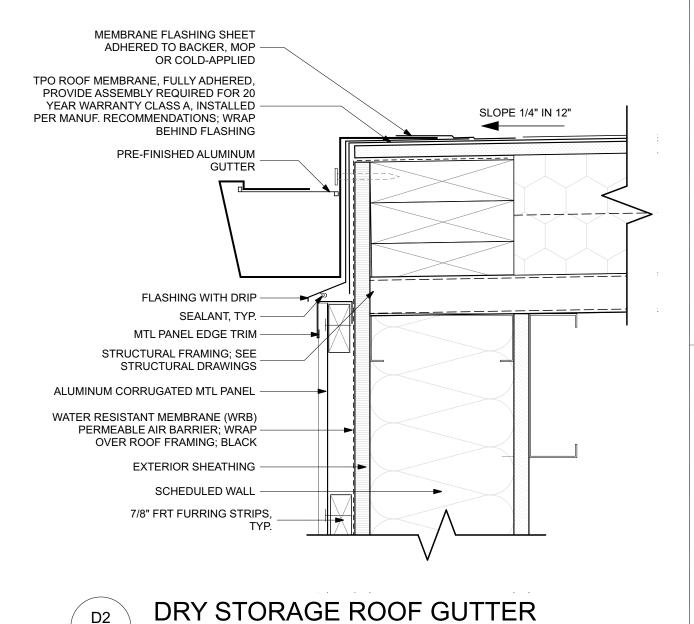


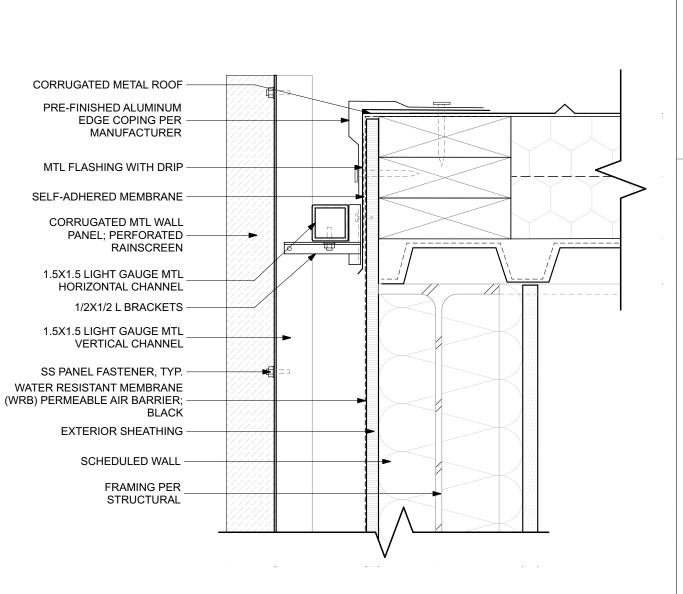




DRY STORAGE - VESTIBULE TRANSITION

SCALE: 3" - 410"





FOOD WORKS ADDITION ROOF EDGE

SCALE: 3" = 1'-0"

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MARYLAND FOOD BANK

project number:

project name:

2006

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

OWNER:

MARYLAND FOOD BANK
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BALTIMORE, MD 21227
CONTACT: RICK CONDON
443.297.5196 / rcondon@mdfoodbank.org

FOOD WORKS
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CONTACT: TIM REGAN

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FOOD SERVICE DESIGN:

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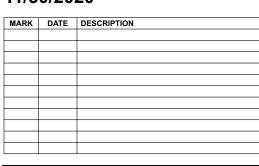
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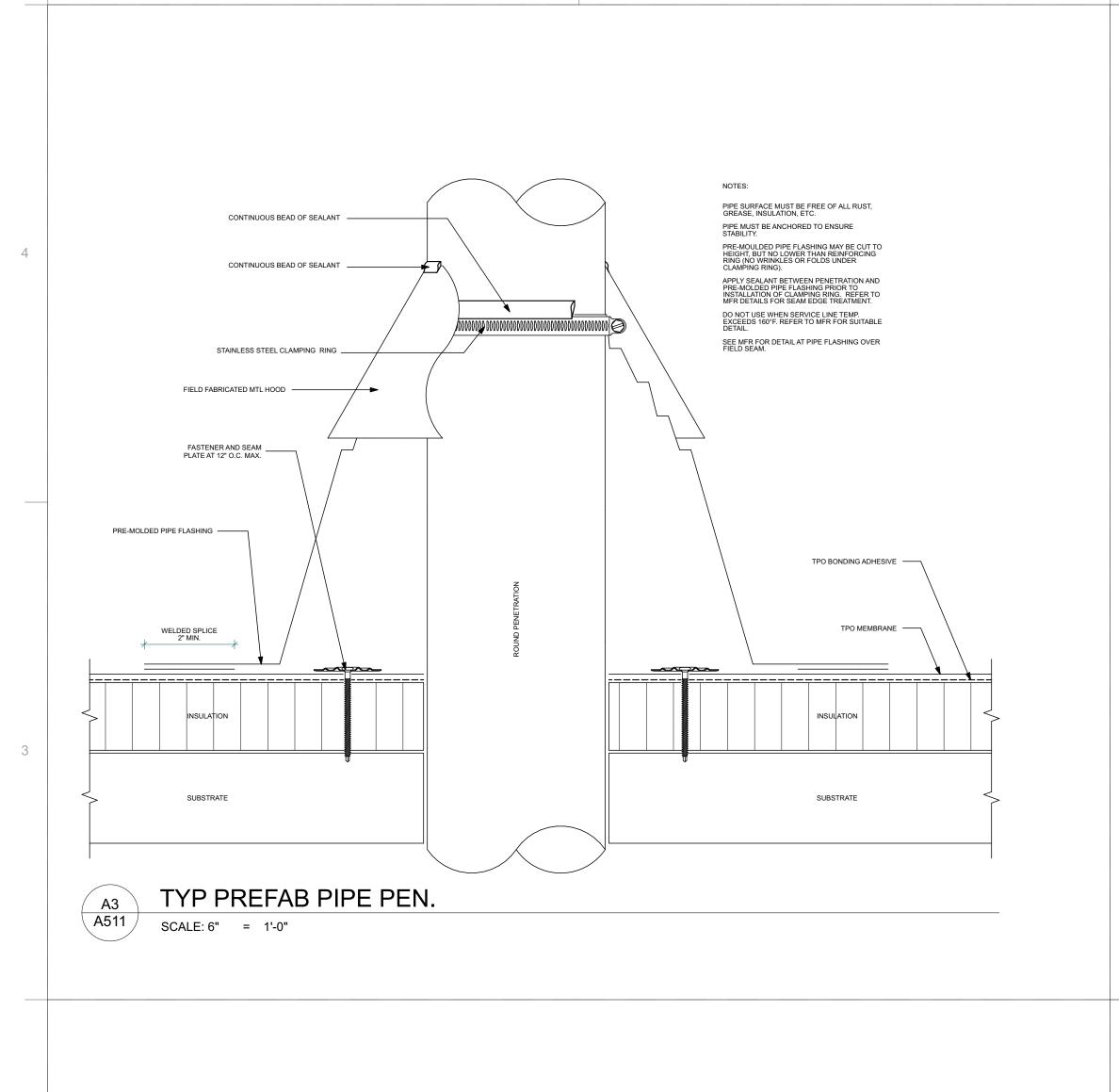
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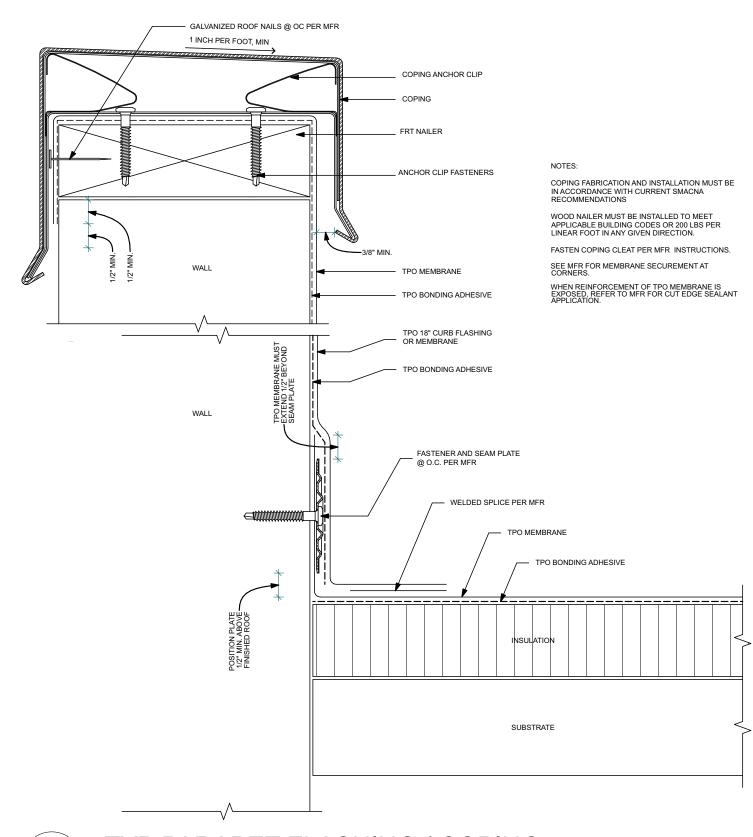
FOR PERMIT

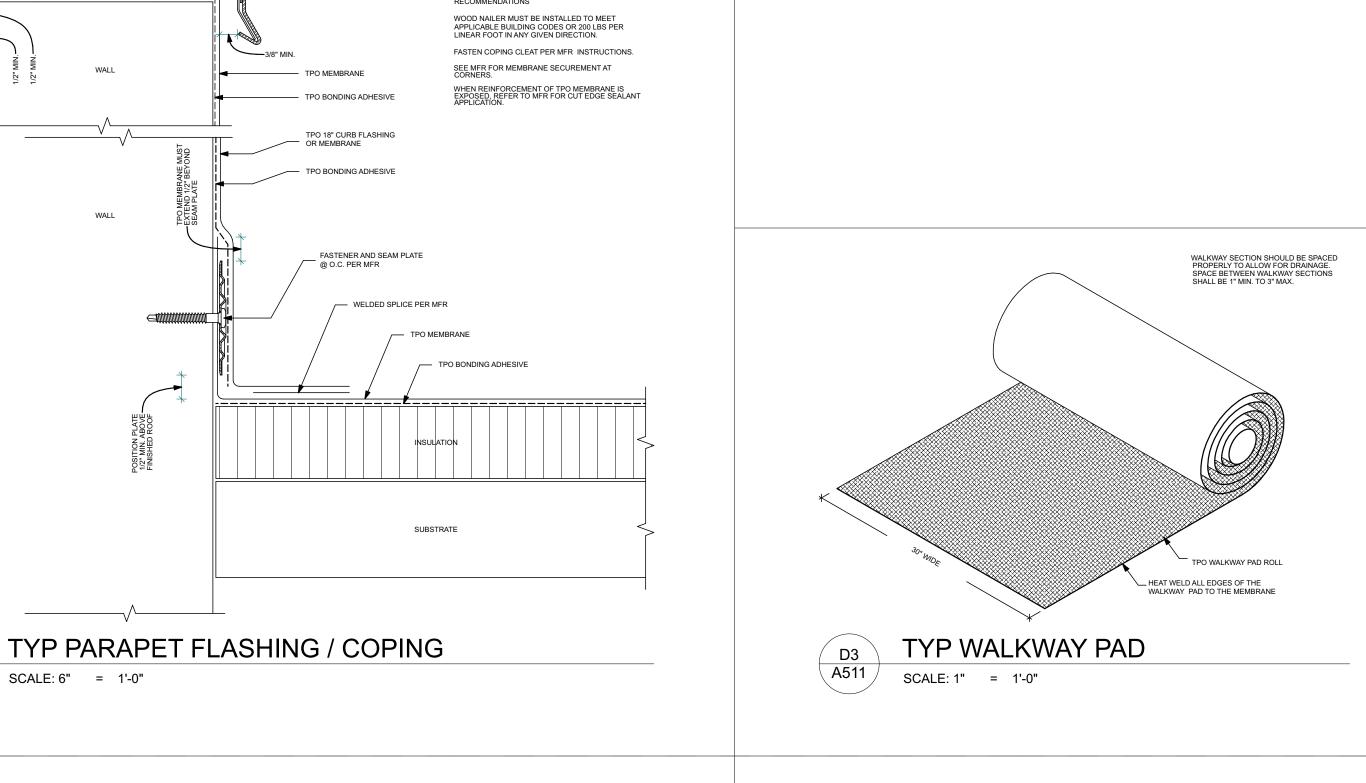
11/30/2020



ROOF DETAILS





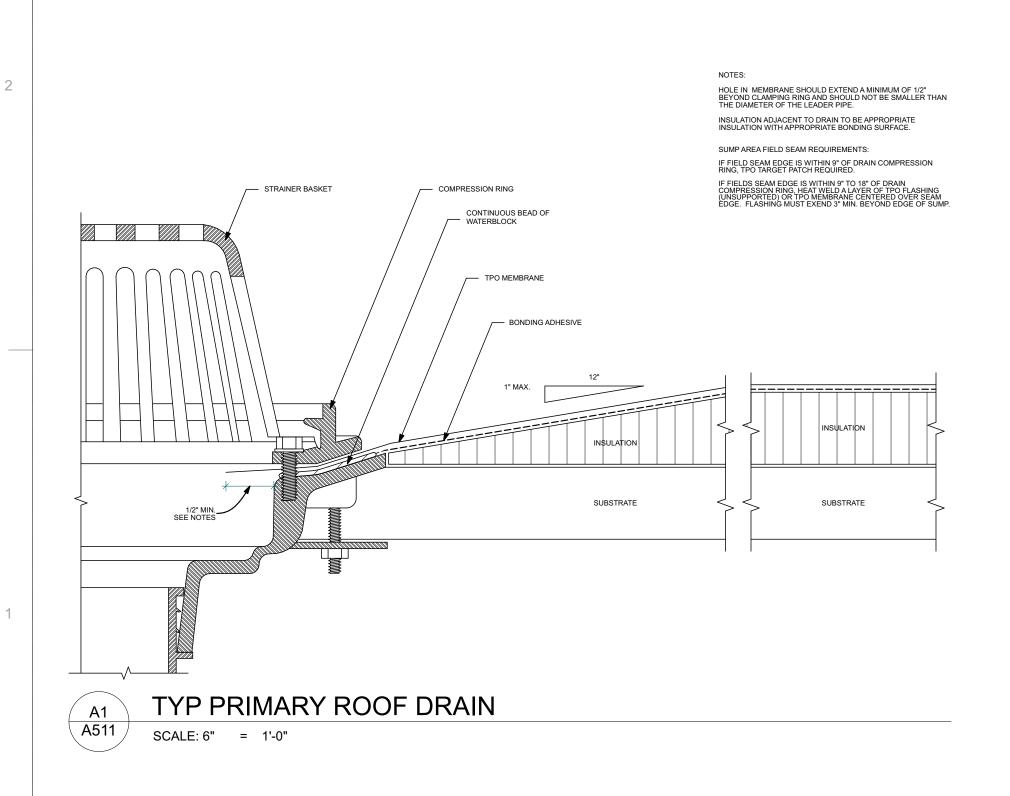


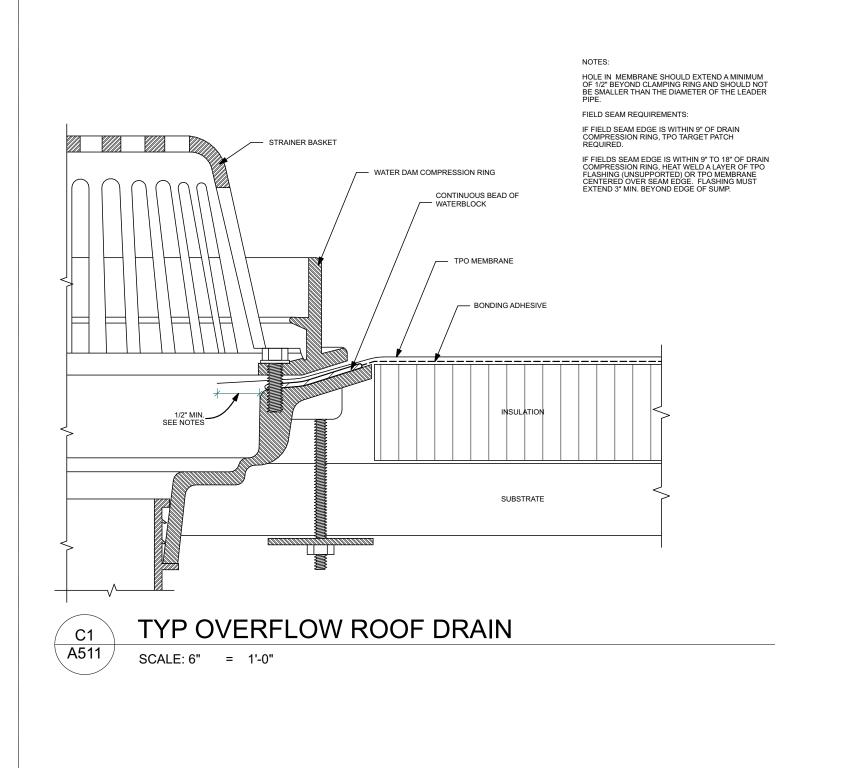
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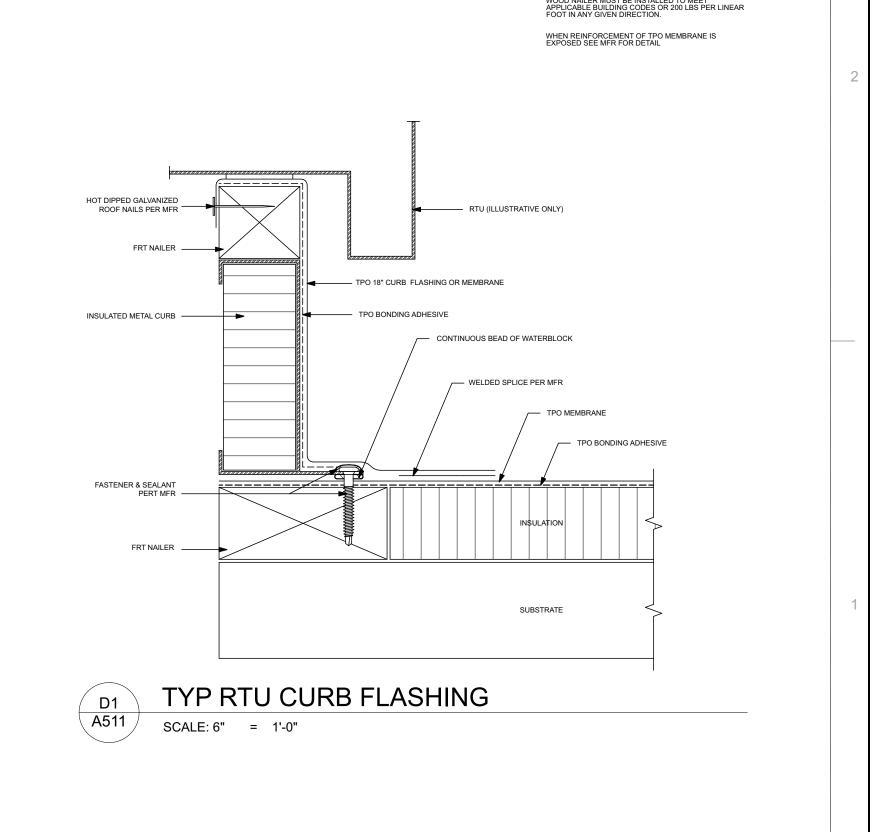
BASIS-OF-DESIGN IS FIRESTONE ULTRAPLY TPO.

THESE DETAILS ARE TYPICAL ONLY, AND AND MAY NOT COVER EVERY POSSIBLE ROOFING CONDITION.

ALL ROOF DETAILS MUST BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.







FASTENER W/ SEALANT PER MFR OVER FASTENER HEADS. SEALANT ALSO REQUIRED ALONG ENTIRE EDGE OF CURB FLANGE.

PI.KL

pavlina ilieva kuo pao lian

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project name:

MARYLAND FOOD BANK

project number:

2006

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

OWNER: MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: RICK CONDON 443.297.5196 / rcondon@mdfoodbank.org FOOD WORKS

2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN

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FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA

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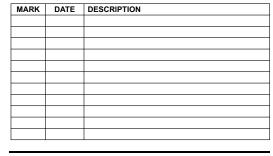
240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

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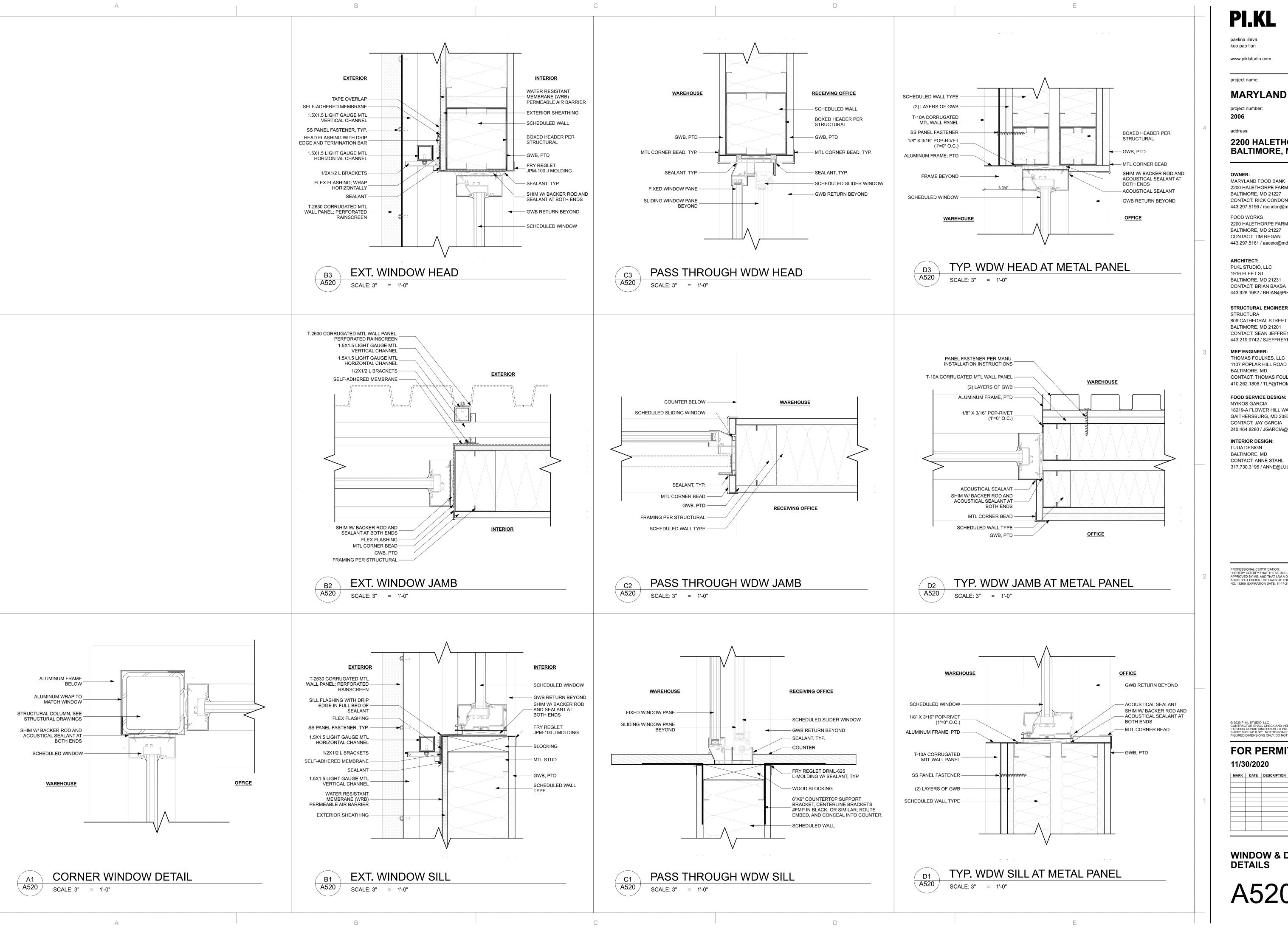
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ROOF DETAILS



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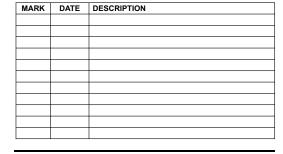
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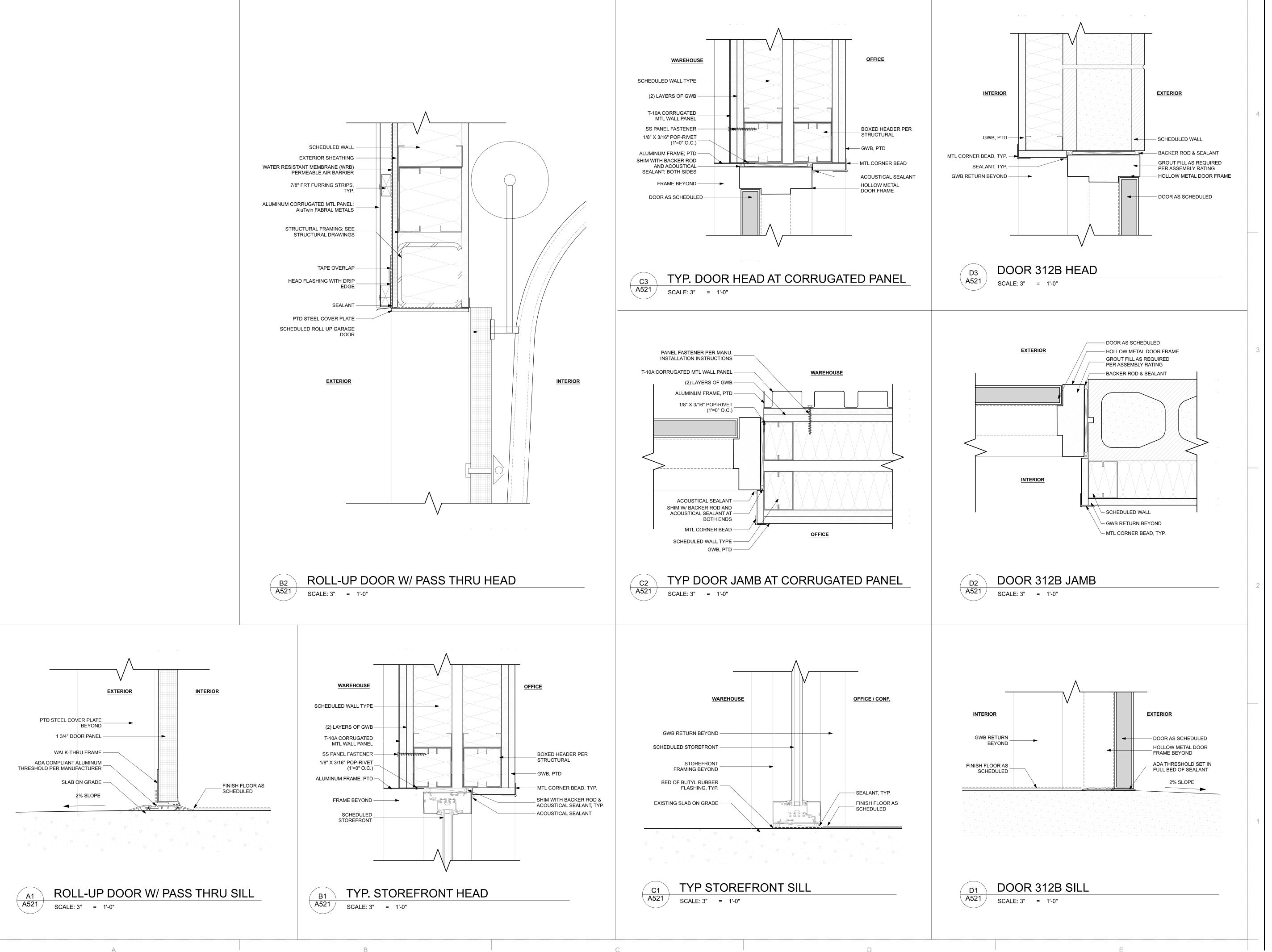
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WINDOW & DOOR DETAILS



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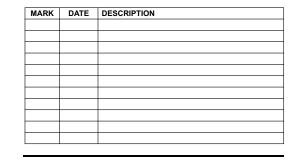
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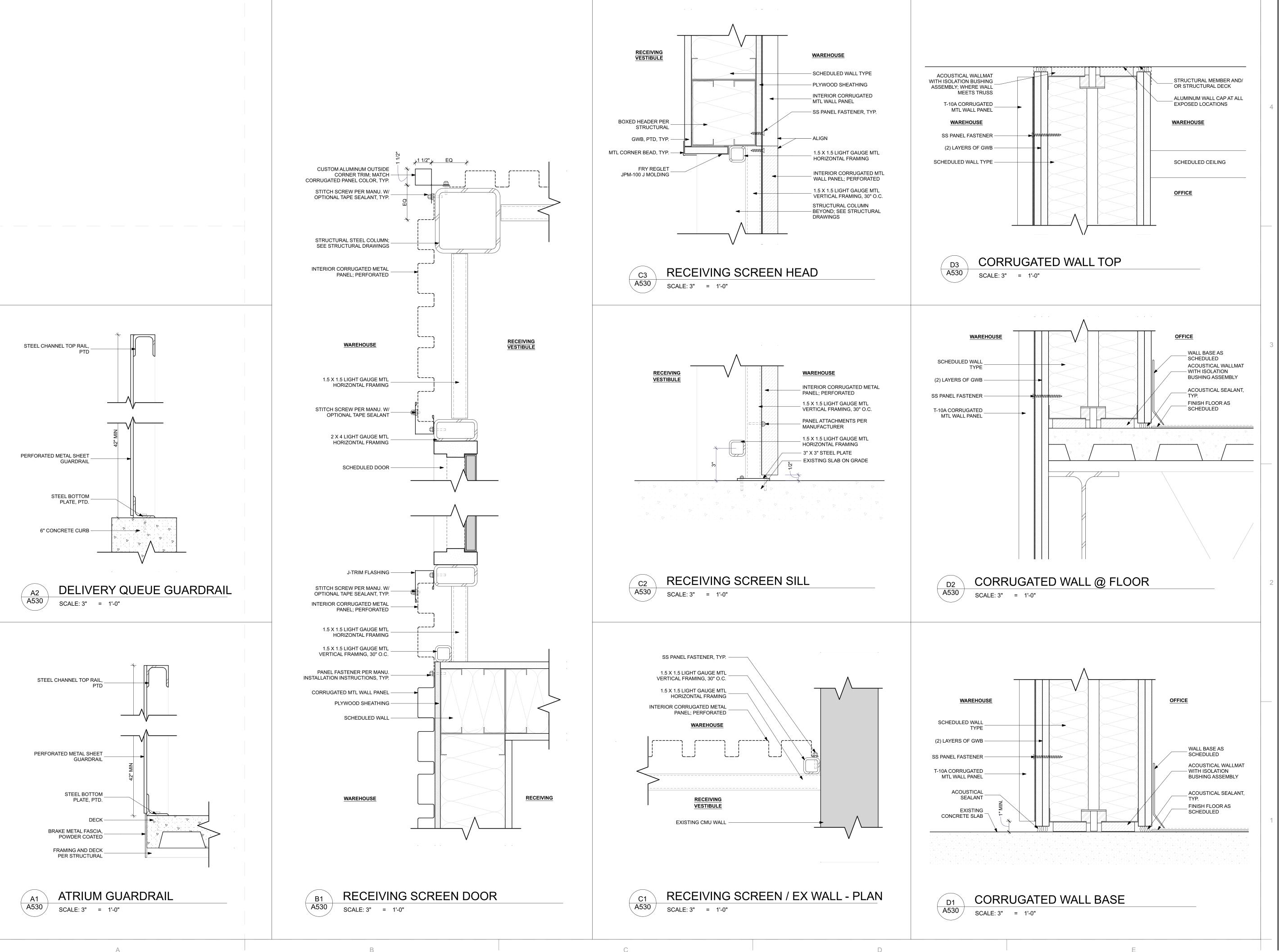
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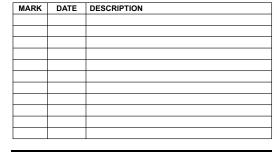
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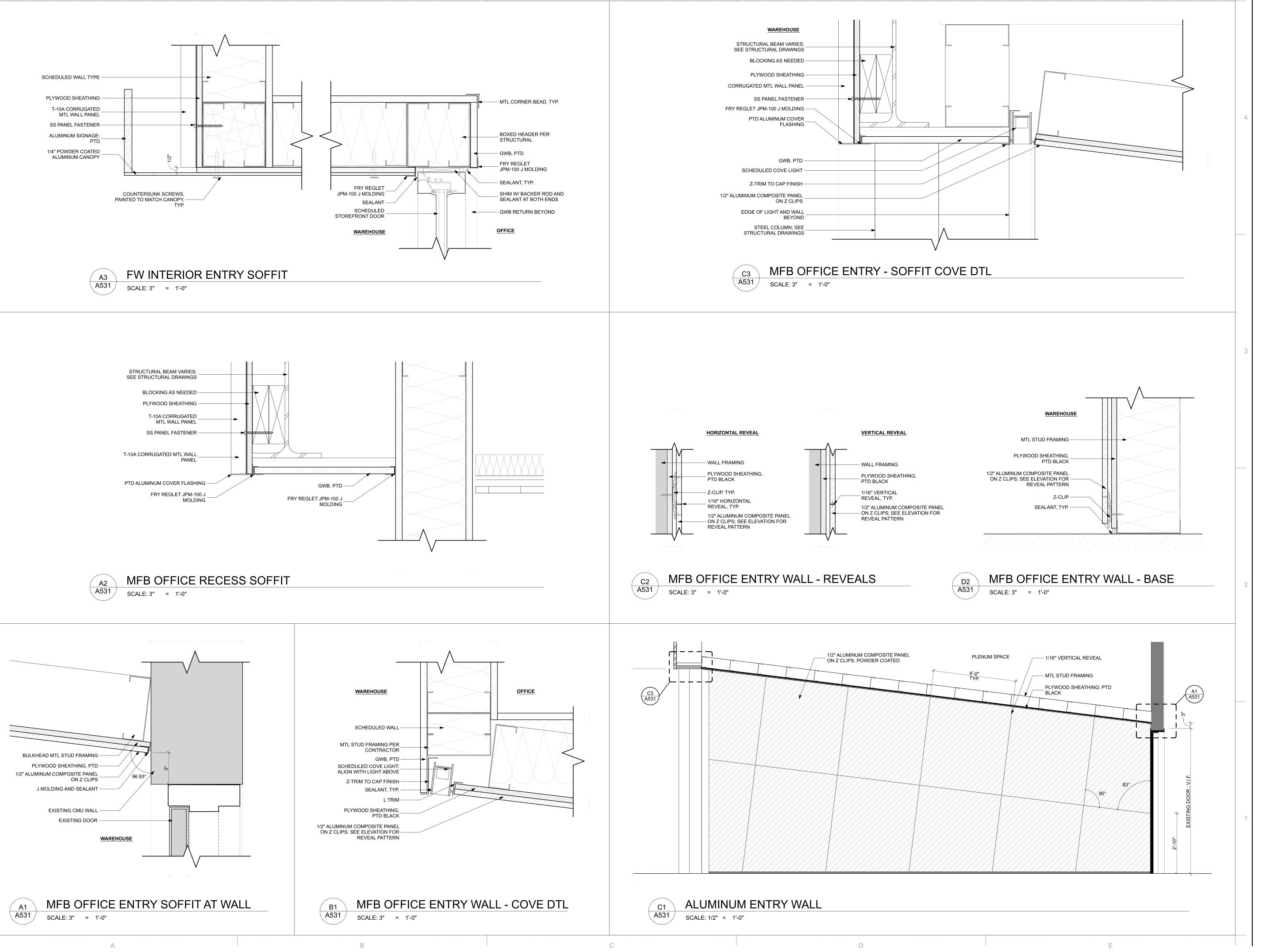
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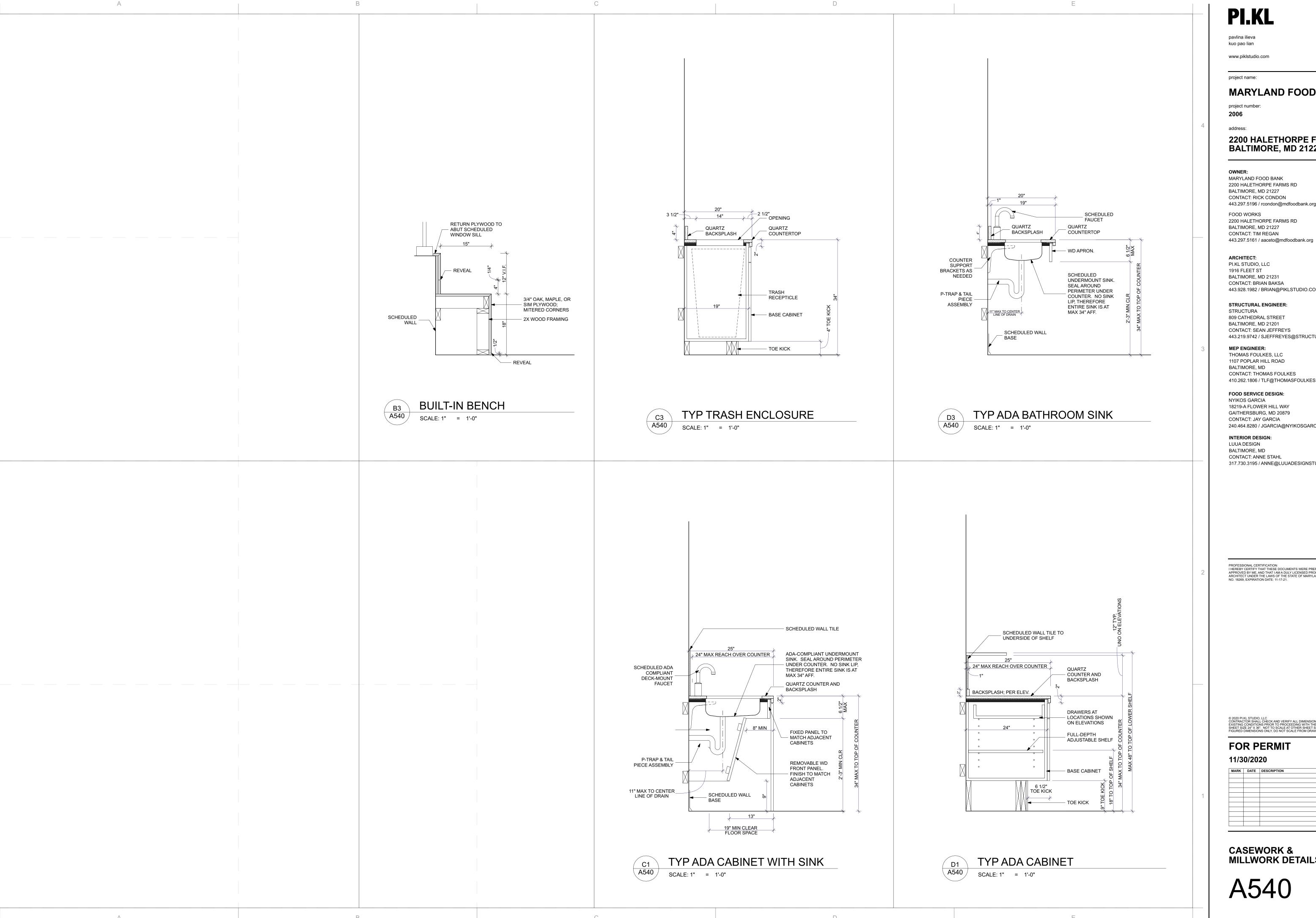
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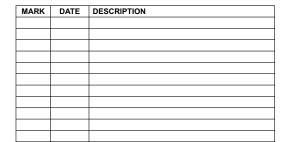
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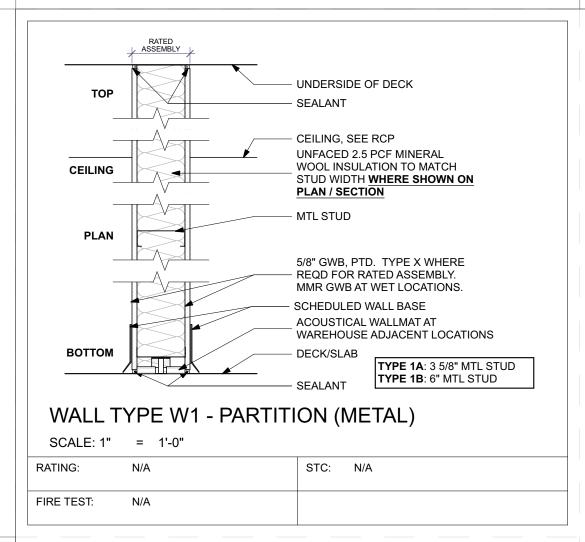
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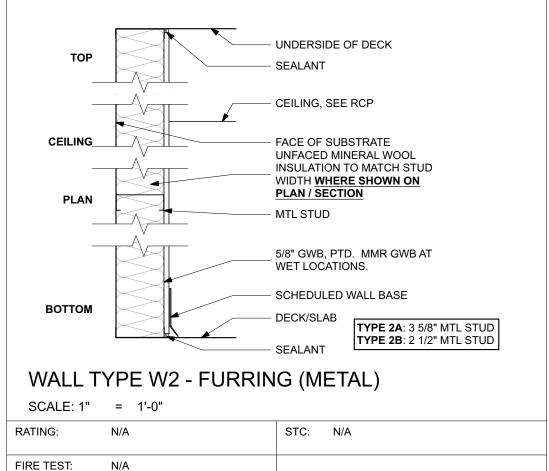
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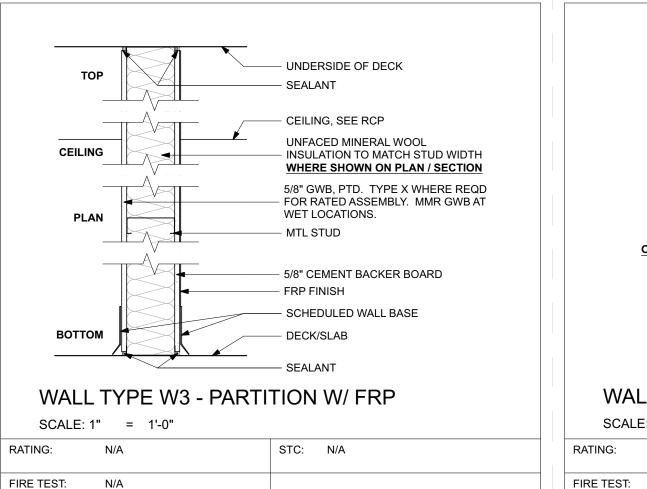
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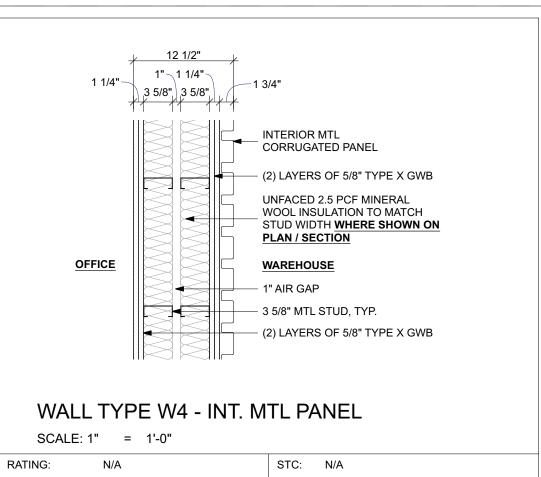


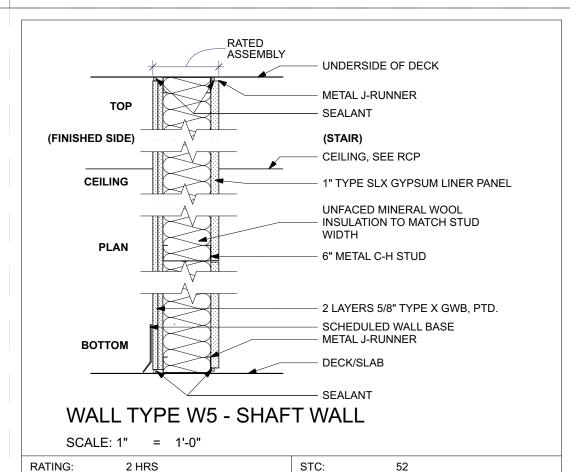
CASEWORK & MILLWORK DETAILS

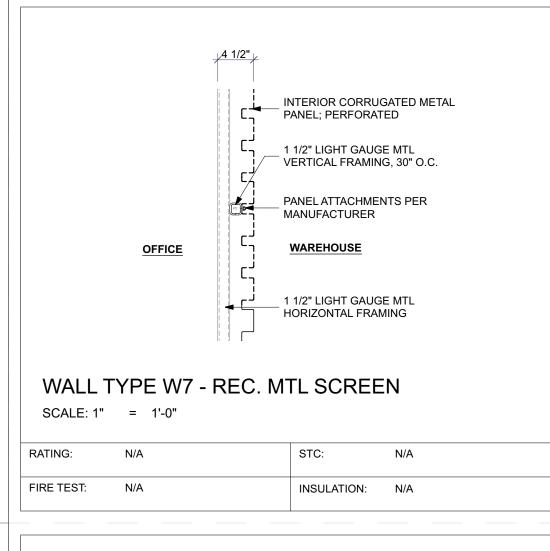


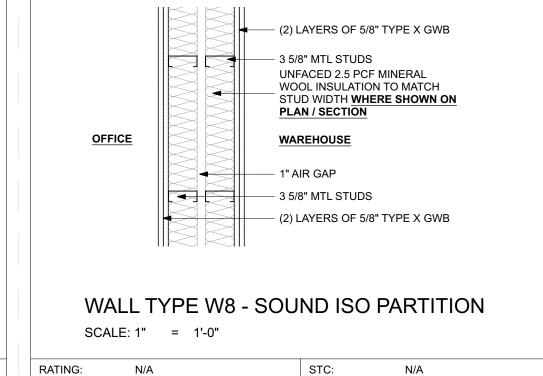








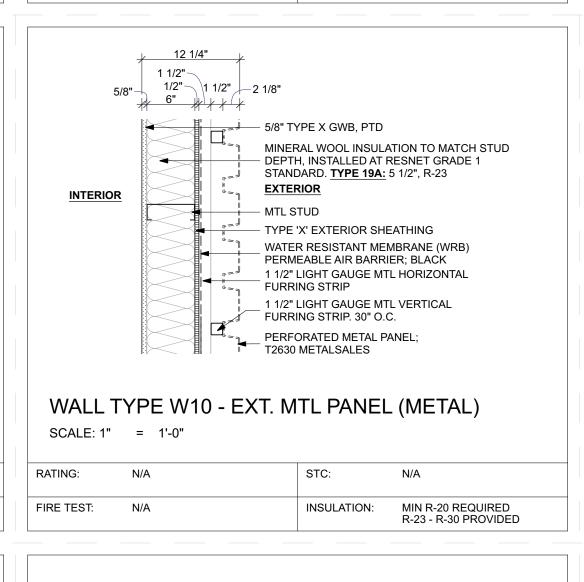


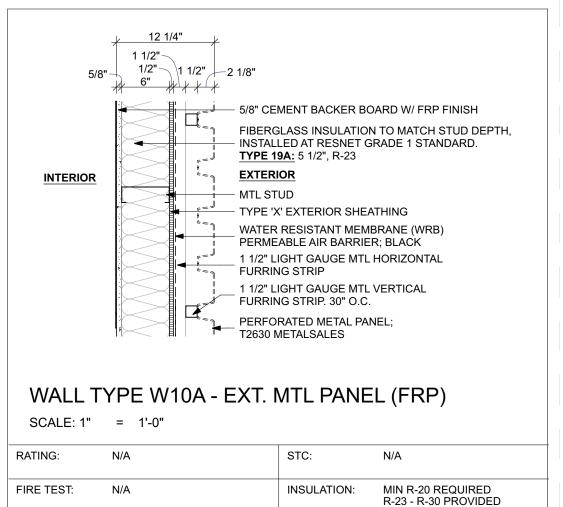


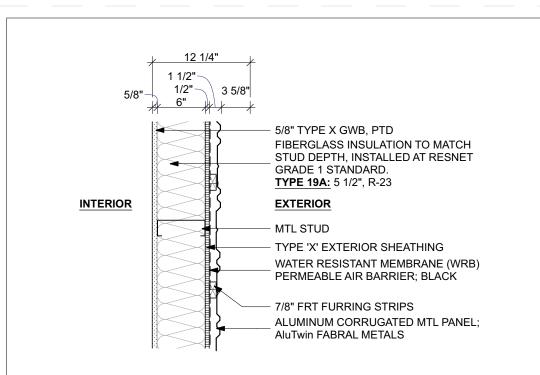
1 1/4"

3 5/8" 3 5/8"

FIRE TEST:

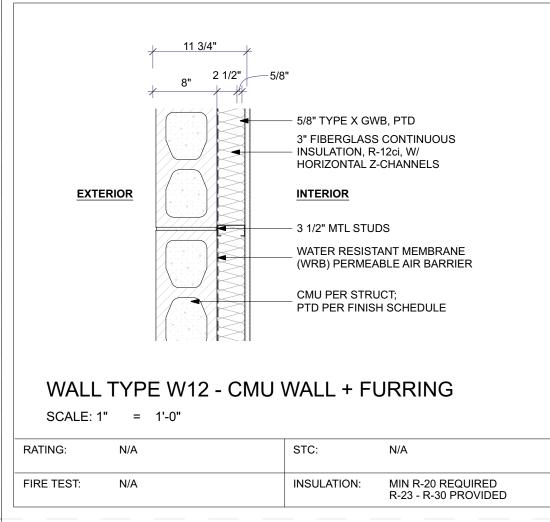


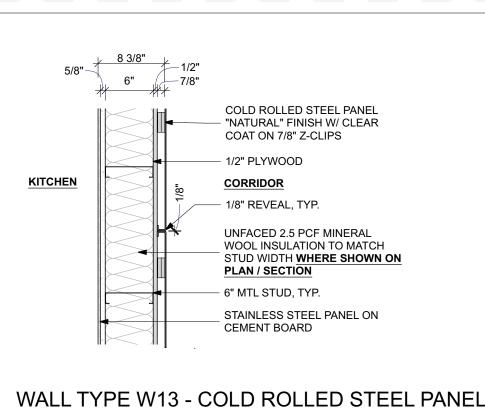






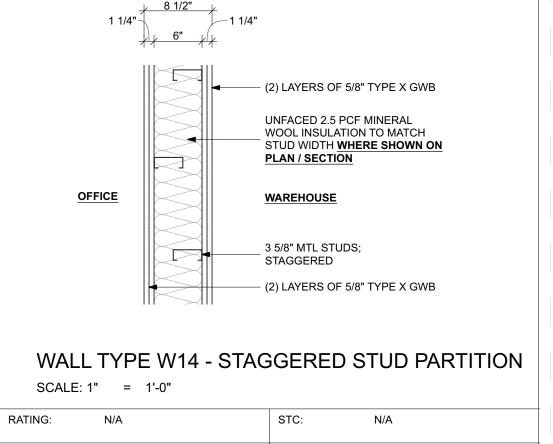
SOUND TEST: NAT'L CONC MSY ASSOC.





INSULATION: N/A

SCALE: 1"	= 1'-0"		
RATING:	N/A	STC:	N/A
FIRE TEST:	N/A	INSULATION:	N/A



INSULATION: N/A

FIRE TEST: N/A



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pavlina ilieva

kuo pao lian

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ARCHITECT:

STRUCTURA

PI.KL STUDIO, LLC

BALTIMORE, MD 21231

CONTACT: BRIAN BAKSA

STRUCTURAL ENGINEER:

809 CATHEDRAL STREET

THOMAS FOULKES, LLC

1107 POPLAR HILL ROAD

FOOD SERVICE DESIGN: NYIKOS GARCIA

18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879

CONTACT: JAY GARCIA

CONTACT: ANNE STAHL

INTERIOR DESIGN: LUUA DESIGN

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410.262.1806 / TLF@THOMASFOULKES.COM

240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

HAREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18269, EXPIRATION DATE: 11-17-21.

CONTACT: SEAN JEFFREYS

BALTIMORE, MD 21201

MEP ENGINEER:

BALTIMORE, MD

1916 FLEET ST

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443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM

FOR PERMIT 11/30/2020 MARK DATE DESCRIPTION

ASSEMBLY TYPES -WALLS

ASSEMBLY	TYPE	NOTE

FIRE TEST:

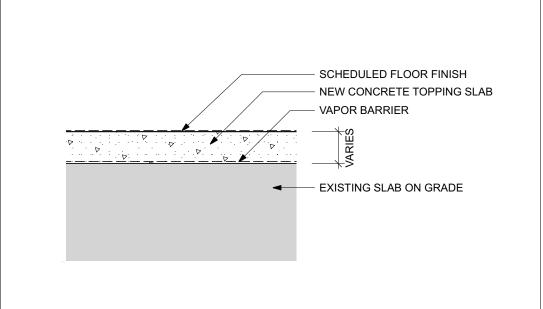
UL U905

READ THIS SHEET IN CONJUNCTION WITH CODE ANALYSIS (G000 SERIES).

BUILD RATED ASSEMBLIES IN STRICT ACCORDANCE WITH THE MOST CURRENT VERSION OF THE REFERENCED UL ASSEMBLY SPECIFICATION.

ALL PENETRATIONS THROUGH A RATED ASSEMBLY (REGARDLESS OF WHETHER THE ASSEMBLY IS EXISTING OR NEW) SHALL BE FIRESTOPPED WITH A UL-LISTED FIRESTOPPING ASSEMBLY THAT HAS A FIRE RESISTANCE RATING EQUAL TO THAT OF THE ASSEMBLY BEING PENETRATED.

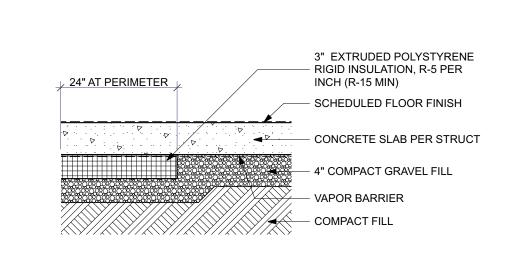
ALL FASTENERS THAT PENETRATE THE WRB SHALL BE SELF-SEALING



FLOOR TYPE F1 - TOPPING SLAB

SCALE: 1" = 1'-0"

RATING:	N/A	STC: N/A
FIRE TEST:	N/A	INSULATION: N/A



FLOOR TYPE F2 - SLAB ON GRADE

SCALE: 1" = 1'-0"

ATING:	N/A	STC: N/A	
IRE TEST:	N/A	INSULATION:	MIN R-15 / 2FT REQUIRED R-15 / 2FT PROVIDED

TPO ROOF MEMBRANE. PROVIDE

WARRANTY AND CLASS A

- 1 1/2" METAL DECK

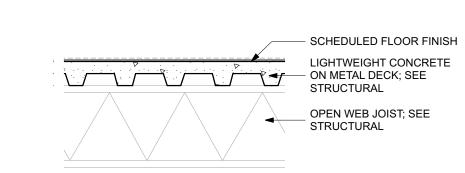
ASSEMBLY REQUIRED FOR 20 YEAR

(2) LAYERS MIN 2.5" POLYISO ROOF

TOP LAYER TURNED 90 DEGREES.

- ROOF FRAMING; SEE STRUCTURAL

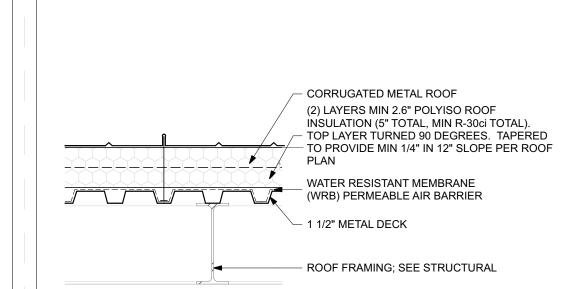
1/2" INSULATED ROOF COVER BOARD (MIN



FLOOR TYPE F3 - CONCRETE ON MTL DECK

SCALE: 1" = 1'-0"

RATING:	N/A	STC:	N/A	
FIRE TEST:	N/A	INSULA	TION:	MIN R-15 / 2FT REQUIRED R-15 / 2FT PROVIDED



ROOF TYPE R2 - MEMBRANE ROOF ON MTL DECK

insulation (5" Total, Min R-28.8ci total).

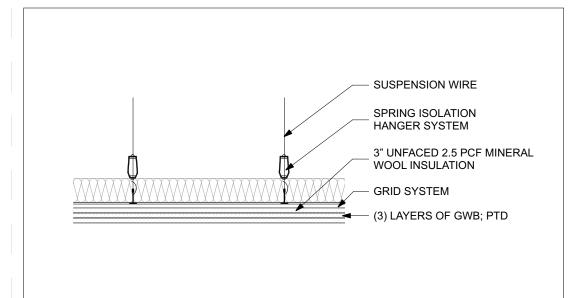
SCALE: 1" = 1'-0"

SCALL. I	- 1-0		
RATING:	N/A	STC: N/A	
FIRE TEST:	N/A	INSULATION:	MIN R-30ci REQUIRED R-31.3ci PROVIDED



SCALE: 1" = 1'-0"

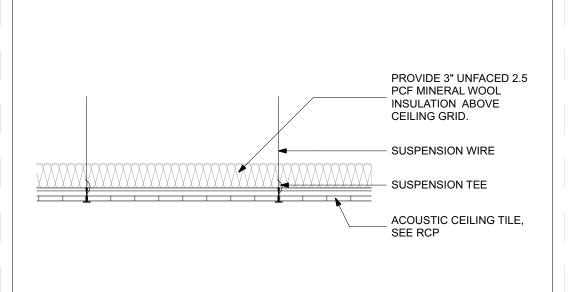
RATING:	N/A	STC:	N/A	
FIRE TEST:	N/A	INSULAT	ION:	MIN R-30ci REQUIRED R-30ci PROVIDED



CEILING TYPE C1 - SOUND ISO GWB

SCALE: 1" = 1'-0"

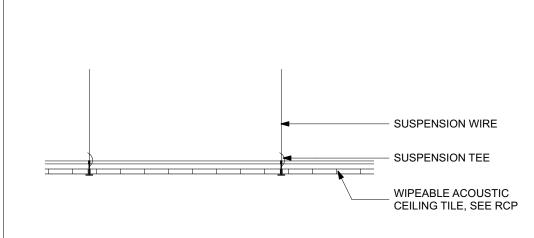
RATING:	N/A	STC:	N/A
FIRE TEST:	N/A		



CEILING TYPE C2 - SUSPENDED ACT 2X2

SCALE: 1" = 1'-0"

RATING:	N/A	STC:	N/A
FIRE TEST:	N/A		



CEILING TYPE C3 - SUSPENDED ACT 2X4

SCALE: 1" = 1'-0"

RATING:	N/A	STC:	N/A
FIRE TEST:	N/A		

ASSEMBLY TYPE NOTES:

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- ALL FASTENERS THAT PENETRATE THE WRB SHALL BE SELF-SEALING

EQUAL TO THAT OF THE ASSEMBLY BEING PENETRATED.

PIKL pavlina ilieva

kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

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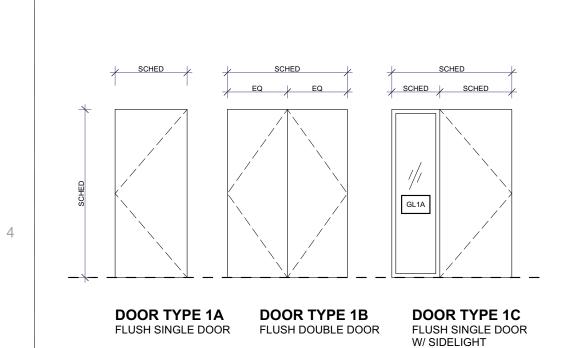
FOR PERMIT

11/30/2020

MARK DATE DESCRIPTION

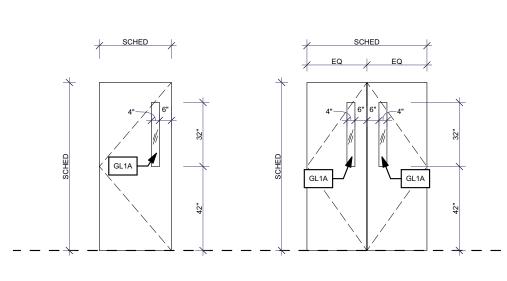
ASSEMBLY TYPES -FLOOR, ROOF, AND CEILING

4602



DOOR TYPE 1 - FLUSH DOOR

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



DOOR TYPE 2A
SINGLE DOOR W/ VISION PANEL

DOOR TYPE 2B
DOUBLE DOOR W/ VISION PANEL

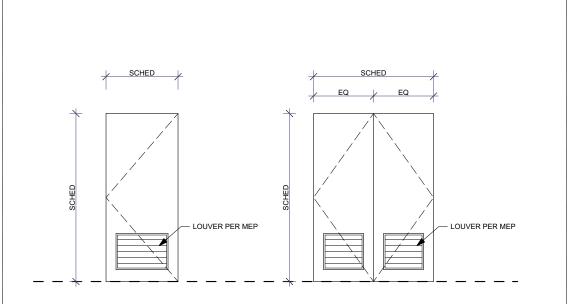
DOOR TYPE 2 - DOOR W/ VISION PANEL

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

SCHED GL 1A	SCHED EQ EQ G" G" G" G" G" G" G" G" GIA GLIA	SCHED VARIES 36" UNO 6" 6" 6" 6" 6"	SCHED EQ EQ GL1A GL1A GL1A GL1A GL1A
DOOR TYPE 3A SINGLE DOOR W/ FULL	DOOR TYPE 3B LITE DOUBLE DOOR W/ FULL LITE	DOOR TYPE 3C SINGLE DOOR W/ FULL LITE	DOOR TYPE 3D DOUBLE DOOR W/ FULL LITE

DOOR TYPE 3 - DOOR W/ FULL LITE

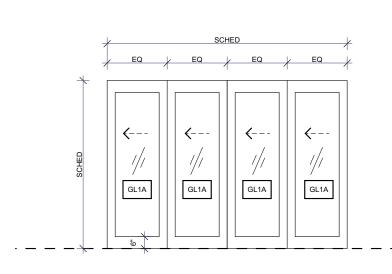
SCALE: 1/4" = 1'-0"



DOOR TYPE 4A
FLUSH SINGLE DOOR W/ LOUVER

DOOR TYPE 4B
FLUSH DOUBLE DOOR W/ LOUVERS

DOOR TYPE 4 - FLUSH DOOR W/ LOUVER
SCALE: 1/4" = 1'-0"



TRANSOM

DOOR TYPE 5
FOLDING PARTITION DOOR

DOOR TYPE 5 - FOLDING PARTITION DOOR

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

	DOOR SCHEDULE										
MARK				DOOR				FRAME	FIRE	HDWR.	REMARKS
	WIDTH	HEIGHT	TYPE	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	RATING	SET	
150A	3'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
154	5'	7'	4B	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
155	5'	7'	4B	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
156	3'	7'	3A	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
156A	34'-8 3/8"	7"	5	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
157A	3'	7'	3A	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
157B	3'	7'	3A	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		HUFCOR - GF1 SERIES OMNI FOLD
157C	5'	7'	4B	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
157D	5'	7'	4B	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
157E	5'	7'	4B	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
200	3'	7'	3C	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
250	3'	7'	3C	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
259	3'	7'	1A	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
260	3'	7'	1A	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
261	3'	7'	4A	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
265	3'	7'	3A	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
271	3'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
272	3'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
273	3'	7'	4A	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
300A	5'	7'	3D	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		4, 7
300B	5'	7'	3B	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	90 MIN		4, 7, 5
300C	5'	7'	2B	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
303B	3'	7'	3A	1 3/4"	ALUM / GLASS	ANODIZED	ALUM	ANODIZED	Unrated		
303C	5'	7'	4B	1 3/4"	SC WOOD	PAINTED	НМ	PAINTED	Unrated		
304A	5'	7'	3D	1 3/4"	НМ	POWDER COATED	ALUM	ANODIZED	Unrated		
304B	5'	7'	3D	1 3/4"	НМ	POWDER COATED	ALUM	ANODIZED	Unrated		
304C	5'	7'	3D	1 3/4"	НМ	POWDER COATED	ALUM	ANODIZED	Unrated		
304D-1	4'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
304D-2	5'	7'	1B	1 3/4"	HM	PAINTED	НМ	PAINTED	Unrated		4,7
304D-3	4'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
304E	3'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	Unrated		
312A	6'	8'	6	1 3/4"	HM	PAINTED	НМ	PAINTED	90 MIN		4, 7, 5
312B	6'	7'	2B	1 3/4"	HM	PAINTED	НМ	PAINTED	Unrated		4, 7
312C	4'	7'	2A	1 3/4"	HM	PAINTED	НМ	PAINTED	Unrated		,
313	3'	7'	2A	1 3/4"	HM	PAINTED	НМ	PAINTED	Unrated		
321	3'	7'	4A	1 3/4"	SC WOOD	PAINTED	HM	PAINTED	Unrated		
F1	3'	7'	1C	1 3/4"	HM	PAINTED	HM	PAINTED	Unrated		PT 1
F1	3'	7'	1C	1 3/4"	HM	PAINTED	HM	PAINTED	Unrated		
F2	3'	7'	1C	1 3/4"	НМ	PAINTED	HM	PAINTED	Unrated		
F2	3'	7'	1C	1 3/4"	НМ	PAINTED	HM	PAINTED	Unrated		PT 2
ST3-1A		7'	1A	1 3/4"	HM	PAINTED	НМ	PAINTED			5, 6, 7
		7'			НМ		_		90 MIN		
ST3-1B			1A	1 3/4"		PAINTED	HM	PAINTED	90 MIN		5, 6, 7
ST3-2	3'	7'	1A	1 3/4"	НМ	PAINTED	НМ	PAINTED	90 MIN		5, 6, 7

GENERAL NOTES:

ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE FABRICATION.

ALL EXTERIOR FENESTRATION SHALL HAVE AN <u>OVERALL ASSEMBLY U-FACTOR (NOT CENTER-OF-GLAZING)</u> COMPLYING WITH IECC REQUIREMENTS.

ALL NON-RATED INTERIOR GLAZED FRAMES SHALL RECEIVE TEMPERED SAFETY GLASS.

ALL NON-RATED INTERIOR GLAZED DOORS (INCLUDING VISION PANELS) SHALL RECEIVE TEMPERED SAFETY GLASS.

ALL FIRE RATED INTERIOR GLAZED DOOR, FRAMES, VISION PANELS, AND STOREFRONTS SHALL RECEIVE RATED SAFETY GLASS.

SEE GLAZING KEY FOR SPECIFIC ASSEMBLY REQUIREMENTS.

SEE SPECIFICATION FOR HARDWARE.

MAXIMUM U-FACTORS:

LEVER/ENTRY HARDWARE SHALL BE MOUNTED CENTERED AT 40" AFF, UNO.

IECC & NGBS U-FACTOR & SHGC REQUIREMENTS
(IECC TABLE C402.3)

VALUES BELOW ARE FOR ENTIRE ASSEMBLY, NOT FOR CENTER OF GLAZING.

IFCC

BUILDING IS COMMERCIAL PER IECC CH.2, THEREFORE IECC TABLE C402.4 APPLIES TO ALL NEW EXTERIOR WINDOWS

FIXED FENESTRATION: 0.38 Btu/h ft² °F OPERABLE FENESTRATION: 0.45 Btu/h ft² °F ENTRANCE DOORS: 0.77 Btu/h ft² °F SKYLIGHTS: 0.50 Btu/h ft² °F OPAQUE SWINGING DOORS: 0.61 Btu/h ft² °F (TABLE C402.1.4.)

MAXIMUM SOLAR HEAT GAIN COEFFICIENTS: SEW ORIENTATION, PF < 0.2: 0.40 SEW ORIENTATION, 0.2 \leq PF < 0.5: 0.48 SEW ORIENTATION, PF \geq 0.5: 0.64 N ORIENTATION, PF \leq 0.2: 0.53 N ORIENTATION, 0.2 \leq PF < 0.5: 0.58 N ORIENTATION, PF \geq 0.5: 0.64

3 INTERIOR GLAZING WILL NOT REQUIRE U-FACTOR OR SHGC RATINGS.

DOOR SCHEDULE REMARKS

INSULATED

DOOR SHALL BE TIGHT FITTING TO FRAME AND SILL PER IBC 1207.2

STOREFRONT DOOR, SEE STOREFRONT SCHEDULE FOR FURTHER DETAILS

HARDWIRED FOB ACCESS

EGRESS DOOR - TO COMPLY WITH IFC AND IBC REQUIREMENTS, PROVIDE PANIC HARDWARE ACCORDINGLY

6 (AT ALL STAIR DOORS) PROVIDE STAIRWAY IDENTIFICATION SIGN PER IBC 1023.9

INTERFACE WITH BUILDING FIRE ALARM SYSTEM

GLASS KEY:

GL1A WINDOW SAFETY GLASS
INSULATED FULLY TEMPERED GLASS UNIT, LOW-E, CLEAR

GL1B WINDOW TYPICAL GLASS
INSULATED GLASS UNIT, LOW-E, CLEAR

GL2A EXTERIOR STOREFRONT SAFETY GLASS
INSULATED FULLY TEMPERED GLASS UNIT, LOW-E, CLEAR

GL2B EXTERIOR STOREFRONT TYPICAL GLASS

INSULATED GLASS UNIT, LOW-E, CLEAR

GL3A INTERIOR STOREFRONT SAFETY GLASS

1/4" FULLY TEMPERED GLASS, CLEAR

GL3B INTERIOR STOREFRONT TYPICAL GLASS 1/4" FLOAT GLASS, CLEAR

GL4 VISION WINDOW
1/4" LAMINATED FLOAT GLASS

1/4 LAMINATED FLOAT GLASS

GL5 FIRE-RATED SAFETY GLASS
5/16" FULLY TMEPERED GLASS WITH FIRE RATING TO MATCH WALL/WINDOW/DOOR

NOTE: ALL WINDOWS FACING WAREHOUSE ARE TO RECEIVE SOUND ISOLATION GLAZING COMPRISED OF 3/4" LAMINATED GLAZING (SAFLEX TR-16-137 OR EQUAL), MINIMUM OF 2" AIR SPACE, AND 3//8" STANDARD FLOAT GLASS.

DOOR SCHEDULE PAINT REMARKS:

PT1 PAINTED; SHERWIN WILLIAMS - WHITE

PT2 PAINTED; SHERWIN WILLIAMS - BLACK

PT3 PAINTED; SHERWIN WILLIAMS - CUSTOM PAINT COLOR

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
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pavlina ilieva

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BALTIMORE, MD 21227

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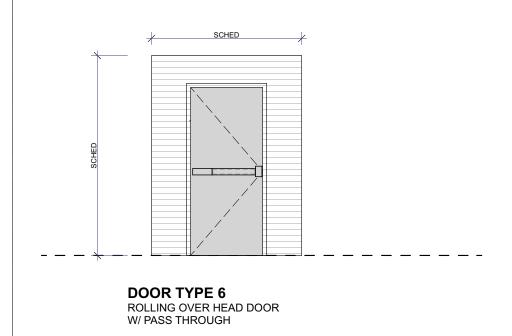
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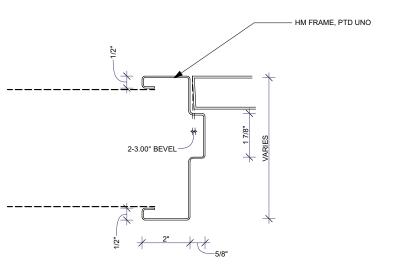
DOOR SCHEDULE

4610

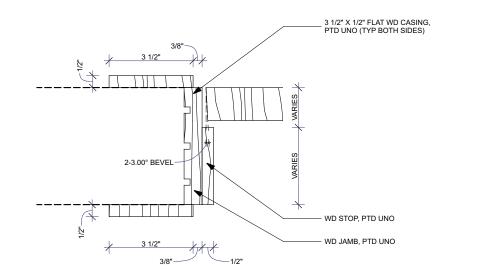


DOOR TYPE 6 - ROLL UP GARAGE DOOR

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

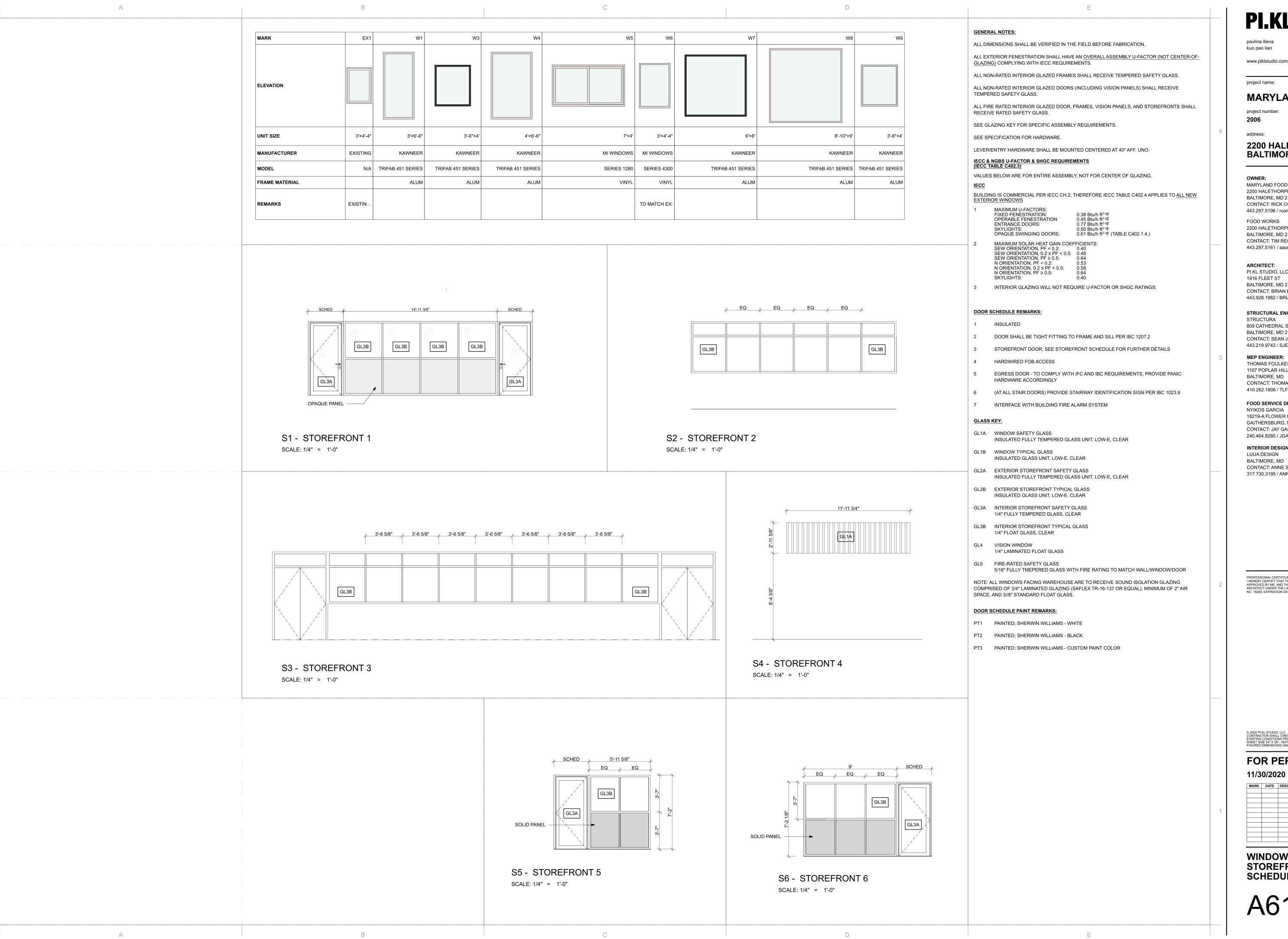


TYP HM FRAME
SCALE: 3" = 1'-0"



TYP WD FRAME

SCALE: 3" = 1'-0"



pavlina ilieva kuo pao lian

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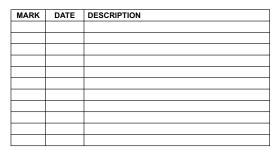
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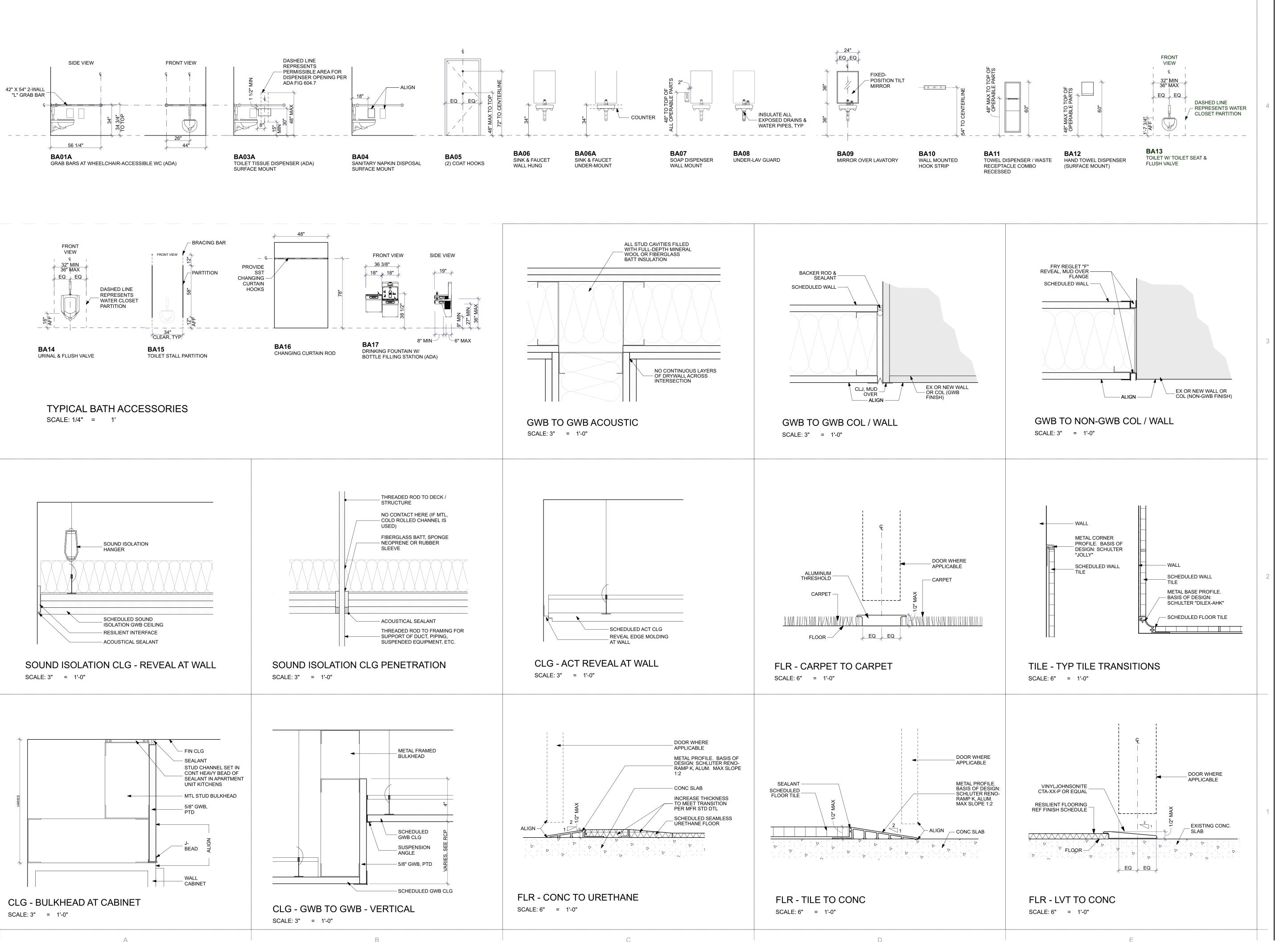
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FOR PERMIT

11/30/2020



WINDOW & **STOREFRONT SCHEDULE**



pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

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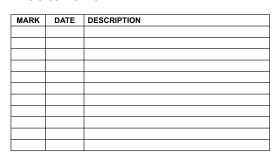
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FOR PERMIT 11/30/2020



TYPICAL TRANSITIONS AND ACCESSORIES

EXISTING AND ADJACENT STRUCTURES.

STRUCTURAL DOCUMENTS SHALL BE USED WITH OTHER CONSTRUCTION DOCUMENTS, INCLUDING ARCHITECTURAL, DEMOLITION, M/E/P, AND SITE DOCUMENTS. COORDINATE WITH THESE DOCUMENTS ALL FLOOR AND ROOF OPENINGS, DEPRESSIONS, DIMENSIONS, AND SLOPES, ETC. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIMITING CONSTRUCTION LOADS SUCH THAT THESE LOADS DO NOT EXCEED THE DESIGN LIVE LOADS NOTED ABOVE. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED DURING CONSTRUCTION TO SUPPORT CONSTRUCTION LOADS UNTIL SUCH TIME THAT THE STRUCTURE IS ABLE TO SUPPORT THE DESIGN LIVE LOADS NOTED.

SECTIONS AND DETAILS SHOWN ON THE STRUCTURAL DOCUMENTS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS THAT DO NOT HAVE A SPECIFIC SECTION INDICATED.

TYPICAL DETAILS APPLY AT ALL APPROPRIATE LOCATIONS AND ARE NOT GENERALLY CUT ON PLANS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TYPICAL DETAIL APPLICATIONS.

FOR INCONSISTENCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS, AND CONSTRUCTION DOCUMENTS, THE MOST STRICT REQUIREMENT SHALL APPLY. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND MISCELLANEOUS ITEMS INCLUDING BUT NOT LIMITED TO CLIPS, INSERTS, TIES, ANCHOR STRAPS, HANGERS, BOLTS, AND OTHER FASTENERS REQUIRED TO COMPLETE THE WORK.

EXISTING CONDITIONS

THE DRAWINGS MAY REFLECT INFORMATION PROVIDED BY OTHERS AND/OR EXISTING CONDITIONS THAT HAVE BEEN SURVEYED AND/OR DOCUMENTED TO THE GREATEST POSSIBLE EXTENT BUT NOT VERIFIED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COORDINATE THE WORK, INCLUDING, BUT NOT LIMITED TO, THE VERIFICATION OF ALL EXISTING CONDITIONS SHOWN IN THE DRAWINGS AND COORDINATION OF ALL NECESSARY BUILDING TRADES WITH EXIST-ING CONDITIONS, ANY AND ALL CONDITIONS THAT ARE MIS-REPRESENTED IN THESE DOCUMENTS OR ANY CONDITIONS THAT ARE NOT SHOWN BUT WARRANT THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER.

2. MEANS AND METHODS OF CONSTRUCTION AND TEMPORARY SHORING AND BRACING OF THE EXISTING STRUCTURE(S) ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER MAY INCLUDE PHASING, SEQUENCING, SHORING REQUIREMENTS, ETC. IN THE CONSTRUCTION DOCUMENTS TO ALERT, ASSIST, OR OTHERWISE DICTATE PROCEDURAL REQUIREMENTS THAT MAY BE NECESSARY TO PROPERLY IMPLEMENT THE STRUCTURAL PORTION OF THE WORK OR THAT MAY BE REQUIRED TO ENSURE BUILDING STABILITY; HOWEVER, THE CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS AND SHALL REMAIN COMPLETELY AND SOLELY RESPONSIBLE FOR COMPLETING THE WORK IN A SAFE AND TIMELY MANNER.

3. UNLESS NOTED OTHERWISE, IT HAS BEEN ASSUMED THAT THE EXISTING STRUCTURE(S) ARE IN SERVICEABLE CONDITION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY AND ALL AREAS OF STRUCTURAL DISTRESS (INCLUDING, BUT NOT LIMITED TO, CRACKS, SPALLING, ETC.) NOT INDICATED IN THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL NOT PROCEED WITH WORK IN SUCH AREAS WITHOUT DIRECTION FROM THE ENGINEER.

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY HILLIS CARNES, NOVEMBER 12TH, 2020. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR THE DESIGN.

2. ASSUMED SOIL BEARING VALUE OF 3,000 PSF TO BE VERIFIED BY GEOTECHNICAL ENGINEER OR QUALIFIED SOILS TECHNICIAN. REFER TO THE GEOTECHNICAL REPORT FOR EARTHWORK PROCEDURES, COMPACTION, AND ADDITIONAL INFORMATION.

3. ALL FOOTINGS SHALL PROJECT AT LEAST 1'-0" INTO UNDISTURBED NATURAL SOIL OR COMPACTED CONTROLLED FILL HAVING A BEARING VALUE AT LEAST EQUAL TO THAT SPECIFIED ABOVE.

4. BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 2'-6" BELOW FINISHED GRADE OR AS REQUIRED BY LOCAL CODE REQUIREMENTS. FOOTING ELEVATIONS INDICATED ON DRAWINGS HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION PROVIDED BY OTHERS AND MAY NOT VIOLATE THE FOREGO-ING CRITERIA. FOOTING ELEVATIONS SHALL BE LOWERED AS SITE CONDITIONS WARRANT FOR POOR SOIL CONDITIONS OR AS REQUIRED TO FACILITATE SITE UTILITIES OR EXISTING CONDITIONS.

5. UNLESS NOTED OTHERWISE ON THE DRAWINGS, WALL FOOTINGS SHALL BE 12" DEEP AND PROJECT 8" BEYOND EACH FACE OF THE WALL. WALL FOOTINGS SUPPORTING MASONRY WALLS SHALL BE REINFORCED WITH (3)#5 CONTINUOUS LONGITUDINAL BOTTOM BARS.

ALL DISTURBED EARTH UNDER FOOTINGS SHALL BE REPLACED WITH LEAN CONCRETE.

7. ALL BEARING STRATA SHALL BE ADEQUATELY DRAINED BEFORE FOUNDATION CONCRETE IS PLACED.

8. NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (TWO HORIZONTAL TO ONE VERTICAL) TO AN EXISTING FOOTING OR STRUCTURE UNLESS NOTED OTHERWISE.

DO NOT PLACE CONCRETE OVER FROZEN SOIL.

10. UNLESS NOTED OTHERWISE, CENTERLINES OF FOOTINGS SHALL MATCH CENTERLINES OF COLUMNS, PEDESTALS, AND/OR PIERS.

11. MUD MATS SHALL BE PROVIDED TO PROTECT FOUNDATION EXCAVATIONS WHEN NECESSARY

SLABS ON GRADE

EXCEPT WHERE OTHERWISE NOTED, SLAB ON GRADES SHALL HAVE THE FOLLOWING PROPERTIES:

A. THICKNESS: 4 IN.

B. REINFORCING: 6X6 W1.4xW1.4 (TOP THIRD OF THICKNESS)

C. BASE COURSE SUBGRADE (SOG ONLY): 6 IN. WASHED GRAVEL

D. POLYETHYLENE VAPOR BARRIER (SOG ONLY): 10 MIL. (JOINTS LAPPED A MINIMUM OF 6 IN.) 2. PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 15'-0" O.C. EACH WAY IN ALL SLABS ON GRADE. CONTROL JOINTS SHALL BE EITHER SAWCUT WITHIN 4 HOURS AFTER FINISHING OR SHALL BE INSTALLED WITH PRE-FABRICATED MECHANICAL JOINT

3. PROVIDE ADDITIONAL (2)#5 x6'-0" REINFORCING BARS AT ALL RE-ENTRANT CORNERS.

4. THE CONTRACTOR SHALL COORDINATE THE SIZES AND LOCATIONS OF SLAB EDGES, DEPRESSIONS, FOLDS, OPENINGS, HOUSEKEEPING SLABS, AND FINISHES WITH THE ARCHITECTURAL DRAWINGS, INTERIOR DESIGN DRAWINGS, AND MEP DRAWINGS.

CONCRETE

1. ALL CONCRETE CONSTRUCTION INCLUDING DETAILING, FABRICATION, PLACEMENT OF REINFORCING, MIXING, HANDLING, PLACING, FINISHING, AND CURING SHALL CONFORM TO ACI-301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE", ACI-315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", AND ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY".

2. ALL CONCRETE SHALL CONFORM TO ASTM C94. DO NOT PROVIDE AIR ENTRAINMENT FOR CONCRETE THAT WILL RECEIVE A SMOOTH, DENSE, HARD-TROWELED FINISH. PROVIDE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AND WATER/CEMENT RATIOS:

3. THE CONTRACTOR SHALL PROVIDE CONCRETE MIX DESIGN DATA CONFORMING TO CHAPTER 19 OF ACI 318 FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED. MIX DESIGN DATA SHALL INCLUDE CONCRETE STRENGTH, SLUMP, AIR ENTRAINMENT, PROPOSED AGGREGATES, ADMIXTURES, POZZOLANS, AND

4. MATERIALS USED IN CONCRETE MIXES SHALL CONFORM TO THE FOLLOWING STANDARDS

A. PORTLAND CEMENT CONFORMING TO ASTM C150

B. FLY ASH CLASS C & F CONFORMING TO ASTM C618. FLY ASH SHALL BE LIMITED TO A MAXIMUM OF 20% OF TOTAL CEMENTITIOUS MATERIALS BY WEIGHT AND SHALL NOT BE USED IN COLD WEATHER AND EXTERIOR APPLICATIONS.

C. GROUND GRANULATED BLAST-FURNACE SLAG GRADE 100 & 120 CONFORMING TO ASTM C989. SLAG SHALL BE LIMITED TO A MAXIMUM OF 50% OF TOTAL CEMENTITIOUS MATERIALS BY WEIGHT IN TYPICAL APPLICATIONS AND 25% IN COLD WEATHER AND EXTERIOR APPLICATIONS.

D. AIR-ENTRAINED ADMIXTURES CONFORMING TO ASTM C260

APPLICATION	ACI CLASSIFICATION* (ACI-318 CHAPTER 19)	F'C	MAXIMUM W/C	TARGET AIR CONTENT
FOUNDATIONS	F0, S0, W0, C0	3,000 PSI	N/A	N/A
INTERIOR SLABS ON GRADE	F0, S0, W0, C0	3,000 PSI	N/A	N/A
EXTERIOR SLABS ON GRADE	F3, S0, W1, C2	4,500 PSI	0.45	6%
DECK SUPPORTED SLABS (NORMAL WEIGHT—145 PCF +/- 3 PCF)	F0, S0, W0, C0	3,500 PSI	N/A	N/A

*REFER TO ACI-318 TABLE 19.3.2.1 FOR ADDITIONAL REQUIREMENTS AND INFORMATION

E. ADDITIONAL ADMIXTURES SHALL CONFORM TO ASTM C494 AND ASTM C1017

5. CONCRETE AGGREGATES SHALL CONFORM TO THE FOLLOWING STANDARDS

A. NORMAL WEIGHT AGGREGATES SHALL CONFORM TO ASTM C33

B. LIGHTWEIGHT WEIGHT AGGREGATES SHALL CONFORM TO ASTM C330

C. MAXIMUM AGGREGATE SIZE FOR CONCRETE: 1 IN.

D. MAXIMUM AGGREGATE SIZE FOR PEA-GRAVEL CONCRETE: 3/8 IN.

PROPORTION AND DESIGN MIXES TO RESULT IN A CONCRETE SLUMP OF 31/2 IN. ± 1 IN. AT THE POINT OF PLACEMENT. CONCRETE CONTAINING HIGH-RANGE WATER REDUCING ADMIXTURES (HRWR) SHALL HAVE A SLUMP OF 4 IN. TO 8 IN.

7. THE OWNER SHALL RETAIN THE SERVICES OF A QUALIFIED TESTING AGENCY TO PROVIDE TESTING OF CONCRETE TO INCLUDE COMPRESSIVE STRENGTH, TEMPERATURE, SLUMP, AND AIR ENTRAINMENT. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF CONCRETE PLACED, NOR LESS THAN ONCE FOR EACH 5,000 SQ. FT. OF SURFACE AREA OF SLABS OR WALLS. EACH SAMPLE SHALL INCLUDE THE FOLLOWING:

A. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN AS FOLLOWS:

I. SLAB ON DECK, AND SLABS ON GRADE: UNLESS OTHERWISE INDICATED OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 150 CUYD OR 5000 SQ. FT OF SURFACE AREA.

II. FOUNDATIONS: OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 150 CUYD.

III. WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN FIVE COMPRESSIVE-STRENGTH TESTS FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.

C. COMPRESSION STRENGTH TESTS PER ASTM C 39/C 39M SHALL BE AS FOLLOWS:

I. FOUNDATIONS, SLAB ON DECK, AND SLABS ON GRADE: UNLESS OTHERWISE INDICATED TEST ONE SET OF LABORATORY-CURED SPECIMENS AT 7 DAYS AND ONE SET OF LABORATORY-CURED SPECIMENS AT 28 DAYS. HOLD ONE SET OF LABORATORY-CURED SPECIMENS IN RESERVE.

8. PROVIDE CONSTRUCTION JOINTS AS REQUIRED, SUBJECT TO THE FOLLOWING:

A. PROVIDE A SHOP DRAWING INDICATING LOCATIONS OF PROPOSED CONSTRUCTION JOINTS. LOCATIONS OF CONSTRUCTION JOINTS ARE SUBJECT TO APPROVAL OF THE ARCHITECT. CONSTRUCTION JOINT LOCATIONS SHALL BE INDICATED ON THE REINFORCING STEEL SHOP DRAWINGS.

B. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO THE SURFACE PLANE OF CONCRETE, AND INSTALL JOINTS SO THE STRENGTH

AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED. PLACE JOINTS PERPENDICULAR TO THE MAIN REINFORCEMENT, AND CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED.

C. FORM KEYED JOINTS AS INDICATED. EMBED KEYS AT LEAST 1-1/2 INCHES (38 MM) INTO CONCRETE.

D. LOCATE JOINTS FOR BEAMS, SLABS, JOISTS, AND GIRDERS IN THE MIDDLE THIRD OF SPANS. OFFSET JOINTS IN GIRDERS A MINIMUM DISTANCE OF TWICE THE BEAM WIDTH FROM A BEAM-GIRDER INTERSECTION.

E. LOCATE HORIZONTAL JOINTS IN WALLS AND COLUMNS AT UNDERSIDE OF FLOORS, SLABS, BEAMS, AND GIRDERS AND AT THE TOP OF FOOTINGS OR

F. USE A BONDING AGENT AT LOCATIONS WHERE FRESH CONCRETE IS PLACED AGAINST HARDENED OR PARTIALLY HARDENED CONCRETE

REINFORCEMENT STEEL

1. CONCRETE REINFORCING SHALL CONFORM TO THE FOLLOWING STANDARDS:

A. DEFORMED BARS: ASTM A615, GRADE 60

B. DEFORMED BARS (WELDABLE): ASTM A706

C. WELDED WIRE MESH: ASTM A185

2. FABRICATE AND PROVIDE STANDARD SUPPORTING ACCESSORIES IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315, AND CRSI'S MANUAL OF STANDARD PRACTICE. PROVIDE EITHER CRSI CLASS 1 BAR SUPPORTS OR PRECAST CONCRETE BAR SUPPORTS FOR REINFORCING IN FOUNDATIONS AND SLABS ON GRADE.

3. UNLESS NOTED OTHERWISE, REINFORCING SHALL BE CONTINUOUS WITH CLASS B LAP SPLICES, HOOKS SHALL BE STANDARD HOOKS, AND WALL INTERSECTIONS SHALL HAVE CORNER/L-BARS. LAP WELDED WIRE MESH SUCH THAT THE OVERLAP OF THE OUTERMOST CROSS-WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS-WIRES PLUS 2 IN. REFER TO THE TYPICAL DETAILS FOR ADDITIONAL DETAILING REQUIREMENTS.

4. CONCRETE PROTECTION FOR REINFORCEMENT:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 IN.

B. CONCRETE EXPOSED TO EARTH OR WEATHER NO. 6 AND LARGER: 2 IN.

C. CONCRETE EXPOSED TO EARTH OR WEATHER NO. 5 AND SMALLER: 1-1/2 IN

D. INTERIOR SLABS AND JOISTS NOT EXPOSED TO WEATHER: 3/4"

E. SLABS ON GRADE: TOP THIRD OF THICKNESS

CONCRETE MASONRY

1. CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", TMS 402, AND "SPECIFICATIONS FOR MASONRY STRUCTURES", TMS 602.

2. MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY UNIT SHALL BE:

A. TYPICAL: 1900 PSI (MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY, F'M SHALL BE 1500 PSI)

3. CONCRETE MASONRY SHALL BE NORMAL WEIGHT CONFORMING TO ASTM C90, AND SHALL PROVIDE THE MINIMUM FIRE-RATING REQUIRED IN THE ARCHITECTUR

4. METAL REINFORCEMENT AND ACCESSORIES SHALL CONFORM TO THE FOLLOWING STANDARDS:

A. DEFORMED BARS: ASTM A615, GRADE 60

B. JOINT REINFORCEMENT: ASTM A951

C. ANCHORS TIES AND ACCESSORIES:

I. STRUCTURAL STEEL: ASTM A36

II. PLAIN STEEL WIRE: ASTM A82

III. COLD-ROLLED CARBON STEEL SHEET: ASTM A366

IV. STAINLESS STEEL: ASTM A167, TYPE 304

GROUT SHALL CONFORM TO ASTM C476, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. TESTING SHALL CONFORM TO ASTM C1019 PROVIDE FINE AND COARSE GROUTS AS APPROPRIATE FOR THE SIZE OF THE VOID BEING FILLED. GROUT SHALL HAVE A MINIMUM SLUMP OF 8 INCHES PROVIDED BY SUFFICIENT WATER CONTENT. WATER-REDUCING ADMIXTURES ARE NOT PERMITTED.

6. MORTAR SHALL CONFORM TO ASTM C270, TYPE M OR S, AND SHALL USE PCL OR MORTAR CEMENT. MASONRY CEMENT IS NOT PERMITTED FOR CONCRETE MASONRY UNITS (CMU). MORTAR USED BELOW GRADE SHALL BE TYPE M.

7. UNLESS NOTED OTHERWISE, CMU SHALL BE LAID IN RUNNING BOND WITH 100% SOLID "FULL" MORTAR JOINTS (INCLUDING CROSS WEBS).

8. REINFORCED CELLS, AND UNREINFORCED CELLS SPECIFIED TO BE GROUTED, SHALL BE FILLED SOLID WITH GROUT. STOP POURS 1-1/2 INCHES BELOW THE BED JOINT TO FORM A KEY AT POUR JOINTS. CELLS TO RECEIVE REINFORCING SHALL BE CLEAN OF MORTAR DROPPINGS.

9. UNLESS NOTED OTHERWISE, ALL BELOW GRADE EXTERIOR MASONRY WALLS SHALL BE GROUTED SOLID.

10. REFER TO THE TYPICAL DETAILS FOR MINIMUM REINFORCING LAP SPLICE LENGTHS.

11. HORIZONTAL LADDER-TYPE JOINT REINFORCEMENT SHALL BE FABRICATED FROM GALVANIZED COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A82 WITH 3/16" DIAM. SIDE RODS AND 9 GA. CROSS RODS, AND PROVIDED AS FOLLOWS:

A. TYPICAL CONDITIONS: 16 INCHES ON CENTER, UNLESS NOTED OTHERWISE

B. AT BELOW GRADE WALLS: 8 INCHES ON CENTER

C. AT WALL OPENINGS, PROVIDE ADDITIONAL REINFORCEMENT NOT MORE THAN 8 INCHES ABOVE AND BELOW THE OPENING, AND TERMINATED 2 FT. BEYOND THE OPENING EACH SIDE.

D. PROVIDE CONTINUITY AT INTERSECTIONS AND CORNERS USING PREFABRICATED T-SHAPED AND L-SHAPED UNITS. LAP JOINT REINFORCING A

12. TIES, ANCHORS, METAL ACCESSORIES, AND JOINT REINFORCEMENT SHALL BE PROTECTED FROM CORROSION AS FOLLOWS:

A. JOINT REINFORCEMENT: GALVANIZED IN ACCORDANCE WITH ASTM A951

B. METAL ACCESSORIES IN EXTERIOR WALLS: HOT DIPPED GALVANIZED WITH 1.5 OUNCES PER SQ. FOOT MINIMUM COATING IN ACCORDANCE WITH

C. METAL ACCESSORIES IN INTERIOR WALLS: MILL GALVANIZED WITH 0.1 OUNCE PER SQ. FOOT MINIMUM COATING IN ACCORDANCE WITH ASTM A641

D. ALL SHEET METAL ANCHORS AND TIES: GALVANIZED CLASS G-60

13. UNLESS NOTED OTHERWISE, VERTICAL CONTROL JOINTS IN CMU WALLS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 30 FEET ON CENTER.

14. SIDES, TOPS, AND BASES OF ALL LOAD BEARING AND NON-LOAD BEARING CMU WALLS SHALL BE ANCHORED TO THE STRUCTURE. THESE ANCHORAGES SHALL ALLOW INDEPENDENT MOVEMENT OF THE STRUTURE WHERE REQUIRED. REFER TO TYPICAL DETAILS AND SECTIONS FOR ADDITIONAL INFORMATION.

15. UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING MINIMUM VERTICAL WALL REINFORCING:

A. EXTERIOR WALLS: #5@32 INCHES ON CENTER

B. STAIR AND ELEVATOR TOWER WALLS: #5@32 INCHES ON CENTER

C. REINFORCE THE FIRST CELL AT CORNERS, ENDS OF WALLS AND INTERSECTIONS WITH A MINIMUM OF (1) #5 VERTICAL

16. BOND BEAM UNITS SHALL BE OPEN CELL UNITS THAT PERMIT VERTICAL REINFORCING TO PASS THROUGH. WHERE BOND BEAM COURSES STEP DUE TO SLOPING CONDITIONS, LAP REINFORCING A MINIMUM OF 4 FEET. UNLESS NOTED OTHERWISE, PROVIDE THE FOLLWOING MINIMUM BOND BEAM REINFORCING:

A. EXTERIOR WALLS: (2)#4 x CONT. BELOW EACH FRAMING LEVEL]

B. INTERIOR NON-LOAD BEARING WALLS: (2)#4 x CONT. BELOW EACH FRAMING LEVEL

17. PROVIDE LINTELS AT ALL MASONRY OPENINGS WIDER THAN 12 IN. LINTELS SHALL BE EITHER PRE-ENGINEERED PRECAST CONCRETE LINTELS, OR STEEL LIN-TELS. REFER TO THE DRAWINGS FOR REQUIREMENTS BASED ON SPAN LENGTH AND LOADING CONDITIONS.

18. PROVIDE SLEEVES AT ALL PIPE PENETRATIONS. MULTIPLE SLEEVE PENETRATIONS SHALL BE SPACED A MINIMUM OF 24 IN. O.C. AND SHALL BE LOCATED A MINIMUM OF 4 FT. FROM WALL ENDS.

19. IT IS THE CONTRACTORS OPTION TO PROVIDE STEEL ANGLE LINTELS AT MASONRY OPENINGS IN NON-LOAD BEARING MASONRY WALLS FOR EACH 4 IN. OF WALL THICKNESS AS FOLLOWS. PROVIDE 8 IN. OF BEARING EACH END. STEEL LINTELS USED IN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED.

A. L4x3-1/2x5/16 (LLV) FOR OPENINGS UP TO 4'-0"

B. L5x3-1/2x3/8 (LLV) FOR OPENINGS 4'-1" TO 6'-0"

C. L6x3-1/2x3/8 (LLV) FOR OPENINGS 6'-1" TO 8'-0"

STRUCTURAL STEEL

kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK project number:

20-092

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HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36193, EXPIRATION DATE: 9/18/2022.

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SHEET SIZE 24" X 36". NOT TO SCALE AT OTHER SHEET SIZES
FIGURED DIMENSIONS ONLY, DO NOT SCALE FROM DRAWING

FOR PERMIT

11/30/2020 MARK DATE DESCRIPTION

STRUCTURAL NOTES

BOLTED CONNECTIONS SHALL CONFORM TO RCSC'S "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS." BOLTS SHALL BE A MINIMUM 3/4 IN. DIAMETER AND SHALL CONFORM TO THE FOLLOWING STANDARDS:

A. HIGH STRENGTH BOLTS: ASTM F3125 GRADE A325

B. HIGH STRENGTH BOLTS "TWIST OFF" TYPE: ASTM F3125 GRADE F1852

C. HEAVY-HEX NUTS: ASTM A563 D. WASHERS: ASTM F436

REACTION OF 12.0 KIPS.

E. ANCHOR RODS: ASTM F1554, GRADE 55, WELDABLE

WELDING, WELDING ELECTRODES, AND FLUXES SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". WELDS SHALL BE INSTALLED BY WELDERS QUALIFIED IN ACCORDANCE WITH AWS PROCEDURES FOR WELDER QUALIFICATION. ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI (E70XX). FILLET WELDS SHALL BE 3/16" MINIMUM UNLESS NOTED OTHERWISE.

BOLTED CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:

A. EXCEPT AS NOTED, BOLTS SHALL BE BEARING TYPE AND INSTALLED SNUG TIGHT

STANDARD CONNECTIONS SHALL BE DETAILED IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION". CONNECTIONS SHALL BE DESIGNED BASED ON THE FOLLOWING CONTROLLING CRITERIA:

A. SERVICE LOAD REACTIONS NOTED ON STRUCTURAL DRAWINGS

B. MINIMUM LENGTH OF SHEAR CONNECTION SHALL BE T/2 (WHERE T IS THE DISTANCE BETWEEN WEB TOES OF FILLETS AT TOP AND AT BOTTOM OF

C. PROVIDE FULL LENGTH SHEAR CONNECTIONS AT BEAM/GIRDER TO COLUMNS.

D. UNLESS A REACTION IS NOTED ON PLAN, THE DESIGN SERVICE REACTION AT EACH END OF A NON-COMPOSITE BEAM SHALL BE MINIMUM

G. REFERENCE TYPICAL DETAILS FOR ADDITIONAL CONNECTION CRITERIA.

PRIOR TO DETAILING STEEL CONNECTIONS, THE FABRICATOR SHALL SUBMIT FOR APPROVAL REPRESENTATIVE DETAILS AND CALCULATIONS FOR EACH TYPE OF STRUCTURAL STEEL CONNECTION TO BE UTILIZED. FOR STRUCTURAL-STEEL CONNECTIONS INDICATED TO COMPLY WITH DESIGN LOADS, INCLUDE ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.

GROUT UNDER STEEL PLATES SHALL BE NONMETALLIC, SHRINKAGE-RESISTANT GROUT CONFORMING TO ASTM C1107 HAVING A MINIMUM DESIGN COMPRESSIVE STRENGTH OF 5,000 PSI.

). SPLICING AND PENETRATIONS OF STRUCTURAL STEEL MEMBERS IS NOT PERMITTED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

10. STEEL SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE TO ASTM A123 IN THE FOLLOWING APPLICATIONS:

A. EXTERIOR STEEL EXPOSED TO WEATHER

B. CLEAN AREAS WHERE GALVANIZING IS DAMAGED OR MISSING AND REPAIR GALVANIZING TO COMPLY WITH ASTM A 780/A 780M.

11. ALL STRUCTURAL STEEL EXCEPT THOSE MEMBERS THAT WILL BE GALVANIZED, AREAS TO BE FIELD WELDED, AREAS TO RECEIVE FIRE-PROOFING AND AREAS TO BE EMBEDDED IN CONCRETE SHALL RECEIVE ONE COAT OF STANDARD PRIMER PAINT.

12. ALL BELOW GRADE STRUCTURAL STEEL EXPOSED TO SOIL SHALL BE PROTECTED WITH A BITUMINOUS COATING.

13. UNLESS NOTED OTHERWISE, PROVIDE COLUMN CAP PLATES AS FOLLOWS:

A. FOR DECK BEARING: 1/4" THICK (PROVIDE WHERE BEAMS DO NOT FRAME INTO BOTH SIDES OF WEB)

B. FOR JOIST BEARING: 1/2" THICK AT K-SERIES JOISTS, 3/4" THICK AT LH & DLH JOISTS, AND 1" THICK AT JOIST GIRDERS

C. FOR BEAM BEARING: SEE TYPICAL DETAILS, 3/4" THICK MIN.

D. MOMENT CONNECTIONS: SEE TYPICAL DETAILS

14. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS.

STEEL JOISTS, AND BRIDGING SHALL CONFORM TO SJI'S "STANDARD SPECIFICATIONS" FOR K, SERIES JOISTS AND SJI'S "RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS".

PROVIDE AND ANCHOR BRIDGING LINES ACCORDING TO SJI SPECIFICATIONS. BRIDGING INDICATED ON DRAWINGS IS SCHEMATIC, AND MAY NOT REFLECT THE SJI REQUIRED MINIMUM NUMBER OF BRIDGING ROWS. PROVIDE UPLIFT BRIDGING LINES AT MEMBER ENDS AT ALL ROOF APPLICATIONS. PROVIDE ADDITIONAL BRIDGING AS NOTED ON PLANS/DETAILS. WHERE BRIDGING IS INTERRUPTED BY DUCTS, LIGHT FIXTURES, ETC., PROVIDE DIAGONAL BRIDGING EACH SIDE OF INTERRUPTION

UNLESS NOTED OTHERWISE, STEEL JOISTS SHALL BE ANCHORED TO SUPPORTING STRUCTURE WITH THE FOLLOWING MINIMUM ATTACHMENTS

A. K-SERIES TO STEEL: 2-1/2" MINIMUM BEARING w/ (2) 1/8 IN. FILLET WELDS 2 IN. LONG.

B. BOLTING TO STEEL BEAMS/GIRDERS IS NOT PERMITTED EXCEPT AS REQUIRED BY OSHA TO MEET ERECTION STABILITY REQUIREMENTS

THE FOLLOWING ACRONYMS MAY BE USED IN THE DRAWINGS:

A. "BCS" INDICATES THAT THE JOIST HAS A BOTTOM CHORD EXTENSION. BOTTOM CHORD EXTENSIONS SHALL HAVE POSITIVE ATTACHMENTS TO THE SUPPORT BY BOLTING OR BY WELDING FOR THE INDICATED LOADS. THE BOTTOM CHORD SHALL BE THE SAME AS THE TOP CHORD. BOTTOM CHORD EXTENSIONS SHALL BE CONNECTED ONLY AFTER ALL DEAD LOADS ARE APPLIED.

B. "SP#" INDENTIFIES A JOIST WITH SPECIAL LOADING OR DEFLECTION CRITERIA AND SHALL BE DESIGNED BY THE JOIST MANUFACTURER FOR THE

K-SERIES TOP CHORD EXTENSIONS SHALL BE TYPE R MINIMUM UNLESS NOTED OTHERWISE.

PROVIDE CEILING EXTENSIONS CAPABLE OF SUPPORTING A 50 LB. LOAD WHERE REQUIRED.

EXTEND JOIST AND JOIST GIRDER BOTTOM CHORDS TO STABILIZER PLATES AT ALL COLUMN TO JOIST CONNECTIONS. DO NOT PROVIDE POSITIVE ATTACHMENT TO STABILIZER PLATE UNLESS NOTED ON PLAN AS BOTTOM CHORD EXTENSION (BCS).

JOISTS SHALL BE DESIGNED FOR THE FOLLOWING CRITERIA:

A. DEAD LOAD TO TOTAL LOAD RATIO SHALL BE 0.45:1 UNLESS NOTED OTHERWISE

B. JOIST LIVE LOAD DEFLECTION SHALL BE LIMITED TO SPAN/360

C. THE CONTRACTOR SHALL SHALL SUBMIT ALL MECHANICAL AND CONSTRUCTION LOADS NOT SPECIFICALLY NOTED ON THE PLANS TO JOIST MANUFACTURER PRIOR TO JOIST FABRICATION.

D. CONTRACTOR SHALL SUBMIT HANGER SUPPORT LOCATIONS TO JOIST MANUFACTURER AND ENGINEER FOR ALL SPRINKLER LINES GREATER THEN 3 1/2" DIAMETER PRIOR TO JOIST FABRICATION.

CONCENTRATED LOADS AND HANGER LOADS ARE TO BE LOCATED AT JOIST PANEL POINTS OR REINFORCED PER TYPICAL DETAILS.

10. SUBMIT SHOP DRAWINGS INCLUDING ERECTION PLANS AND DETAILS FOR APPROVAL. PROVIDE CALCULATIONS OR JOIST DIAGRAMS FOR ALL SPECIAL JOISTS.

STEEL ROOF DECK

METAL ROOF DECK SHALL CONFORM TO AISI'S "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", AND TO SDI'S "SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK".

WELDING SHALL CONFORM TO AWS D1.3-98 "STRUCTURAL WELDING CODE-SHEET STEEL"

3. STEEL ROOF DECKING SHALL BE GALVANIZED STEEL SHEET CONFORMING TO ASTM A653, GRADE 33 (MIN), AND MINIMUM G60 ZINC COATING.

ROOF DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER A MINIMUM OF 3 SPANS, UNLESS NOTED OTHERWISE. FOR ONE AND TWO SPAN CONDITIONS, PROVIDE HEAVIER GAGE DECK AS REQUIRED TO SUPPORT DESIGN LOADS.

STEEL ROOF DECK SHALL HAVE THE FOLLOWING MINIMUM POSITIVE DESIGN PROPERTIES PER FOOT WIDTH:

A. 1-1/2" ROOF DECK, WIDE RIB, 20 GAGE: I_p=0.201 IN⁴, S_p=0.234 IN³, T=0.0358 IN.

PROVIDE A MINIMUM OF 1-1/2" BEARING AT ALL SUPPORTING STEEL. UNLESS NOTED OTHERWISE ON PLAN, ROOF DECK SHALL BE FASTENED AS FOLLOWS:

A. TO SUPPORTING STEEL MEMBERS WITH 5/8" DIA. PUDDLE WELDS AT 12" O.C. (36/4 PATTERN)

B. TO PERIMETER STEEL WITH 5/8" DIA. PUDDLE WELDS AT 6" O.C.

C. SIDELAPS WITH SELF DRILLING NO. 10 SCREWS AT MIDSPAN (36" O.C. MAX)

1. METAL DECK SHALL CONFORM TO AISI'S "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", AND TO SDI'S "SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK".

2. WELDING SHALL CONFORM TO AWS D1.3-98 "STRUCTURAL WELDING CODE-SHEET STEEL"

3. STEEL FORM DECKING (NON-COMPOSITE) SHALL BE GALVANIZED STEEL SHEET CONFORMING TO ASTM A653, GRADE 50 (MIN), AND MINIMUM G60 ZINC COATING.

4. PROVIDE WELDING WASHERS FOR 22 GAGE DECK OR LIGHTER.

5. STEEL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER A MINIMUM OF 3 SPANS, UNLESS NOTED OTHERWISE. FOR ONE AND TWO SPAN CONDITIONS, PROVIDE HEAVIER GAGE DECK AS REQUIRED TO SUPPORT DESIGN LOADS.

6. STEEL DECK SHALL HAVE THE FOLLOWING MINIMUM POSITIVE DESIGN PROPERTIES PER FOOT WIDTH:

A. 9/16" FORM DECK, 26 GAGE: I=0.015 IN⁴, S_p=0.043 IN³, T=0.0179 IN.

7. PROVIDE A MINIMUM OF 2" BEARING AT ALL SUPPORTING STEEL. UNLESS NOTED OTHERWISE ON PLAN, FLOOR DECK SHALL BE FASTENED AS FOLLOWS:

A. TO SUPPORTING STEEL MEMBERS WITH 5/8" DIA. PUDDLE WELDS AT 12" O.C. (36/4 PATTERN)

B. TO PERIMETER STEEL WITH 5/8" DIA. PUDDLE WELDS AT 6" O.C.

C. SIDE LAPS WITH SELF DRILLING NO. 10 SCREWS AT MIDSPAN (36" O.C. MAX)

D. BUTTON PUNCHING IS NOT PERMITTED

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY STEEL DECK ACCESSORIES INCLUDING BUT NOT LIMITED TO: RIDGE AND VALLEY PLATES, FINISH STRIPS, END CLOSURES, REINFORCING CHANNELS AND SUMP PANS AND PLATES. PROVIDE COVER PLATES (BUTT PLATES) AT CHANGES IN ROOF DECK PANELS. ACCESSORIES SHALL MATCH MATERIAL AND FINISH OF SPECIFIED DECK AND SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.

9. THE CONTRACTOR SHALL CONTINUOUSLY MONITOR SLAB THICKNESS (CONCRETE PONDING) POURED OVER STEEL DECK BY "DIPSTICKING" MIDDLE OF FRAMING BAYS. IN NO INSTANCE SHALL TOTAL ADDITIONAL (PONDED) CONCRETE EXCEED 1 IN. (MAXIMUM SLAB THICKNESS INCLUDING PONDING SHALL NOT EXCEED TOTAL SPECIFIED SLAB THICKNESS + 1 IN.). IF PONDING LIMIT IS REACHED, FLOOR LEVELNESS AND FLATNESS SHALL BE ACHIEVED THROUGH A LIGHT-WEIGHT SELF LEVELING TOPPING APPLIED AFTER CONCRETE CURING.

MISCELLANEOUS METAL FABRICATIONS

1. METAL STAIRS (STRINGERS, TREADS, PLATFORMS, LANDINGS, ETC.), LADDERS, HANDRAILS AND GUARDRAILS, BATHROOM AND KITCHEN COUNTER AND SINK SUPPORTS, SHELVING UNITS, FURNITURE AND FIXTURE SUPPORTS, SUPPORTS FOR INTERIOR ARCHITECTURAL WALLS, AND ALL OTHER MISCELLANEOUS STEEL THAT IS NOT PART OF THE MAIN BUILDING STRUCTURE SHALL BE DESIGNED AND DETAILED (INCLUDING CONNECTIONS TO THE MAIN BUILDING STRUCTURE) BY THE FABRICATOR AND SHALL BE CAPABLE OF SUPPORTING ALL APPLICABLE LIVE LOADS AND SUPERIMPOSED DEAD LOADS. THE DESIGN SHALL CONSIDER THE COMBINED LOAD EFFECTS OF DEAD, LIVE AND SEISMIC LOADS. THE DESIGNER SHALL USE THE APPLICABLE LOAD COMBINATIONS OF ASCE 7 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES". REFER TO THE ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR THE LOCATIONS, DIMENSIONS, DE-TAILS, ETC. FOR ALL MISCELLANEOUS METALS ASSEMBLIES, AND REFER TO THE PROJECT SPECIFICATIONS AND TYPICAL STRUCTURAL DETAILS FOR ADDITION-AL REQUIREMENTS. MISCELLANEOUS METALS ASSEMBLIES ARE GENERALLY NOT SHOWN IN THE STRUCTURAL DRAWINGS.

2. IN ADDITION TO THE DESIGN LOADS, MISC. METAL FABRICATIONS SHALL MEET THE FOLLOWING DESIGN CRITERIA:

A. MAXIMUM LIVE LOAD DEFLECTION FOR STAIR STRINGERS, PLATFORMS AND TREADS SHALL BE SPAN/360

B. STAIR SHALL COMPLY WITH NAAMM AMP 510, METAL STAIRS MANUAL - "RECOMMENDED VOLUNTARY MINIMUM STANDARDS FOR FIXED METALS

3. PRIOR TO FABRICATION THE MISC. METALS FABRICATOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR ALL MISCELLANEOUS METALS ASSEMBLIES (INCLUDING CONNECTIONS TO THE BASE STRUCTURE) FOR APPROVAL

COLD-FORM STEEL FRAMING

1. THE ENGINEERING OF ALL COLD-FORM STEEL FRAMING, INCLUDING THEIR CONNECTIONS AND BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO AISI'S "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS". REFER TO DESIGN CRITERIA. SPECIFICATION AND CONSTRUCTION DOCUMENTS FOR MINIMUM DESIGN LOADS. SUBMIT SIGNED AND SEALED STRUCTURAL CALCULATIONS, AND SHOP DRAWINGS BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND FOR APPROVAL PRIOR TO STARTING WORK.

2. MEMBER SIZES AND THICKNESS SHOWN ON DRAWINGS HAVE BEEN DETERMINED BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) TECHNICAL CATALOG ICBO ER-4943P. THIS INFORMATION IS FOR PRELIMINARY PRICING PURPOSES ONLY.

3. COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE FOLLOWING:

A. 33 MILS (20 GA): ASTM A653, MINIMUM YIELD STRESS OF 33 KSI

B. 43 MILS (18 GA): ASTM A653, MINIMUM YIELD STRESS OF 33 KSI

C. 54 MILLS (16 GA) & THICKER: ASTM A653, MINIMUM YIELD STRESS OF 50 KSI

D. TRACKS AND BRIDGING: ASTM A653, MINIMUM YIELD STRESS OF 33 KSI

E. DEFLECTION TRACKS: ASTM A653, MINIMUM YIELD STRESS OF 50 KSI

4. ALL STUDS, TRACKS, BRIDGING AND ACCESSORIES SHALL HAVE A GALVANIZED COATING OF G60 CONFORMING TO ASTM C955. MEMBERS THAT HAVE PROTECTIVE COATING REMOVED BY WELDING SHALL HAVE THE COATING REPAIRED WITH A ZINC RICH PRIMER.

5. SLIP CONNECTIONS SHALL ALLOW FOR A VERTICAL MOVEMENT OF 1 INCH OF THE BASE STRUCTURE. UNLESS NOTED OTHERWISE.

6. COLD-FORM FRAMING MEMBERS SERVING AS BRICK BACK-UP, SHALL BE DESIGNED ASSUMING A MAXIMUM ALLOWABLE DEFLECTION RATIO OF L/600. ALL OTHER FRAMING MEMBERS SERVING AS BACK-UP TO EXTERIOR FINISHES SHALL BE DESIGNED ASSUMING A MAXIMUM ALLOWABLE DEFLECTION RATIO OF L/360 UNLESS NOTED OTHERWISE.

7. THE BASE STRUCTURE HAS BEEN DESIGNED ASSUMING THE FOLLOWING PERMITTED COLD-FORM FRAMING ATTACHMENT METHODS:

A. UNLESS NOTED OTHERWISE, SELF-DRILLING SCREWS (TEK SCREWS) SHALL BE #10-16 HWH SCREWS MANUFACTURED BY HILTI USA., OR AN APPROVED EQUIVALENT. WHERE SCREW ATTACHMENTS ARE MADE TO FRAMING COMPONENTS OF DIFFERENT THICKNESSES, THE THINNEST COMPONENT MUST BE PENETRATED FIRST. MAINTAIN A MINIMUM 1/2 -INCH DISTANCE FROM EDGE OF COLD-FORM STEEL TO CENTERLINE OF SCREW AND A MINIMUM SPACING OF 1 INCH BETWEEN SCREWS.

B. CONNECTION OF TRACK TO CONCRETE SHALL BE MADE WITH POWDER ACTUATED FASTENERS (PAF) WITH A SHANK DIAMETER OF 0.145 INCH AND A PENETRATION AS SPECIFIED ON THE DRAWINGS (MINIMUM 1"), AS MANUFACTURED BY HILTI USA, OR AN APPROVED EQUIVALENT. FASTENERS SHALL BE SPACED NOT TO EXCEED SPACING OF STUDS. PROVIDE UNIFORM AND LEVEL BEARING SUPPORT FOR THE TRACK.

C. CONNECTION OF TRACK TO STEEL SHALL BE MADE WITH PAF FASTENERS WITH A SHANK DIAMETER OF 0.145 INCH, AS MANUFACTURED BY HILTI USA, OR AN APPROVED EQUIVALENT. FASTENERS SHALL BE SPACED NOT TO EXCEED SPACING OF STUDS.

D. CONNECTION OF TRACK TO GROUT FILLED CMU BLOCK SHALL BE MADE WITH HILTI X-DNI PAF ANCHORS WITH A SHANK DIAMETER OF 0.145 INCH, AS MANUFACTURED BY HILTI USA, OR AN APPROVED EQUIVALENT. FASTENERS SHALL HAVE A MINIMUM PENETRATION DEPTH OF 1" AND A MINIMUM EDGE DISTANCE OF 3".

E. WELDED CONNECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES WITH A MINIMUM E60XX ELECTRODE.

POST-INSTALLED ANCHORS

1. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC.

2. ANCHORAGE TO CONCRETE:

A. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE: I. HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z ROD PER ICC ESR-3187

II. HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH HAS-E THREADED ROD PER ICC ESR-3187

III. HILTI HIT-RE 500-V3 EPOXY ADHESIVE ANCHORING SYSTEM WITH HAS-E THREADED ROD PER ICC ESR-2322 FOR SLOW CURE APPLICATIONS

B. MEDIUM DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:

I. HILTI KWIK HUS-EZ AND KWIK HUS EZ-I SCREW ANCHORS PER ICC ESR-3027

II. HILTI KWIK BOLT-TZ EXPANSION ANCHORS PER ICC ESR-1917

III. HILTI KWIK BOLT 3 EXPANSION ANCHORS (UNCRACKED CONCRETE ONLY) PER ICC ESR-2302

C. HEAVY DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE: I. HILTI HDA UNDERCUT ANCHORS PER ICC ESR 1546

I. HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187

II. HILTI HIT-RE 500-V3 EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-2322

4. ANCHORAGE TO SOLID GROUTED MASONRY

A. ADHESIVE ANCHORS USE:

I. HILTI HIT-HY 70 MASONRY ADHESIVE ANCHORING SYSTEM (ICC PENDING)

II. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR

A. MECHANICAL ANCHORS USE:

I. HILTI KWIK HUS-EZ SCREW ANCHOR PER ICC ESR-3056

II. HILTI KWIK BOLT-3 EXPANSION ANCHORS PER ICC ESR-1385

5. ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY

A. ADHESIVE ANCHORS USE:

I. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM PER ICC ESR-4143

II. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR

III. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION

 ADHESIVE FOR REBAR AND ANCHORS IN CONCRETE SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES ACS08 FOR CRACKED CONCRETE DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE IN-STALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLED PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4

7. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR SUCH OTHER METHOD AS APPROVED BY THE STRUC-TURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUC-TIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.

8. INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PISTON PLUG INJECTIONS SYSTEM

10. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR AN-CHORING 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.

11. OWNER SHALL RETAIN THE SERVICES OF A QUALIFIED TESTING AGENCY TO PROVIDE TESTING OF ANCHORS IN POST-INSTALLED IN HARDENED CONCRETE

SUSTAINED TENSIONS LOADS PER ACI 318: 17.8.2.4. B. PERIODIC SPECIAL INSPECTION OF MECHANICAL ANCHORS AND ADHESIVE ANCHORS THAT DO NOT FALL UNDER THE ABOVE CONDITIONS PER 318:

A. CONTINUOUS SPECIAL INSPECTIONS OF ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS RESISTING

12. ANCHOR CAPACITY IS DEPENDENT 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.

13. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY HILTI FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS.

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO STARTING CONSTRUCTION. THE LIST OF REQUIRED SHOP DRAWING SUBMITTALS IS AS FOLLOWS:

A. UNDERPINNING, COMPLETE WITH SIGNED AND SEALED CALCULATIONS BY LICENSED ENGINEER B. CONCRETE MIX DESIGNS FOR EACH APPLICATION, SIGNED AND SEALED BY LICENSED ENGINEER

C. MORTAR MIX DESIGNS, SIGNED AND SEALED BY LICENSED ENGINEER

D. CONCRETE REINFORCEMENT STEEL E. MASONRY REINFORCEMENT STEEL

F. STRUCTURAL STEEL SHOP DRAWINGS

G. MISCELLANEOUS METALS H. STEEL DECK

STEEL JOISTS

J. STEEL STAIRS

K. COLD-FORM STEEL FRAMING, COMPLETE WITH SIGNED AND SEALED CALCULATIONS BY LICENSED ENGINEER 2. THE ENGINEER'S RESPONSIBILITIES RELATIVE TO SHOP DRAWING REVIEW ARE LIMITED TO REVIEW FOR DESIGN CONCEPT OF THE PROJECT AND INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS, SPECIFICALLY THE STRUCTURAL DRAWINGS AND THE STRUCTURAL PORTIONS OF THE PROJECT SPECIFICATIONS.

THE ENGINEER WILL NOT REVIEW FOR DIMENSIONS, QUANTITIES, ETC. 3. THE ENGINEER WILL NOT REVIEW SHOP DRAWINGS THAT ARE NOT EXPLICITLY LISTED ABOVE, OR ANY SUBMITTALS THAT ARE NOT RELATED TO THE MAIN

BUILDING STRUCTURE.

4. SHOP DRAWING REVIEW NOTATIONS ARE DEFINED AS FOLLOWS:

A. "NO EXCEPTION": INDICATES THAT FABRICATION, MANUFACTURE, OR CONSTRUCTION MAY PROCEED. B. "EXCEPTIONS AS NOTED": INDICATES THAT FABRICATION, MANUFACTURE, OR CONSTRUCTION MAY PROCEED PROVIDED THAT SUBMITTAL COMPLIES WITH ENGINEER'S NOTATIONS. IF, FOR ANY REASON, THE CONTRACTOR CANNOT COMPLY WITH THE ENGINEER'S NOTATIONS, THE SUBMITTAL SHALL BECOME "REJECTED" OR "DISAPPROVED" (REFER TO DEFINITION BELOW) AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY BOTH THE ARCHITECT AND ENGINEER.

C. "EXCEPTIONS AS NOTED RESUBMIT FILE COPY": INDICATES THAT FABRICATION, MANUFACTURE, OR CONSTRUCTION MAY PROCEED PROVIDED THAT SUBMITTAL COMPLIES WITH ENGINEER'S NOTATIONS. THE CONTRACTOR SHALL RETURN REVISED VERSIONS OF THE SUBMITTAL TO THE ARCHITECT AND ENGINEER FOR RECORD. IF, FOR ANY REASON, THE CONTRACTOR CANNOT COMPLY WITH THE ENGINEER'S NOTATIONS, THE SUBMITTAL SHALL BECOME "REJECTED" OR "DISAPPROVED" (REFER TO DEFINITION BELOW) AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY BOTH THE ARCHITECT AND ENGINEER.

D. "REJECTED": INDICATES THAT THE SUBMITTAL DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS AND THAT FABRICATION, MANUFACTURE, OR CONSTRUCTION SHALL NOT PROCEED. THE CONTRACTOR SHALL MAKE THE NECESSARY REVISIONS TO THE SUBMITTAL AND RESUBMIT IN A

TIMELY FASHION SO AS TO NOT DELAY THE CONSTRUCTION SCHEDULE. E. "REVIEWED FOR INFORMATION": INDICATES THAT THE SUBMITTAL HAS BEEN RECEIVED BY THE ENGINEER FOR FILE ONLY; NO ADDITIONAL ACTION WILL BE TAKEN BY THE ENGINEER.

F. "PRE-ENGINEERED SYSTEMS SUBMITTAL": INDICATES THAT THE SUBMITTAL HAS BEEN REVIEWED FOR GENERAL CONFORMITY WITH THE DESIGN INTENT AND GENERAL COMPLIANCE WITH THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. COMMENTS AND/OR NOTATIONS MADE ON THE SUBMITTAL BY THE ENGINEER OF RECORD ARE INTENDED TO NOTIFY THE CONTRACTOR AND/OR THE RESPONSIBLE DESIGNER OF CONFLICTS BETWEEN THE SUBMITTAL AND THE DESIGN INTENT OR THE CONSTRUCTION DOCUMENTS. THESE COMMENTS AND/OR NOTATIONS DO NOT RELIEVE THE CONTRACTOR AND THE DESIGN ENGINEER OF SOLE RESPONSIBILITY FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE CODES AND LAWS. SOLE RESPONSIBILITY FOR CORRECT DESIGN, DETAILS, AND DIMENSIONS SHALL REMAIN WITH THE CONTRACTOR AND THE DESIGN ENGINEER.

kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

20-092

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MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD

FOOD WORKS

CIVIL ENGINEER:

MEP ENGINEER:

LUUA DESIGN

BALTIMORE, MD

CONTACT: ANNE STAHL

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FOR PERMIT 11/30/2020

MARK DATE DESCRIPTION

STRUCTURAL NOTES

LIST OF ABBREVIATIONS IN STRUCTURAL DRAWINGS							
ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION		
ADJ	ADJACENT	F.O.B.	FACE OF BEAM	PT	POST TENSIONED		
ADD'L	ADDITIONAL	GALV	GALVANIZED	PT	PRESSURE TREATED		
AFF	ABOVE FINISHED FLOOR	GC	GENERAL CONTRACTOR	QTY	QUANTITY		
ALT	ALTERNATE	GT	GIRDER TRUSS	QLTY	QUALITY		
APPROX	APPROXIMATELY	GYP	GYPSUM	R	REMAINING		
ARCH	ARCHITECT	HDR	HEADER	RAD	RADIUS, RADII		
B, BOT	BOTTOM	НК	HOOK	R.E.	RIGHT END		
B.O.	BOTTOM OF	HORIZ	HORIZONTAL	REV	REVISE, REVISION		
BLK, BLKG	BLOCKING	HP	HIGH POINT	RD	ROOF DRAIN		
BLW, BLO	BELOW	HGT, HT	HEIGHT	REINF	REINFORCEMENT, REIN- FORCING		
BM	BEAM	I.D.	INSIDE DIAMETER	REQ, REQD	REQUIRED, REQUIREMEN		
B.P.	BASE PLATE, BEARING PLATE	I.F.	INSIDE FACE	SCH	SCHEDULE		
BRG	BEARING	INCL	INCLUDED	SECT	SECTION		
BRK	BREAK, BRICK	INFO	INFORMATION	SHT	SHEET		
CANT	CANITILEVER	INSUL	INSULATION	SOG	SLAB ON GRADE		
CG	CENTER OF GRAVITY	INT	INTERIOR	SIM	SIMILAR		
CL CL	CENTER LINE	JST	JOIST	SPA, SPCS	SPACE, SPACES		
CLR		JNT	JOINT	SPA, SPCS			
	CLEAR, CLEARANCE				SPECIFICATION(S)		
CMU	COLUMN	K	KIP (1,000 POUNDS)	SQ	SQUARE STAINLESS STEEL		
COMP	COMPOSITE	KSF	KIPS PER SQUARE FOOT	SS	STAINLESS STEEL		
COMP	COMPOSITE	KSI	KIPS PER SQUARE INCH	STD	STANDARD		
CONC	CONCRETE	LBS	POUNDS	STL	STEEL		
CONN	CONNECTION	L.E.	LEFT END	STR	STRUCTURE, STRUCTURA		
CONST	CONSTRUCTION	LF	LINEAR FEET	T	TOP		
CONT	CONTINUOUS	LLH	LONG LEG HORIZONTAL	T.O.	TOP OF		
C.O.	CENTER OF	LLV	LONG LEG VERTICAL	TEMP	TEMPORARY		
COORD	CORRDINATE	LL	LIVE LOAD	T&B	TOP AND BOTTOM		
D, DIAM	DIAMETER	LG	LIGHT GAGE	T&S	TEMPERATURE AND SHRINKAGE		
DBL	DOUBLE	LP	LOW POINT	THK	THICK, THICKNESS		
DET	DETAIL	LTWT	LIGHT WEIGHT	TYP	TYPICAL		
DIAG	DIAGONAL	LVL	LAMINATED VENEER LUMBER	UNO	UNLESS NOTED OTHER- WISE		
DIM	DIMENSION	MATL	MATERIAL	VIF	VERIFY IN FIELD		
DL	DEAD LOAD	MAX	MAXIMUM	VERT	VERTICAL		
DN	DOWN	MECH	MECHANICAL	W	WITH		
DWG	DRAWING	MFR	MANUFACTURER	WO	WITHOUT		
E.E.	EACH END	MIN	MINIMUM	WD	WOOD		
E.F.	EACH FACE	MISC	MISCELLANEOUS	WP	WORKING POINT		
E.J.	EXPANSION JOINT	MSY	MASONRY	WWF	WELDED WIRE FABRIC		
EL, ELEV	ELEVATION	M.O.	MASONRY OPENING	WWM	WELDED WIRE MESH		
ELEC	ELECTRICAL	MTL	METAL				
ENGR	ENGINEER	N.I.C.	NOT IN CONTRACT				
EQ, EQL	EQUAL	NS	NEAR SIDE				
EQUIP	EQUIPMENT	NTS	NOT TO SCALE				
EW	EACH WAY	OC	ON CENTER				
EXIST	EXISTING	OD	OUTSIDE DIAMETER				
EXP	EXPANSION	0.F.	OUTSIDE FACE				
EXT	EXTERIOR	OPP	OPPOSITE OPPOSITE				
EOS	EACH OF SLAB	OPNG	OPENING				
FD	FOUNDATION OR FLOOR DRAIN	PCF	POUNDS PER CUBIC FOOT				
 FF	FINISHED FLOOR	PERIM	PERIMETER				
F.L.	FULL LENGTH	PERP	PERPENDICULAR				
FIN FIN	FOUNDATION FINISH, FINISHED	PLF PLF	PLATE POUNDS PER LINERAR				
ELD.	FI 005	DIVAND	FOOT				
F.S.	FLOOR FAR SIDE	PLYWD PSF	PLYWOOD POUNDS PER SQUARE				
ı . U .	I AN SIDE	ا نا	FOOT				

POUNDS PER SQUARE INCH

PARALLEL STRAND LUMBER

PENTHOUSE

FOOTING

FOC

FACE OF WALL

FACE OF COLUMN

PSI

PSL

PH

_____ DI

PI.KL

pavlina ilieva

kuo pao lian

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project name:

MARYLAND FOOD BANK

project number: **20-092**

address.

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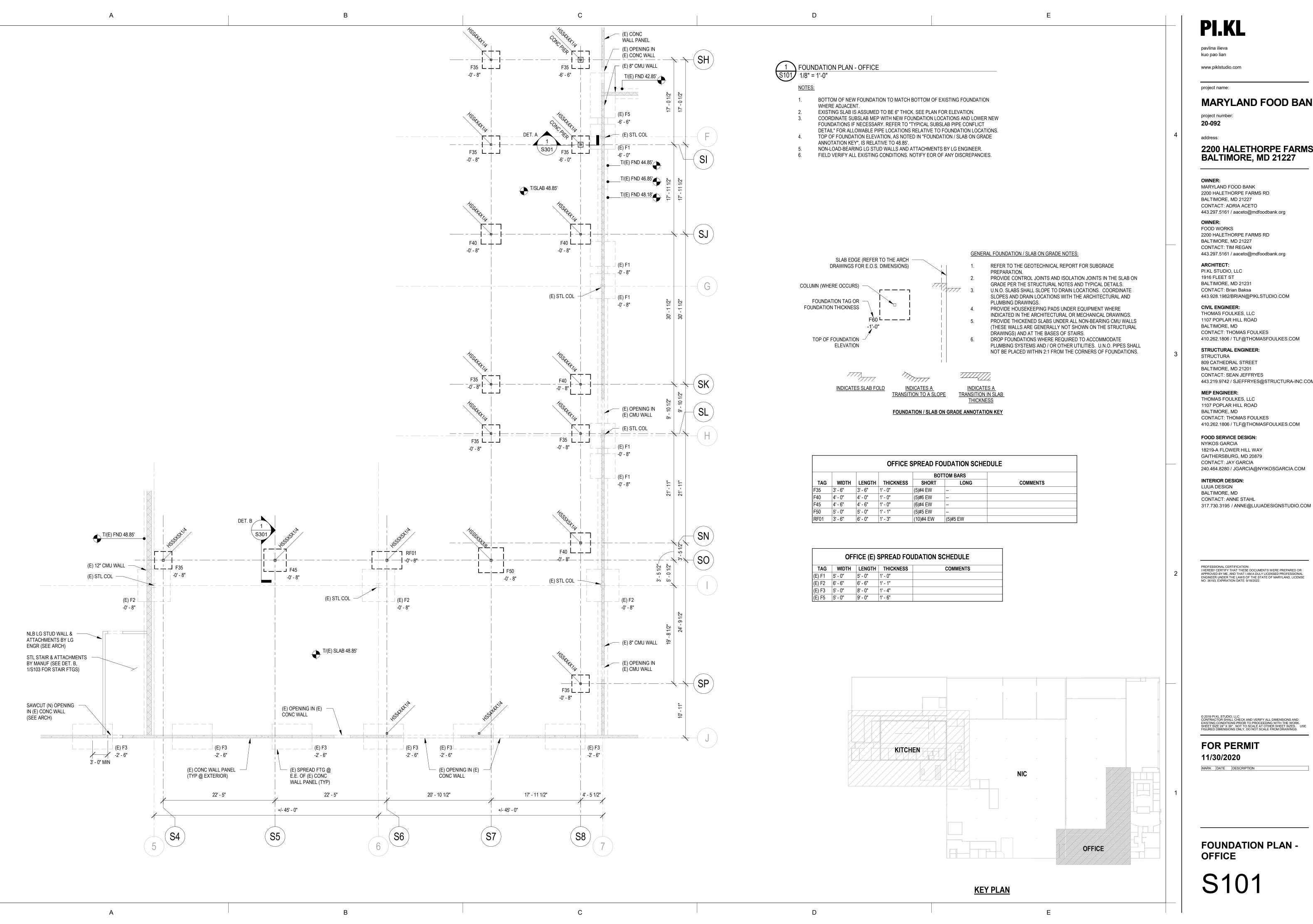
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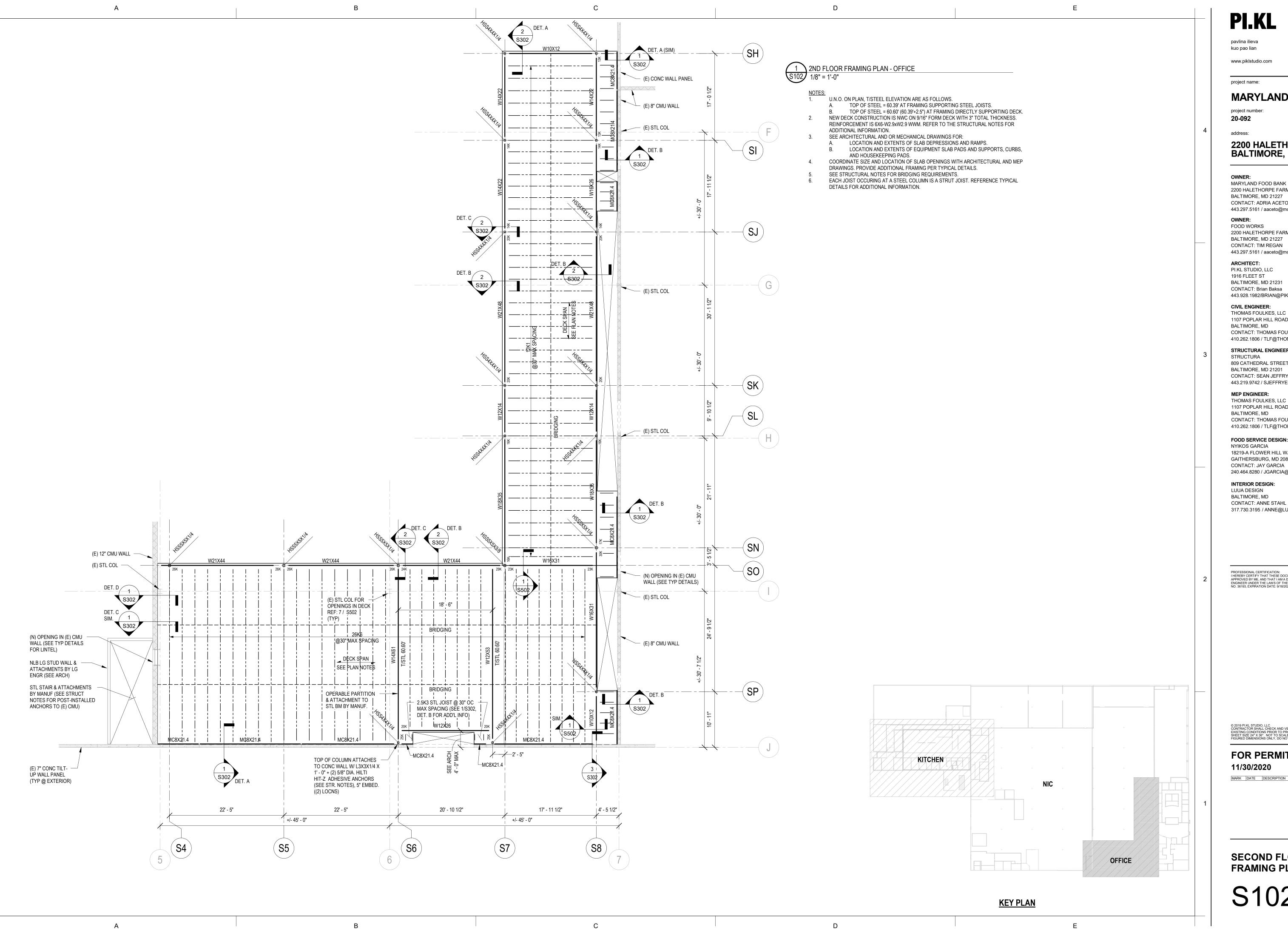
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FOUNDATION PLAN -OFFICE



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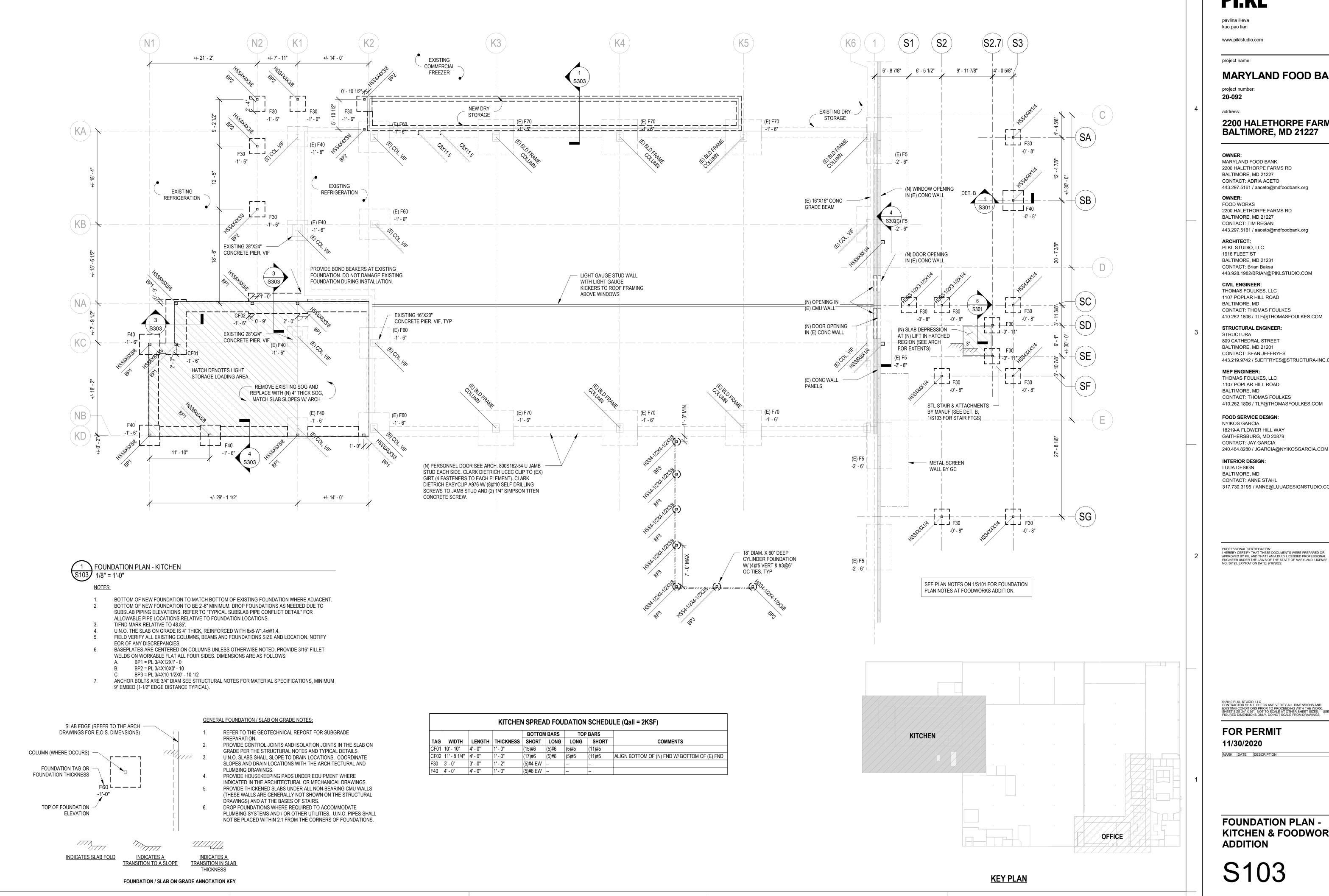
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SECOND FLOOR FRAMING PLAN - OFFICE



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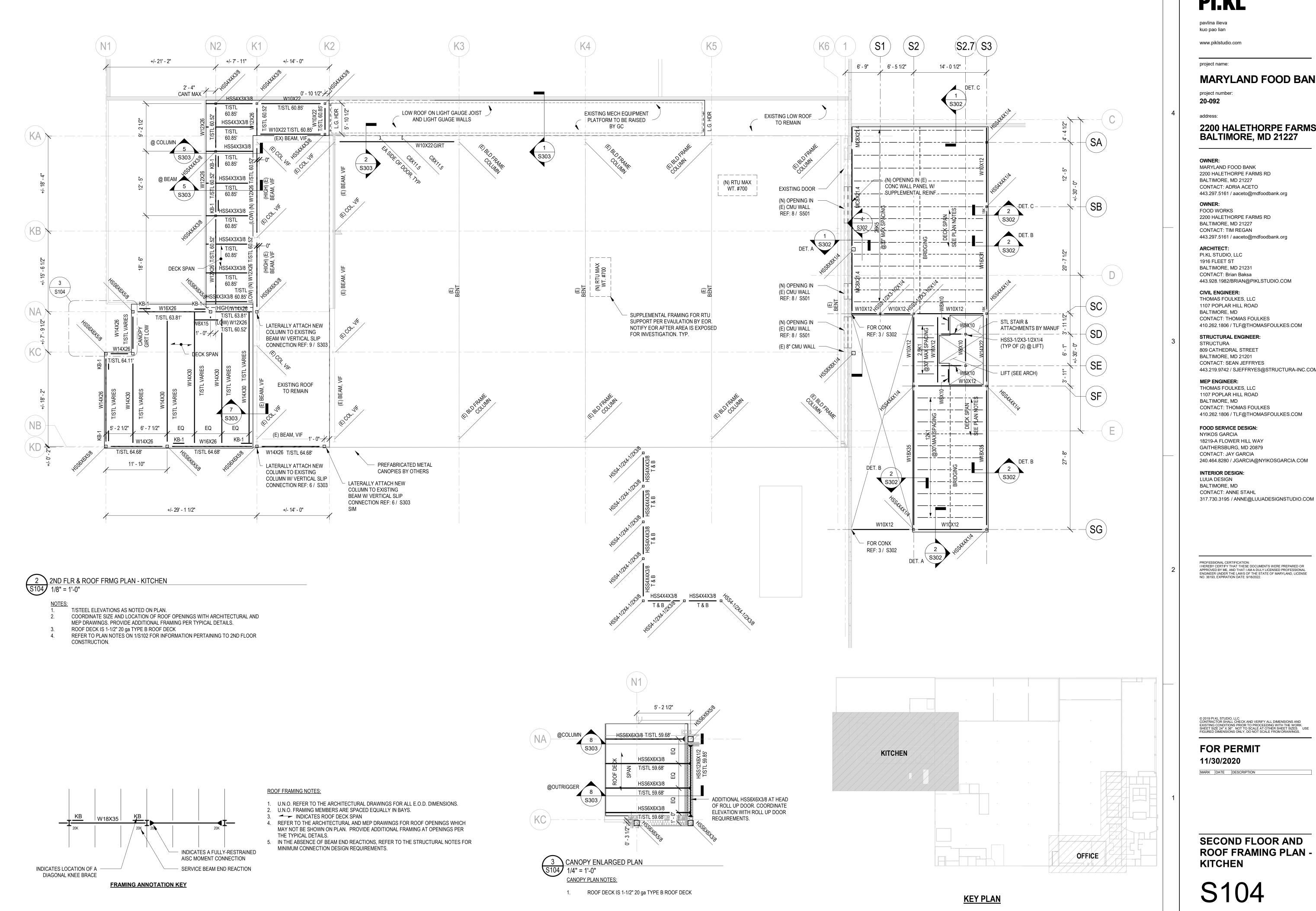
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FOUNDATION PLAN -KITCHEN & FOODWORKS



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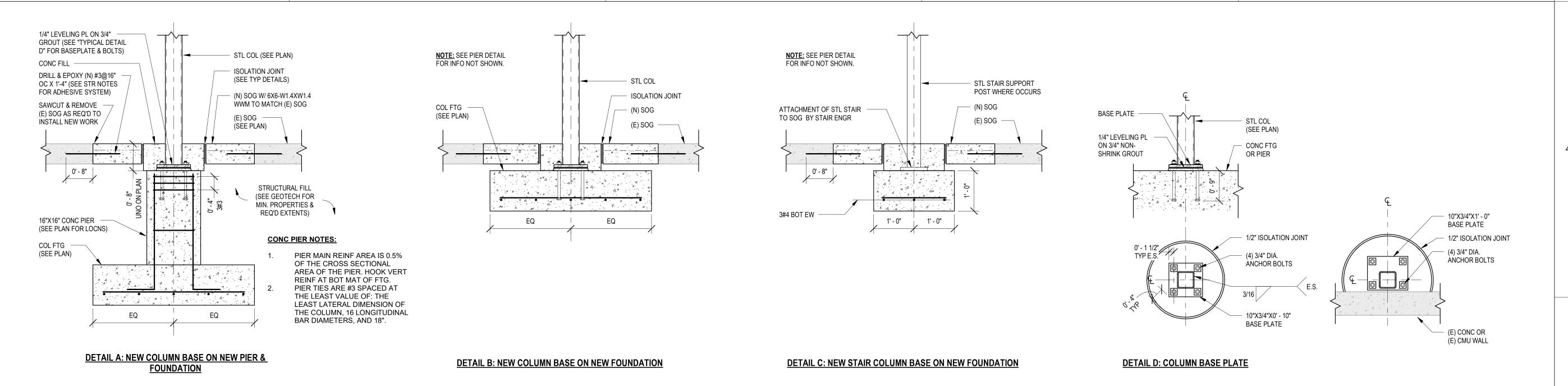
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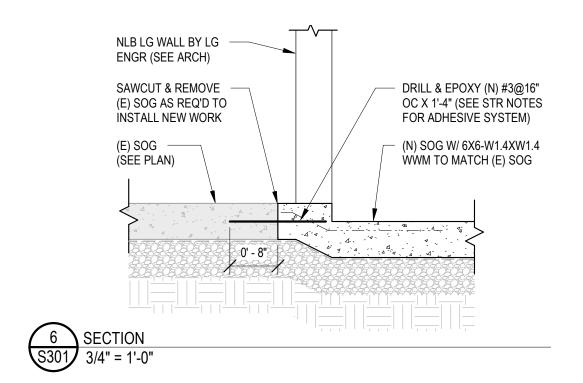
CONTACT: THOMAS FOULKES

240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

SECOND FLOOR AND **ROOF FRAMING PLAN -**



1 TYPICAL DETAILS AT NEW STEEL COLUMN BASE 3/4" = 1'-0"



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project name:

MARYLAND FOOD BANK

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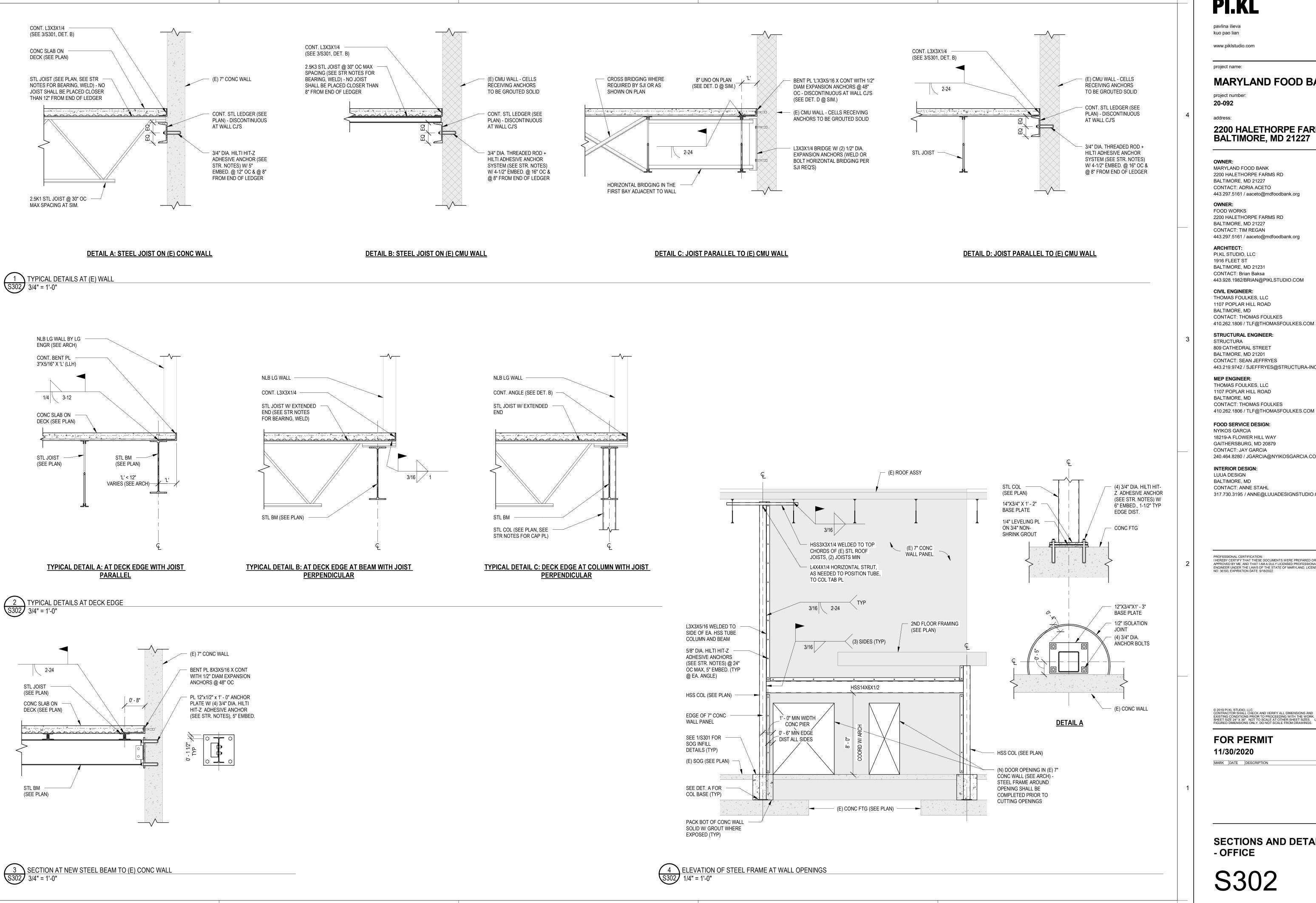
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SECTIONS AND DETAILS

S301

- OFFICE



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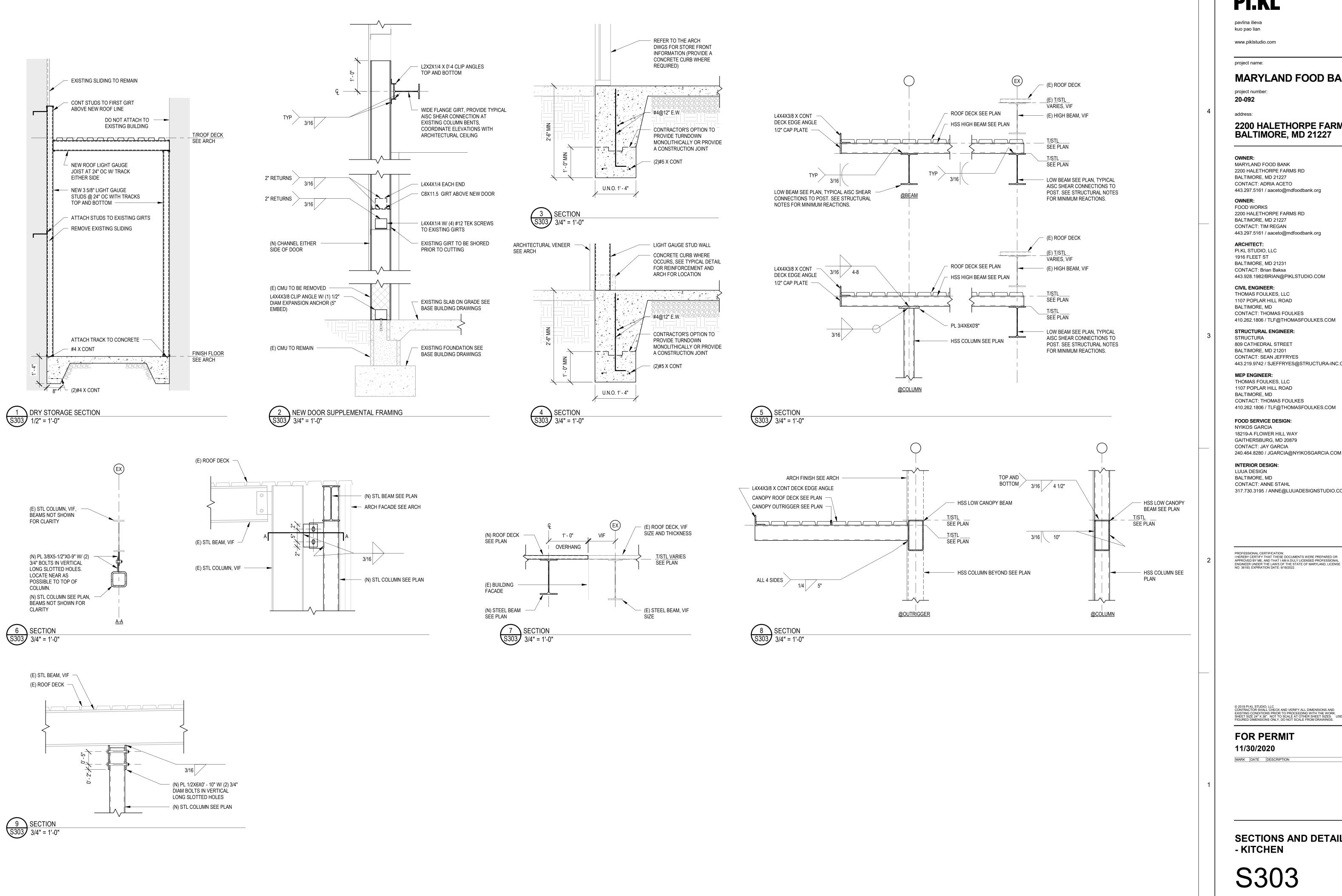
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11/30/2020 MARK DATE DESCRIPTION

SECTIONS AND DETAILS - OFFICE



D

D

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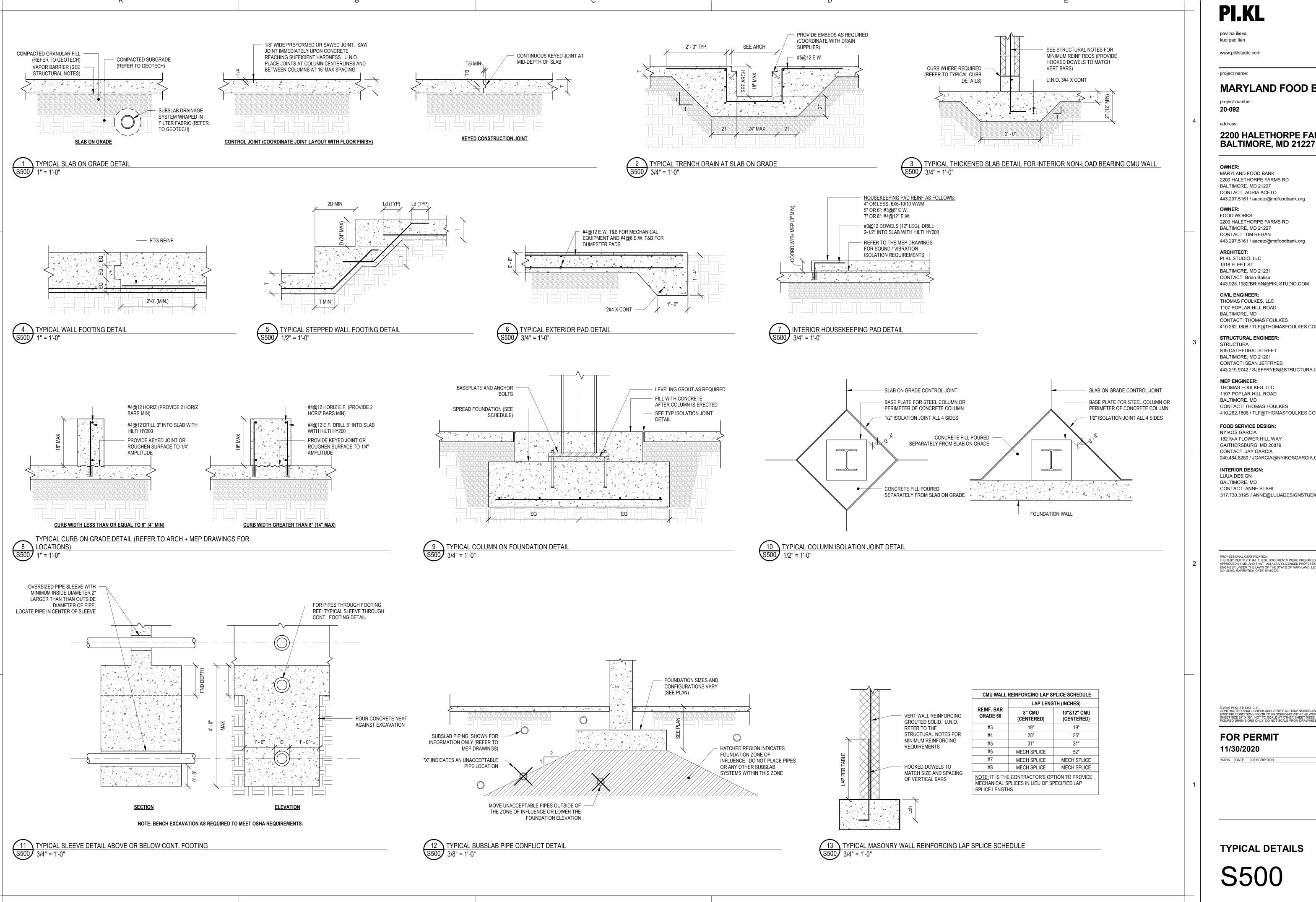
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SECTIONS AND DETAILS



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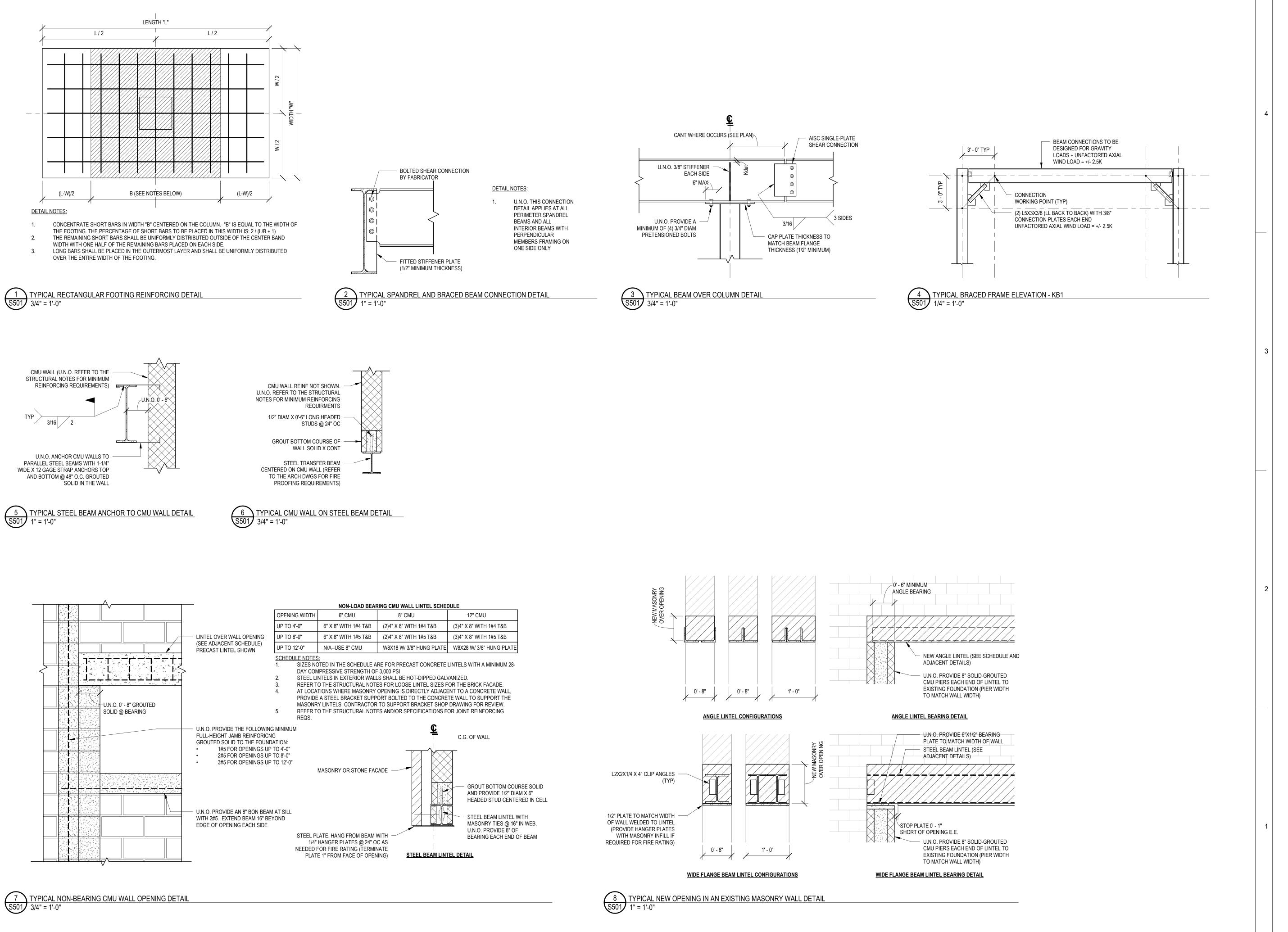
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TYPICAL DETAILS



D

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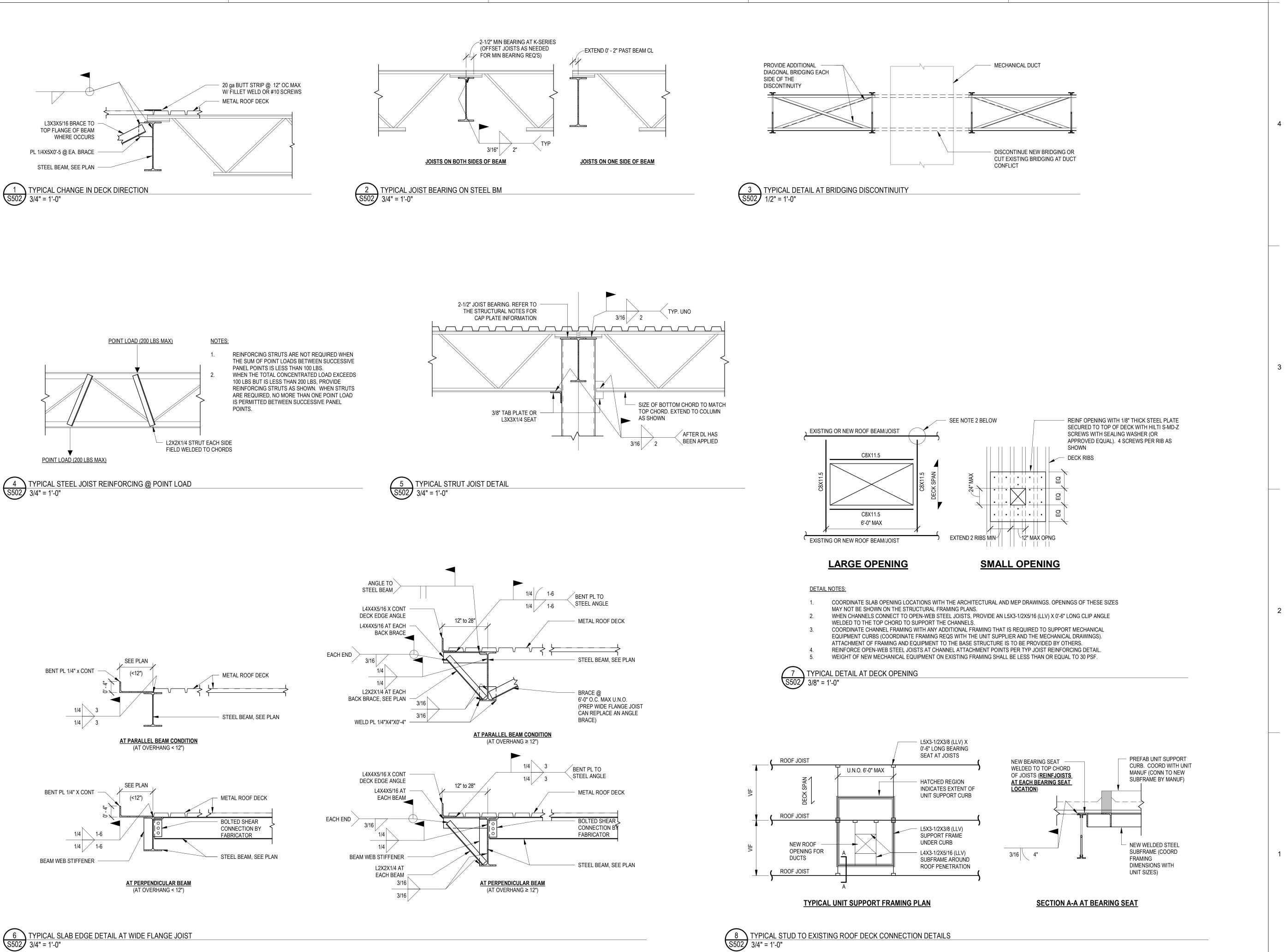
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FOR PERMIT 11/30/2020

MARK DATE DESCRIPTION

TYPICAL DETAILS



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project name:

MARYLAND FOOD BANK

project number:

20-092

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TYPICAL DETAILS

GENERAL MECHANICAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY CODE.
- 2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- 3. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED. 2.0 HVAC DUCTS
- 5. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK ETC., SHOWN ON OTHER CONTRACT DOCUMENTS.
- 6. PROVIDE GUARDS PER INTERNATIONAL MECHANICAL CODE SECTION 304 REQUIREMENTS FOR ALL EQUIPMENT LOCATED WITHIN 10 FEET OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE.
- MAINTAIN A MINIMUM 6'8" CLEARANCE TO THE UNDERSIDE OF PIPES. DUCTS. CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 8. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
- 9. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- 10. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED MECHANICAL EQUIPMENT. ACCESS PANELS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR INSTALLATION.
- 10. ALL OPENINGS IN FIRE RATED ASSEMBLIES DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED. PROVIDE UL CLASSIFIED PENETRATION SYSTEM ON ALL PVC PIPING PENETRATING FIRE RATED ASSEMBLIES.
- 11. ALL AIR CONDITIONING CONDENSATE DRAIN LINES FOR EACH UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET. WITH "P" TRAP. AND PIPED TO THE NEAREST STORM DRAIN WITH AN AIR GAP UNLESS OTHERWISE NOTED.
- 12. SYSTEMS SHALL BE TESTED AND BALANCED TO DELIVER AIR AND WATER QUANTITIES INDICATED ON THE DRAWINGS. WORK SHALL BE PERFORMED BY A FIRM 4.0 DUCT ACCESSORIES CERTIFIED BY THE NATIONAL ENVIRONMENTAL BALANCING BUREAU. CONTRACTOR SHALL PROVIDE ALL NECESSARY VOLUME DAMPERS TO ACHIEVE AIR QUANTITIES INDICATED ON THE DRAWINGS. AIR BALANCE SHALL BE PERFORMED PRIOR TO OCCUPANCY.
- 13. PROVIDE DIELECTRIC COUPLINGS AT ALL FERROUS TO NON-FERROUS PIPE CONNECTIONS AND FLANGE UNION ISOLATING JOINTS TO PREVENT ANY ELECTROLYTIC ACTION BETWEEN DISSIMILAR METAL.
- 14. FLOOR SLABS SHALL BE X-RAYED BEFORE ANY CORE DRILLING IS COMMENCED.
- 15. DISINFECTION OF POTABLE WATER SHALL BE PERFORMED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- 16. TEST WASTE AND WATER UNDER ACTUAL OPERATING CONDITIONS, REPAIR LEAKS AND RETURN TO SERVICE. TEST WASTE PIPING AT 15 FEET OF HEAD FOR 24 HOURS. TEST WATER PIPING AT 125 PSI FOR 2 HOURS. MAKE REPAIRS WITH NEW MATERIALS. REPLACE LEAKING MATERIALS. DO NOT REPAIR BY PATCHING.
- 17. PROVIDE DOMESTIC WATER BACK FLOW PREVENTERS AT ALL COFFEE MAKERS, ICE MAKERS, DISHWASHERS, WATER COOLERS AND ANY OTHER DEVICE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. BACK FLOW PREVENTERS SHALL BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 18. PROVIDE WATER HAMMER ARRESTORS IN SUPPLY PIPING SERVING WATER CLOSETS WITH A FLUSH VALVE, URINALS, DISHWASHERS, AND ICE MACHINES ACCORDING TO PDI AND MANUFACTURER'S INSTRUCTIONS.
- 19. CONTRACTOR SHALL VERIFY REFRIGERANT PIPING LENGTHS, SIZES, QUANTITIES, AND ACCESSORIES WITH MANUFACTURER PRIOR TO ORDERING AND INSTALLING EQUIPMENT. PROVIDE ALL REQUIRED REFRIGERANT ACCESSORIES RELATED TO PIPING LENGTH AND EQUIPMENT ELEVATION DIFFERENCE.

MECHANICAL SPECIFICATIONS

1.0 INSULATION

- CONCEALED INDOOR SUPPLY AND OUTDOOR AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH 1-1/2 INCH MINERAL-FIBER BLANKET INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. COMPLY WITH ASTM C 612. TYPE IA OR TYPE IB. PROVIDE INSULATION WITH FACTORY-APPLIED FSK JACKET.
- EXPOSED INDOOR SUPPLY AND OUTDOOR AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH 1 INCH DUCT LINER. DIMENSIONS ON PLANS ARE CLEAR INTERIOR DIMENSIONS.
- DUCTS AND PLENUMS LOCATED OUTDOORS SHALL BE INSULATED WITH 2 INCH MINERAL-FIBER BOARD INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. PROVIDE INSULATION WITH FACTORY-APPLIED FSK JACKET. ALSO PROVIDE FIELD INSTALLED SELF-STICK FOIL/POLYMER LAMINATE ZERO-PERM JACKET.

- A. SINGLE WALL RECTANGULAR METAL DUCTS GENERAL FABRICATION REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" BASED ON INDICATED STATIC-PRESSURE CLASS UNLESS OTHERWISE INDICATED. DUCTS SHALL BE A MINIMUM OF 26 GAGE.
- EXPOSED ROUND AND FLAT OVAL DUCTS SHALL BE OF SPIRAL CONSTRUCTION.
- GENERAL MATERIAL REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS — METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, MATERIAL THICKNESSES, AND DUCT CONSTRUCTION METHODS UNLESS OTHERWISE INDICATED. SHEET METAL MATERIALS SHALL BE FREE OF PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS, AND OTHER IMPERFECTIONS.
- GENERAL SEALANT AND GASKET REQUIREMENTS: SURFACE-BURNING CHARACTERISTICS FOR SEALANTS AND GASKETS SHALL BE A MAXIMUM FLAME-SPREAD INDEX OF 25 AND A MAXIMUM SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED ACCORDING TO UL 723; CERTIFIED BY AN NRTL.
 - 1. WATER-BASED JOINT AND SEAM SEALANT: APPLICATION METHOD: BRUSH ON.
 - SOLIDS CONTENT: MINIMUM 65 PERCENT.

 - SHORE A HARDNESS: MINIMUM 20.
 - WATER RESISTANT.
 - MOLD AND MILDEW RESISTANT
 - VOC: MAXIMUM 75 G/L (LESS WATER).
 - MAXIMUM STATIC-PRESSURE CLASS: 10-INCH WG (2500 PA) POSITIVE AND NEGATIVE.
 - SERVICE: INDOOR OR OUTDOOR.
 - 9) SUBSTRATE: COMPATIBLE WITH GALVANIZED SHEET STEEL (BOTH PVC COATED AND BARE), STAINLESS STEEL, OR ALUMINUM SHEETS.

3.0 GREASE DUCTS

CONSTRUCT ACCORDING TO SECTION 506 OF THE INTERNATIONAL

- A. TURNING VANES 1. MANUFACTURED TURNING VANES FOR METAL DUCTS: CURVED BLADES OF GALVANIZED SHEET STEEL; SUPPORT WITH BARS PERPENDICULAR TO BLADES SET: SET INTO VANE RUNNERS SUITABLE FOR DUCT MOUNTING.
 - VANE CONSTRUCTION: DOUBLE WALL.

B. FLEXIBLE CONNECTORS

- 1. METAL-EDGED CONNECTORS: FACTORY FABRICATED WITH A FABRIC STRIP 3-1/2 INCHES WIDE ATTACHED TO TWO STRIPS OF 2-3/4-INCH-WIDE, 0.028-INCH-THICK, GALVANIZED SHEET STEEL.
- 1) INDOOR SYSTEM, FLEXIBLE CONNECTOR FABRIC: GLASS FABRIC DOUBLE COATED WITH NEOPRENE.
- 2. MINIMUM WEIGHT: 26 OZ./SQ. YD.
- 3. TENSILE STRENGTH: 480 LBF/INCH IN THE WARP AND 360 LBF/INCH IN THE FILLING.
- 4. SERVICE TEMPERATURE: MINUS 40 TO PLUS 200 DEG F.

C. FLEXIBLE DUCTS

- 1. INSULATED-DUCT CONNECTORS: UL 181, CLASS 1, BLACK POLYMER FILM SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION: POLYETHYLENE VAPOR BARRIER FILM.
 - a. PRESSURE RATING: 4-INCH WG POSITIVE AND 0.5-INCH WG NEGATIVE.
- b. MAXIMUM AIR VELOCITY: 4000 FPM (20.3 M/S). c. TEMPERATURE RANGE: MINUS 20 TO PLUS 175 DEG F.
- 2. FLEXIBLE DUCT CLAMPS: NYLON STRAP, IN SIZES 3 THROUGH 18 INCHES TO SUIT DUCT SIZE.

- 1. TYPE: DYNAMIC; RATED AND LABELED ACCORDING TO UL 555 BY AN
- 2. FIRE RATING: 1-1/2 HOURS.
- FRAME: CURTAIN TYPE WITH BLADES OUTSIDE AIRSTREAM; FABRICATED WITH ROLL-FORMED, 0.034-INCH THICK GALVANIZED STEEL; WITH MITERED AND INTERLOCKING CORNERS.
- 4. HORIZONTAL DAMPERS: INCLUDE STAINLESS-STEEL CLOSURE SPRING.
- 5. HEAT-RESPONSIVE DEVICE: REPLACEABLE, 165 DEG F RATED, FUSIBLE

5.0 THERMOSTATS

- ALL THERMOSTATS SHALL INCLUDE THE FOLLOWING FEATURES:
- a. 5 DEGREE DEADBAND MINIMUM.
- b. SETPOINT OVERLAP RESTRICTIONS.
- SETBACK CONTROLS. d. SETBACK TO 55°F HEAT AND 85°F COOLING.
- e. 2 HOUR OCCUPANT OVERRIDE.
- 10 HOUR BACKUP. OPTIMUM START CONTROLS.
- HEAT PUMP CONTROLS SHALL PREVENT ELECTRIC HEAT FROM ENERGIZING WHEN NOT NEEDED.

6.0 VALVES

- BALL VALVES: FULL PORT. WATTS, CRANE, OR NIBCO.
- CHECK VALVES: WATTS, CRANE, OR NIBCO.
- COMBINATION BALANCE SHUT-OFF VALVES: TACO CIRCUIT SETTER OR EQUAL.
- GATE VALVES: WATTS, CRANE, OR NIBCO.

7.0 LABELS AND TAGS

VALVE TAGS a. INSTALL TAGS ON VALVES AND CONTROL DEVICES IN PIPING SYSTEMS, EXCEPT CHECK VALVES; VALVES WITHIN FACTORY-FABRICATED EQUIPMENT UNITS; SHUTOFF VALVES; FAUCETS; CONVENIENCE AND LAWN-WATERING HOSE CONNECTIONS; AND SIMILAR ROUGHING-IN CONNECTIONS OF END-USE FIXTURES AND UNITS. LIST TAGGED VALVES IN A VALVE SCHEDULE.

2. EQUIPMENT LABELS

- a. INSTALL OR PERMANENTLY FASTEN LABELS ON EACH MAJOR ITEM OF
- b. LOCATE EQUIPMENT LABELS WHERE ACCESSIBLE AND VISIBLE.

PIPE LABELS

- a. LOCATE PIPE LABELS WHERE PIPING IS EXPOSED OR ABOVE ACCESSIBLE CEILINGS IN FINISHED SPACES; MACHINE ROOMS; ACCESSIBLE MAINTENANCE SPACES SUCH AS SHAFTS, TUNNELS, AND PLENUMS; AND EXTERIOR EXPOSED LOCATIONS AS FOLLOWS:
 - NEAR EACH VALVE AND CONTROL DEVICE.
- NEAR EACH BRANCH CONNECTION, EXCLUDING SHORT TAKEOFFS FOR FIXTURES AND TERMINAL UNITS. WHERE FLOW PATTERN IS NOT OBVIOUS, MARK EACH PIPE AT BRANCH.
- NEAR PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND INACCESSIBLE ENCLOSURES.
- AT ACCESS DOORS, MANHOLES, AND SIMILAR ACCESS POINTS THAT
- PERMIT VIEW OF CONCEALED PIPING. NEAR MAJOR EQUIPMENT ITEMS AND OTHER POINTS OF ORIGINATION AND TERMINATION.
- SPACED AT MAXIMUM INTERVALS OF 50 FEET ALONG EACH RUN REDUCE INTERVALS TO 25 FEET IN AREAS OF CONGESTED PIPING AND EQUIPMENT.

80 EXISTING CONDITIONS

THE CONTRACTOR SHALL VISIT THE SITE, DETERMINE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK MUST BE DONE OR OTHER CIRCUMSTANCES WHICH WILL AFFECT THE WORK AND MAKE ALL NECESSARY ALLOWANCES BEFORE SUBMITTING HIS BID.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION		
(NAME)	NEW (DARK LINED)		
(NAME)	EXISTING (LIGHT LINED)		
	DUCT TO BE REMOVED		
	POTABLE COLD WATER (CW)		
	POTABLE HOT WATER (HW)		
	HOT WATER RECIRCULATING (HWR)		
	SANITARY (SAN)		
——кw ——	KITCHEN/GREASE WASTE (KW)		
st	STORM DRAIN (ST)		
	VENT (V)		
⅃¦∟ VTR	VENT THRU ROOF		
cD	CONDENSATE DRAIN (CD)		
	NATURAL GAS (G)		
	PIPE TURNING UP		
	PIPE TURNING DOWN		
CO CO	CLEAN OUT		
──	SHUT-OFF VALVE		
Ø FD	FLOOR DRAIN		
©	TEMPERATURE SENSOR OR THERMOSTAT		
- \\\\\\\\	FLEXIBLE DUCT		
<u> </u>	SUPPLY AIR DUCT TURNING UP		
<u> </u>	SUPPLY AIR DUCT TURNING DOWN		
<u> </u>	RETURN OR EXHAUST AIR DUCT TURNING UP		
	RETURN OR EXHAUST AIR DUCT TURNING DOWN		
	SQUARE THROAT ELBOW WITH DOUBLE-THICKNESS VANES		
No	DRAWING NOTE NUMBER		
No	SCHEDULE NO. OF AIR DISTRIBUTION DEVICE		

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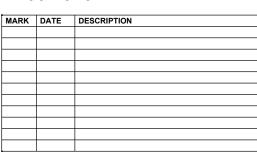
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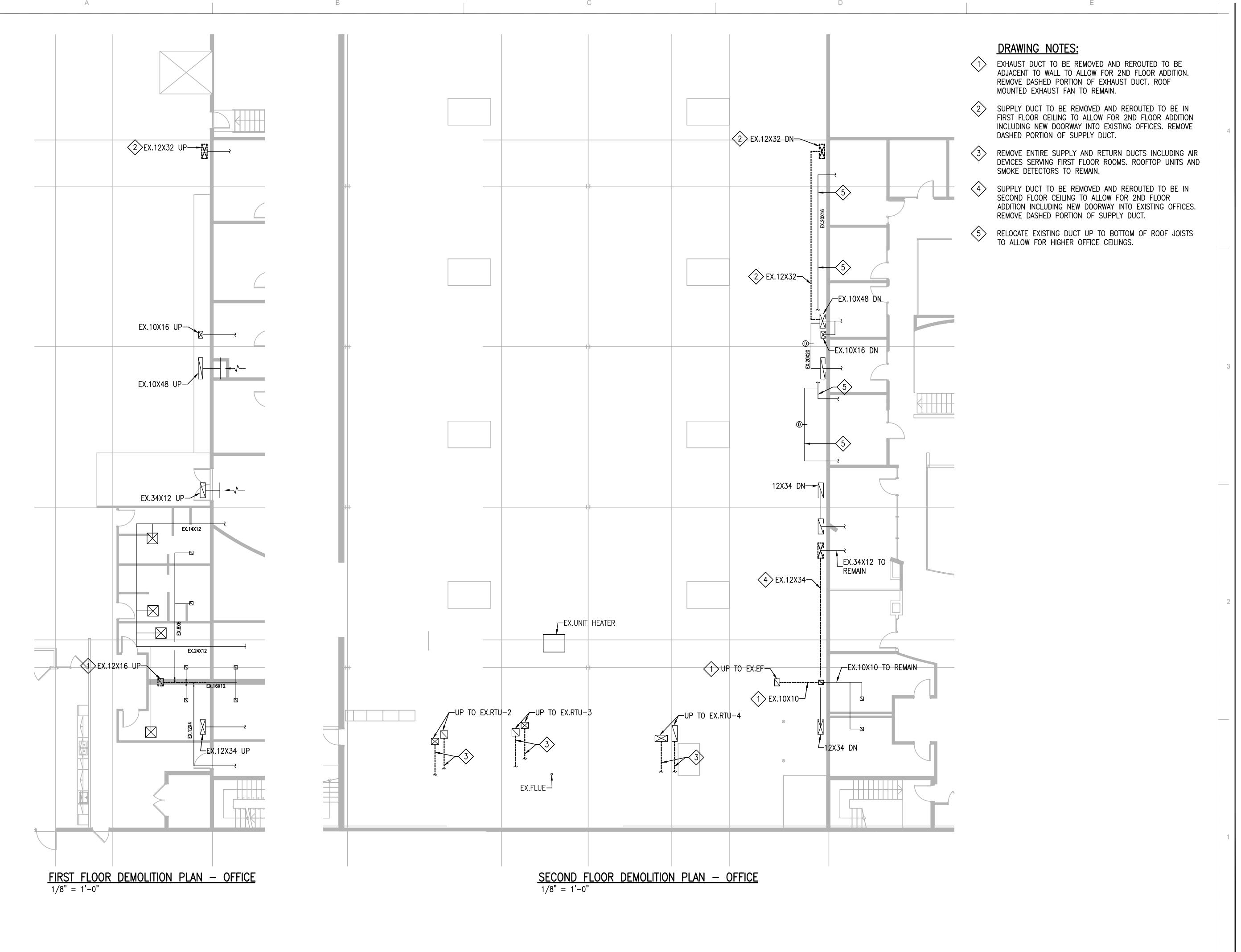
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LEGEND AND NOTES



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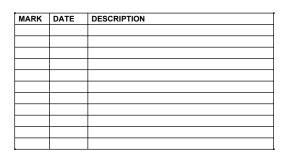
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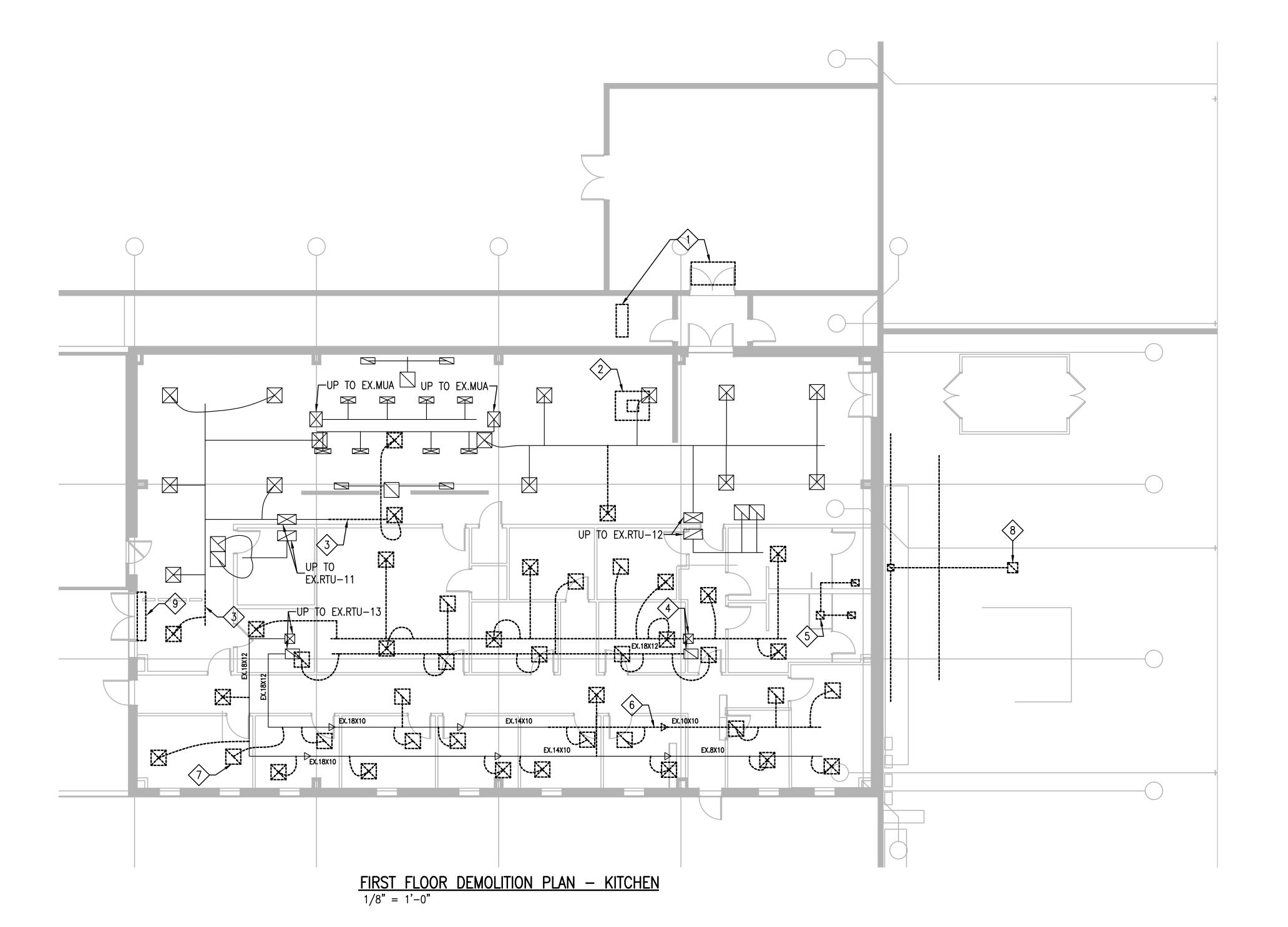
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11/30/2020



OFFICE AREA HVAC DEMOLITION

MD101



DRAWING NOTES:

- REMOVE EXISTING MINI—SPLIT HEAT PUMP INCLUDING OUTDOOR UNIT, REFRIGERANT PIPING, CONDENSATE DRAIN, AND THERMOSTAT.
- REMOVE EXISTING TYPE 2 DISHWASHER HOOD INCLUDING EXHAUST DUCT AND EXHAUST FAN. CAP AND INSULATE ROOF CURB.
- REMOVE EXISTING BRANCH DUCT INCLUDING SUPPLY AIR DEVICES. BLANK OFF AND INSULATE MAIN DUCT.
- REMOVE EXISTING SUPPLY AND RETURN DUCTS INCLUDING AIR DEVICES UP TO RTU-14. RTU TO REMAIN.
- REMOVE EXISTING RESTROOM EXHAUST DUCTWORK. EXHAUST FAN TO REMAIN.
- REMOVE EXISTING MAIN RETURN DUCT INCLUDING BRANCH AIR DEVICES WHERE SHOWN DASHED. BLANK OFF MAIN EXISTING TO REMAIN DUCT TO BE REUSED.
- REMOVE EXISTING BRANCH DUCT AND AIR DEVICE, TYPICAL.
 BLANK OFF AND INSULATE MAIN DUCT UNLESS TAP IS
 REUSED FOR NEW BRANCH.
- REMOVE EXISTING BATTERY FUME EXHAUST DUCT SYSTEM INCLUDING SUPPORTS, EXHAUST FAN, AND CONTROLS. PROVIDE CAP FOR ROOF CURB.
- 9 REMOVE AIR CURTAIN.

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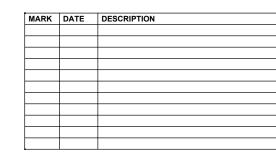
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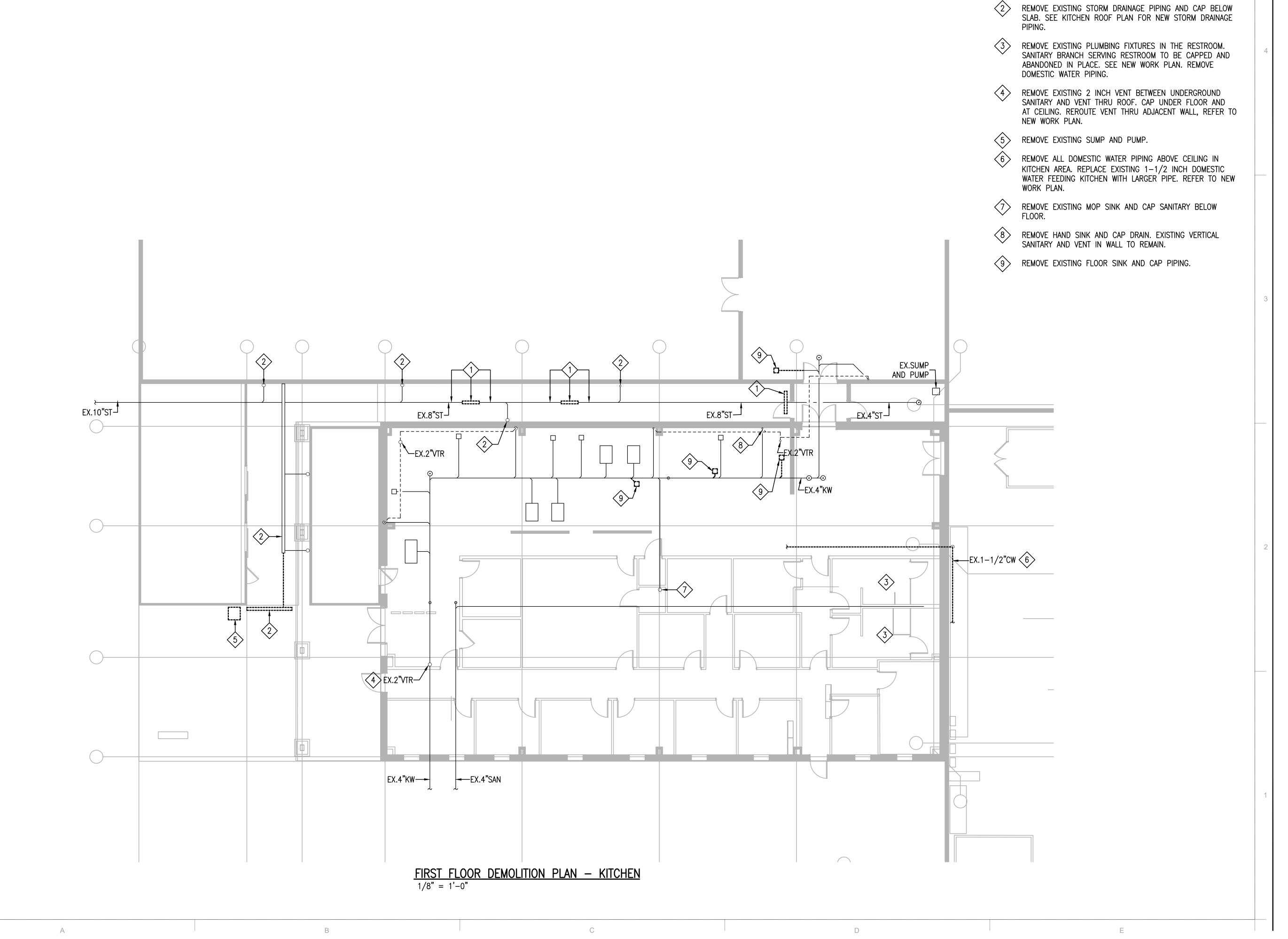
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11/30/2020



KITCHEN AREA HVAC DEMOLITION

MD102



pavlina ilieva kuo pao lian

DRAWING NOTES:

REMOVE EXISTING TRENCH DRAIN INCLUDING POOL DRAIN AND CAP UNDERGROUND STORM DRAINAGE PIPE AT MAIN.

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

address:

2200 HALETHORPE FARMS, RD

OWNER:
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INTERIOR DESIGN:

LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL

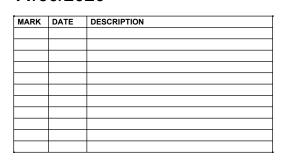
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FOR PERMIT

11/30/2020



KITCHEN AREA PLUMBING DEMOLITION

MD103

GENERAL MECHANICAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY CODE.
- 2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- 3. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- 4. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED. 2.0 HVAC DUCTS
- 5. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK ETC., SHOWN ON OTHER CONTRACT DOCUMENTS.
- 6. PROVIDE GUARDS PER INTERNATIONAL MECHANICAL CODE SECTION 304 REQUIREMENTS FOR ALL EQUIPMENT LOCATED WITHIN 10 FEET OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE.
- MAINTAIN A MINIMUM 6'8" CLEARANCE TO THE UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 8. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
- 9. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- 10. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED MECHANICAL EQUIPMENT. ACCESS PANELS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR INSTALLATION.
- 10. ALL OPENINGS IN FIRE RATED ASSEMBLIES DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED. PROVIDE UL CLASSIFIED PENETRATION SYSTEM ON ALL PVC PIPING PENETRATING FIRE RATED ASSEMBLIES.
- 11. ALL AIR CONDITIONING CONDENSATE DRAIN LINES FOR EACH UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET. WITH "P" TRAP. AND PIPED TO THE NEAREST STORM DRAIN WITH AN AIR GAP UNLESS OTHERWISE NOTED.
- 12. SYSTEMS SHALL BE TESTED AND BALANCED TO DELIVER AIR AND WATER QUANTITIES INDICATED ON THE DRAWINGS. WORK SHALL BE PERFORMED BY A FIRM 4.0 DUCT ACCESSORIES CERTIFIED BY THE NATIONAL ENVIRONMENTAL BALANCING BUREAU. CONTRACTOR SHALL PROVIDE ALL NECESSARY VOLUME DAMPERS TO ACHIEVE AIR QUANTITIES INDICATED ON THE DRAWINGS. AIR BALANCE SHALL BE PERFORMED PRIOR TO OCCUPANCY.
- 13. PROVIDE DIELECTRIC COUPLINGS AT ALL FERROUS TO NON-FERROUS PIPE CONNECTIONS AND FLANGE UNION ISOLATING JOINTS TO PREVENT ANY ELECTROLYTIC ACTION BETWEEN DISSIMILAR METAL.
- 14. FLOOR SLABS SHALL BE X-RAYED BEFORE ANY CORE DRILLING IS COMMENCED.
- 15. DISINFECTION OF POTABLE WATER SHALL BE PERFORMED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- 16. TEST WASTE AND WATER UNDER ACTUAL OPERATING CONDITIONS. REPAIR LEAKS AND RETURN TO SERVICE. TEST WASTE PIPING AT 15 FEET OF HEAD FOR 24 HOURS. TEST WATER PIPING AT 125 PSI FOR 2 HOURS. MAKE REPAIRS WITH NEW MATERIALS. REPLACE LEAKING MATERIALS. DO NOT REPAIR BY PATCHING.
- 17. PROVIDE DOMESTIC WATER BACK FLOW PREVENTERS AT ALL COFFEE MAKERS, ICE MAKERS. DISHWASHERS. WATER COOLERS AND ANY OTHER DEVICE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. BACK FLOW PREVENTERS SHALL BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 18. PROVIDE WATER HAMMER ARRESTORS IN SUPPLY PIPING SERVING WATER CLOSETS WITH A FLUSH VALVE, URINALS, DISHWASHERS, AND ICE MACHINES ACCORDING TO PDI AND MANUFACTURER'S INSTRUCTIONS.
- 19. CONTRACTOR SHALL VERIFY REFRIGERANT PIPING LENGTHS, SIZES, QUANTITIES, AND ACCESSORIES WITH MANUFACTURER PRIOR TO ORDERING AND INSTALLING EQUIPMENT. PROVIDE ALL REQUIRED REFRIGERANT ACCESSORIES RELATED TO PIPING LENGTH AND EQUIPMENT ELEVATION DIFFERENCE.

MECHANICAL SPECIFICATIONS

1.0 INSULATION

- CONCEALED INDOOR SUPPLY AND OUTDOOR AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH 1-1/2 INCH MINERAL-FIBER BLANKET INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. COMPLY WITH ASTM C 612. TYPE IA OR TYPE IB. PROVIDE INSULATION WITH FACTORY-APPLIED FSK JACKET.
- EXPOSED INDOOR SUPPLY AND OUTDOOR AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH 1 INCH DUCT LINER. DIMENSIONS ON PLANS ARE CLEAR INTERIOR DIMENSIONS.
- DUCTS AND PLENUMS LOCATED OUTDOORS SHALL BE INSULATED WITH 2 INCH MINERAL-FIBER BOARD INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. PROVIDE INSULATION WITH FACTORY-APPLIED FSK JACKET. ALSO PROVIDE FIELD INSTALLED SELF-STICK FOIL/POLYMER LAMINATE ZERO-PERM JACKET.

- A. SINGLE WALL RECTANGULAR METAL DUCTS GENERAL FABRICATION REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" BASED ON INDICATED STATIC-PRESSURE CLASS UNLESS OTHERWISE INDICATED. DUCTS SHALL BE A MINIMUM OF 26 GAGE.
- EXPOSED ROUND AND FLAT OVAL DUCTS SHALL BE OF SPIRAL CONSTRUCTION.
- GENERAL MATERIAL REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS — METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, MATERIAL THICKNESSES, AND DUCT CONSTRUCTION METHODS UNLESS OTHERWISE INDICATED. SHEET METAL MATERIALS SHALL BE FREE OF PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS, AND OTHER IMPERFECTIONS.
- GENERAL SEALANT AND GASKET REQUIREMENTS: SURFACE-BURNING CHARACTERISTICS FOR SEALANTS AND GASKETS SHALL BE A MAXIMUM FLAME-SPREAD INDEX OF 25 AND A MAXIMUM SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED ACCORDING TO UL 723; CERTIFIED BY AN NRTL.
 - 1. WATER-BASED JOINT AND SEAM SEALANT: APPLICATION METHOD: BRUSH ON.
 - SOLIDS CONTENT: MINIMUM 65 PERCENT.
 - SHORE A HARDNESS: MINIMUM 20.
 - WATER RESISTANT.
 - MOLD AND MILDEW RESISTANT
 - VOC: MAXIMUM 75 G/L (LESS WATER).
 - MAXIMUM STATIC-PRESSURE CLASS: 10-INCH WG (2500 PA), POSITIVE AND NEGATIVE.
 - SERVICE: INDOOR OR OUTDOOR.
 - 9) SUBSTRATE: COMPATIBLE WITH GALVANIZED SHEET STEEL (BOTH PVC COATED AND BARE), STAINLESS STEEL, OR ALUMINUM SHEETS.

3.0 GREASE DUCTS

CONSTRUCT ACCORDING TO SECTION 506 OF THE INTERNATIONAL

- A. TURNING VANES 1. MANUFACTURED TURNING VANES FOR METAL DUCTS: CURVED BLADES OF GALVANIZED SHEET STEEL; SUPPORT WITH BARS PERPENDICULAR TO BLADES SET: SET INTO VANE RUNNERS SUITABLE FOR DUCT MOUNTING.
 - VANE CONSTRUCTION: DOUBLE WALL.

B. FLEXIBLE CONNECTORS

- 1. METAL-EDGED CONNECTORS: FACTORY FABRICATED WITH A FABRIC STRIP 3-1/2 INCHES WIDE ATTACHED TO TWO STRIPS OF 2-3/4-INCH-WIDE, 0.028-INCH-THICK, GALVANIZED SHEET STEEL.
- 1) INDOOR SYSTEM, FLEXIBLE CONNECTOR FABRIC: GLASS FABRIC DOUBLE COATED WITH NEOPRENE.
- 2. MINIMUM WEIGHT: 26 OZ./SQ. YD.
- 3. TENSILE STRENGTH: 480 LBF/INCH IN THE WARP AND 360 LBF/INCH
- IN THE FILLING.
- 4. SERVICE TEMPERATURE: MINUS 40 TO PLUS 200 DEG F.

C. FLEXIBLE DUCTS

- 1. INSULATED-DUCT CONNECTORS: UL 181, CLASS 1, BLACK POLYMER FILM SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION: POLYETHYLENE VAPOR BARRIER FILM.
- a. PRESSURE RATING: 4-INCH WG POSITIVE AND 0.5-INCH WG NEGATIVE.
- b. MAXIMUM AIR VELOCITY: 4000 FPM (20.3 M/S).
- c. TEMPERATURE RANGE: MINUS 20 TO PLUS 175 DEG F. 2. FLEXIBLE DUCT CLAMPS: NYLON STRAP, IN SIZES 3 THROUGH 18 INCHES TO SUIT DUCT SIZE.

D. FIRE DAMPERS

- 1. TYPE: DYNAMIC; RATED AND LABELED ACCORDING TO UL 555 BY AN NRTL.
- 2. FIRE RATING: 1-1/2 HOURS.
- FRAME: CURTAIN TYPE WITH BLADES OUTSIDE AIRSTREAM; FABRICATED WITH ROLL-FORMED, 0.034-INCH THICK GALVANIZED STEEL; WITH MITERED AND INTERLOCKING CORNERS.
- 4. HORIZONTAL DAMPERS: INCLUDE STAINLESS-STEEL CLOSURE SPRING.
- 5. HEAT-RESPONSIVE DEVICE: REPLACEABLE, 165 DEG F RATED, FUSIBLE

5.0 THERMOSTATS

- ALL THERMOSTATS SHALL INCLUDE THE FOLLOWING FEATURES:
- a. 5 DEGREE DEADBAND MINIMUM.
- b. SETPOINT OVERLAP RESTRICTIONS.
- SETBACK CONTROLS.
- d. SETBACK TO 55°F HEAT AND 85°F COOLING.
- e. 2 HOUR OCCUPANT OVERRIDE. 10 HOUR BACKUP.
- OPTIMUM START CONTROLS.
- HEAT PUMP CONTROLS SHALL PREVENT ELECTRIC HEAT FROM ENERGIZING

6.0 VALVES

- BALL VALVES: FULL PORT. WATTS, CRANE, OR NIBCO.
- CHECK VALVES: WATTS, CRANE, OR NIBCO.
- COMBINATION BALANCE SHUT-OFF VALVES: TACO CIRCUIT SETTER OR EQUAL.
- GATE VALVES: WATTS, CRANE, OR NIBCO.

7.0 LABELS AND TAGS

VALVE TAGS a. INSTALL TAGS ON VALVES AND CONTROL DEVICES IN PIPING SYSTEMS. EXCEPT CHECK VALVES; VALVES WITHIN FACTORY-FABRICATED EQUIPMENT UNITS; SHUTOFF VALVES; FAUCETS; CONVENIENCE AND LAWN-WATERING HOSE CONNECTIONS; AND SIMILAR ROUGHING-IN CONNECTIONS OF END-USE FIXTURES AND UNITS. LIST TAGGED VALVES IN A VALVE

SCHEDULE. 2. EQUIPMENT LABELS

- a. INSTALL OR PERMANENTLY FASTEN LABELS ON EACH MAJOR ITEM OF
- LOCATE EQUIPMENT LABELS WHERE ACCESSIBLE AND VISIBLE.

3. PIPE LABELS

- a. LOCATE PIPE LABELS WHERE PIPING IS EXPOSED OR ABOVE ACCESSIBLE CEILINGS IN FINISHED SPACES; MACHINE ROOMS; ACCESSIBLE MAINTENANCE SPACES SUCH AS SHAFTS, TUNNELS, AND PLENUMS; AND EXTERIOR EXPOSED LOCATIONS AS FOLLOWS:
 - NEAR EACH VALVE AND CONTROL DEVICE.
- NEAR EACH BRANCH CONNECTION, EXCLUDING SHORT TAKEOFFS FOR FIXTURES AND TERMINAL UNITS. WHERE FLOW PATTERN IS NOT OBVIOUS, MARK EACH PIPE AT BRANCH.
- NEAR PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND INACCESSIBLE ENCLOSURES.
- AT ACCESS DOORS, MANHOLES, AND SIMILAR ACCESS POINTS THAT
- PERMIT VIEW OF CONCEALED PIPING. NEAR MAJOR EQUIPMENT ITEMS AND OTHER POINTS OF ORIGINATION
- AND TERMINATION. SPACED AT MAXIMUM INTERVALS OF 50 FEET ALONG EACH RUN. REDUCE INTERVALS TO 25 FEET IN AREAS OF CONGESTED PIPING AND EQUIPMENT.

80 EXISTING CONDITIONS

THE CONTRACTOR SHALL VISIT THE SITE, DETERMINE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK MUST BE DONE OR OTHER CIRCUMSTANCES WHICH WILL AFFECT THE WORK AND MAKE ALL NECESSARY ALLOWANCES BEFORE SUBMITTING HIS BID.

MECHANICAL LEGEND **DESCRIPTION** SYMBOL NEW (DARK LINED) ———(NAME)——— EXISTING (LIGHT LINED) ———(NAME)——— DUCT TO BE REMOVED POTABLE COLD WATER (CW) POTABLE HOT WATER (HW) HOT WATER RECIRCULATING (HWR) SANITARY (SAN) KITCHEN/GREASE WASTE (KW) ——кw —— STORM DRAIN (ST) VENT (V) -----VENT THRU ROOF _¦∟ VTR CONDENSATE DRAIN (CD) _____CD____ NATURAL GAS (G) PIPE TURNING UP PIPE TURNING DOWN CLEAN OUT CO SHUT-OFF VALVE FD FLOOR DRAIN ① TEMPERATURE SENSOR OR THERMOSTAT FLEXIBLE DUCT

SUPPLY AIR DUCT TURNING UP

SUPPLY AIR DUCT TURNING DOWN

RETURN OR EXHAUST AIR

RETURN OR EXHAUST AIR

SQUARE THROAT ELBOW WITH

SCHEDULE NO. OF AIR DISTRIBUTION

DOUBLE-THICKNESS VANES

DRAWING NOTE NUMBER

 $\langle N_0 \rangle$

DUCT TURNING DOWN

DUCT TURNING UP

PI.KL

kuo pao lian

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project name:

MARYLAND FOOD BANK

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2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

MARYLAND FOOD BANK

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FOR PERMIT 11/30/2020 MARK DATE DESCRIPTION

LEGEND AND NOTES



- EXHAUST DUCT TO BE REROUTED TO BE ADJACENT TO WALL TO ALLOW FOR 2ND FLOOR ADDITION. CONNECT TO EXISING BRANCH DUCTS. BALANCE AIRFLOWS TO VOLUMES SHOWN. ROOF MOUNTED EXHAUST FAN TO REMAIN.
- SUPPLY DUCT TO BE REMOVED AND REROUTED TO BE IN FIRST FLOOR CEILING TO ALLOW FOR 2ND FLOOR ADDITION INCLUDE NEW DOORWAY INTO EXISTING OFFICES. CONNECT TO EXISTING DUCTS TO REMAIN.
- DUCTS IN THIS AREA TO BE ROUTED BETWEEN AND WITHIN JOISTS.
- REMOVE AND REINSTALL DUCTS ABOVE LOCKER AND BREAK ROOMS TO ALLOW FOR INSTALLATION OF SECOND FLOOR STRUCTURE. LOWER DUCTS TO FIT UNDER STRUCTURAL ELEMENTS AS REQUIRED.

DRAWING NOTES:

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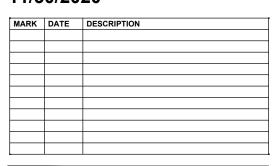
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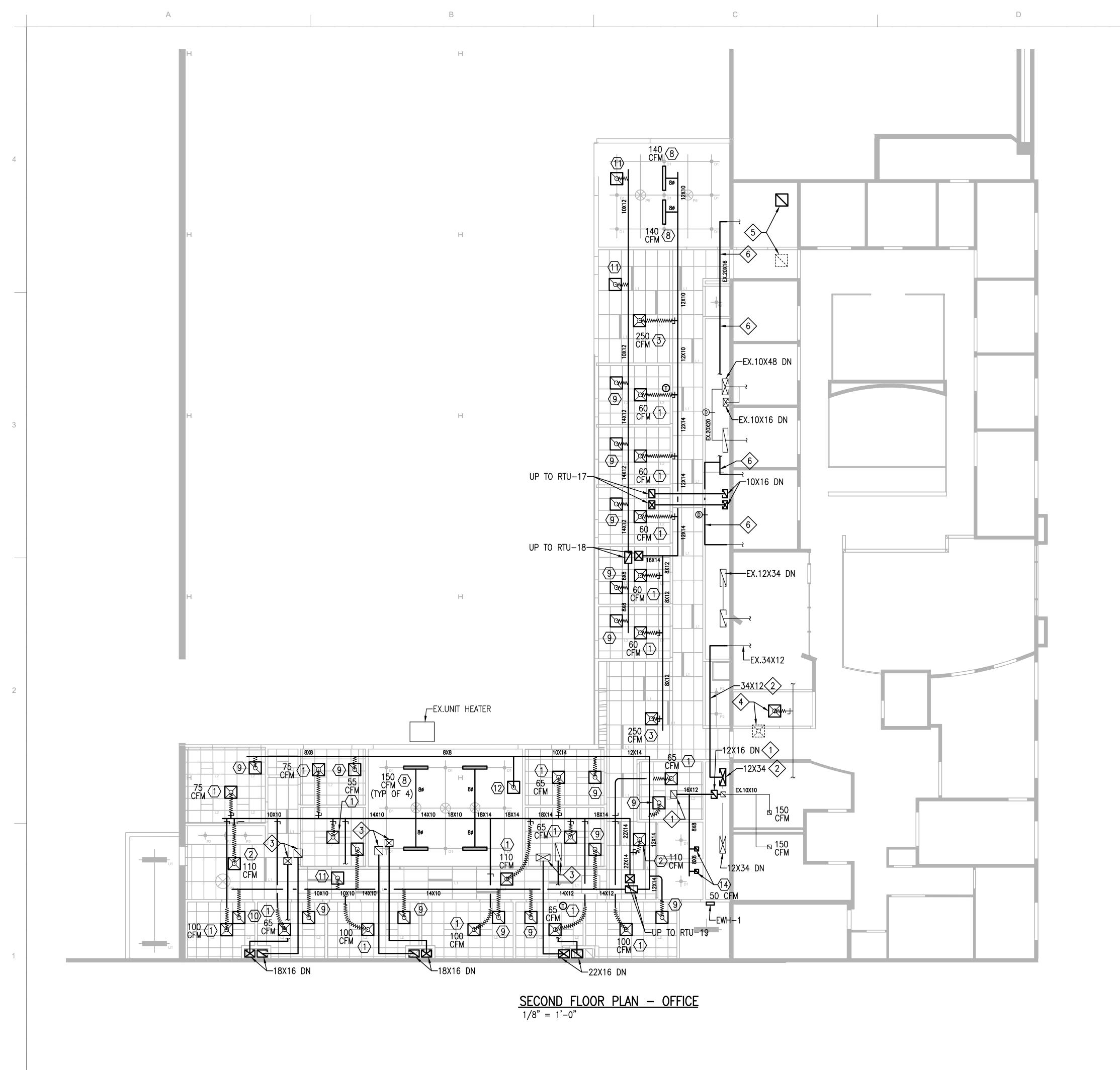
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FIRST FLOOR PLAN -OFFICE HVAC



DRAWING NOTES:

- EXHAUST DUCT TO BE REROUTED TO BE ADJACENT TO WALL TO ALLOW FOR 2ND FLOOR ADDITION. CONNECT TO EXISING BRANCH DUCTS. BALANCE AIRFLOWS TO VOLUMES SHOWN. ROOF MOUNTED EXHAUST FAN TO REMAIN.
- SUPPLY DUCT TO BE REMOVED AND REROUTED TO BE IN SECOND FLOOR CEILING TO ALLOW FOR 2ND FLOOR ADDITION INCLUDE NEW DOORWAY INTO EXISTING OFFICES. CONNECT TO EXISTING DUCTS TO REMAIN.
- CONNECT DUCTS TO EXISTING ROOFTOP UNIT.
- RELOCATE EXISTING SUPPLY AIR DEVICE INTO NEW HUDDLE ROOM. MODIFY DUCTWORK FOR NEW LOCATION.
- RELOCATE EXISTING PLENUM RETURN GRILLE INTO NEW OFFICE SPACE.
- RELOCATE EXISTING DUCT UP TO BOTTOM OF ROOF JOISTS TO ALLOW FOR HIGHER OFFICE CEILINGS.

PI.KL

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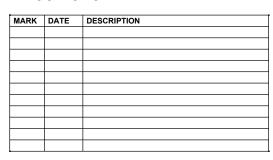
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SECOND FLOOR PLAN -OFFICE HVAC

UP TO KEF-3-DN TO DISHW. 12X6 TRANSFER CFM (TYP OF 4) 16X12 T 12 RTU-15 12 -12X16 UP 14X12 18X14 10X12 UP TO 4 EX.EF-6 8 140 CFM 2 150 CFM 2 115 CFM EX.18X10 (2) 150 CFM EX.8X10 2 115 CFM (10) www

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

DRAWING NOTES:

- (1) CONNECT DUCTS TO EXISTING ROOFTOP UNIT RTU-14.
- PROVIDE FACTORY FABRICATED GREASE EXHAUST DUCTS. SEE EXHAUST DUCT SHEET FOR DETAILS. PROVIDE 2 HOUR RATED DUCT FIRE WRAP WHERE REQUIRED TO MAINTAIN 18 INCH CLEARANCE TO COMBUSTIBLES.
- CONNECT SUPPLY DUCT TO HOOD FLANGE. BRANCH DUCT TO MATCH FLANGE SIZE. REFER TO HOOD DRAWINGS FOR FLANGE SIZE AND CFM.
- INTERLOCK FAN WITH RTU-13. FAN SHALL ENERGIZE WHEN RTU IS IN OCCUPIED MODE AND DE-ENERGIZE WHEN NOT IN OCCUPIED MODE.
- PROVIDE NEW THERMOSTAT WITH OCCUPIED/UNOCCUIPIED MODE FOR EXISTING RTU. PROVIDE NEW THERMOSTAT CABLE.

AIRFLOW TABLE EXHAUST CFM OUTDOOR AIR CFM **EQUIPMENT** EX.RTU-11 800 EX.RTU-12 800 EX.RTU-14 300 0 EX.MUA 0 EX.MUA 3572 EX.HOOD EF 4896 EX.HOOD EF 4465 MUA-10 MUA-2 3240 KEF-1 4856 KEF-2 3600 900 KEF-3

16,998

18,717

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project name:

MARYLAND FOOD BANK

2006

project number:

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

OWNER:

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MEP ENGINEER:

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LUUA DESIGN BALTIMORE, MD

INTERIOR DESIGN:

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MARK DATE DESCRIPTION

FIRST FLOOR PLAN -KITCHEN HVAC

REMOVE EXISTING FLUES FROM DEMOLISHED WATER HEATER AND PATCH ROOF.

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project name:

MARYLAND FOOD BANK

project number: 2006

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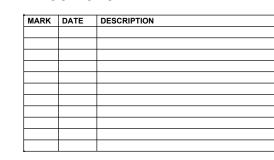
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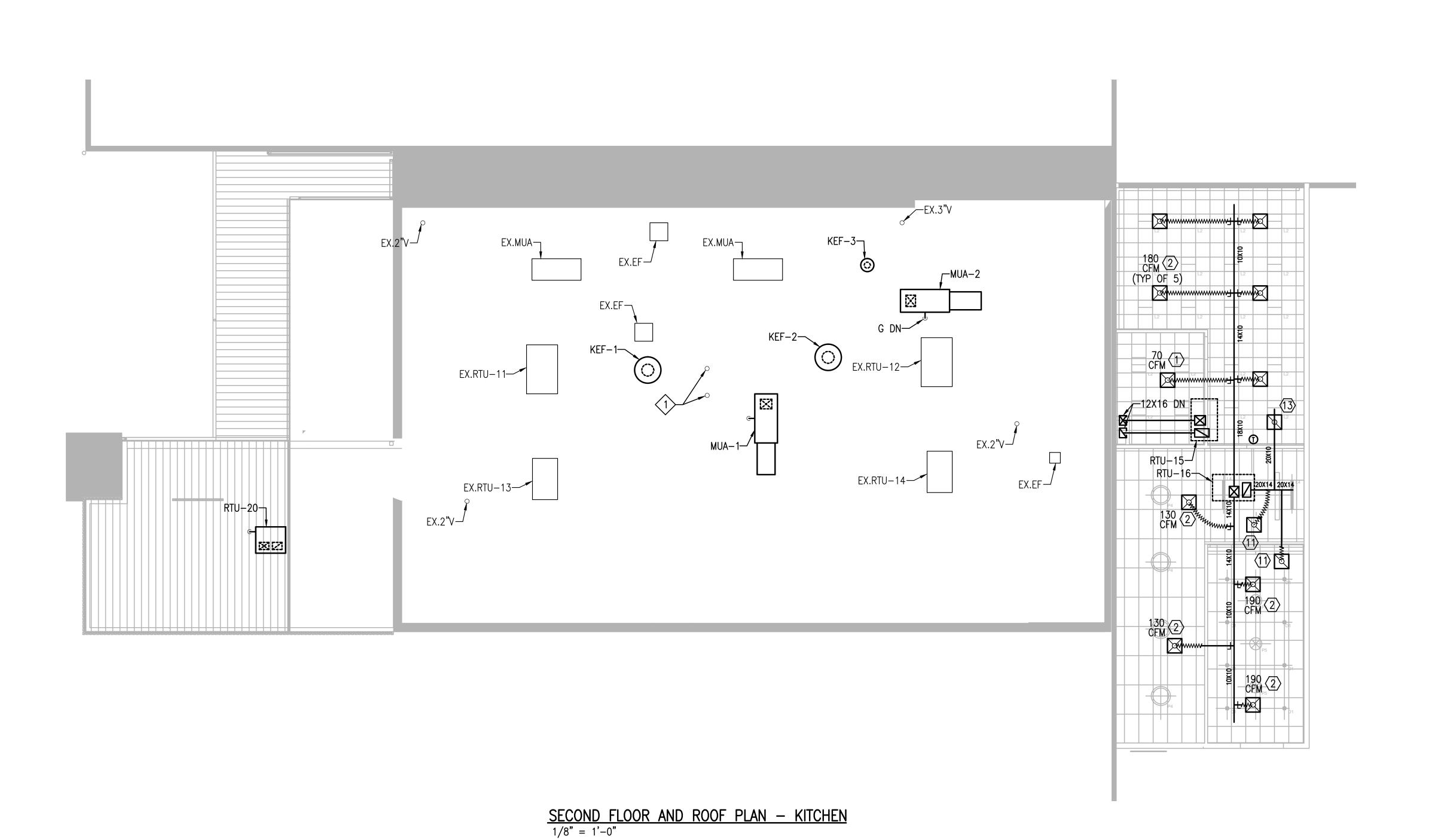
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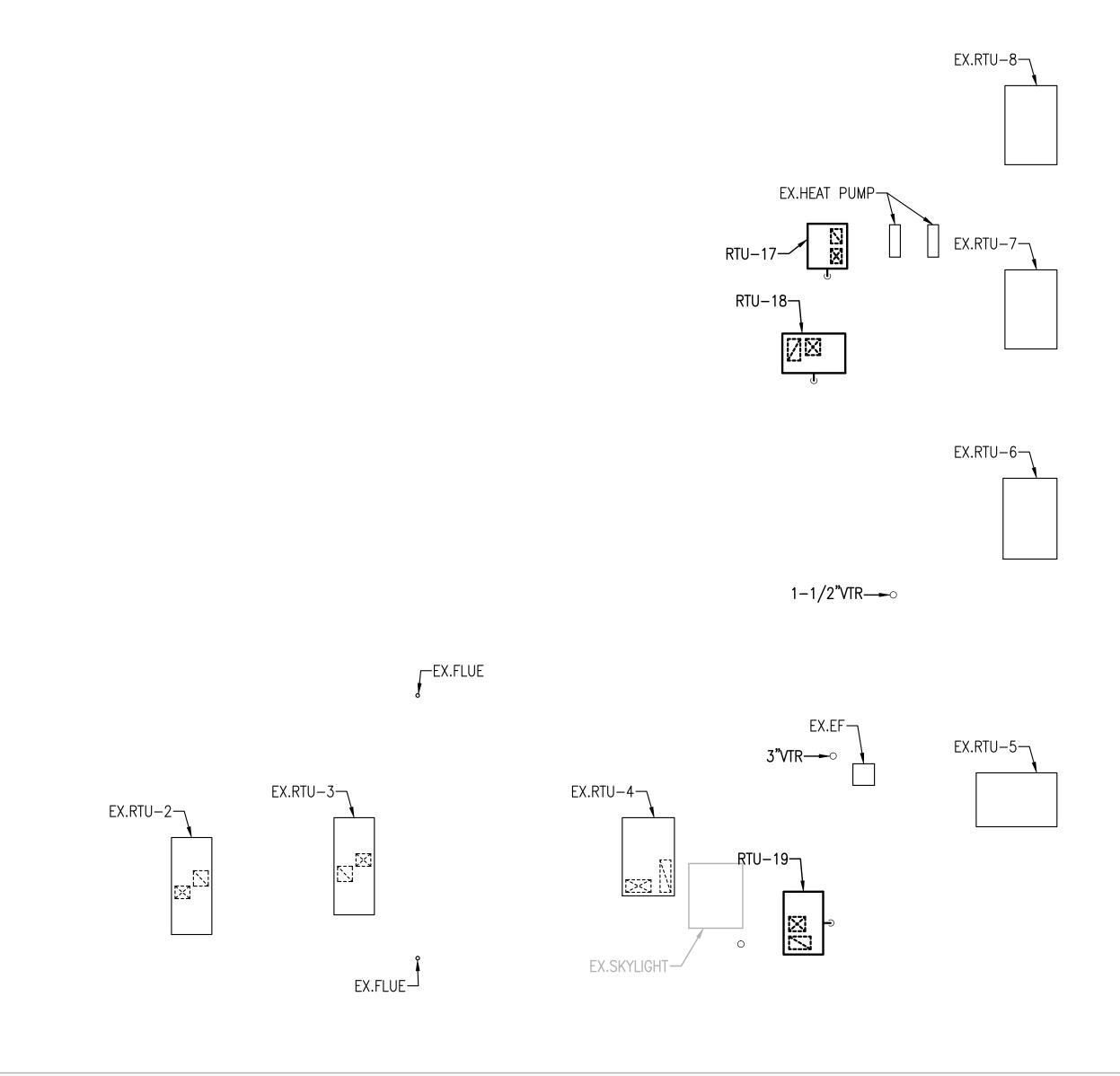
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SECOND FLOOR PLAN -KITCHEN HVAC





 $\frac{\text{ROOF PLAN - OFFICE}}{1/8" = 1'-0"}$

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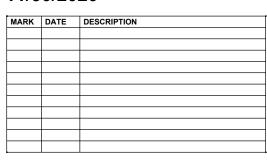
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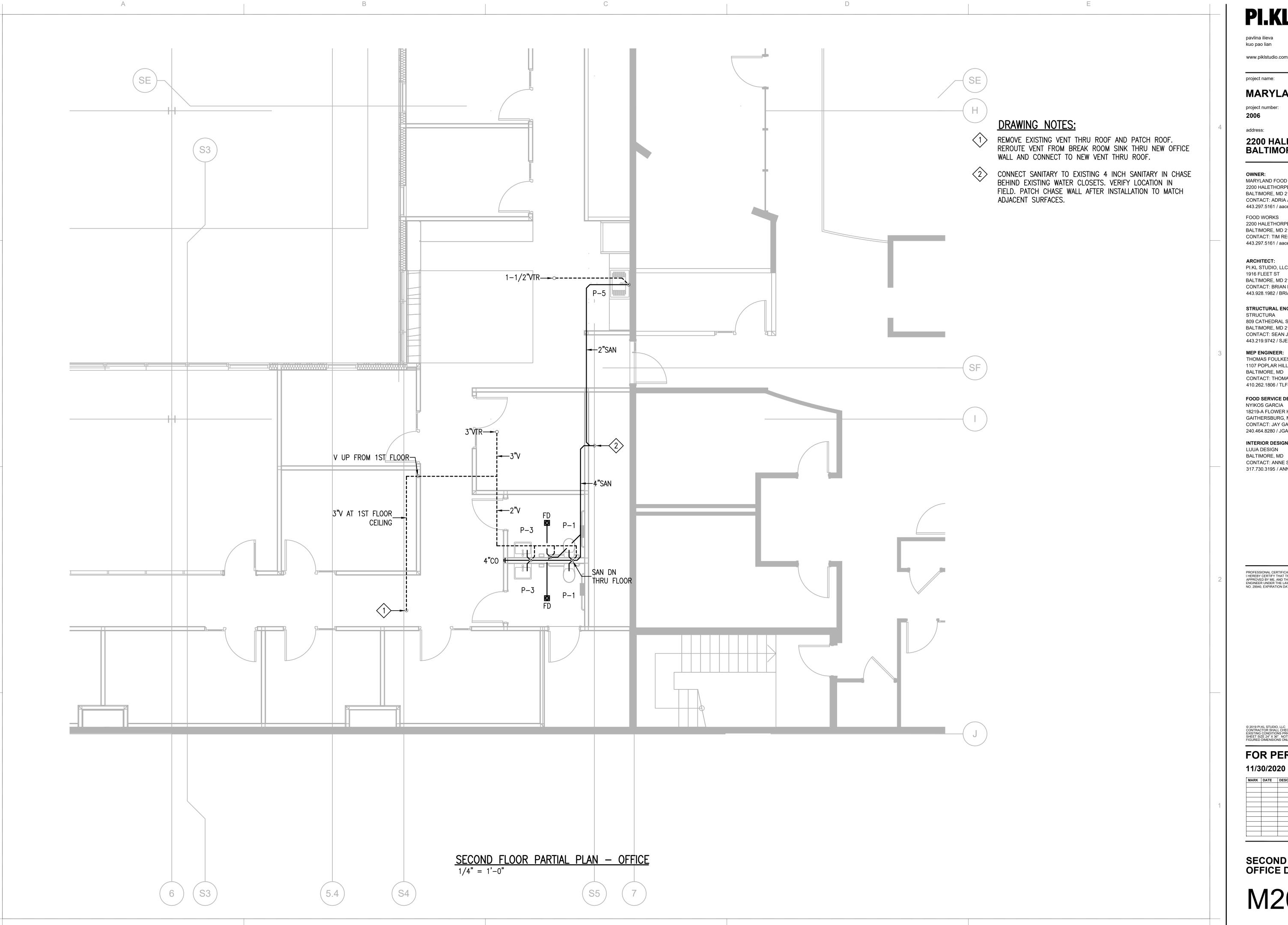
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ROOF PLAN - OFFICE AREA



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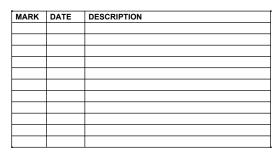
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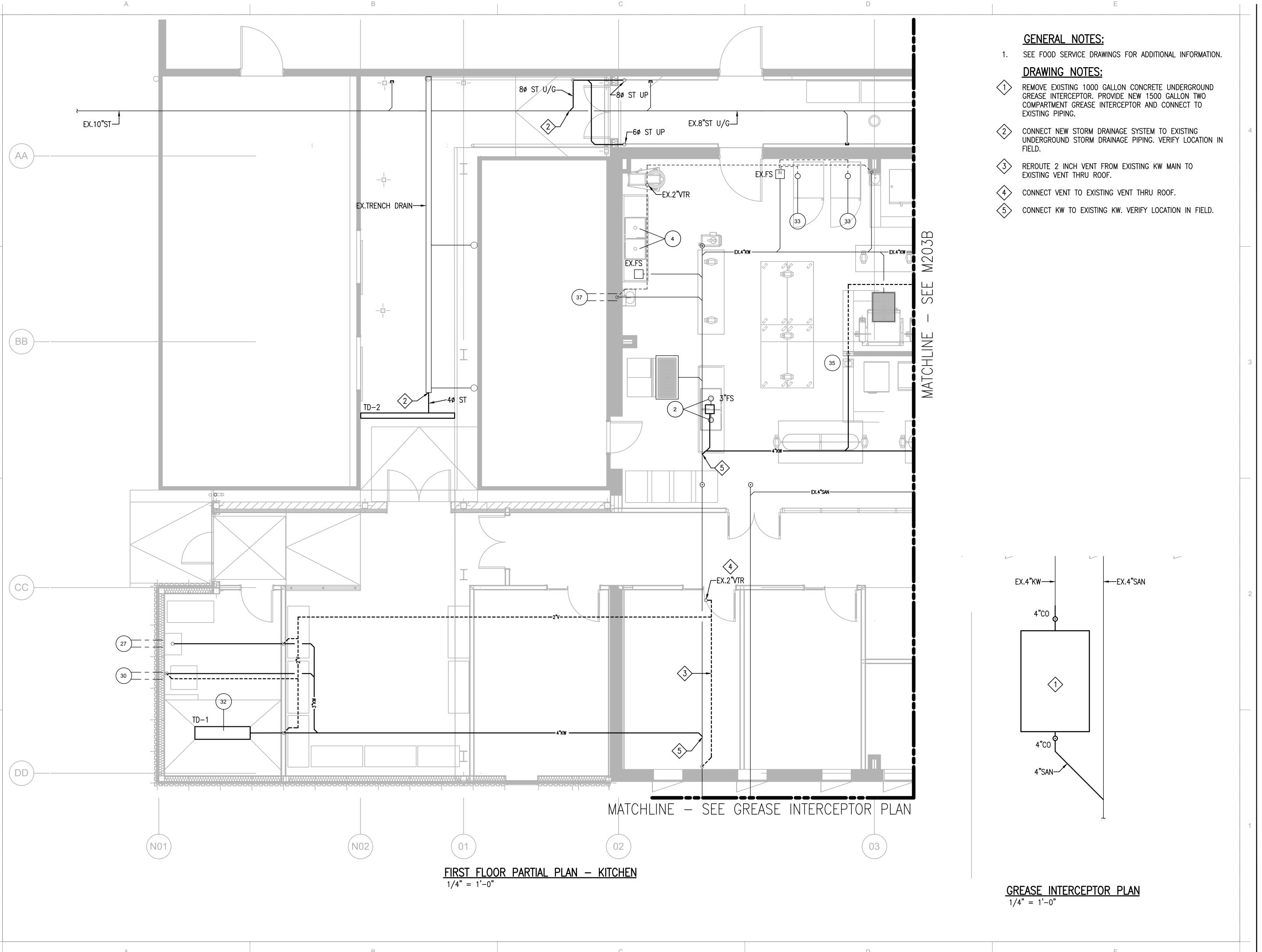
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SECOND FLOOR PLAN -OFFICE DRAINAGE



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2006

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

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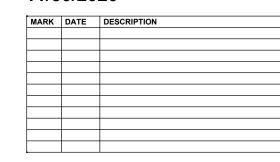
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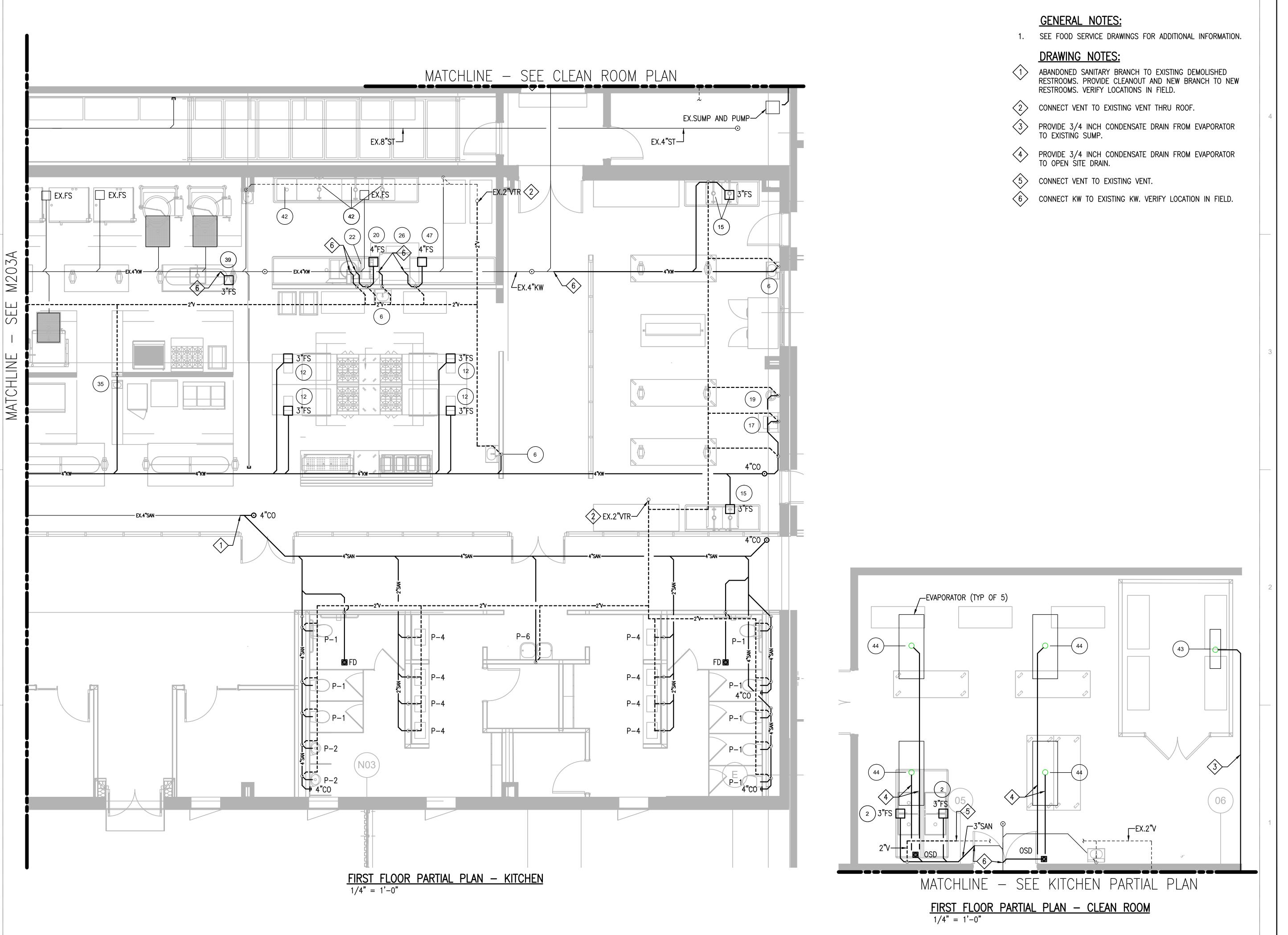
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FIRST FLOOR PLAN -KITCHEN DRAINAGE

M203A



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project name:

MARYLAND FOOD BANK

project number:

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address:

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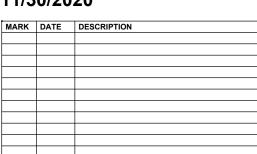
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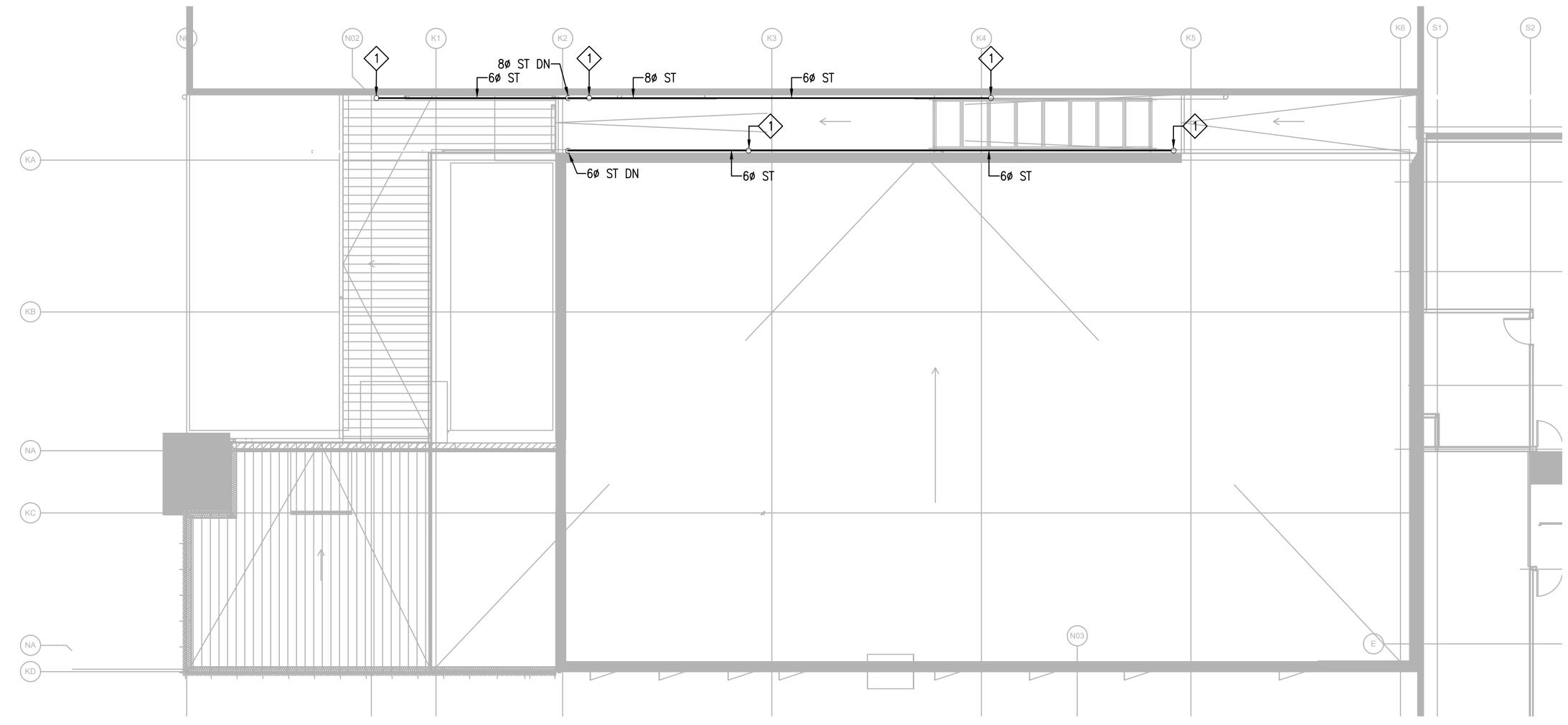
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FIRST FLOOR PLAN -KITCHEN DRAINAGE

M203B

PROVIDE STORM DRAINAGE PIPING ABOVE ROOF SUSPENDED FROM WALL. CONNECT TO EXISTING DOWNSPOUTS.



KITCHEN ROOF STORM DRAINAGE PLAN
1/8" = 1'-0"

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project name:

MARYLAND FOOD BANK

project number: 2006

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

OWNER:

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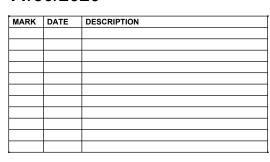
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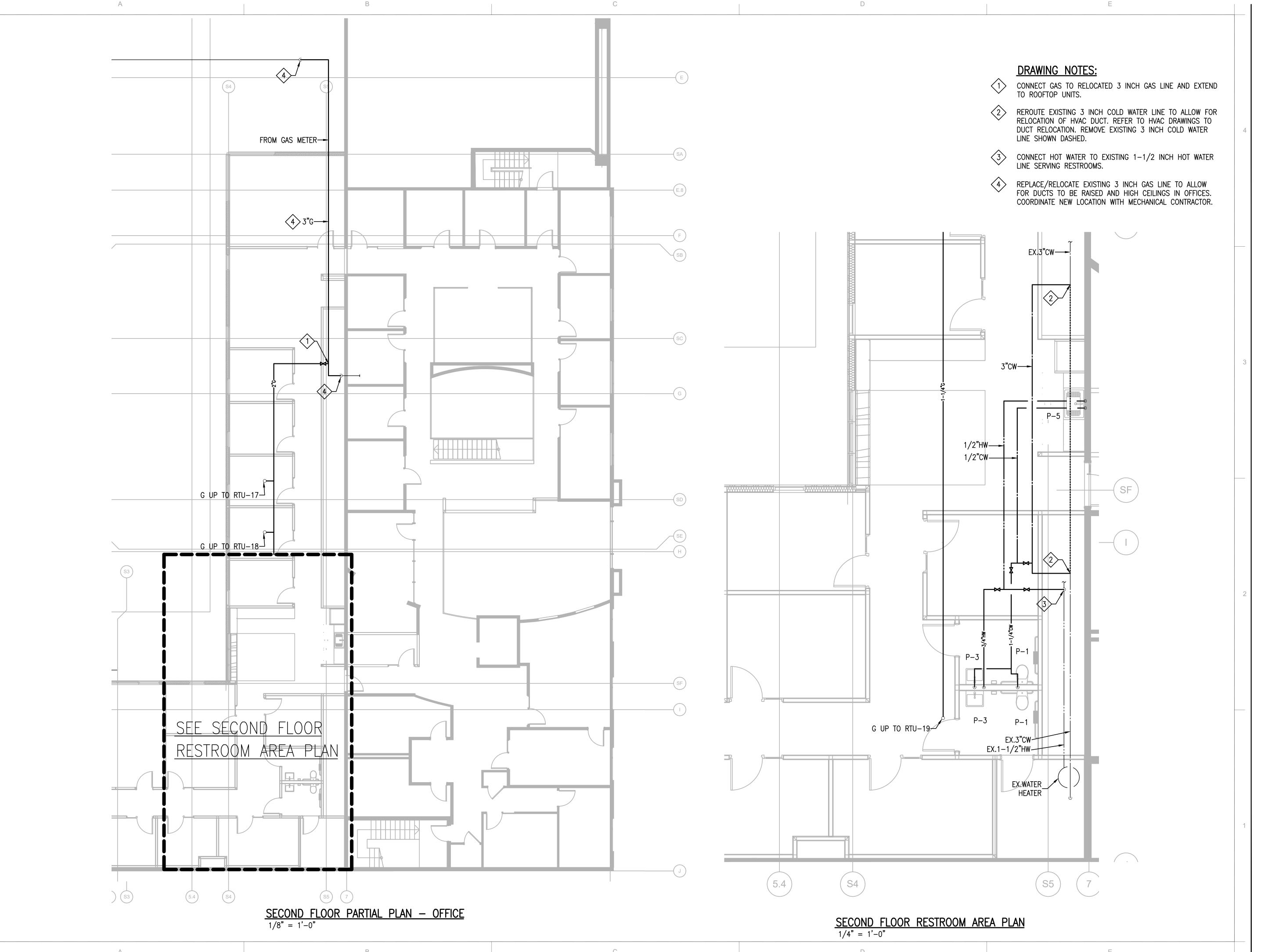
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SECOND FLOOR PLAN -KITCHEN DRAINAGE



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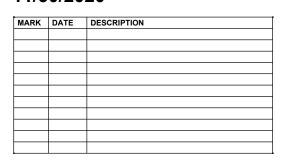
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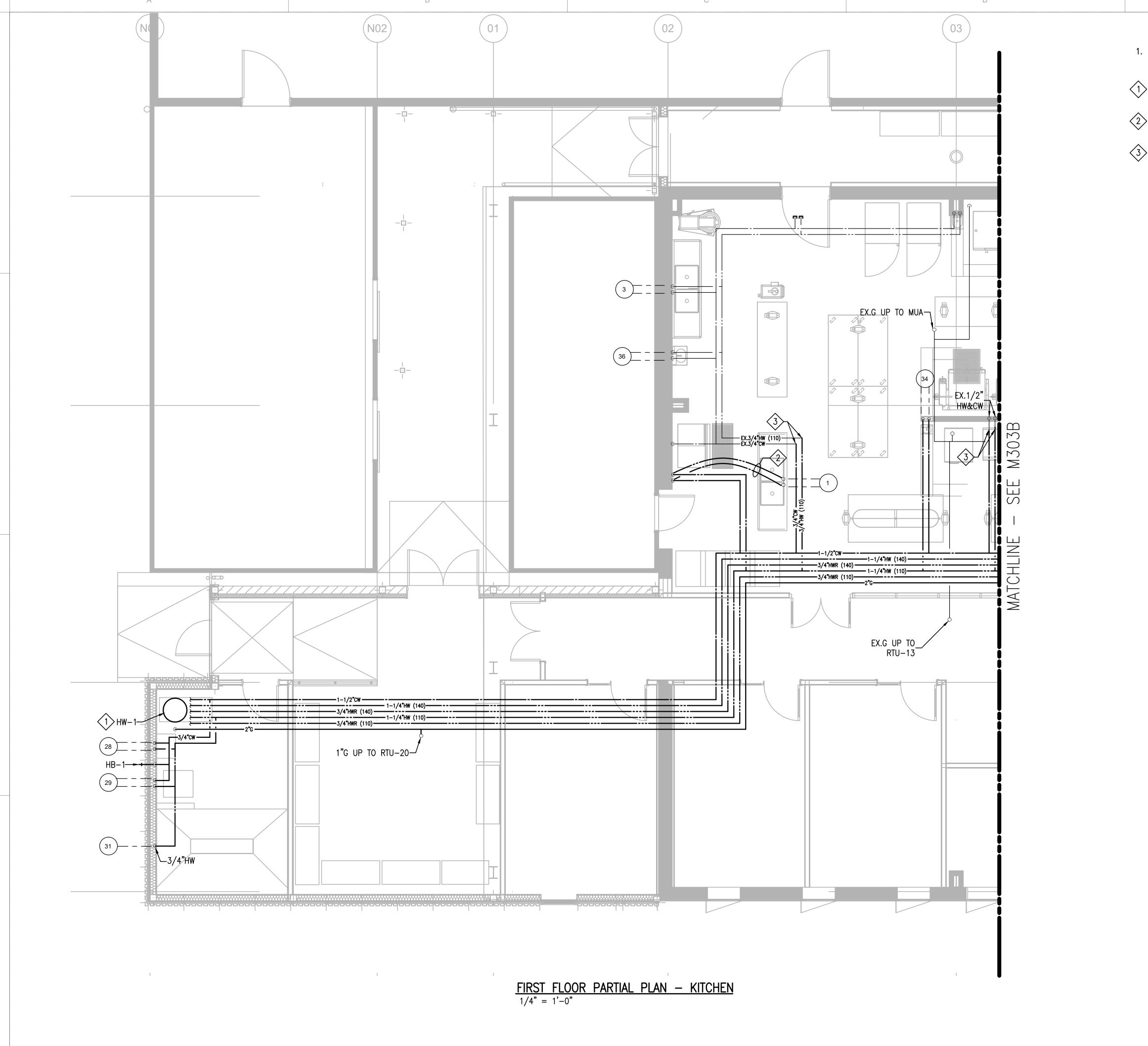
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SECOND FLOOR PLAN -OFFICE PLUMBING SUPPLY



GENERAL NOTES:

SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.

DRAWING NOTES:

- PROVIDE COMBUSTION AIR INTAKE AND EXHAUST THRU ROOF PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE 1/2 INCH CW & HW PEX TUBING UNDER SLAB TO SINK. PROVIDE 1/2 INCH INSULATION ON HW.
- CONNECT TO EXISTING 1/2 INCH CW & HW PIPING.

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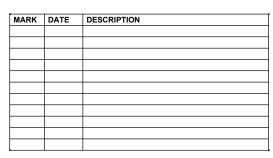
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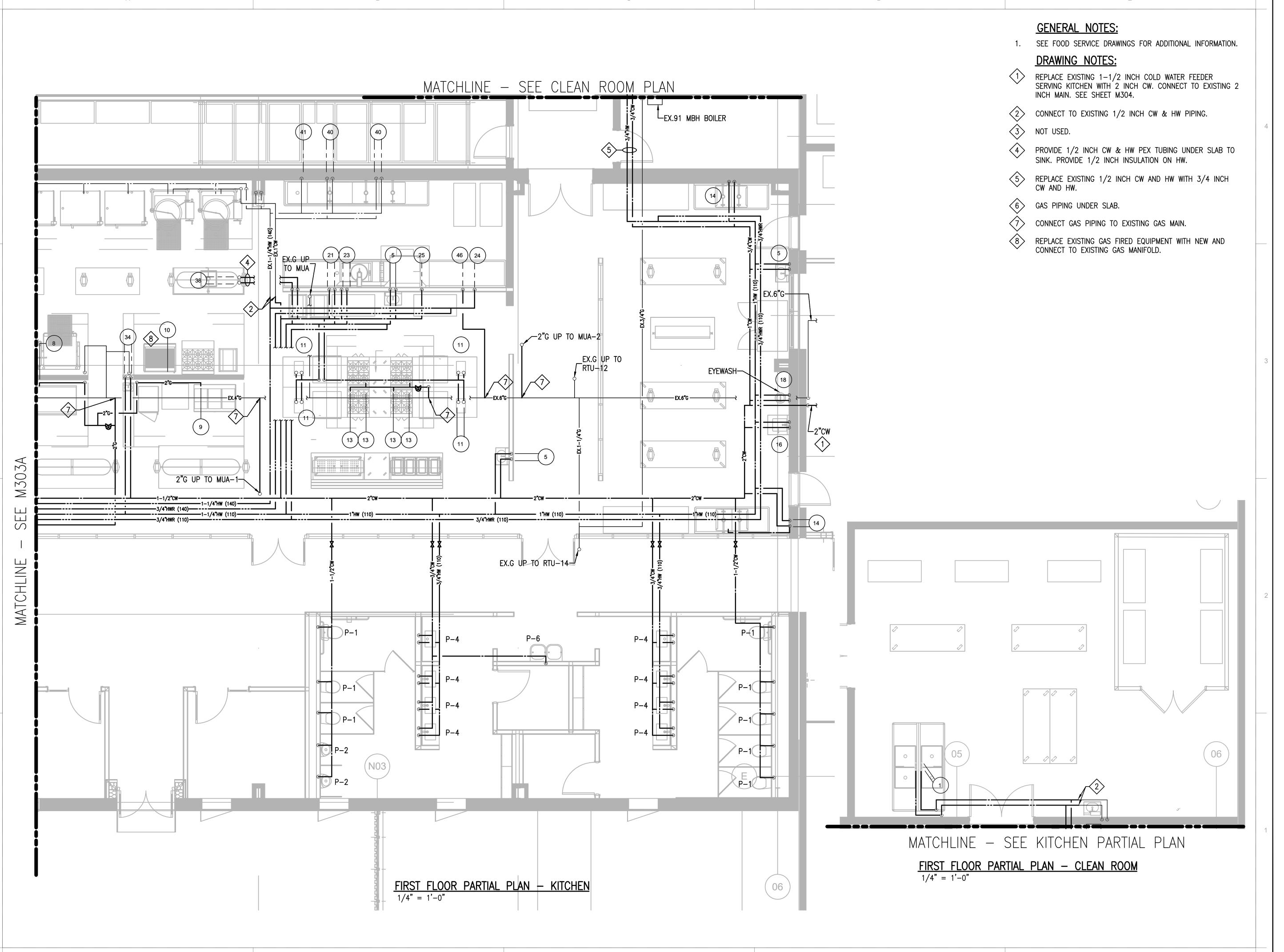
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FIRST FLOOR PLAN -KITCHEN PLUMBING SUPPLY

M303A



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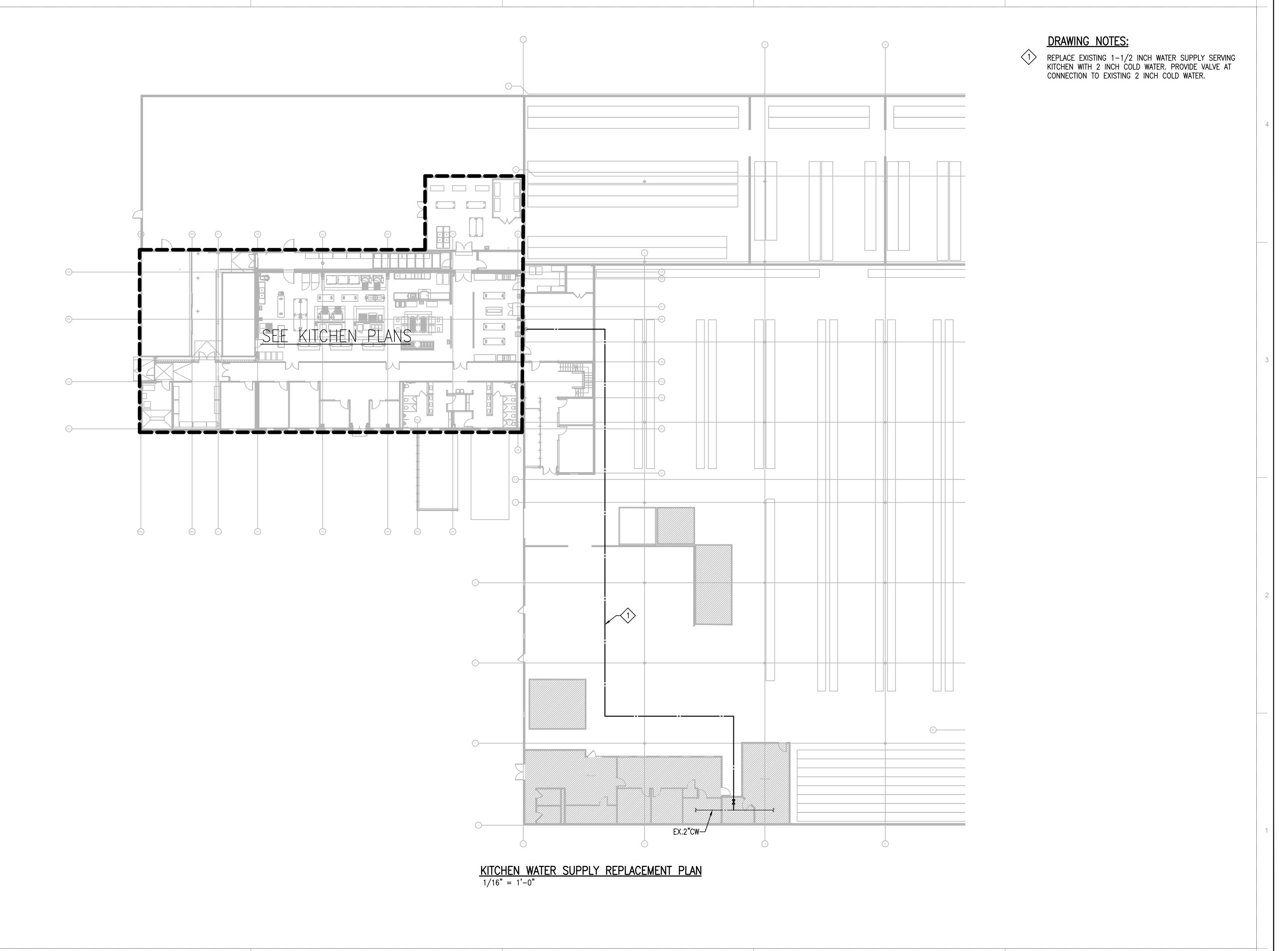
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BALTIMORE, MD 21227
CONTACT: TIM REGAN
443.297.5161 / aaceto@mdfoodbank.org

ARCHITECT:
PI.KL STUDIO, LLC
1916 FLEET ST
BALTIMORE, MD 21231
CONTACT: BRIAN BAKSA
443.928.1982 / BRIAN@PIKLSTUDIO.COM

STRUCTURAL ENGINEER: STRUCTURA

809 CATHEDRAL STREET
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CONTACT: SEAN JEFFREYS
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MEP ENGINEER: THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD

BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY

GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD

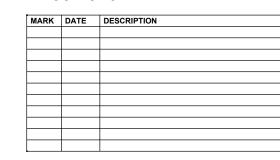
CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
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NO. 29940, EXPIRATION DATE: 01/12/22.

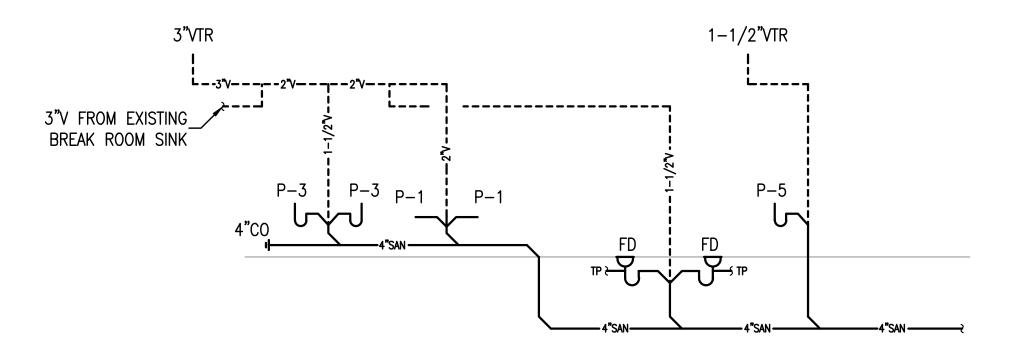
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FOR PERMIT

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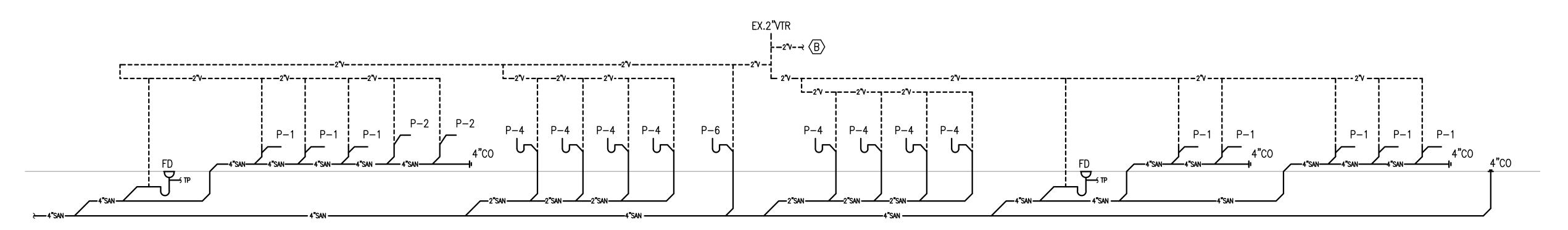


KITCHEN WATER SUPPLY REPLACEMENT



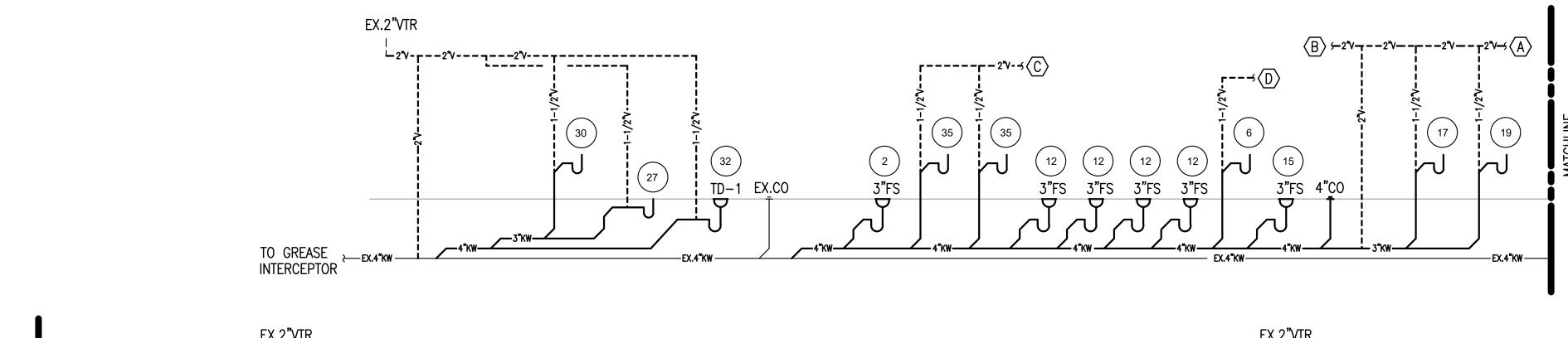
NOTE: REFER TO PLUMBING SCHEDULES FOR BRANCH PIPE SIZES

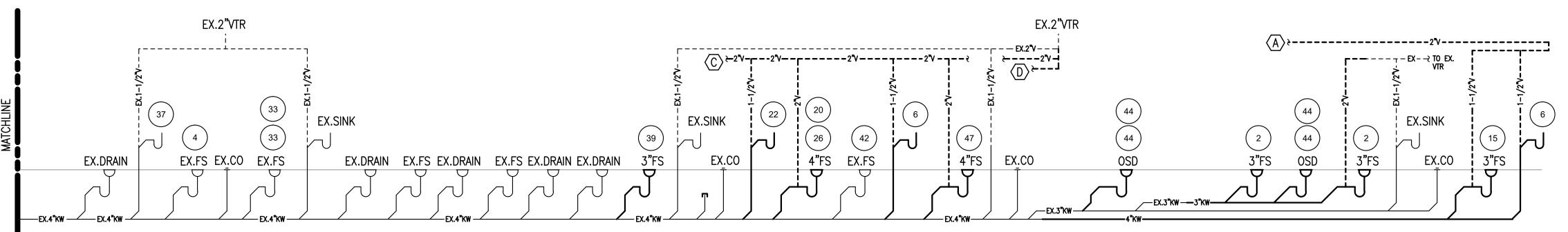
SECOND FLOOR OFFICE SANITARY RISER DIAGRAM



NOTE: REFER TO PLUMBING SCHEDULES FOR BRANCH PIPE SIZES

KITCHEN RESTROOMS
SANITARY RISER DIAGRAM NOT TO SCALE





NOTE: REFER TO PLUMBING SCHEDULES FOR BRANCH PIPE SIZES

KITCHEN DRAINAGE

KITCHEN WASTE RISER DIAGRAM NOT TO SCALE

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project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

OWNER:

MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: ADRIA ACETO 443.297.5161 / aaceto@mdfoodbank.org

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CONTACT: ANNE STAHL

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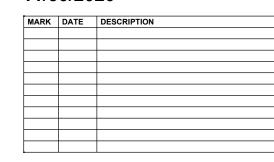
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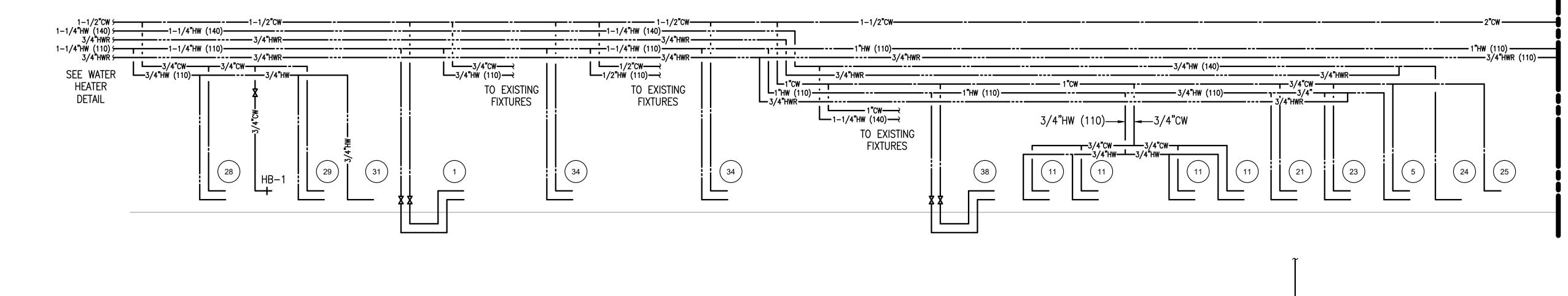
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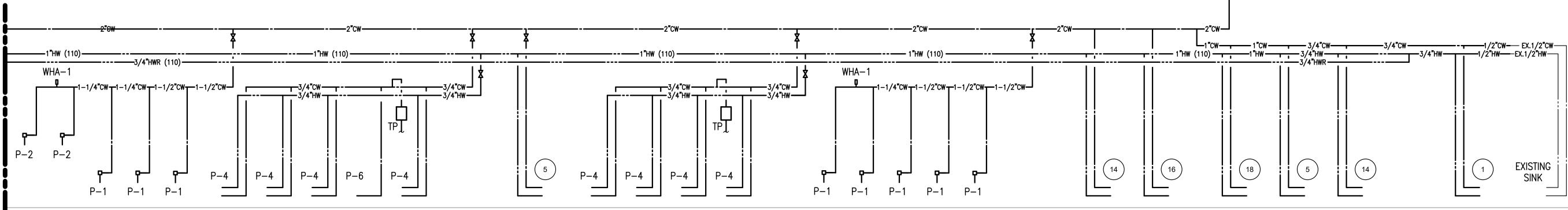
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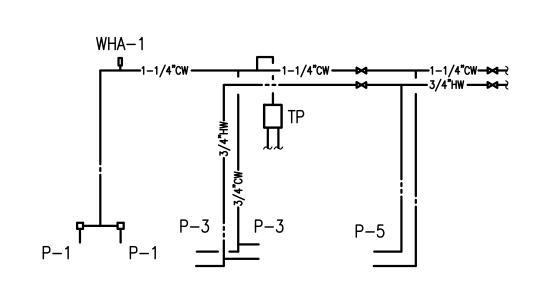
SANITARY RISERS



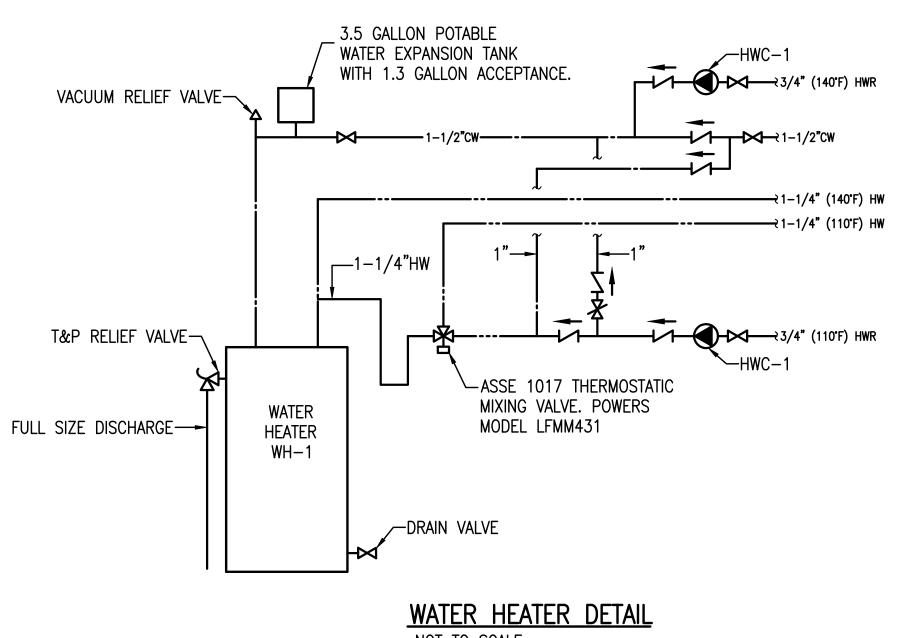


NOTE: REFER TO PLUMBING SCHEDULES FOR BRANCH PIPE SIZES

KITCHEN AREA WATER SUPPLY RISER DIAGRAM NOT TO SCALE



NOTE: REFER TO PLUMBING SCHEDULES FOR BRANCH PIPE SIZES SECOND FLOOR OFFICE WATER SUPPLY RISER DIAGRAM NOT TO SCALE



NOT TO SCALE

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project name:

MARYLAND FOOD BANK

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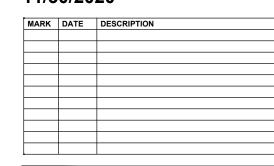
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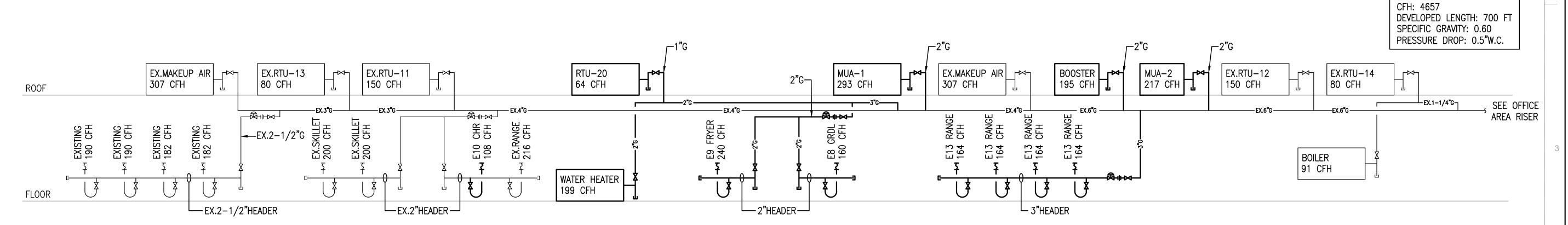
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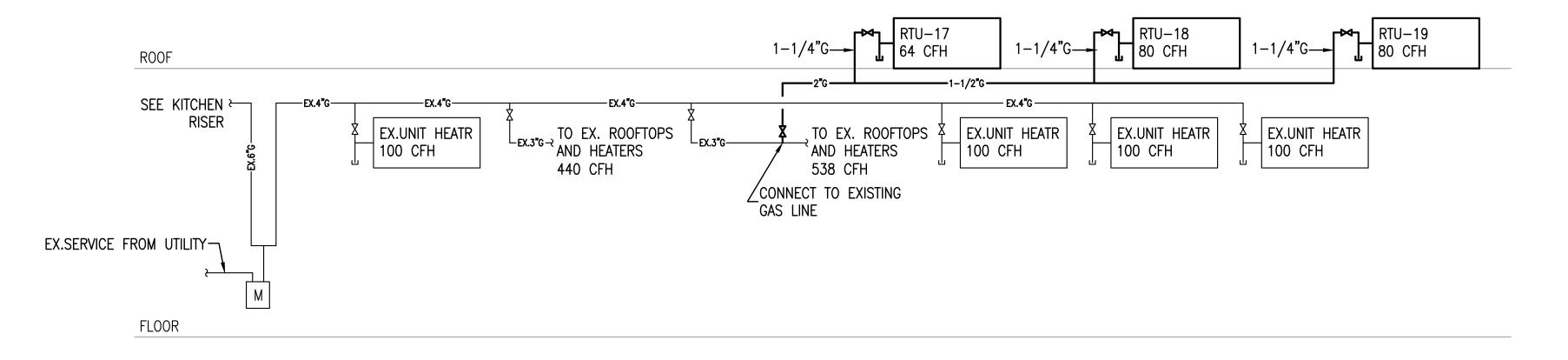
11/30/2020



WATER SUPPLY RISERS



KITCHEN GAS SUPPLY RISER DIAGRAM NOT TO SCALE



OFFICE AREA GAS SUPPLY RISER DIAGRAM
NOT TO SCALE

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project name:

project number:

MARYLAND FOOD BANK

2006

TYPE OF GAS: NATURAL

PRESSURE: 7"W.C.

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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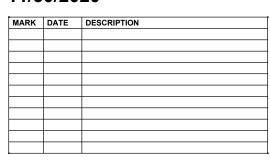
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GAS SUPPLY RISERS

	AIR DISTRIBUTION DEVICE SCHEDULE										
UNIT NO.	SIZ FACE (IN)	ZE NECK (IN)	TYPE	TITUS MODEL NUMBER	PROVIDE INTERGRAL DAMPER						
1	24X24	6ø	SUPPLY	OMNI	N						
2	24X24	8ø	SUPPLY	OMNI	N						
3	24X24	10ø	SUPPLY	OMNI	N						
4	24X24	12ø	SUPPLY	OMNI	N						
(5)	_	8ø	SUPPLY	OMNI-R	N						
6	24X24	10ø	SUPPLY	PAS	N						
7	24X24	12ø	SUPPLY	PAS	N						
8	_	6X48	SUPPLY	LL-2	Υ						
9	24X24	6ø	RETURN	PAR	N						
(10)	24X24	8ø	RETURN	PAR	N						
(11)	24X24	10ø	RETURN	PAR	N						
(12)	24X24	12ø	RETURN	PAR	N						
(13)	24X24	16ø	RETURN	PAR	N						
(14)	_	6X6	RETURN	350RL	N						
(15)	_	6X12	RETURN	350RL	N						
(16)		6X8	SUPPLY	300RS	N						
17>	-	10X10	RETURN	350RL	N						
(18)	24X24	18X18	RETURN	PAR	N						

NOTE: ALL E	RRANCH	DUCT	DIAMFTERS	SHALL	FQUAL	DFVICE	NECK	SI7F.
11012. /122 2	5.0.000	000	Dir iiii Ei Ei (O		L 4 0 / 1L		112011	0,22.

EXISTING ROOF-TOP AIR CONDITIONING UNIT SCHEDULE								
UNIT	AREA	EVAPOR/	ATOR FAN	COOLING COIL				
NO.	SERVED	SA CFM	OA CFM	NOMINAL TONS				
RTU-2	CONF ROOM	1400	310	4				
RTU-3	CONF ROOM	1400	310	4				
RTU-4	BREAK ROOM	2625	300	7.5				
RTU-11	KITCHEN	3500	800	10				
RTU-12	KITCHEN	3500	800	10				
RTU-13	KITCHEN OFFICES	1570	250	4				
RTU-14	KITCHEN	1400	300	4				

	EXHAUST FAN SCHEDULE												
UNIT NO.	LOCATION	AREA	CFM	EXTERNAL S.P. INCHES	TYPE	DRIVE		ELECTRIC	CAL DATA		CONTROLS	MAKE/MODEL	
NO.	200/111011	SERVED	OI IVI	W.G.	111 6	DINIVE	HP	V	PH				
KEF-1	ROOF	HOOD	4856	1.4	UPBLAST CENTR	DIRECT	5.0	208	3	60	ON HOOD	CAPTIVEAIRE DU240HFA	
KEF-2	ROOF	HOOD	3600	1.75	UPBLAST CENTR	DIRECT	5.0	208	3	60	ON HOOD	CAPTIVEAIRE DU12HFA	
KEF-3	ROOF	DISHWASHER	900	0.5	UPBLAST CENTR	DIRECT	0.25	120	1	60	DISHWASHER RELAY	CAPTIVEAIRE	

NOTE: MANUFACTURER SHALL PROVIDE DISCONNECT SWITCH AND ROOF CURB FOR ALL UNITS

	DIRECT FIRED MAKE-UP AIR UNIT SCHEDULE										
UNIT NO.	LOCATION	EXTERNAL S.P. CFM INCHES -				WEIGHT POUNDS	ELECTRICAL DATA				MAKE/MODEL
110.			W.G.	INPUT	OUTPUT	1 001103	HP	V	PH	HZ	
MUA-1	ROOF	4370	0.5	293,000	270,000	700	3.0	208	3	60	CAPTIVEAIRE A2-D.250-20D
MUA-2	ROOF	3240	0.5	217,000	200,000	700	1.5	208	3	60	CAPTIVEAIRE A2-D.250-20D

PROVIDE THE FOLLOWING ACCESSORIES:

AC INTERLOCK RELAY - 24VAC COIL
 MOTORIZED BACKDRAFT DAMPER

LOW FIRE START

4. INLET AND MANIFOLD PRESSURE GAUGES

5. FREEZESTAT

	ELECTRIC HEATER SCHEDULE								
UNIT NO.	LOCATION	TYPE	MOUNTING	ELECTRICAL KW V PH HZ			HZ	CONTROLS	MAKE/MODEL
EWH-1	2ND FL UTILITY RM	FAN FORCED WALL	SURFACE	1.5 120 1 60		60	INTEGRAL THERMOSTAT	QMARK AWH3150	
EWH-2	STAIR	FAN FORCED WALL	SURFACE	3.0	208	1	60	INTEGRAL THERMOSTAT	QMARK AWH4404

NOTE: MANUFACTURER SHALL PROVIDE DISCONNECT SWITCH WITH ALL UNITS

	ROOF-TOP AIR CONDITIONING UNIT SCHEDULE															
UNIT	AREA	EVAP	ORATOR FA	۸N	COOLI	NG COIL		GAS HEATING		ELECTRICAL				WEIGHT	MANUFACTURER/	ODTIONS TO DDOMDE
NO.	SERVED	SA CFM	OA CFM	ESP (IN)	NOMINAL TONS	STAGES	SEER/EER	INPUT BTUH	٧	PH	HZ	MCA	МОР	LBS	MODEL NO.	OPTIONS TO PROVIDE
RTU-15	1ST KITCHEN	1100	300	0.5	3	1	14.0	80,000	208	3	60	21	30	550	TRANE YHC OR APPROVED EQUAL	ROOF CURB, THERMOSTAT, DRY-BULB ECONOMIZER WITH BAROMETRIC RELIEF
RTU-16	2ND KITCHEN	1600	360	0.5	4	1	14.0	80,000	208	3	60	26	35	750	TRANE YHC OR APPROVED EQUAL	ROOF CURB, THERMOSTAT, DRY-BULB ECONOMIZER WITH BAROMETRIC RELIEF
RTU-17	1ST OFFICES	700	140	0.5	2	1	11.0	64,000	208	1	60	14	20	400	TRANE 4YCC30 OR APPROVED EQUAL	ROOF CURB, THERMOSTAT, CRANKCASE HEATER, HINGED FILTER DOOR, 0-25% MANUAL FRESH AIR DAMPER
RTU-18	2ND OFFICES	1100	280	0.5	3	1	14.0	80,000	208	3	60	21	30	550	TRANE YHC OR APPROVED EQUAL	ROOF CURB, THERMOSTAT, DRY-BULB ECONOMIZER WITH BAROMETRIC RELIEF
RTU-19	2ND OFFICES	1900	450	0.5	5	1	14.0	80,000	208	3	60	30	45	800	TRANE YHC OR APPROVED EQUAL	ROOF CURB, THERMOSTAT, DRY-BULB ECONOMIZER WITH BAROMETRIC RELIEF
RTU-20	KITCH. DELVRY	700	100	0.5	2	1	11.0	64,000	208	1	60	14	20	400	TRANE 4YCC30 OR APPROVED EQUAL	ROOF CURB, THERMOSTAT, CRANKCASE HEATER, HINGED FILTER DOOR, 0-25% MANUAL FRESH AIR DAMPER

PI.KL

pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number: **2006**

address:

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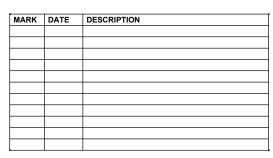
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SCHEDULES

	PIPING SCHEDULE									
CEDVICE	PIPE TYPE		VALVE TYPE	INSULATION						
SERVICE	MATERIAL	JOINTS	VALVE TIPE	THICKNESS	MATERIAL	JACKET				
DOMESTIC COLD WATER	COPPER TYPE L	SOLDERED	FULL PORT BALL	1/2"	MINERAL FIBER	ALL SERVICE				
DOMESTIC HOT WATER	COPPER TYPE L	SOLDERED	FULL PORT BALL	1"	MINERAL FIBER	ALL SERVICE				
SANITARY AND VENT	PVC	SOLVENT	_	-	NONE	-				
STORM DRAIN	PVC	SOLVENT	_	1"	MINERAL FIBER	ALL SERVICE				

	GAS FIRED WATER HEATER SCHEDULE								
UNIT NO.	TANK SIZE GAL.	BTUH INPUT	VENTING	ELECTF V	ELECTRICAL DATA V PH HZ		MANUFACTURER/ MODEL NO.		
WH-1	100	199,000	POWER VENT	120	1	60	STATE SUF100 199NE		

	PUMP SCHEDULE										
UNIT No.	PUMP STYLE	SERVICE	FLOW GPM	HEAD FT H ₂ O	V	MOTO PH	OR HZ	HP	MAKE/MODEL		
HWC-1	WET-ROTOR	DOMESTIC HOT WATER	4	13	120	1	60	1/40	TACO MODEL 006-BC7-IFC		

NOTE: PROVIDE 7-DAY DIGITAL PROGRAMMABLE TIMER AND AQUASTAT WITH HWC-1

					PLUMBING FIXTURE SCHEDULE					
FIXTURE	TVDE	GPM/	MOUNTING	FIVTURE (OR ARREDOVED FOUNT)	FALICET (OR ADDROVED FOLIAL)	ACCESCODIES (OD ADDDOVED FOLIAL)	BRANCH	SIZE UNLES	SS OTHERWISE	NOTED
NO.	TYPE	GPF	MOUNTING	FIXTURE (OR APPROVED EQUAL)	FAUCET (OR APPROVED EQUAL)	ACCESSORIES (OR APPROVED EQUAL)	CW	HW	SAN	VENT
P-1	ADA WATER CLOSET	1.6	WALL	KOHLER MODEL K-4325	SLOAN MODEL G2 8111-1.6	SEAT: KOHLER MODEL K-4731-SC	1"	_	4"	2"
P-2	URINAL	1.0	WALL	KOHLER MODEL K-4991-ET	KOHLER MODEL K-7546	-	3/4"	_	2"	1-1/2"
P-3	ADA WALL MOUNT LAVATORY	0.5	WALL	KOHLER MODEL K-2084-N	SLOAN MODEL EAF-250-BAT-CP-0.5GPM	GRID DRAIN, ASSE 1070 MIXING VALVE, ADA COMPLIANT PIPING COVERS, AND CARRIER	1/2"	1/2"	1-1/2"	1-1/2"
P-4	COUNTER MOUNT LAVATORY	0.5	UNDERMOUNT	KOHLER MODEL K-2882	SLOAN MODEL EAF-250-BAT-CP-0.5GPM	GRID DRAIN, ASSE 1070 MIXING VALVE, AND ADA COMPLIANT PIPING COVERS	1/2"	1/2"	1-1/2"	1-1/2"
P-5	STAINLESS STEEL SINK	2.2	UNDERMOUNT	KOHLER MODEL K-3894	KOHLER MODEL K-22974	SINK STRAINER	1/2"	1/2"	2"	1-1/2"
P-6	DUAL HEIGHT WATER COOLER	1	WALL SURFACE	ELKAY MODEL LZSTL8WSSP	_	_	1/2"	_	2"	1-1/2"

PLUMBING EQUIPMENT SCHEDULE ROUGH-IN-SIZE FIXTURE DESCRIPTION/REMARKS MARK S/W CW WATER HAMMER PPP, INC. SERIES SC, FULLY MECHANICAL WATER HAMMER ARRESTER SIZED AND LOCATED PER LINE <u>WHA-1</u> THE MANUFACTURER SPECIFICATIONS. SIZED ARRESTER WATTS SERIES LFUSG-B UNDER SINK THERMOSTATIC MIXING VALVE, ASSE 1070 COMPLIANT, WITH 1/2" <u>MXV-1</u> BRASS BODY AND INTEGRAL MOUNTING HOLES. VALVE WATTS LF008PCQT HEALTH HAZARD, ANTI-SIPHON, SPILL-RESISTANT BACKFLOW PREVENTER. VERIFY APPROVAL WITH UTILITY AND JURISDICTION PRIOR TO INSTALLATION. ASSE 1056 BREAKER SIZED <u>FD</u> FLOOR DRAIN WATTS MODEL FD-100-M. PROVIDE TRAP PRIMER CONNECTION ON TRAP AND TRAP PRIMER TUBING. TRAP PRIMER WATTS MODEL LFTP300. _ OPEN SITE WATTS MODEL FD-100-EG. SEE FLOOR SINK <u>FS</u> WATTS MODEL FS-500 WITH HALF GRATE, AND DOME BOTTOM STRAINER. PLANS REFER TO FOOD SERVICE DRAWINGS AND SPECIFICATIONS. TRENCH DRAIN <u>TD-2</u> PRE-SLOPED POLYPROPYLENE TRENCH DRAIN SYSTEM WITH DUCTILE IRON FRAME TRENCH DRAIN 3/4" <u>HB-1</u> HOSE BIBB WATTS MODEL HY-420. LENGTH TO SUIT WALL THICKNESS.

PI.KL

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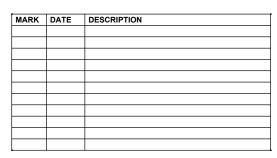
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NO. 29940, EXPIRATION DATE: 01/12/22.

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AI EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WO SHEET SIZE 24" X 36". NOT TO SCALE AT OTHER SHEET SIZES FIGURED DIMENSIONS ONLY, DO NOT SCALE FROM DRAWING

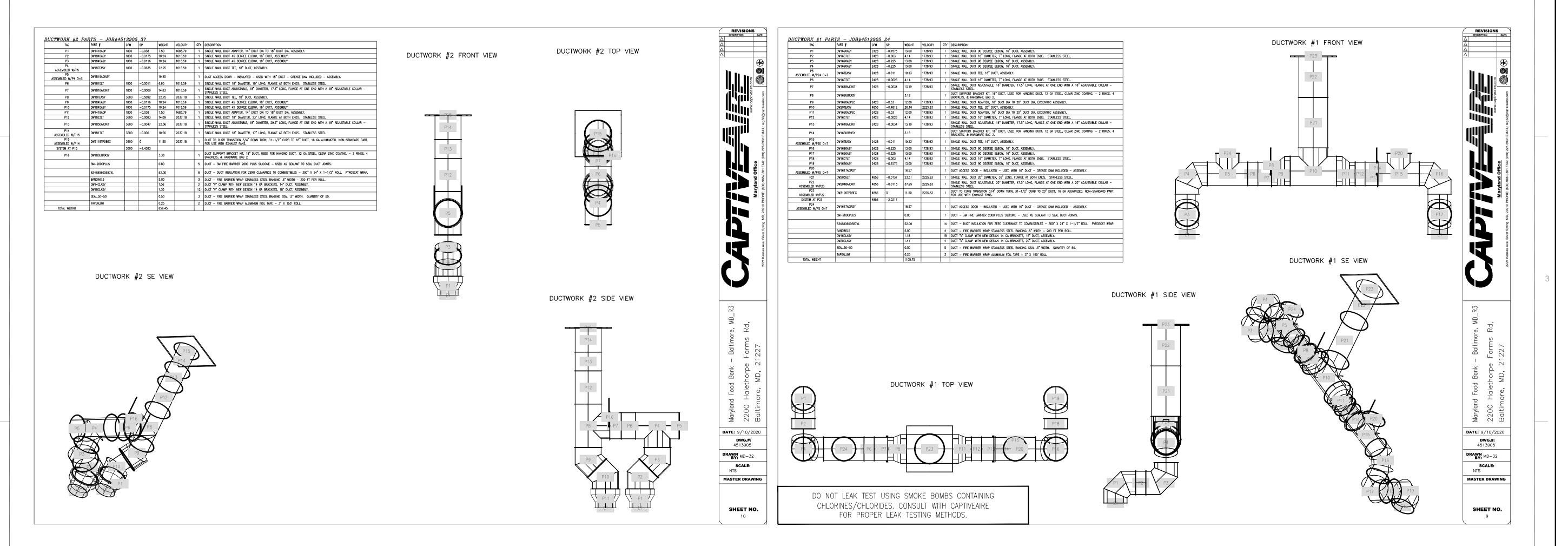
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11/30/2020



SCHEDULES

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project name:

MARYLAND FOOD BANK

project number:

2006

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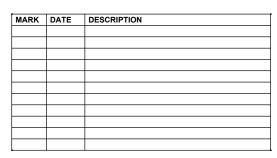
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HOOD EXHAUST DUCTS

GENERAL ELECTRICAL NOTES

- 1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY CODE.
- 2. CONTRACT DOCUMENT DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- 3. INSTALL ALL ELECTRICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- 4. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED.
- 5. COORDINATE CONSTRUCTION OF ALL ELECTRICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL WORK ETC., SHOWN ON OTHER CONTRACT DOCUMENTS.
- 6. ALL OPENINGS IN FIRE RATED ASSEMBLIES DUE TO BOXES, CONDUIT, ETC., SHALL BE FIRE STOPPED WITH UL CLASSIFIED PENETRATION SYSTEM.
- 7. FLOOR SLABS SHALL BE X-RAYED BEFORE ANY CORE DRILLING IS COMMENCED.
- 8. THE BRANCH CIRCUIT FEEDING BATTERY POWERED EMERGENCY AND EXIT LIGHTING SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES AND TIME CLOCKS.
- 9. FINAL TESTING: TEST ALL CONNECTIONS AT PANEL BOARDS, DEVICES, AND EQUIPMENT AND ALL SPLICES. EACH BRANCH CIRCUIT AND ITS RESPECTIVE CONNECTED EQUIPMENT MUST TEST FREE OF SHORT CIRCUITS. UPON COMPLETION OF THE WORK, CLEAN AND POLISH ALL EXPOSED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 10. ELECTRICAL CONTRACTOR SHALL VERIFY THE ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION.
- 11. ALL WIRES SHALL BE COPPER WITH 600 VOLT INSULATION UNLESS OTHERWISE NOTED.
- 12. PROVIDE BREAKERS AND WIRING TO FEED ANY REQUIRED HVAC CONTROLS.
- 13. ALL SWITCHBOARDS, SWITCHGEAR, AND PANEL BOARDS SUPPLIED BY A FEEDER(S) IN OTHER THAN ONE— OR TWO—FAMILY DWELLINGS SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES. TYPICAL FOR ALL PANELS.

FIRE ALARM NOTES:

- 1. CONTRACTOR SHALL DESIGN ADDRESSABLE FIRE ALARM SYSTEM AND PROVIDE PERMIT DRAWINGS, INCLUDING ALL CAD DRAWINGS WITH LAYOUT OF ALL DEVICES, REQUIRED CALCULATIONS, SHOP DRAWINGS, EQUIPMENT CUTS, ETC.
- 2. PROVIDE ALL COMPONENTS NECESSARY FOR A FULLY FUNCTIONAL FIRE ALARM SYSTEM PER NFPA AND IBC. AND IN COMPLIANCE WITH THE AMERICAN DISABILITY ACT (ADA).
- 3. ALL EQUIPMENT SHALL BE UL LISTED.
- 4. FIRE ALARM SYSTEM, COMPONENTS AND DEVICES SHALL BE APPROVED BY THE FIRE MARSHAL'S OFFICE.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR PROPER INSTALLATION AND FUNCTION OF THE SYSTEM.
- 6. DEVICE MOUNTING HEIGHTS SHALL COMPLY WITH NFPA AND ADA.
- 7. FLASHING LIGHTS/STROBES SHALL BE PER IBC AND NFPA REQUIREMENTS. CONTRACTOR SHALL SYNCHRONIZE ALL DEVICES AS NECESSARY.
- 8. CONTRACTOR SHALL COORDINATE BETWEEN MECHANICAL, ELECTRICAL AND ARCHITECTURAL FEATURES AND SYSTEMS TO FACILITATE AN INSTALLATION THAT IS CONSISTENT WITH THE BUILDING DESIGN. ALL FINISHED SURFACES ALTERED BY THE INSTALLING CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. FINAL CONNECTION AND TESTING OF SYSTEM COMPONENTS OF THE SPRINKLER SYSTEM AND BUILDING CONTROL FUNCTIONS SHALL BE COORDINATE WITH THE OWNER.
- 9. FIRE ALARM DESIGN SHALL COMPLY WITH NFPA 72, THE NATIONAL FIRE ALARM CODE LATEST ADOPTED ADDITION, THE MANUFACTURER'S REQUIREMENTS, AND ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- 10. PROVIDE CONNECTION TO CENTRAL STATION FIRE ALARM SYSTEM FOR REPORTING OF ALL TROUBLE AND ALARM SIGNALS REQUIRED BY CODE.
- 11. VERIFY EXISTING FIRE ALARM SYSTEM AND PROVIDE NEW FIRE ALARM DEVICES INDICATED. DEVICES SHALL BE NFPA AND ADA COMPLIANT AND SHALL BE COMPATIBLE WITH EXISTING SYSTEM.
- 12. IF EXISTING PANEL DOES NOT HAVE THE CAPACITY OR ADDITIONAL SPACE THE CONTRACTOR SHALL PROVIDE A NEW EXTENDER PANEL ADJACENT TO EXISTING. INTERCONNECT BOTH PANELS TO COMPLY WITH FIRE MARSHAL'S REQUIREMENTS.
- 13. THE CONTRACTOR SHALL PROVIDE ADDITIONAL POWER BOOSTER IN EXISTING FIRE ALARM CONTROL PANEL AS NECESSARY TO ACCOMMODATE NEW DEVICES.
- 14. FIRE ALARM VENDER SHALL SUBMIT DETAILED NOTIFICATION DEVICE LOCATIONS FOR APPROVAL. SEPARATE PERMIT IS REQUIRED FOR FIRE ALARM.

ELECTRICAL SPECIFICATIONS

1.0 RACEWAYS, BOXES, AND CONDUITS

- A. OUTDOOR WIRING METHODS:1. ABOVEGROUND: RIGID OR INTERMEDIATE METAL CONDUIT.
- 2. UNDERGROUND: RIGID NONMETALLIC CONDUIT (PVC SCHEDULE 40) UNLESS OTHERWISE NOTED.
- 3. CONNECTION TO VIBRATING EQUIPMENT: LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
- 4. BOXES AND ENCLOSURES: NEMA TYPE 3R.
- B. INDOOR WIRING METHODS:1. EXPOSED: ELECTRICAL METALLIC TUBING.
- 2. CONCEALED: ELECTRICAL METALLIC TUBING OR MC TYPE ARMORED CABLE.
- 3. CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT, EXCEPT IN WET OR DAMP
- LOCATIONS USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT.

 4. BOXES AND ENCLOSURES: NEMA TYPE 1, EXCEPT IN WET LOCATIONS USE TYPE LISTED FOR WET LOCATIONS.
- C. ALL CIRCUITRY IN FINISHED AREAS SHALL RUN CONCEALED. MINIMUM SIZE CONDUIT SHALL BE 3/4".
- D. EXPOSED AND CONCEALED CIRCUITRY (WHETHER CONDUIT OR CABLE) SHALL RUN TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE TO MAXIMIZE HEADROOM IN A NEAT WORKMANLIKE MANOR. ALL RUNS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING WALLS.

2.0 WIRE AND CABLE

- ALL CONDUCTORS SHALL BE COPPER, MINIMUM #12, UNLESS OTHERWISE NOTED, WITH THHN—THWN
 INSULATION.
- B. ALL 120 VOLT CIRCUIT HOMERUNS THAT ARE OVER 100 LINEAR FEET SHALL BE #10 CONDUCTORS MINIMUM.
- . WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION MC CABLE MAY BE UTILIZED FOR INTERIOR BRANCH CIRCUITS.

3.0 WIRING DEVICES AND TELEPHONE/DATA OUTLETS

- A. THE LOCATION OF ALL WIRING DEVICES AND TELPHONE/DATA OUTLETS SHALL BE VERIFIED BEFORE INSTALLATION WITH THE ARCHITECT. THE ARCHITECT MAY, AT HIS OPTION, RELOCATE ANY DEVICE 5 FEET AT NO CHARGE TO THE OWNER. PROVIDE DEVICE RING, 3/4" CONDUIT, AND PULL STRING IN ALL WALL SPACES TO 6" ABOVE CEILING SPACE WHERE TELEPHONE/DATA CONDUCTORS WILL BE INSTALLED BY OTHERS.
- B. WHERE TWO OR MORE DEVICES ARE SHOWN TOGETHER ON THE PLANS A MULTI-GANG BOX AND PLATE SHALL BE USED. DEVICES OF DIFFERENT VOLTAGES SHALL BE SEPARATED BY PERMANENTLY INSTALLED BOX PARTITIONS.
- C. ALL OUTLETS SHOWN ON A WALL BACK TO BACK SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY.
- D. DEVICE PLATES SHALL BE PAINTED OVERSIZED STEEL. COLOR SELECTED BY ARCHITECT.
 E. COORDINATE LIGHT SWITCHES SHOWN ON DRAWINGS WITH DOOR SWINGS. LOCATE LIGHT SWITCH ON LOCK SIDE OF DOOR.

4.0 GROUNDING

- A. GROUND ELECTRICAL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH NEC EXCEPT WHERE
- GROUNDING IN EXCESS OF NEC REQUIREMENTS IS INDICATED.
- B. ALL CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR.C. SEPARATELY DERIVED SYSTEMS REQUIRED BY NEC TO BE GROUNDED SHALL BE GROUNDED AS
- APPROVED BY THE AUTHORITY HAVING JURISDICTION.

5.0 PANELBOARDS

- A. ALL PANELBOARDS SHALL BE EQUIPPED WITH COMMON KEYED LOCKS. PROVIDE A MINIMUM OF TWO KEYS PER PANEL. PANELBOARDS SHALL BE COMPLETE WITH DOOR IN DOOR TYPE COVERS AND TRIMS AND SHALL CONTAIN A GROUND BUS.
- B. BEFORE ORDERING PANELBOARDS COORDINATE ALL MOTOR CIRCUIT TRIPS WITH EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE CONDUCTOR SIZE WITH ACTUAL MOTORS AND OTHER EQUIPMENT FURNISHED BEFORE INSTALLING CIRCUITRY. ADJUSTABLE TRIP CIRCUIT BREAKERS SHALL BE SET BY THE CONTRACTOR IN THE FIELD.
- C. CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS. INCORPORATE OWNER'S FINAL ROOM DESIGNATIONS.
- D. PANELBOARD NAMEPLATES: LABEL EACH PANELBOARD WITH A NAMEPLATE.

6.0 DISCONNECTS AND CIRCUIT BREAKERS

- A. ENCLOSED NON-FUSIBLE SWITCH SHALL HAVE AN ENCLOSURE TYPE CONSISTENT WITH THE ENVIRONMENT WHERE IT IS LOCATED. ENCLOSED FUSIBLE SWITCHES SHALL HAVE CLIPS TO ACCOMMODATE SPECIFIED FUSES, ENCLOSURE CONSISTENT WITH ENVIRONMENT WHERE LOCATED. SWITCHES SHALL HAVE MINIMUM FAULT CURRENT RATING OF 200,000 SYMMETRICAL RMS AMPERES.
- B. LOCATE DISCONNECT SWITCH (AND MOTOR CONTROLLER) FOR MECHANICAL EQUIPMENT TO PERMIT SERVICING OF EQUIPMENT. CHECK MOTORS FOR PROPER ROTATION. CONNECT CONDUCTORS AS REQUIRED BY MANUFACTURER.
- C. ENCLOSED MOLDED-CASE CIRCUIT BREAKER: FRAME SIZE, TRIP RATING, NUMBER OF POLES, AND AUXILIARY DEVICES AS INDICATED; INTERRUPTING CAPACITY RATING TO MEET AVAILABLE FAULT CURRENT, 10,000 SYMMETRICAL RMS AMPERES MINIMUM; WITH APPROPRIATE APPLICATION LISTING WHEN USED FOR SWITCHING FLUORESCENT LIGHTING LOADS OR HVAC EQUIPMENT.
- D. ENCLOSURE: NEMA TYPE 1 UNLESS SPECIFIED OR REQUIRED OTHERWISE TO MEET ENVIRONMENTAL CONDITIONS OF INSTALLED LOCATION.
- CONDITIONS OF INSTALLED LOCATION.

 1. OUTDOOR LOCATIONS: TYPE 3R
- PROPERLY SUPPORT DISCONNECT OR ENCLOSED CIRCUIT BREAKER ON WALL WITH METAL FRAMING AS
- A. PROVIDE FUSES IF REQUIRED BY MANUFACTURER OF EQUIPMENT FOR UL APPROVAL OR HACR CIRCUIT BREAKERS.

7.0 EQUIPMENT CONNECTION

A. EXTEND WIRING TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND MAKE FINAL AND COMPLETE CONNECTIONS TO ALL EQUIPMENT. BEFORE ROUGHING IN THE LOCATION AND TYPE OF DEVICE SHALL BE VERIFIED FROM SHOP DRAWINGS OF THE EQUIPMENT.

8.0 EXISTING CONDITIONS

A. THE CONTRACTOR SHALL VISIT THE SITE, DETERMINE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK MUST BE DONE OR OTHER CIRCUMSTANCES WHICH WILL AFFECT THE WORK AND MAKE ALL NECESSARY ALLOWANCES BEFORE SUBMITTING HIS BID.

ELEC	CTRICAL LEGEND
SYMBOL	DESCRIPTION
	NEW (THICK LINED)
	EXISTING TO REMAIN (THIN LINED)
	EXISTING TO BE REMOVED (DASHED)
Ф	DUPLEX RECEPTACLE, 120 VOLTS, 18" AFF U.O.N.
Pwp	WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, 120 VOLTS
P _G	GFCI PROTECTED DUPLEX RECEPTACLE, 120 VOLTS, 18" AFF U.O.N.
⊕ _G	GFCI PROTECTED DUPLEX RECEPTACLE, 120 VOLTS, 6" ABOVE COUNTER HEIGHT OR SINK HEIGHT
 	DUPLEX RECEPTACLE, 120 VOLTS, 6" ABOVE COUNTER HEIGHT.
₽	QUADRUPLEX RECEPTACLE, 120 VOLTS, 18" AFF U.O.N.
0	FLOOR OUTLET, SIZE AS NOTED
•	SPECIAL RECEPTACLE, SIZE AS NOTED
4	TWO DATA OUTLETS, ADJACENT TO RECEPTACLE
	PANELBOARD, SIZE AS NOTED
마	DISCONNECT SWITCH
E ₁	FUSED DISCONNECT SWITCH
S	SINGLE POLE SWITCH 20A, 277V, 48" AFF
So	SINGLE POLE DUAL TECHNOLOGY OCCUPANCY SENSOR 20A, 48"AFF
(S)	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR 20A
J	JUNCTION BOX, SIZE AS REQUIRED
⊗	EXIT SIGN WITH BATTERY PACK
484	COMBINATION EXIT SIGN AND EMERGENCY LIGHT WITH BATTERY PACK
4,5	REMOTE OUTDOOR HEADS POWERED BY EXIT SIGN
4	EMERGENCY LIGHT WITH BATTERY PACK
Ху С ХУ	LIGHT FIXTURE. UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES CONTROLLING SWITCH.
	BRANCH CIRCUIT WIRING. HASH MARKS INDICATE NUMBER OF WIRES. GROUND WIRE NOT SHOWN BUT TO BE PROVIDED AS PER NEC. NO HASH MARKS MEAN 2#12 & #12G.
##	HOMERUN TO PANEL. HASH MARKS INDICATE NUMBER OF WIRES. GROUND WIRE NOT SHOWN BUT TO BE PROVIDED AS PER NEC. LETTER DENOTES PANEL DESIGNATION, NUMBER DENOTES CIRCUIT NUMBER. NO HASH MARKS MEAN 2#12 & #12G.
F	FIRE ALARM ADDRESSABLE PULL STATION MOUNTED ON WALL AT 48" AFF
O _{xx}	FIRE ALARM STROBE WALL MOUNTED 80"-96" AFF. XX DENOTES CANDELA RATING.
Q xx A	FIRE ALARM HORN AND STROBE WALL MOUNTED 80" AFF OR 6" BELOW CEILING WHICHEVER IS LOWER. XX DENOTES CANDELA RATING

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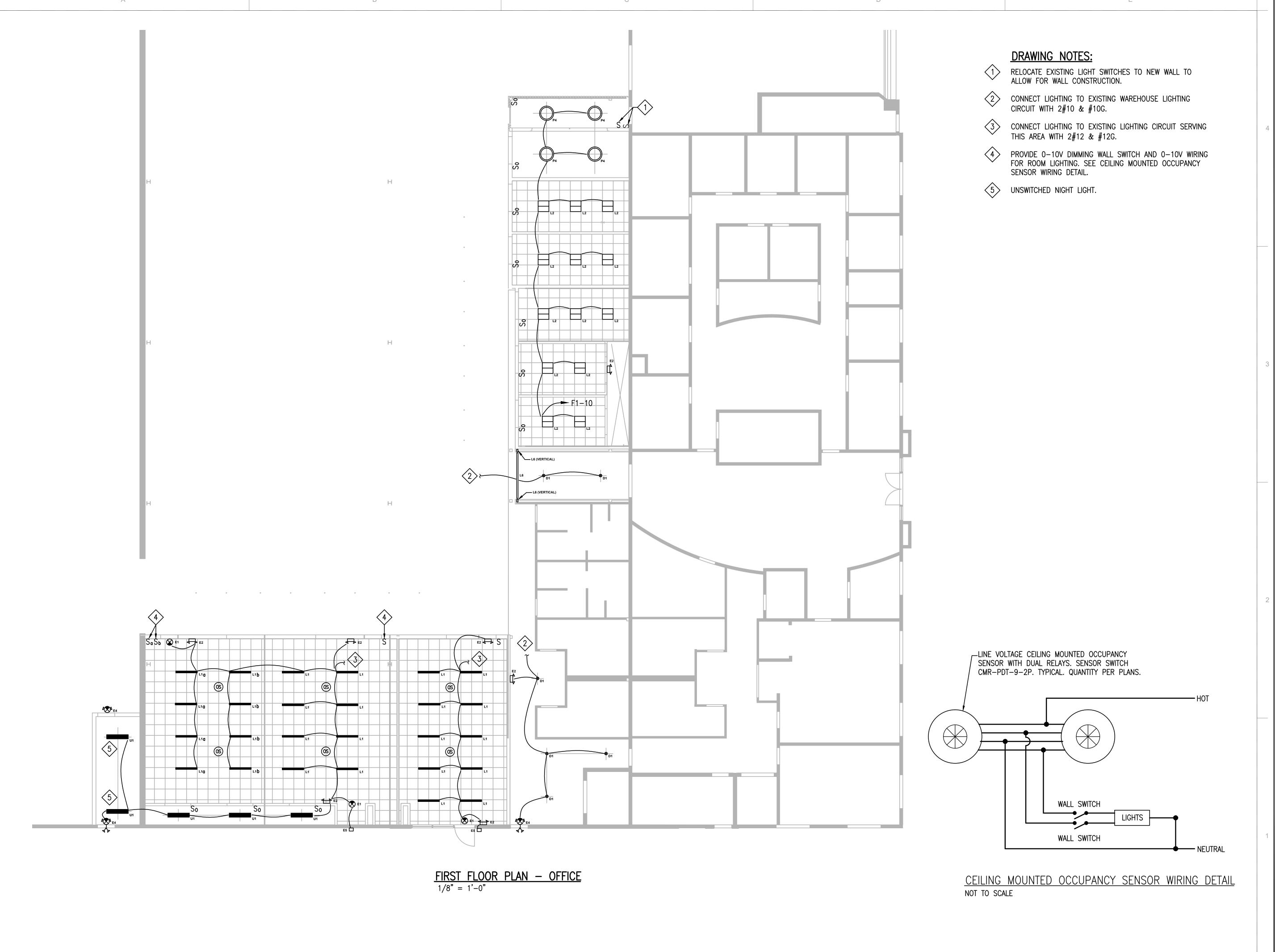
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LEGEND AND NOTES



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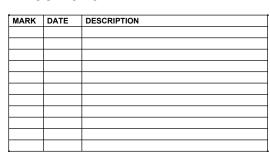
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FIRST FLOOR PLAN -OFFICE LIGHTING



SECOND FLOOR PLAN - OFFICE

1/8" = 1'-0"

DRAWING NOTES:

- SENSOR WIRING DETAIL.
 - UNSWITCHED NIGHT LIGHT.
- RELOCATE LIGHT SWITCH AND ADJUST LIGHTING WIRING FOR NEW FLOOR PLAN FOR THIS ROOM AND ADJACENT CORRIDOR.

- PROVIDE 0-10V DIMMING WALL SWITCH AND 0-10V WIRING FOR ROOM LIGHTING. SEE CEILING MOUNTED OCCUPANCY

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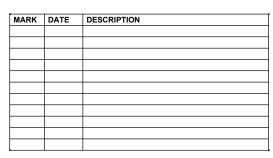
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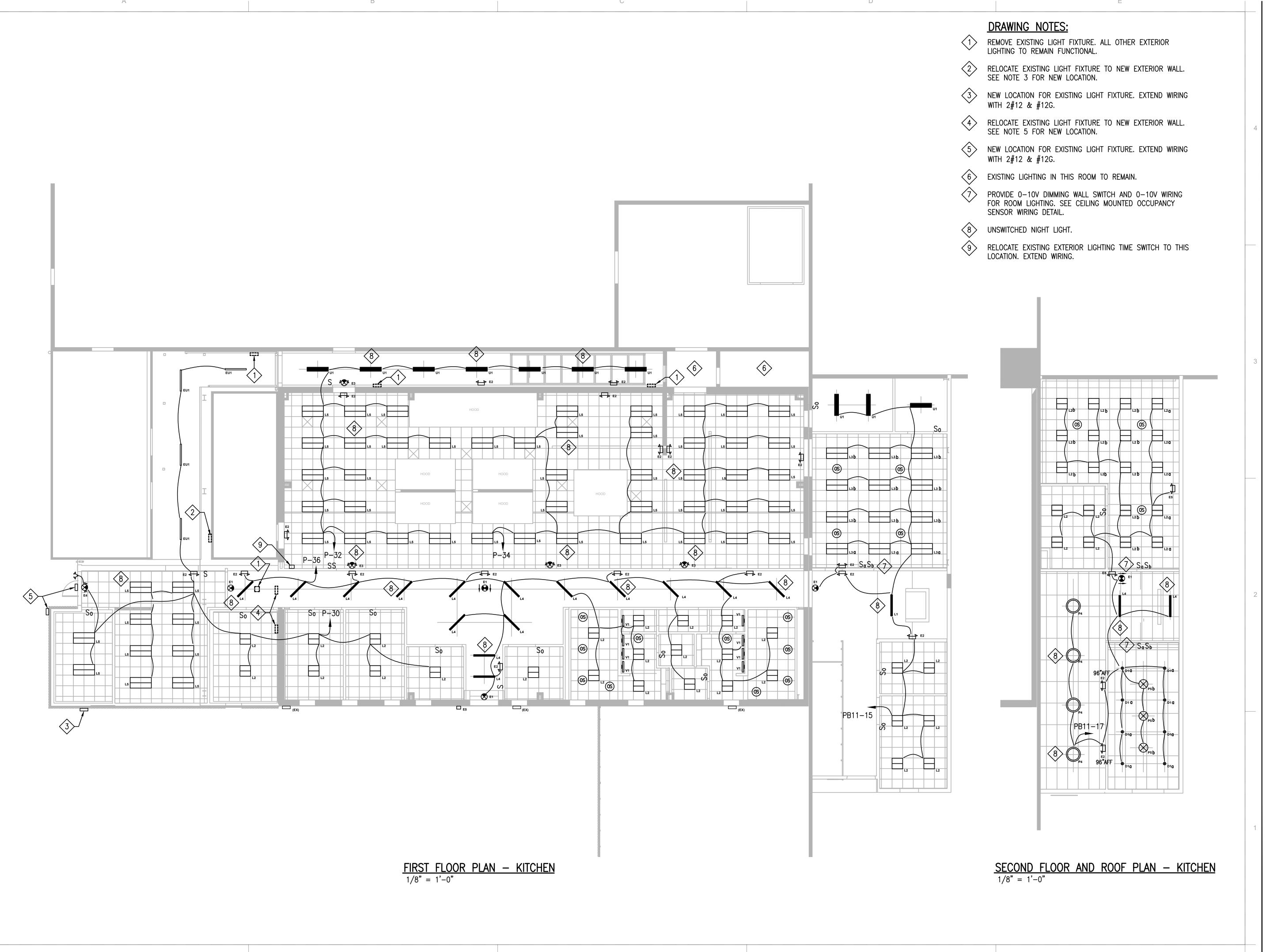
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SECOND FLOOR PLAN -OFFICE LIGHTING



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MEP ENGINEER:

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GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

INTERIOR DESIGN:

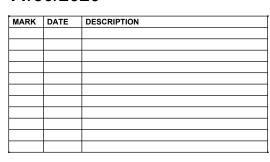
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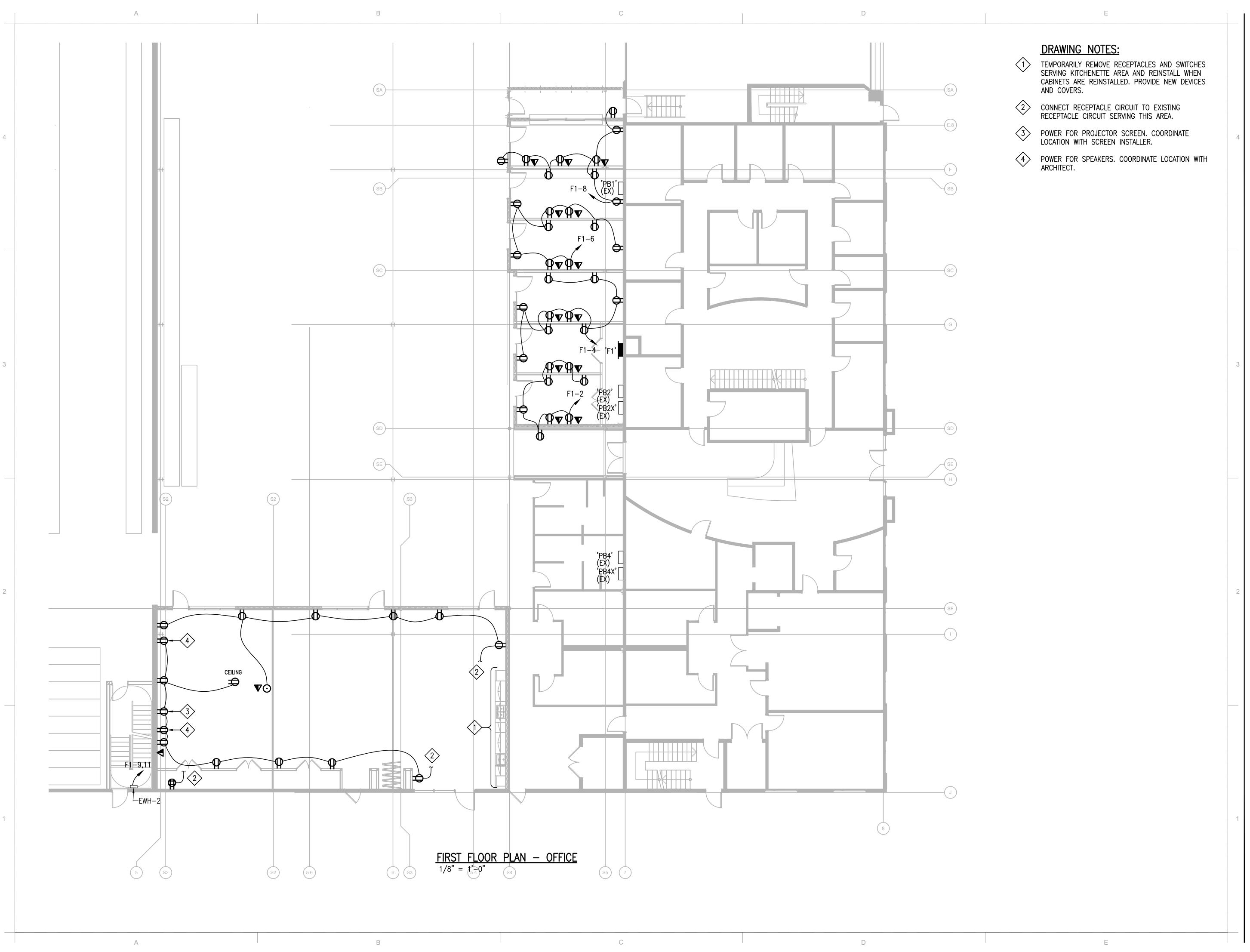
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FOR PERMIT

11/30/2020



FIRST & SECOND FLOOR PLAN - KITCHEN LIGHTING



pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

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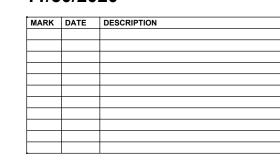
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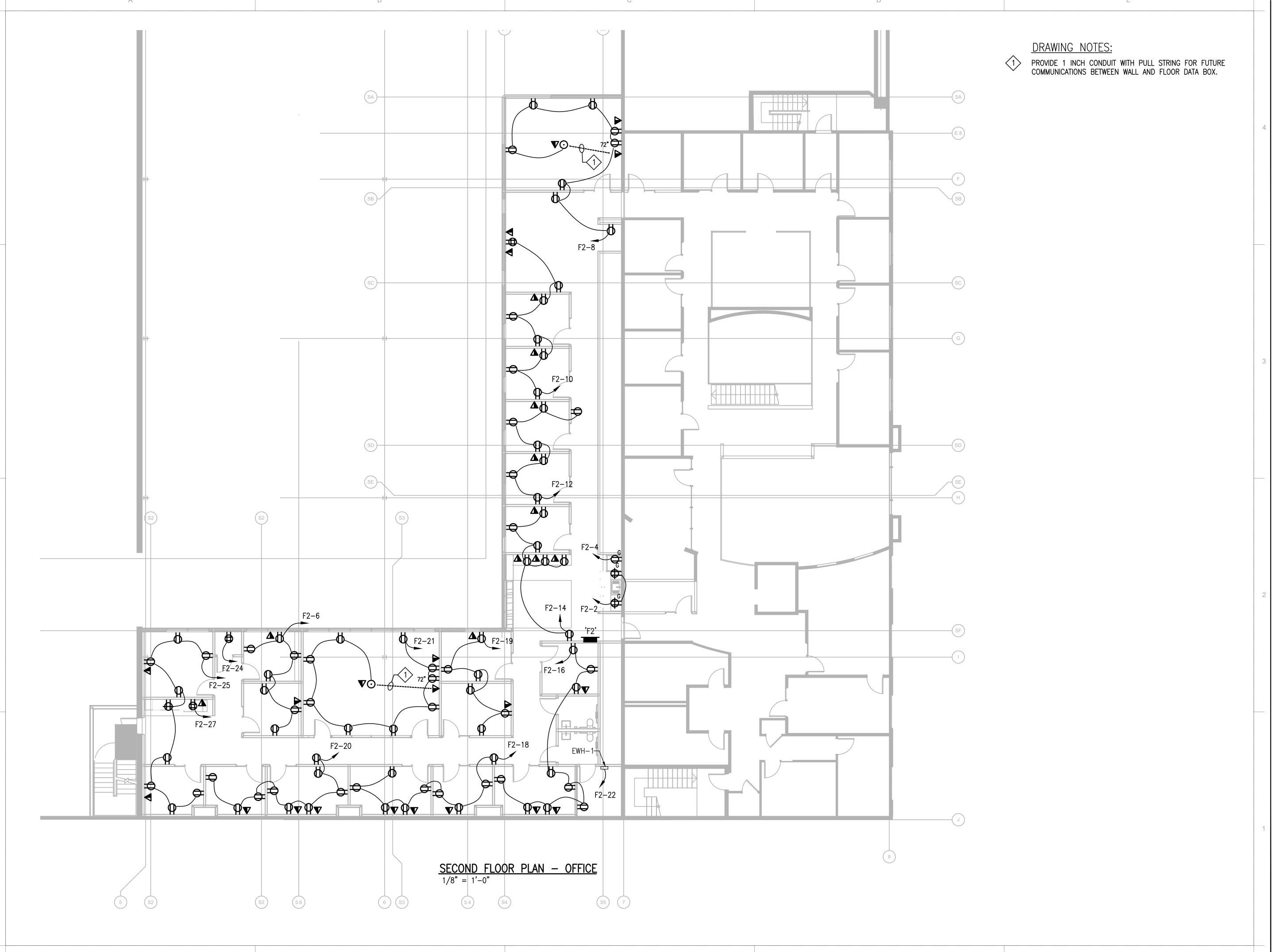
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FIRST FLOOR PLAN -OFFICE POWER



pavlina ilieva

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project name:

MARYLAND FOOD BANK

project number:

2006

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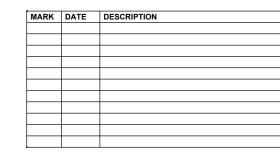
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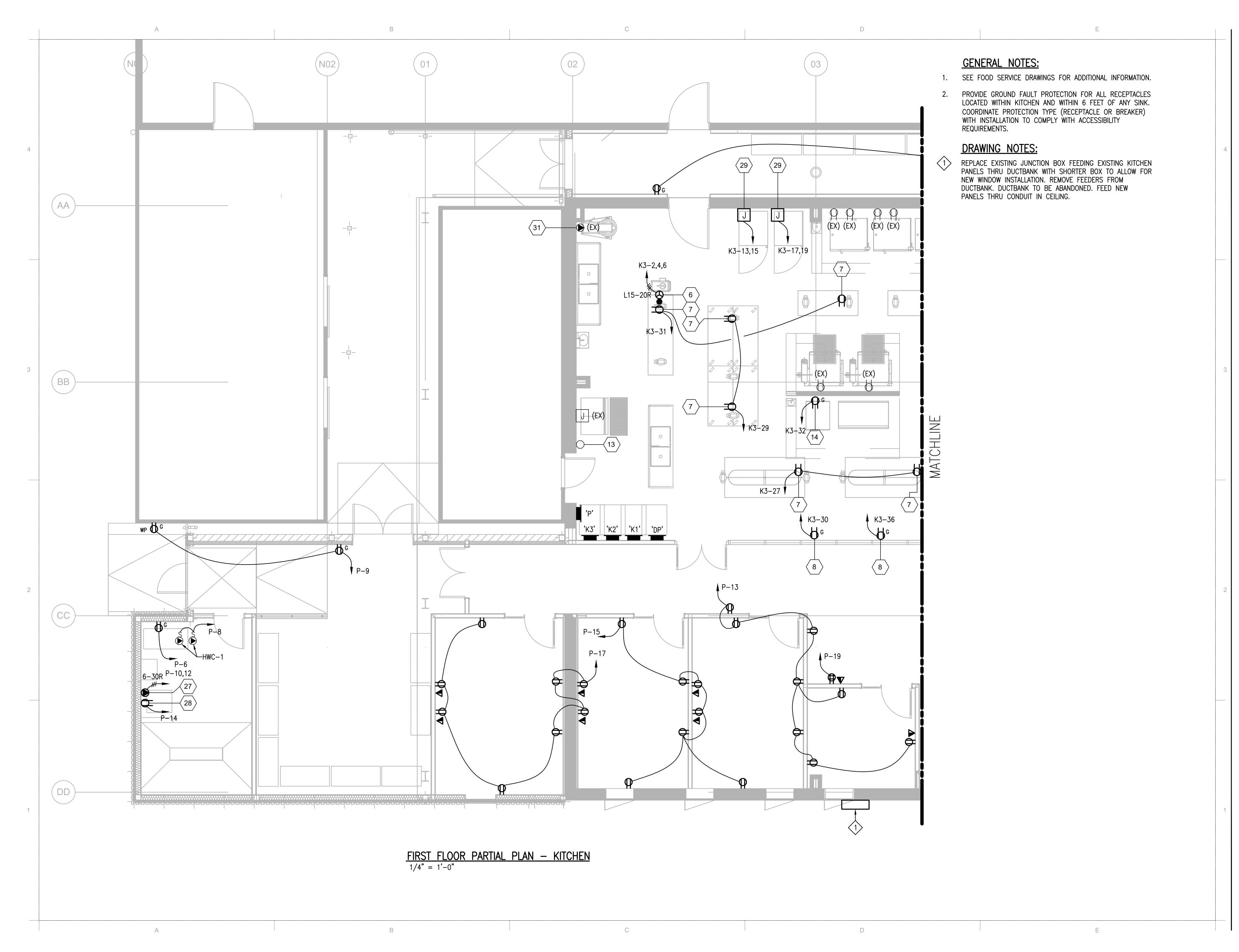
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SECOND FLOOR PLAN -OFFICE POWER



pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

dress:

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OWNER: MARYLAND FO

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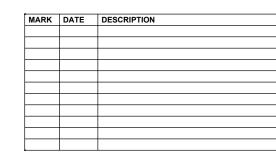
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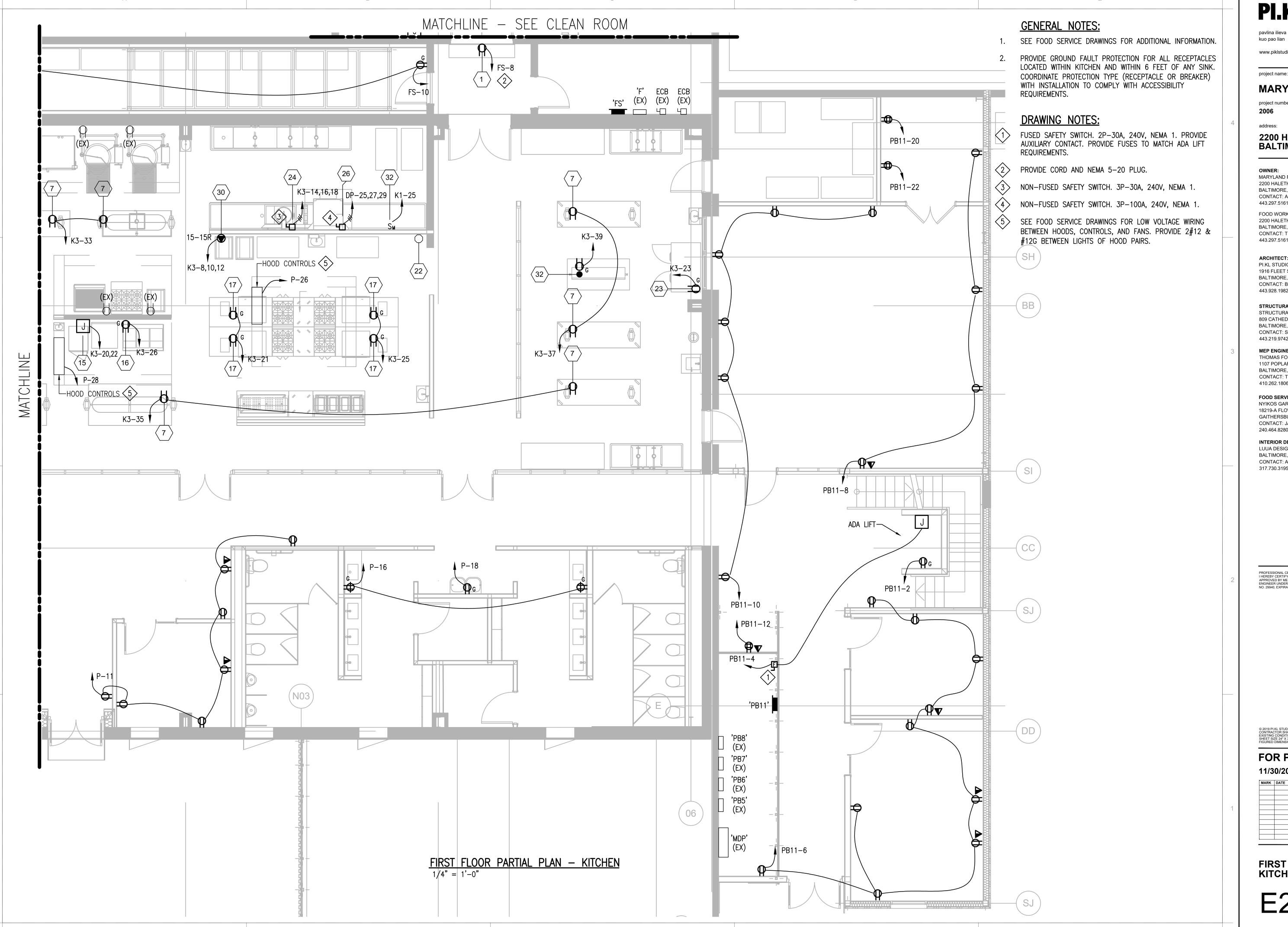
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FIRST FLOOR PLAN -KITCHEN POWER

E203A



pavlina ilieva

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

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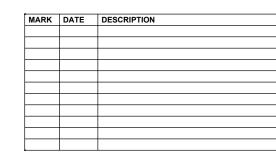
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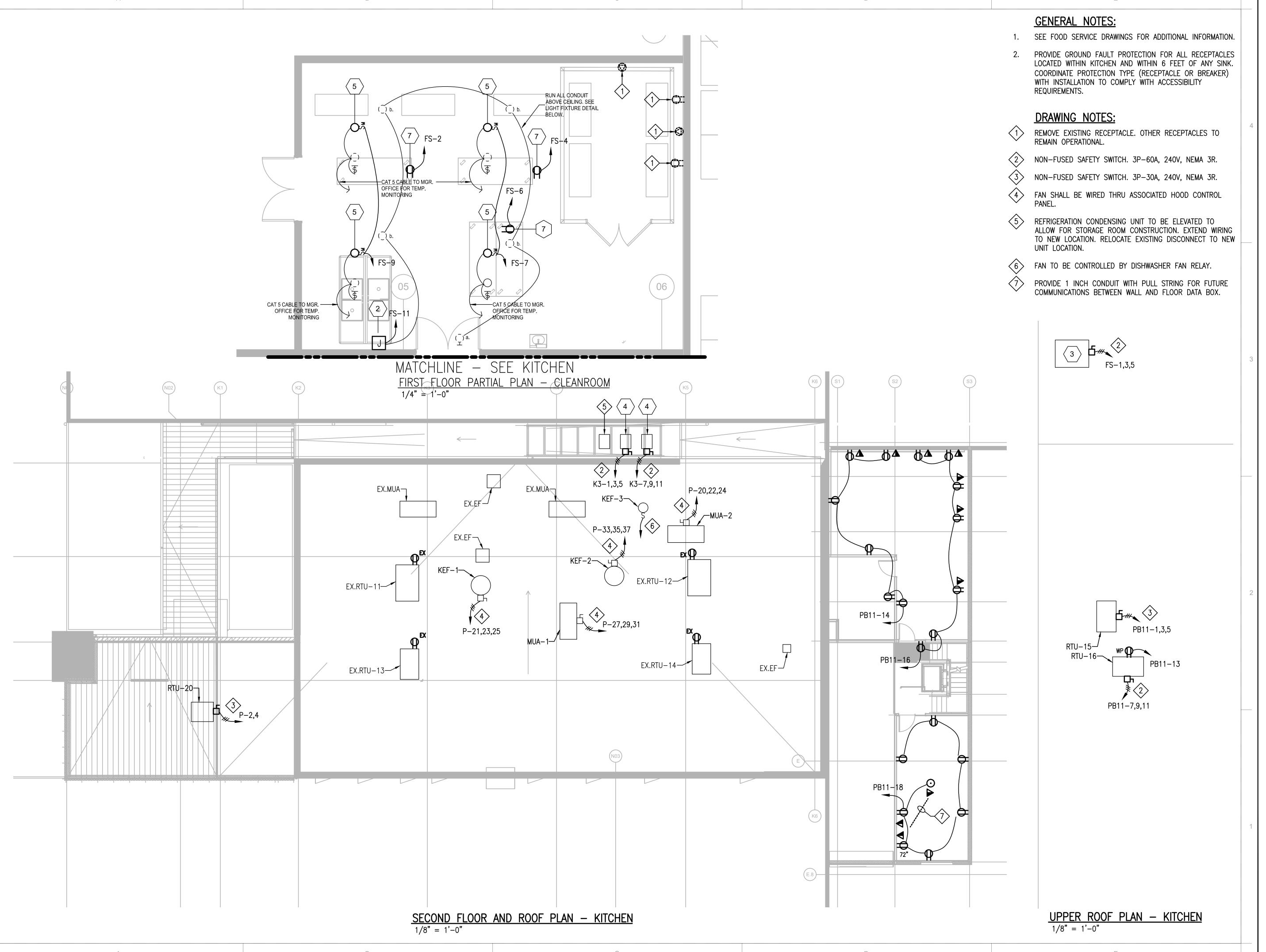
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FIRST FLOOR PLAN -KITCHEN POWER

E203B



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MARYLAND FOOD BANK

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project number:

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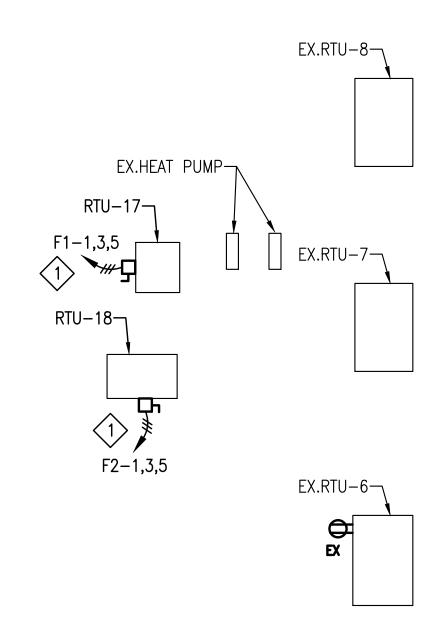
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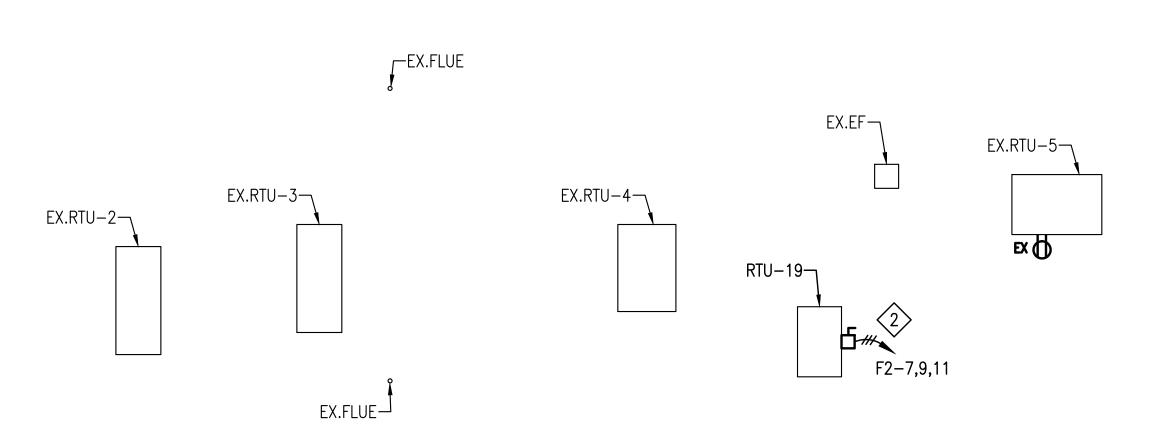
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kuo pao lian

11/30/2020

SECOND FLOOR PLAN -KITCHEN POWER





<u>ROOF PLAN - OFFICE</u> 1/8" = 1'-0"

DRAWING NOTES:

NON-FUSED SAFETY SWITCH. 3P-30A, 240V, NEMA 3R.

NON-FUSED SAFETY SWITCH. 3P-60A, 240V, NEMA 3R.

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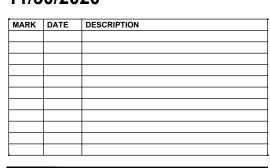
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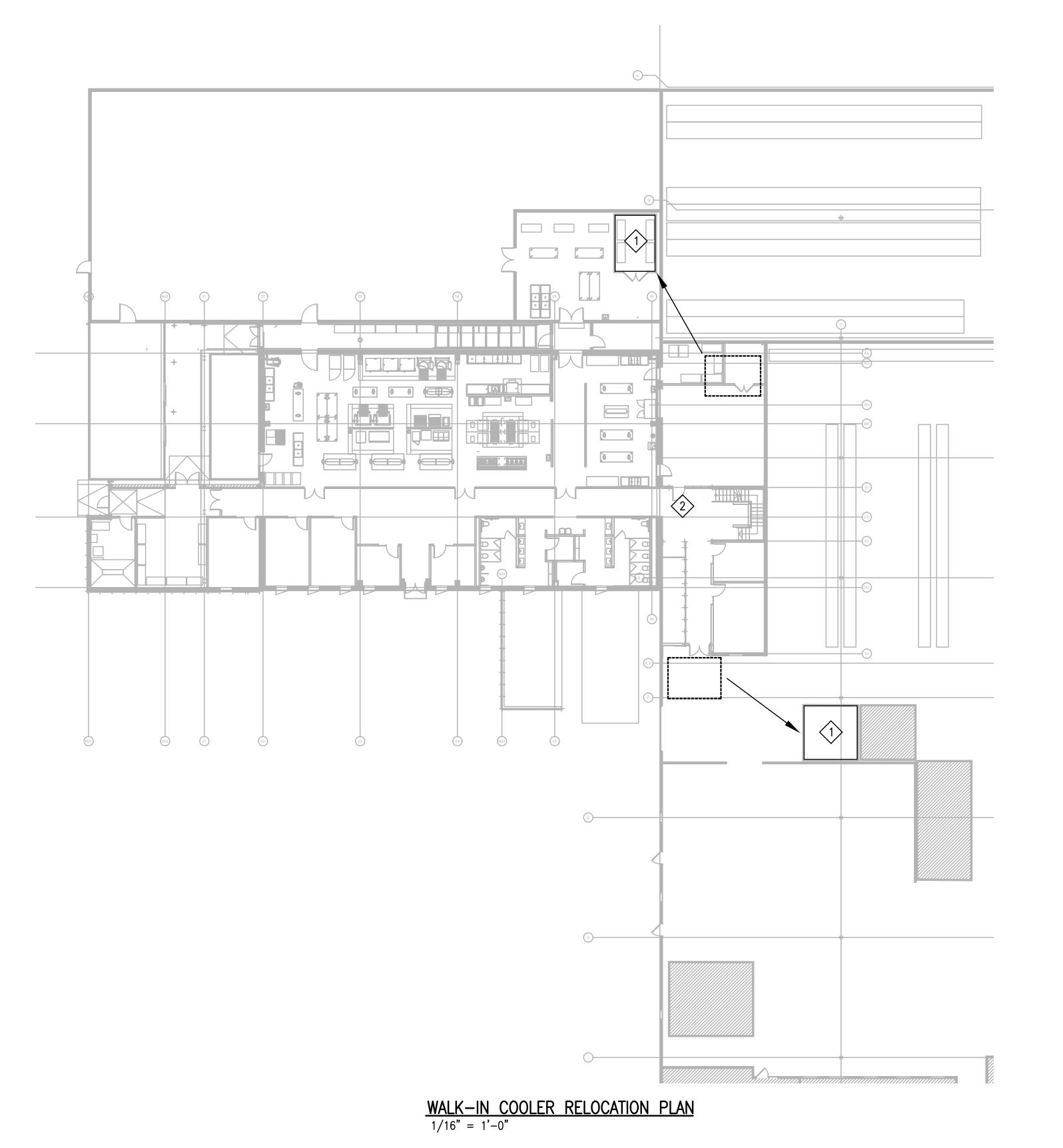
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ROOF PLAN - OFFICE AREA



1) EXISTING WALK—IN EQUIPMENT TO BE RELOCATED BY OWNER. RELOCATE AND EXTEND EXISTING POWER AND CONTROL WIRING INCLUDING RACEWAYS TO NEW LOCATION. VERIFY QUANTITIES AND TYPES IN FIELD.

CHARGING STATIONS INCLUDING ALL ASSOCIATED POWER WIRING TO BE RELOCATED BY OWNER.

PI.KL

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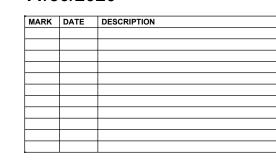
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WALK-IN COOLER RELOCATION PLAN

	VC WI	OWER PANEL: DP OLTS: 120/208 PHASE: 3 RE: 4 ICLOSURE NEMA: 1											MOUNTING: SURFACE BUS RATING: 600A MAIN OC DEVICE: MLO MINIMUM AIC: 42K	-
	C K T	DESCRIPTION	V-A	POLE	BRKR	,	A [3 (C	BRKR	POLE	V-A	DESCRIPTION	C K T
	1	RTU-11 - MOVE FROM DP-1,3,5	5900	3	60		•			60	3	5900	RTU-12 - MOVE FROM DP-2,4,6	2
	3	_	5900	_	_					-	1	5900	_	4
	5	_	5900	_	-			•		1	-	5900	_	6
-	7	RTU-13 - MOVE FROM DP-7,9,11	3100	3	35					35	3	3100	RTU-14 - MOVE FROM DP-8,10,12	8
	9	_	3100	_	_					_	-	3100	_	10
	11	_	3100	_	_			•		_	-	3100	_	12
	13	WALK-IN CONDENSER	3500	3	40	L				150	3	14900	PANEL P	14
	15	MOVE FROM DP-19,21,23	3500	_	_					-	_	16260	_	16
	17	_	3500	_	_			•		-	_	15200	_	18
-	19	WALK-IN CONDENSER	3500	3	40					150	3	6290	PANEL K1	20
	21	MOVE FROM DP-20,22,24	3500	_	_					-	_	5640	_	22
	23	_	3500	_	_			•		-	_	5380	_	24
	25	DISHWASHER	6200	3	70	<u> </u>				150	3		PANEL K2	26
	27	_	6200	_	_					-	_	13375	_	28
	29	_	6200	_	_			•		-	-	12010	_	30
	31		0							150	3		PANEL K3	32
	33		0							-	_	10660	_	34
	35		0					•		-	_	9490	_	36
	37		0				•					0		38
	39		0									0		40
	41		0					•	•			0		42
	COI	NNECTED LOAD (VA) PHASE A =	77465	T0	TAL C	CON	NECT	ED	LOA	AV D	=	227880	TOTAL DEMAND LOAD VA = 241	020
	COI	NNECTED LOAD (VA) PHASE B =	77135	TO	TAL	$\overline{\cap}$	NNF	^TF	D /	MDC		= 633	TOTAL DEMAND AMPS PER PHASE =	504

VO WIF	OWER PANEL: K1 OLTS: 120/208 PHASE: 3 RE: 4 OCLOSURE NEMA: 1											MOUNTING: SURFAC BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K	CE
C K T	DESCRIPTION	V-A	POLE	BRKR	<i>A</i>	۱ ۱	В (C	B R K R	POLE	V-A	DESCRIPTION	C K T
1	ICE MAKER	1200	2	15	•	•			20	1	1200	SKILLET - MOVE FROM K1-6,8	2 -
3	MOVE FROM K1-1,3	1200	_	_		•			_	-	0	SHUNT TRIP	4
5	60 QT MIXER	900	3	15					20	1	1200	RANGES - MOVE FROM K1-10,12	6 -
7	MOVE FROM K1-5,7,9	900	_	-	•	•			_	_	0	SHUNT TRIP	8
9	_	900	_	ı		•			20	1	1000	DOUBLE OVEN - FROM K1-14,16	10 -
11	WALK-IN CONDENSER	1300	3	15					_	_	0	SHUNT TRIP	12
13	MOVE FROM K1-23,25,27	1300	_	_	•)			20	1	1000	DOUBLE OVEN - FROM K1-18,20	14 -
15	_	1300	_	_		•			_	_	0	SHUNT TRIP	16
17	SOLENOID VALVE - FROM K1-35	200	1	20					20	1	1200	TILT SKILLET - FROM K1-22,24	18 -
19	HOOD EXHAUST FAN	2000	3	25	•	•			_	_	0	SHUNT TRIP	20
21	MOVE FROM K1-37,39,41	2000		ı		•			20	1	1200	TILT SKILLET - FROM K1-26,28	22 -
23	_	2000	_	-					_	-	0	SHUNT TRIP	24
25	DISHWASHER BOOSTER HEATER	500	1	15	•	•			20	1	1000	DOUBLE OVEN - FROM K1-40,42	26 -
27		0				•			_	-	0	SHUNT TRIP	28
29		0							20	1	400	WALK-IN EVAP - FROM K1-30	30 -
31		0			•	•					0		32
33		0				•					0		34
35		0									0		36
37		0			•	•					0		38
39		0									0		40
41		0									0		42

'	VO WII	OWER PANEL: P OLTS: 120/208 PHASE: 3 RE: 4 ICLOSURE NEMA: 1											MOUNTING: SURFACI BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K	E
C k T		DESCRIPTION	V-A	POLE	B R K R		A	В	C	BRKR	тооп	V-A	DESCRIPTION	C K T
- 1		TIMECLOCK - FROM P-17	200	1	20	,	•			20	2	1700	RTU-20	2
- 3)	ROOF RECEPT - FROM P-19	800	1	20		,	•		_	1	1700	_	4
- 5)	RESTRM EXHAUST FAN-FROM P-21	200	1	20					20	1	200	WATER HEATER	6
- 7	,	FIRE ALARM PANEL - FROM P-25	200	1	20		•			20	1	200	HOT WATER CIRC PUMPS	8
9)	REAR OUTDOOR RECEPT	400	1	20			•		30	2	2500	CLOTHES DRYER	10
1	1	OFFICE RECEPT	1400	1	20					-	-	2500	_	12
13	3	OFFICE RECEPT	1600	1	20	,	•			20	1	1500	CLOTHES WASHER	14
15	5	OFFICE RECEPT	1400	1	20			•		20	1	360	RESTROOM RECEPT	16
17	7	OFFICE RECEPT	1600	1	20					15	1	500	WATER COOLER	18
19	9	COPIER RECEPT	400	1	20	(<u> </u>			15	3	1000	MUA-2	20
2	1	KEF-1	2400	3	30		,	<u> </u>		_	-	1000	_	22
2	3	_	2400	_	_			-		_	ı	1000	_	24
25	5	_	2400	_	_	(<u> </u>			15	1	200	HOOD CONTROLS 1	26
27	7	MUA-1	1400	3	20		•	•		15	1	200	HOOD CONTROLS 2	28
29	9	_	1400	_	_					20	1	1600	OFFICE LIGHTS	30
3	1	_	1400	_	_	,	•			20	1	1700	KITCHEN LIGHTS	32
		KEF-2	2400	3	30		,	<u> </u>		20	1	1700	KITCHEN LIGHTS	34
35		_	2400	_	_			L		20	1	1200	OFFICE LIGHTS	36
37		_	2400	_	_	'	•					0		38
39			0				(•				0		40
4	1		0					•	<u> </u>			0		42
C	10	NNECTED LOAD (VA) PHASE A =	14900	TO	TAL (CON	NEC	TED	LOA	AD VA	=	47560	TOTAL DEMAND LOAD VA = 38	804

	VC WI	OWER PANEL: K2 LTS: 120/208 PHASE: 3 RE: 4 ICLOSURE NEMA: 1											MOUNTING: SURFACE BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K	<u> </u>	
	C K T	DESCRIPTION	V-A	POLE	BRKR	/	A E	3 (;	שאאמ	шпоч	V-A	DESCRIPTION	C K T	
$\langle 1 \rangle$	1	HOOD EXHAUST FAN	2000	3	25					30	3	2200	WALK-IN CONDENSER	2	-
V	3	MOVE FROM K2-43,45,47	2000	_	_		•	'		-	-	2200	MOVE FROM K2-44,46,48	4	
^	5	_	2000	-	1			•	1	-	-	2200	_	6	
(1)-	7	WALK-IN EVAP - FROM K2-49	1600	1	20					20	1	1000	DOUBLE OVEN - FROM K2-50,52	8	-
<u></u>	9	WALK-IN EVAP - FROM K2-51	1600	1	20		•			_	-	0	SHUNT-TRIP	10	
<u>(1)</u> -	11	HOOD LIGHTS - FROM K2-53	300	1	20			•		20	1	200	HOOD FIRE SYSTEM - FROM K2-54	12	
<u>(1)</u> -	13	HOOD LIGHTS - FROM K2-57	300	1	20	•				20	1	200	HOOD FIRE SYSTEM - FROM K2-56	14	-
<u></u>	15	RAPID PRODUCT CHILLER	1200	3	15		•			20	1	200	HOOD CONTROL PNL-FROM K2-58	16	 -
<u>(1)</u> -	17	MOVE FROM K2-61,63,65	1200	_	-			•		20	1	200	HOOD CONTROL PNL-FROM K2-60	18	-
^	19	_	1200	_	_	•				30	2	2200	WAREHOUSE COMPRESSOR	20	-
$\langle 1 \rangle$	21	POWER SOAK SINK	3700	2	40		•			-	-	2200	MOVE FROM K2-70,72	22	
^	23	MOVE FROM K2-67,69	3700	_	_			•		70	3	6400	OUTSIDE UNIT	24	-
<u></u>	25	FOOD WARMER - FROM K2-71	1500	1	20					-	-	6400	MOVE FROM K2-80,82,84	26	
<u>(1)</u> -	27	SKILLET - MOVE FROM K2-73,75	0	1	20		•			-	-	6400	_	28	
•	29	SHUNT TRIP	1200	_	_			•				0		30	
	31		0									0		32	
	33		0				•					0		34	
	35		0					•				0		36	
	37		0									0		38	
	39		0				•					0		40	
	41		0					•				0		42	
	COI	NNECTED LOAD (VA) PHASE A =	18600	T0	TAL C	ONN	IECT	ED	LOA	D VA	=	55500	TOTAL DEMAND LOAD VA = 36	075	
	COI	NNECTED LOAD (VA) PHASE B =	19500	TC	TAL	CON	INE	CTE) A	MPS		= 154	TOTAL DEMAND AMPS PER PHASE =	100	
	COI	NNECTED LOAD (VA) PHASE C =	17400												

1 RE-FEED EXISTING EQUIPMENT FROM NEW PANEL.

2 PROVIDE GFCI BREAKER.

CONDUIT AND WIRE SIZE SCHEDULE

1 OR 2 POLE CONDUIT 3 POLE CONDUIT

3/4" 3/4"

1" | 1-1/4"

1-1/4" 1-1/4"

UNLESS OTHERWISE INDICATED

12 12 3/4" 3/4"

12 12 3/4" 3/4"

10 10 3/4" 3/4"

8 | 4 | 1-1/4" | 1-1/4"

8 3 1-1/4" 1-1/4"

10 3/4" 3/4"

3/4"

1"

1"

GROUND WIRE SIZE

10 8

10 8

10 6

NOTE: GROUND AND WIRE SIZE SHALL BE INCREASED BY ONE SIZE FOR CIRCUIT LENGTHS OVER 100 FEET

BREAKER TRIP AMPS

15

25

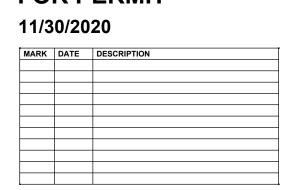
30

35

45

90

© 2019 PI.KL STUDIO, LLC CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. SHEET SIZE 24" X 36". NOT TO SCALE AT OTHER SHEET SIZES. USE FIGURED DIMENSIONS ONLY, DO NOT SCALE FROM DRAWINGS. **FOR PERMIT**



SCHEDULES

E301

FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org ARCHITECT: PI.KL STUDIO, LLC 1916 FLEET ST BALTIMORE, MD 21231 CONTACT: BRIAN BAKSA 443.928.1982 / BRIAN@PIKLSTUDIO.COM STRUCTURAL ENGINEER: STRUCTURA 809 CATHEDRAL STREET BALTIMORE, MD 21201 CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYS@STRUCTURA-INC MEP ENGINEER: THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.CC	BALTIMORE, N CONTACT: AD	RPE FARMS RD D 21227	ı
PI.KL STUDIO, LLC 1916 FLEET ST BALTIMORE, MD 21231 CONTACT: BRIAN BAKSA 443.928.1982 / BRIAN@PIKLSTUDIO.COM STRUCTURAL ENGINEER: STRUCTURA 809 CATHEDRAL STREET BALTIMORE, MD 21201 CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYES@STRUCTURA-INC MEP ENGINEER: THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL	FOOD WORKS 2200 HALETHO BALTIMORE, M CONTACT: TIM	RPE FARMS RD D 21227 REGAN	
STRUCTURA 809 CATHEDRAL STREET BALTIMORE, MD 21201 CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYES@STRUCTURA-INC MEP ENGINEER: THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL	PI.KL STUDIO, 1916 FLEET ST BALTIMORE, M CONTACT: BR	D 21231 AN BAKSA	ОМ
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NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL	THOMAS FOUI 1107 POPLAR BALTIMORE, M CONTACT: TH	KES, LLC HILL ROAD D DMAS FOULKES	S.COM
LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL	NYIKOS GARC 18219-A FLOW GAITHERSBUF CONTACT: JAY	A ER HILL WAY G, MD 20879 GARCIA	RCIA.COM
	INTERIOR DES LUUA DESIGN BALTIMORE, M CONTACT: AN	IGN: D NE STAHL	
	PROFESSIONAL CER	IFICATION: IAT THESE DOCUMENTS WERE PR ID THAT I AM A DULY LICENSED PI E LAWS OF THE STATE OF MARYL	ROFESSIONAL

PI.KL

www.piklstudio.com

MARYLAND FOOD BANK

pavlina ilieva kuo pao lian

project name:

project number:

VO WII	OWER PANEL: K3 OLTS: 120/208 PHASE: 3 RE: 4 ICLOSURE NEMA: 1											MOUNTING: SURFA BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K	ACE
C K T	DESCRIPTION	V-A	POLE	BRKR		A	В	C	BRKR	POLE	V-A	DESCRIPTION	C K T
1	BLAST CHILLER COND UNIT E8A	3200	3	40		•			20	3	900	VEGETABLE CHOPPER E16	2
3	-	3200	-	-			•		_	-	900	_	4
5	_	3200	-	-			١,	•	_	-	900	-	6
7	BLAST CHILLER COND UNIT E81	3200	3	40		•			15	3	600	MIXER 30QT E4	8
9	-	3200	-	-			•		_	-	600	-	10
11	-	3200	_	-				•	_	_	600	-	12
13	BLAST CHILLER INDOOR UNIT E61	1200	2	15		•			15	3	1100	SCRAP COLLECTOR E50	14
15	-	1200	-	-			•		_	-	1100	-	16
17	BLAST CHILLER INDOOR UNIT E61	1200	2	15			1	•	_	-	1100	-	18
19	-	1200	-	-		•			40	2	4400	SMOKER OVEN E28	20
21	UNDERCOUNTER REF E35	800	1	20			•		_	_	4400	-	22
23	UNDERCOUNTER REF E45	1200	1	20				•	_	-	0	SHUNT TRIP	24
25	UNDERCOUNTER REF E35	800	1	20		•			20	1	1000	FRYER E30	26
27	CORD REEL 1	400	1	20			•		_	-	0	SHUNT TRIP	28
29	CORD REEL 2	400	1	20			1	•	20	1	1200	TRAY LIDDER E22	30
31	CORD REEL 3	400	1	20		•			20	1	500	REACH IN REFRIGERATOR E27	32
33	CORD REEL 4	400	1	20			•		_	-	0	SHUNT TRIP	34
35	CORD REEL 5	400	1	20			1	•	20	1	1200	TRAY LIDDER E22	36
37	CORD REEL 6	400	1	20		•					0		38
39	DEMONSTRATION DESK RECEPT	200	1	20			•				0		40
41		0					1	•			0		42
100	NNECTED LOAD (VA) PHASE A =	18900	ТО	TAL (CON	NEC	TED	LOA	AD VA	=	49900	TOTAL DEMAND LOAD VA =	32435

) A N I I					וווח			
				AINI ——	<u>-</u> _		<u></u>	7E —	DUL	.C.		
VC WI	OWER PANEL: F1 OLTS: 120/208 PHASE: 3 RE: 4 ICLOSURE NEMA: 1											MOUNTING: SURFACE BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K
CKT	DESCRIPTION	V-A	POLE	BRKR	,	Д	B	С	B R K R	POLE	V-A	DESCRIPTION C K
1	RTU-17	1700	3	20					20	1	1440	OFFICE RECEPT 2
3	_	1700	_	_					20	1	1620	OFFICE RECEPT 4
5	_	1700	_	_				•	20	1	1620	OFFICE RECEPT 6
7	SPARE	0	1	20					20	1	1620	OFFICE RECEPT 8
9	STAIR HEATER	1500	2	20					20	1	1000	OFFICE LIGHTS 10
11	_	1500	_	-				•			0	12
13		0									0	14
15		0				L					0	16
17		0						<u> </u>			0	18
19		0									0	20
21		0				L					0	22
23		0						<u> </u>			0	24
25		0									0	26
27		0				-					0	28
29		0						•			0	30
31		0									0	32
33		0				_ •					0	34
35		0						•			0	36
37		0									0	38
39		0				(0	40
41		0						•			0	42
COI	NNECTED LOAD (VA) PHASE A =	4760	T0	TAL C	ONI	NEC	ΓED	LO	AD VA	=	15400	TOTAL DEMAND LOAD VA = 12320
COI	NNECTED LOAD (VA) PHASE B =	5820	TC	TAL	COI	NNE	CTE	ΞD	AMPS		= 43	TOTAL DEMAND AMPS PER PHASE = 34
COI	NNECTED LOAD (VA) PHASE C =	4820										

VC	OWER PANEL: PB11 DLTS: 120/208 PHASE: 3		F	PAN	EL	S	CH	HEI	DUL	E		MOUNTING: SURFACE BUS RATING: 225A
	RE: 4 ICLOSURE NEMA: 1											MAIN OC DEVICE: MLO MINIMUM AIC: 22K
C K T	DESCRIPTION	V-A	P O L E	B R K R	,	Δ	В	C	BRKR	РОШ	V-A	DESCRIPTION K
1	RTU-15	2500	3	30					20	1	180	LIFT SHAFT RECEPT 2
3	-	2500	-	_		,	•		20	1	1200	LIFT POWER 4
5	-	2500	-	_				•	20	1	1800	FIRST FLOOR OFFICE RECEPT 6
7	RTU-16	3100	3	35					20	1	1080	CLASSROOM RECEPT 8
9	-	3100	-	_		-	•		20	1	1080	CLASSROOM RECEPT 10
11	-	3100	-	_				•	20	1	500	COPIER RECEPT 12
13	ROOF RECEPTACLE	180	1	20					20	1	1080	COMPUTER LAB RECEPT 14
15	FIRST FLOOR LIGHTS	1500	1	20		-	•		20	1	1260	COMPUTER LAB RECEPT 16
17	SECOND FLOOR LIGHTS	1500	1	20				•	20	1	1260	SECOND CONF ROOM RECEPT 18
19		0			•				20	1	400	CLASSROOM STORAGE QUAD 20
21		0				•	•		20	1	400	CLASSROOM STORAGE QUAD 22
23		0						•			0	24
25		0									0	26
27		0				•	•				0	28
29		0						•			0	30
31		0									0	32
33		0				•	•				0	34
35		0						•			0	36
37		0									0	38
39		0				•	•				0	40
41		0						•			0	42
COI	NNECTED LOAD (VA) PHASE A =	8520	TO	TAL (CONN	NEC.	TED	LO	AD VA	=	30220	TOTAL DEMAND LOAD VA = 2417
COI	NNECTED LOAD (VA) PHASE B =	11040	TC	TAL	CON	NNE	CTE	ED .	AMPS		= 84	TOTAL DEMAND AMPS PER PHASE = 6
COI	NNECTED LOAD (VA) PHASE C =	10660										1

		P	PANI	ΞL	S	CH	ΗEI	DUL	E.			
POWER PANEL: F2 VOLTS: 120/208 PHASE: 3 WIRE: 4 ENCLOSURE NEMA: 1											MOUNTING: SURFAC BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K	E
C K DESCRIPTION	V-A	ФОПШ	BRKR	<i>H</i>	4	В	С	BRKR	POLE	V-A	DESCRIPTION	C K T
1 RTU-18	2400	3	30	•				20	1	400	KITCHENETTE COUNTER	2
3 –	2400	ı	_		1	•		20	1	500	KITCHENETTE REFRIG	4
5 –	2400	ı	-				•	20	1	400	IT CLOSET QUAD	6
7 RTU-19	3500	3	45	•				20	1	1440	NORTH CONF ROOM	8
9 –	3500	ı	ı		4	•		20	1	1620	NORTH OFFICES RECEPT	10
11 -	3500	ı	-					20	1	1260	NORTH OFFICES RECEPT	12
13 OFFICE LIGHTS	1200	1	20	•				20	1	1260	NORTH OFFICES RECEPT	14
15 OFFICE LIGHTS	1200	1	20		1	•		20	1	1620	SOUTH OFFICES RECEPT	16
17 OFFICE LIGHTS	1200	1	20			_ (20	1	1620	SOUTH OFFICES RECEPT	18
19 SOUTH OFFICE RECEPT	1080	1	20	•				20	1	1620	SOUTH OFFICES RECEPT	20
21 LARGE CONF ROOM RECEPT	1620	1	20		,	•		20	1	1500	UTILITY ROOM HEATER	22
23 WEST OFFICES RECEPT	1260	1	20									24
25 WEST OFFICES RECEPT	1620	1	20	•						0		26
27 COPIER	500	1	20		4	•				0		28
29	0									0		30
31	0			•						0		32
33	0				,	•				0		34
35	0					-	•			0		36
37	0									0		38
39	0				1	•				0		40
41	0					(0		42
CONNECTED LOAD (VA) PHASE A =	14520	TO	TAL C	ONN	IEC	TED	LOA	D VA	=	40620	TOTAL DEMAND LOAD VA = 33	2496
CONNECTED LOAD (VA) PHASE B =	14460	TO	TAL	CON	INE	CTE	D .	AMPS		= 113	TOTAL DEMAND AMPS PER PHASE =	90
CONNECTED LOAD (VA) PHASE C =	11640										•	

PROVIDE GFCI BREAKER.

2 PROVIDE PERMANENT BREAKER LOCK OFF DEVICE.

PI.KL

pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2006

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

OWNER:

MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: ADRIA ACETO 443.297.5161 / aaceto@mdfoodbank.org

FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org

ARCHITECT: PI.KL STUDIO, LLC 1916 FLEET ST BALTIMORE, MD 21231 CONTACT: BRIAN BAKSA 443.928.1982 / BRIAN@PIKLSTUDIO.COM

STRUCTURAL ENGINEER: STRUCTURA 809 CATHEDRAL STREET

BALTIMORE, MD 21201 CONTACT: SEAN JEFFREYS 443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM

MEP ENGINEER: THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD

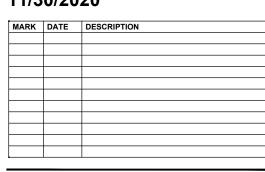
CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM FOOD SERVICE DESIGN: NYIKOS GARCIA

18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN:

LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE
NO. 29940, EXPIRATION DATE: 01/12/22.

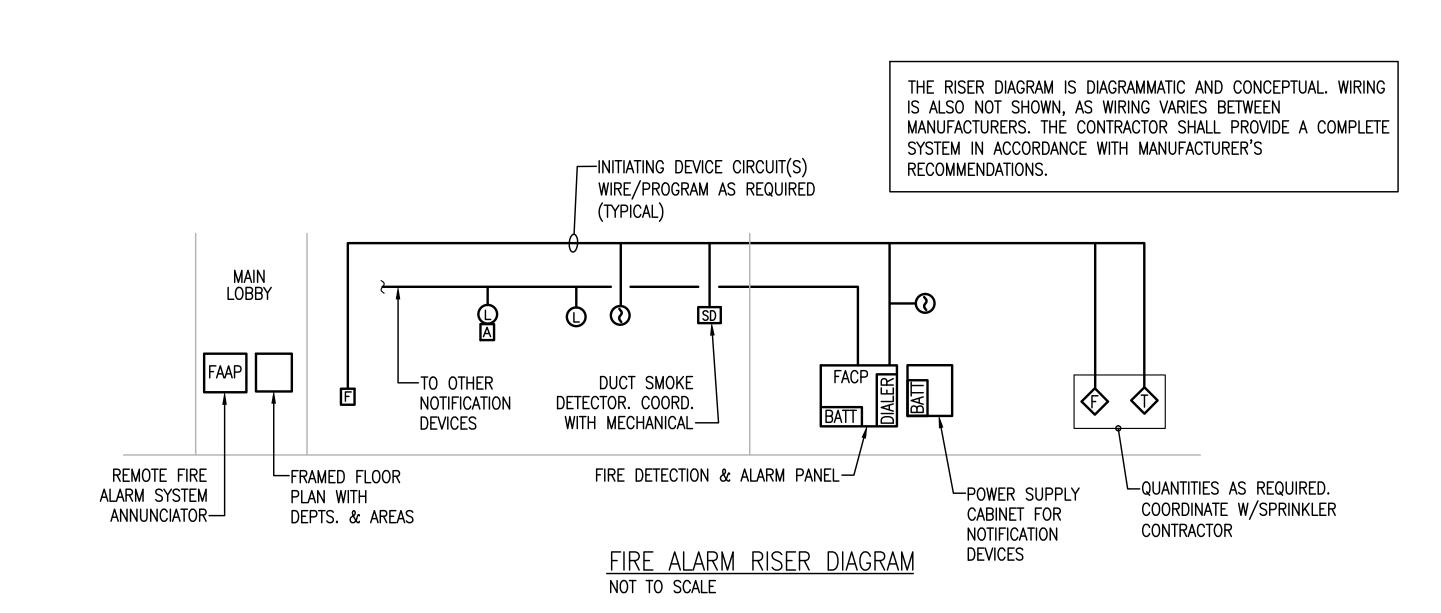
FOR PERMIT 11/30/2020



SCHEDULES

DRAWING NOTES: PROVIDE GFCI BREAKER.

VO WII	WER PANEL: FS LTS: 120/208 PHASE: 3 RE: 4 CLOSURE NEMA: 1											MOUNTING: SURFACE BUS RATING: 225A MAIN OC DEVICE: MLO MINIMUM AIC: 22K
C K T	DESCRIPTION	V-A	POLE	BRKR	,	A	В	C	BRKR	топ	V-A	DESCRIPTION (
1	CLEAN RM COOLING COMPRESSORS	4600	3	50	•	•			20	1	200	CLEAN ROOM CORD REEL 1 2
3	_	4600	-	_		1	•		20	1	200	CLEAN ROOM CORD REEL 2
5	_	4600	_	_			•	•	20	1	200	CLEAN ROOM CORD REEL 3
7	CLEAN RM COOLING FANS	600	1	15					20	1	500	CLEAN ROOM AIR CURTAIN 8
9	CLEAN RM COOLING FANS	600	1	15		•	•		20	1	400	DRY STORAGE RECEPT 1
11	CLEAN ROOM LIGHTS AND DR HEAT	200	1	20			•	•			0	1.
3		0			•	•					0	1.
15		0				_	•				0	1
17		0					<u> </u>	•			0	1.
9		0			•						0	2
21		0					<u>•</u>				0	2
23		0					•	•			0	2
25		0			•	•					0	2
27		0				L	<u>•</u>				0	2
29		0					<u> </u>	•			0	3
31		0			•						0	3
33		0				Ľ	<u> </u>				0	3
35		0					<u> </u>	•			0	3
37		0			•	•	_				0	3
39		0				(•				0	4
41		0					•	•			0	4



		LIGHT FIXTURE SCHEDULE			
TYPE	DESCRIPTION	MAKE/MODEL	LAMP TYPE	VOLTAGE	NOTES
D1	DOWNLIGHT	LIGHTOLIER 4RN WITH C4L10835WZ10U AND TRIM	11W LED	120	
L1	RECESSED LINEAR	AXIS LIGHTING TB3DLED-500-80-35-S0-4-W-UNV-DP	20W LED	120	
L2	2X2 OFFICE	PHILIPS 2EVG30L835-2-D-UNV-DIM	25W LED	120	
L3	2X4 OFFICE	PHILIPS 2EVG34L835-4-D-UNV-DIM	41LED	120	
L4	LINEAR PENDANT	ACUITY S4LD 4FT MSL4 80CRI TUWH PROR 400LMF DARK MLT MVOLT	13W LED	120	
L5	2X4 KITCHEN	LITHONIA CPANL 2X4 40/50/60LM 40K M2	42W LED	120	
L6	COVE LINEAR SURFACE	AXIS LIGHTING GPSLED-EX-300-80-35-FLW-UNV-DP-1	13W LED	120	
P1	PENDANT 1	BLU DOT BOBBER LED PENDANT	42W LED	120	LARGE OPTION, MUSTARD, PROVIDE BULB
P2	PENDANT 2	MUUTO GRAIN PENDANT	E26	120	DUSTY GREEN FINISH, PROVIDE LED BULB
Р3	PENDANT 3	MUUTO UNDER THE BELT PENDANT	E26	120	PROVIDE LED BULB
P4	PENDANT 4	HI LITE WAREHOUSE SHADE PENDANT	E26	120	PROVIDE LED BULB
P5	PENDANT 5	UTTERMOST HOLGATE PENDANT	E26	120	PROVIDE LED BULB
U1	UTILITY PENDANT	RAB GUS4-36YNW/D10	36W LED	120	SUSPEND BY CHAINS
U2	UTILITY SURFACE	RAB GUS4-36YNW/D10	36W LED	120	
EU1	DAMP LOCATION UTILITY STRIP	LITHONIA CLX L48 4000LM SEF RDL MVOLT GZ10 30K 80CRI MSDPDT7	28W LED	120	WITH OCCUPANCY SENSOR
V1	RESTROOM VANITY	LIGHTOLOGY KZC657959	13W LED	120	
E1	EDGE LIT EXIT SIGN	LITHONIA LRP ELN	5W LED	120	WITH BATTERY BACKUP
E2	WHITE EMERGENCY LIGHT	LITHONIA ELM4L	LED	120	WITH BATTERY BACKUP
E3	WHITE COMBO EXIT AND EMERGENCY	LITHONIA LHQMLED	5W LED	120	WITH BATTERY BACKUP
E4	WHITE COMBINATION EXIT AND EMERGENCY WITH REMOTE HEADS	LITHONIA LHQMLED_HO WITH ELA-T-QWP-L0309	5W LED	120	WITH BATTERY BACKUP
E5	EXTERIOR EMERGENCY LIGHT	LITHONIA AFFOEL DNAXD UVOLT LTP SDRT WT CW	LED	120	WITH BATTERY BACKUP

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project name:

MARYLAND FOOD BANK

project number: 2006

2200 HALETHORPE FARMS, RD **BALTIMORE**, MD 21227

OWNER:

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NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

FOOD SERVICE DESIGN:

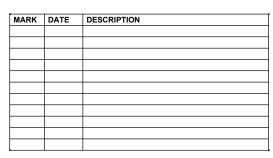
INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

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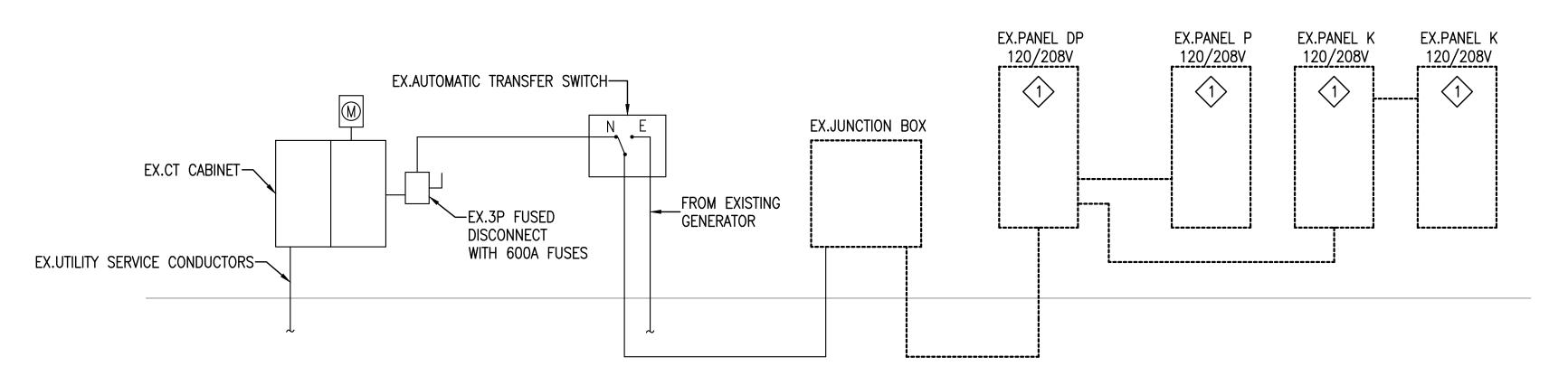
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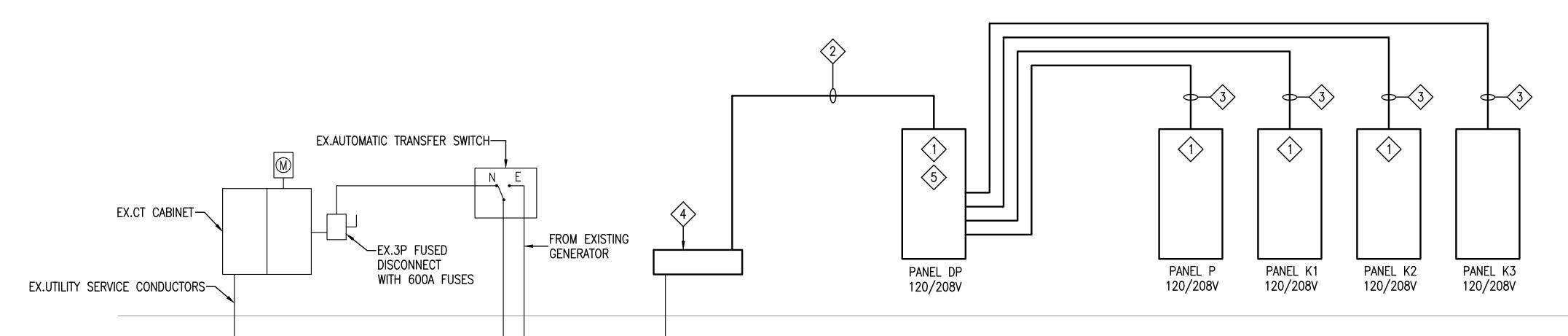
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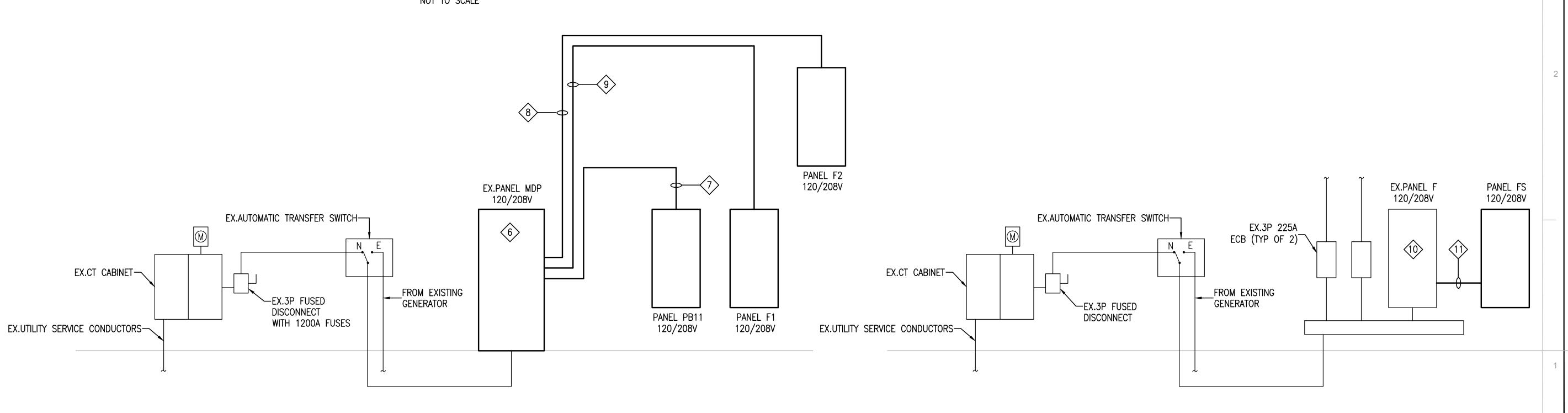
SCHEDULES



POWER RISER DIAGRAM - KITCHEN DEMOLITION NOT TO SCALE



POWER RISER DIAGRAM - KITCHEN NEW WORK NOT TO SCALE



POWER RISER DIAGRAM (PARTIAL) - OFFICE NEW WORK NOT TO SCALE

POWER RISER DIAGRAM - FREEZER NOT TO SCALE

DRAWING NOTES:

- REPLACE EXISTING PANELS WITH NEW PANELS IN NEW LOCATION. EXTEND EXISTING CIRCUITS TO REMAIN TO NEW PANEL LOCATIONS. SEE PANEL SCHEDULES.
- 2 SETS OF 4#350 & #1G IN 3"C
- 4#1/0 & #6G IN 2"C
- REPLACE EXISTING JUNCTION BOX WITH NEW NEMA 4X JB.
- EXTEND EXISTING GROUNDING CONDUCTOR TO NEW PANEL LOCATION. VERIFY INSTALLATION MEETS NEC REQUIREMENTS.
- PROVIDE 3P 125A BREAKER IN SPACE. TYPICAL OF 2.
- 4#2 & #6G IN 1-1/2°C.
- 4#3/0 & #6G IN 2"C. APPROXIMATELY 450 FT.
- 4#3/0 & #6G IN 2"C. APPROXIMATELY 400 FT.
- RELOCATE 1P 20A BREAKER IN SPACE 23 TO SPACE 42. REMOVE 2P 30A BREAKER IN SPACE 19,21 FORMERLY SERVING CLEAN ROOM HVAC SYSTEM. PROVIDE 3P 100A BREAKER IN SPACE 19, 21, 23 TO FEED NEW SUB-PANEL.
- (11) 4#3 & #8G IN 1-1/2"C

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INTERIOR DESIGN: LUUA DESIGN

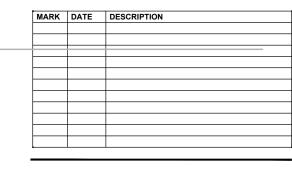
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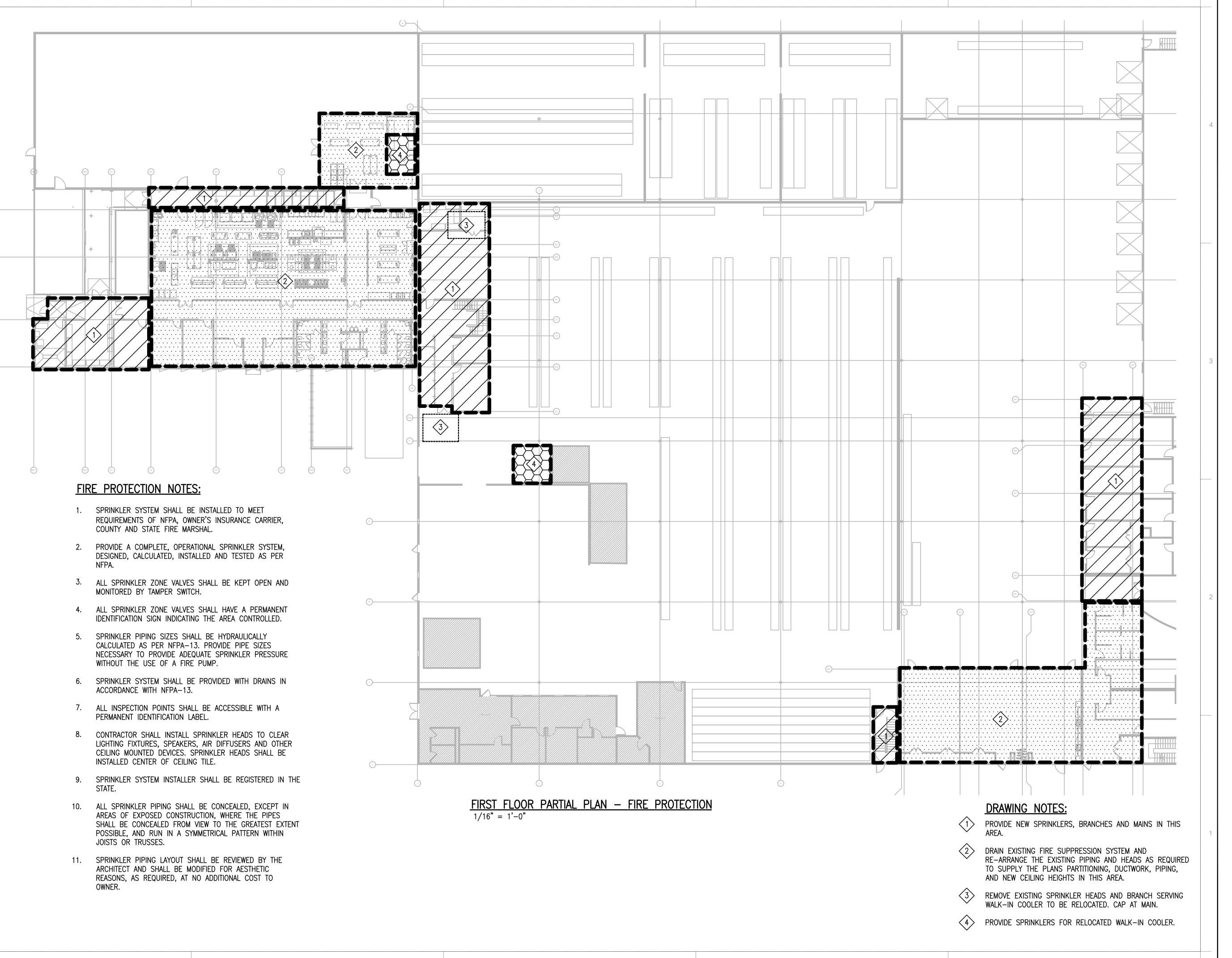
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RISER DIAGRAMS



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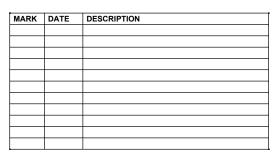
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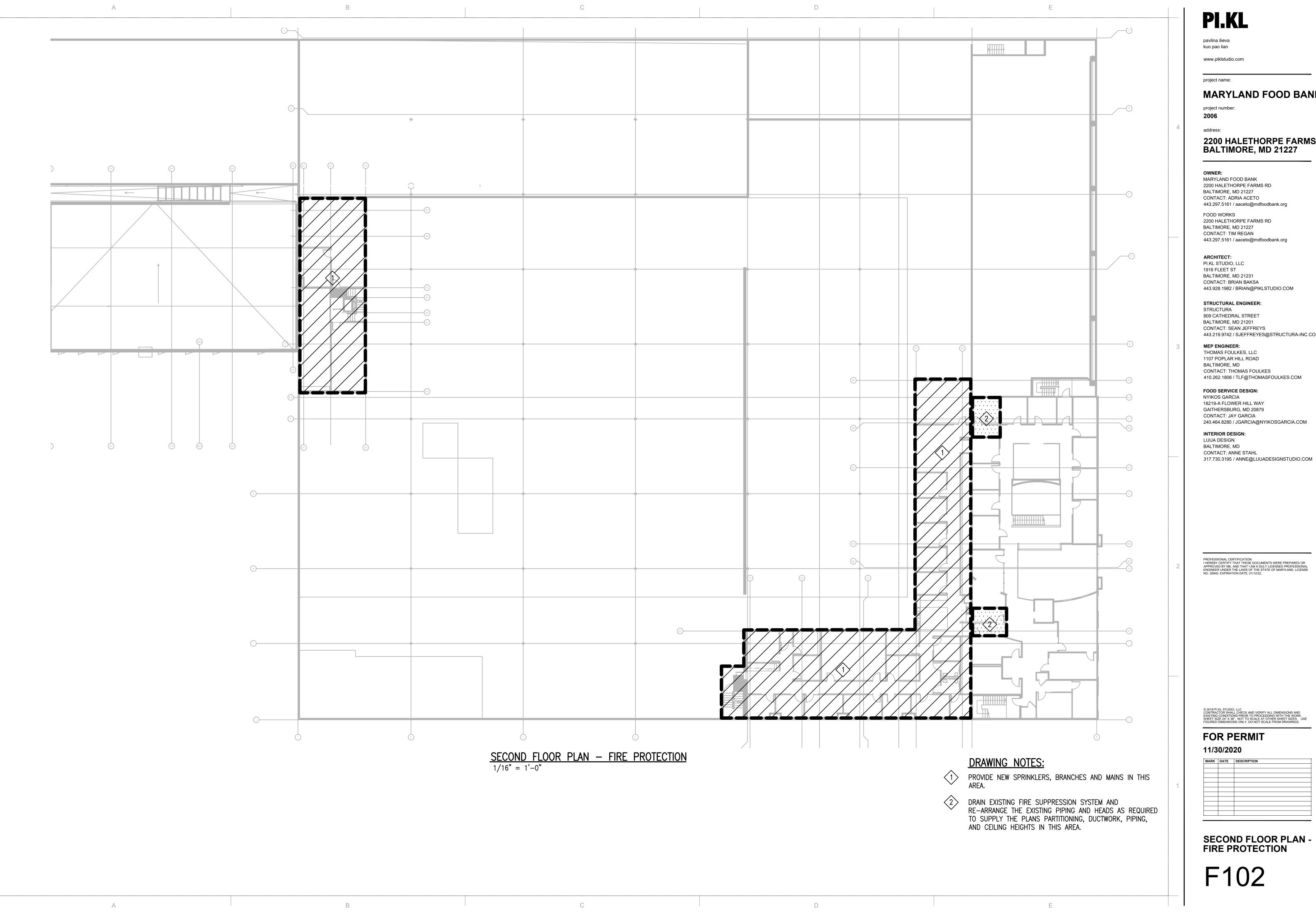
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FIRST FLOOR PLAN -FIRE PROTECTION

F101



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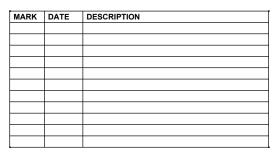
FOOD SERVICE DESIGN: NYIKOS GARCIA 18219-A FLOWER HILL WAY

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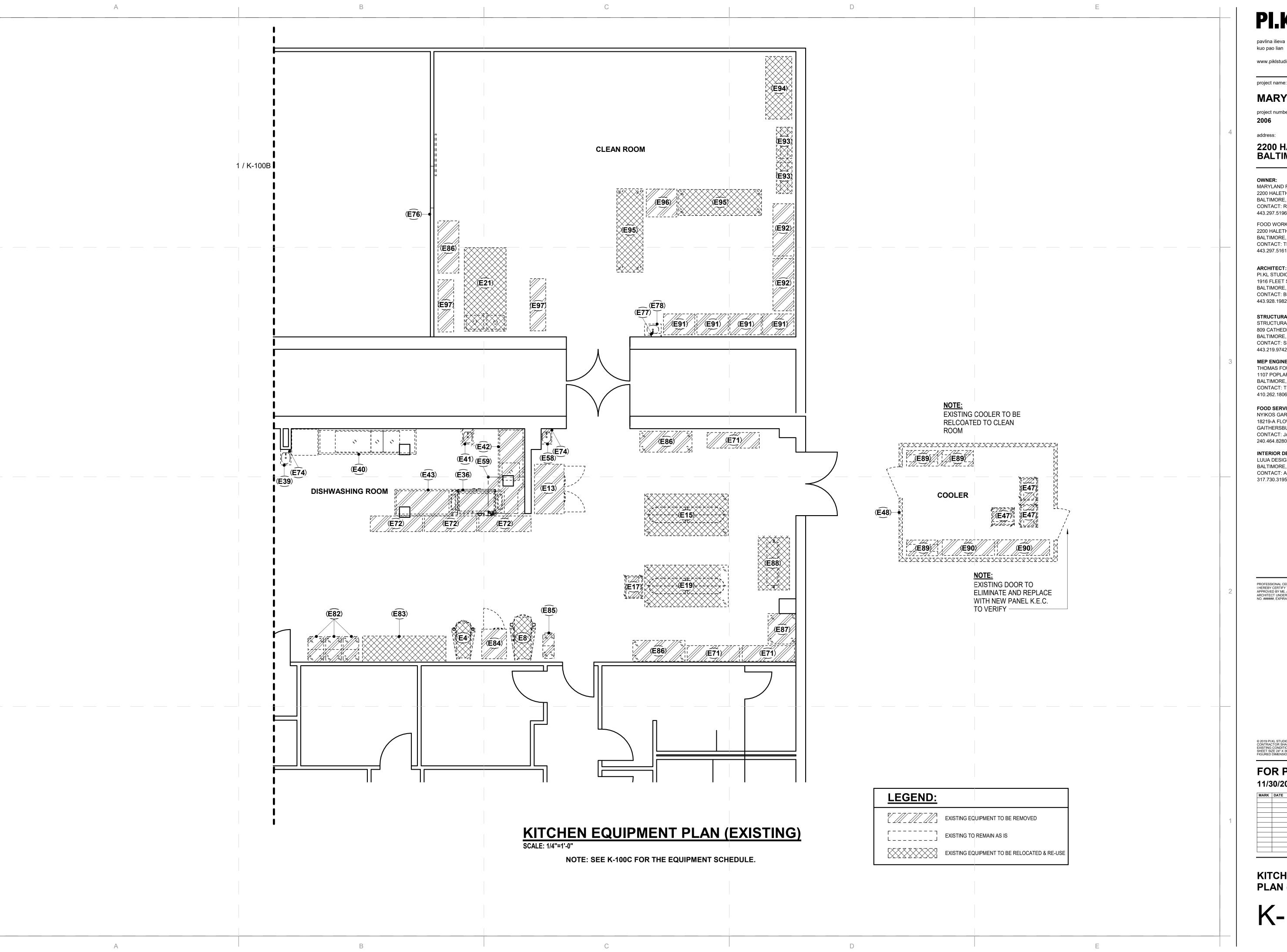
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SECOND FLOOR PLAN - FIRE PROTECTION

F102



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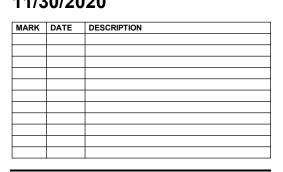
MEP ENGINEER: THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

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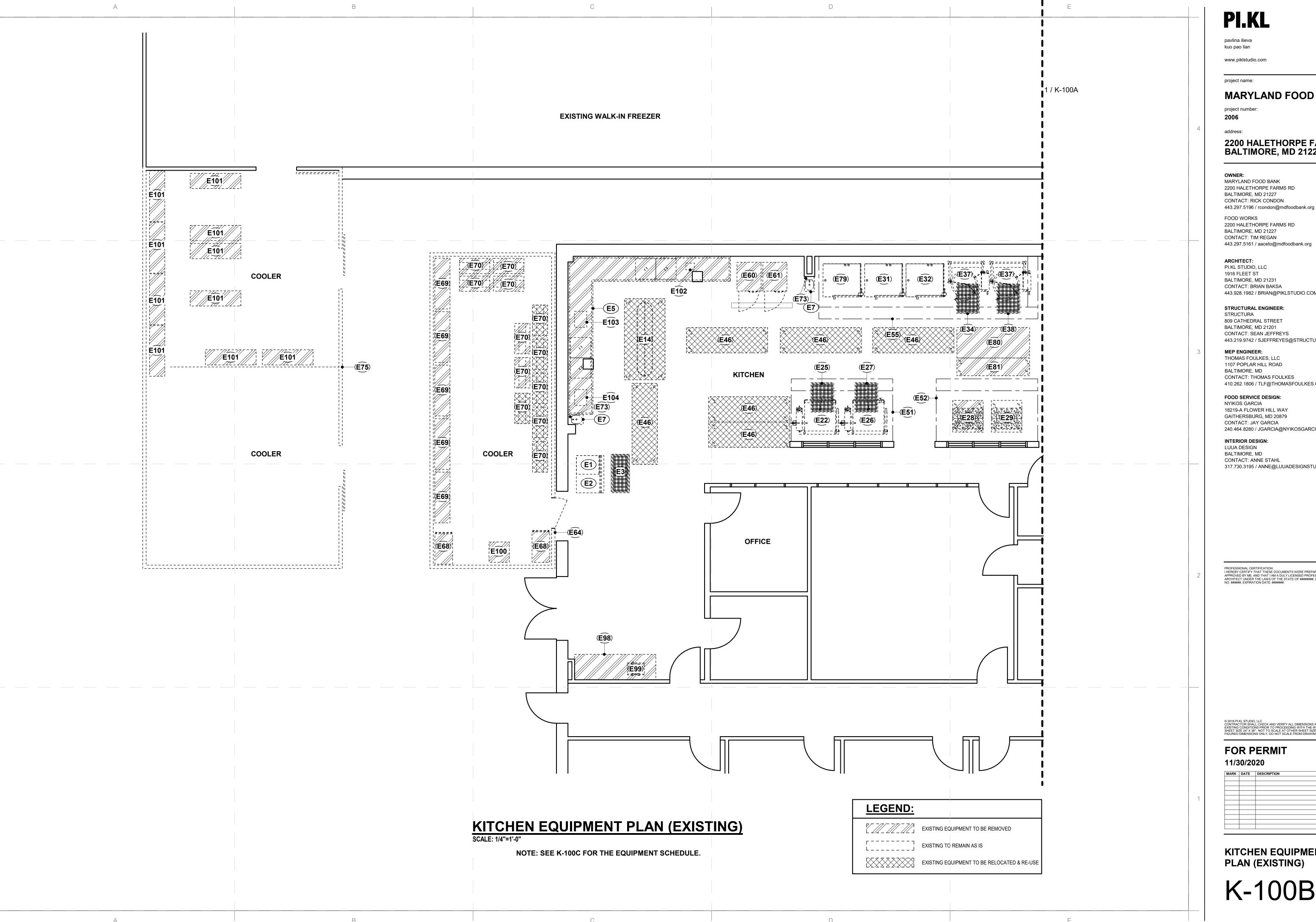
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KITCHEN EQUIPMENT **PLAN (EXISTING)**

K-100A



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project name:

MARYLAND FOOD BANK

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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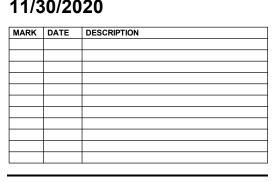
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KITCHEN EQUIPMENT **PLAN (EXISTING)**

K-100B

ГЕМ	QTY.	DESCRIPTION		REMARK
1	1	ICE CUBER		
E2	1	ICE STORAGE BIN		
E3	1	FLOOR TROUGH		
E4	1	MIXER,30-QUART		
E5	1	TABLE W/SINK		
E7	2	HAND SINK		
E8	1	MIXER,60-QUART		
Ξ13	1	REACH-IN REFRIGERATOR		
Ξ14	1	WORKTABLE, MOBILE	W/ UTENSIL RA	ACK
Ξ15	1	WORKTABLE, MOBILE	W/ UTENSIL RA	ACK
E17	1	UNIVERSAL RACK	'	
E 19	1	WORKTABLE, MOBILE	W/ UTENSIL RA	CK
E 21	1	WORKTABLE W/SINK		
E 22	1	TILTING SKILLET, 40-GALLON		
E 25	1	FLOOR TROUGH		
E 26	1	TILTING SKILLET, 40-GALLON		
E 27	1	FLOOR TROUGH		
E 28	1	6-BURNER RANGE	'	
E 29	1	6-BURNER RANGE		
Ξ31	1	COMBI OVEN		
E32	1	COMBI OVEN		
E34	1	FLOOR TROUGH		
E 36	1	DISHMACHINE		
E37	2	TILTING KETTLE, 60-GALLON		
E 38	1	FLOOR TROUGH		
E39	1	HAND SINK		
E 40	1	POT & PAN SCRUBBER		
E41	1	HAND SINK		
E 42	1	SOILED DISHTABLE		
E 43	1	CLEAN DISHTABLE		
E 46	6	WORKTABLE, MOBILE		
E47	3	UNIVERSAL RACK		
E 48	1	WALK-IN COOLER		
E 49	1	REMOTE CONDENSING UNIT	NOT SHOWN O	N PLAN
E 51	1	VENTILATOR		
= 52	1	VENTILATOR		
E 55	1	VENTILATOR		
E 58	1	HAND SINK		
E 59	1	EXHAUST HOOD		
E 60	1	BLAST CHILLER/SHOCK FREEZER		
E 61	1	BLAST CHILLER/SHOCK FREEZER		

ГЕМ	QTY.	DESCRIPTION	REMARKS				
E62	1	REMOTE CONDENSING UNIT	NOT SHOWN ON PLAN				
E 63	1	REMOTE CONDENSING UNIT	NOT SHOWN ON PLAN				
E64	1	WALK-IN COOLER					
E 65	1	REMOTE CONDENSING UNIT	NOT SHOWN ON PLAN				
E 68	2	UTILITY CART, MOBILE					
E 69	5	SHELVING					
E 70	12	DUNNAGE RACK					
<u> </u>	3	SHELVING					
- 72	3	SHELVING					
<u> </u>	2	SOAP & TOWEL DISPENSER					
<u> </u>	2	SOAP & TOWEL DISPENSER					
E 75	1	WALK-IN COOLER					
E 76	1	WALK-IN BOX (CLEAN ROOM)					
<u> </u>	1	HANK SINK					
E 78	1	SOAP & TOWEL DISPENSER					
E 79	1	COMBI OVEN					
E80	1	COOK CHILL TANK					
E 81	1	WORKTABLE, MOBILE					
E82	3	INGREDIENT BIN					
E83	1	WORKTABLE					
E84	1	HEATED TRANSPORT CABINET, MOBILE					
E 85	1	INGREDIENT BIN					
E86	3	SECURITY CAGE					
E 87	1	CASHIER'S STAND, MOBILE					
E 88	1	DEMONSTRATION TABLE, MOBILE					
E 89	3	DUNNAGE RACK					
E90	2	SHELVING					
<u> </u>	4	SHELVING					
E 92	2	SHELVING					
E 93	2	DUNNAGE RACK					
E 94	1	WORKTABLE					
E 95	2	WORKTABLE					
E 96	1	WORKTABLE					
E 97	2	SHELVING					
E 98	1	WORKTABLE					
E 99	1	MICROWAVE OVEN					
100	1	WORKTABLE					
101	10	SHELVING					
102	1	FOOD PROCESSOR					
103	1	SLICER					
104	1	BUFFALO CHOPPER					

NOTE: ITEM # E6, E9, E10, E11, E12, E16, E18, E20, E23, E24, E30, E33, E35, E44, E50, E53, E54, E56 & E57 ARE SPARE NUMBERS.

NOTE: SEE K-100A & K-100B FOR THE EQUIPMENT PLANS.

PI.KL

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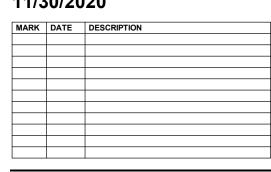
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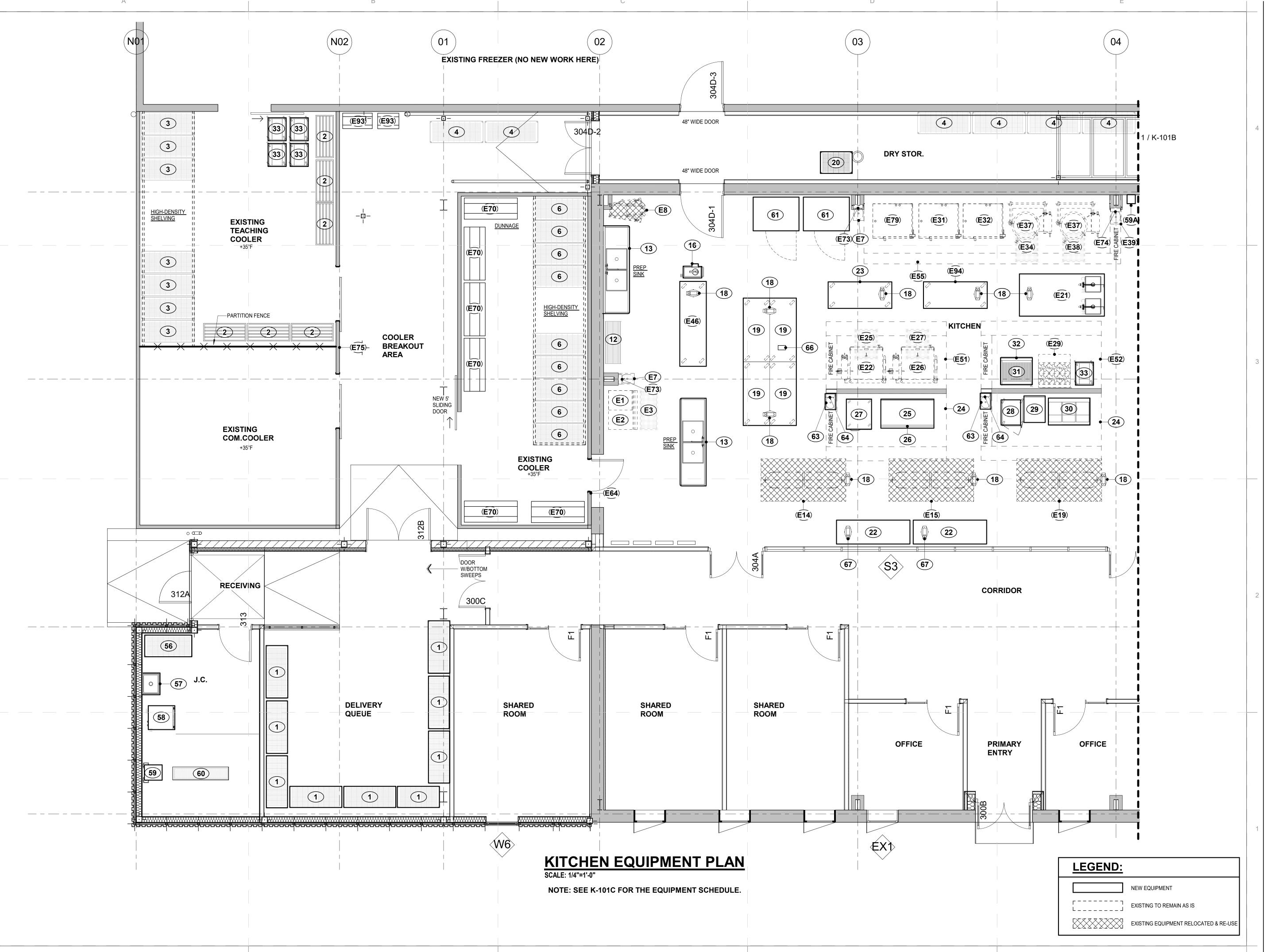
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KITCHEN EQUIPMENT SCHEDULE (EXISTING)

K-100C



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THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

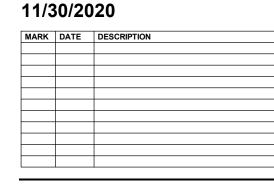
NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

FOOD SERVICE DESIGN:

INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

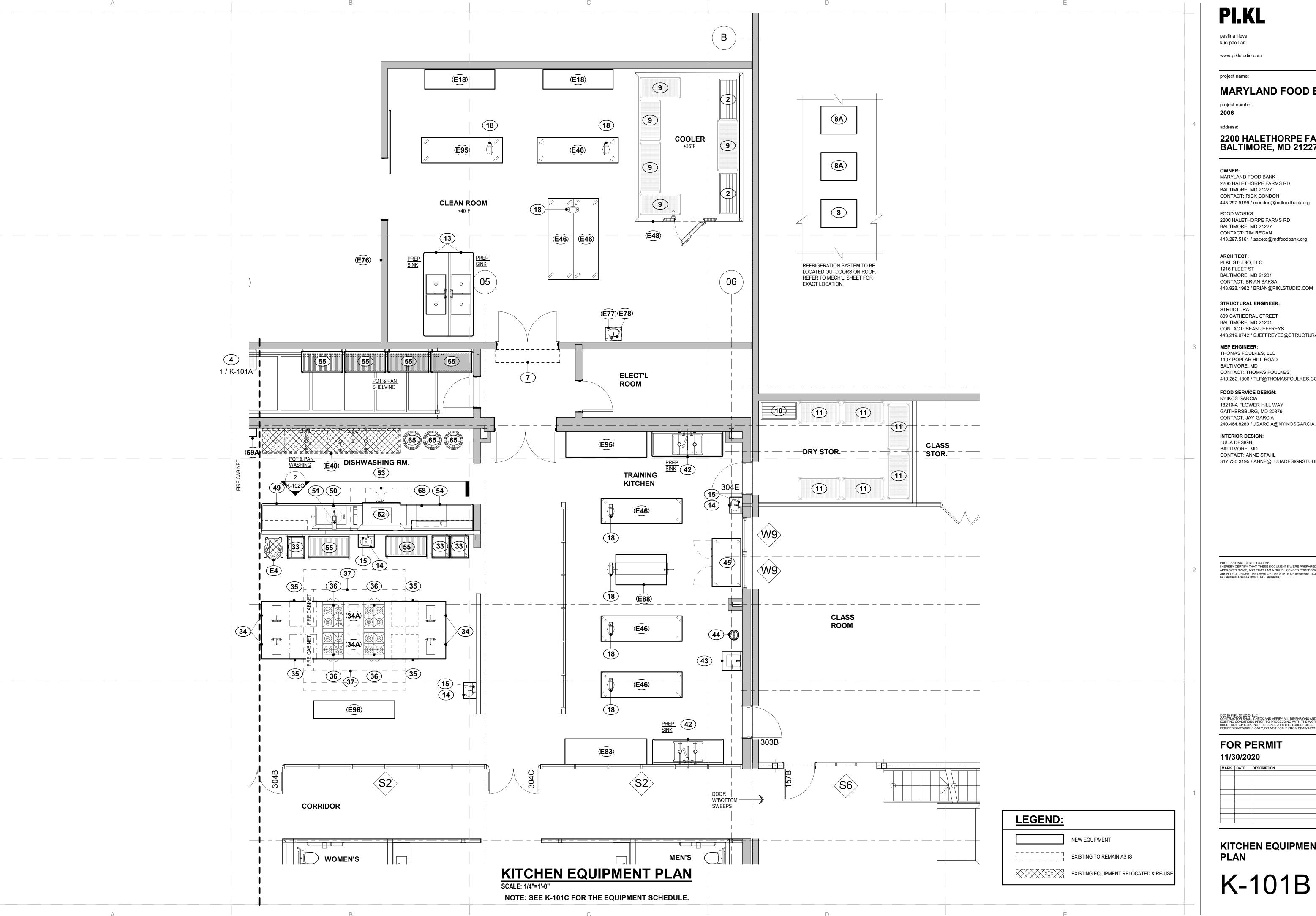
PROFESSIONAL CERTIFICATION:
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APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL
ARCHITECT UNDER THE LAWS OF THE STATE OF ########, LICENSE
NO. ######, EXPIRATION DATE: ########.

FOR PERMIT



KITCHEN EQUIPMENT **PLAN**

K-101A



www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD

BALTIMORE, MD 21227

MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: RICK CONDON

FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org

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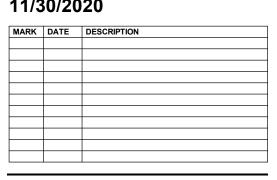
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FOR PERMIT 11/30/2020



KITCHEN EQUIPMENT **PLAN**

K-101B

		EQUIPMENT SCHEDUL	. E
ITEM	QTY.	DESCRIPTION	REMARKS
1	9	SHELVING	
2	8	DUNNAGE RAÇK	
3	7	HIGH-DENSITY SHELVING	
4	6	SHELVING	
6	9	HIGH-DENSITY SHELVING	
7	1	FLY FAN	
8	1	REFRIGERATION SYSTEM (CLEAN ROOM)	LOCATED OUTDOORS ON ROOF
8A	2	REFRIGERATION SYSTEM (BLAST CHILLER/SHOCK FREEZER)	LOCATED OUTDOORS ON ROOF
9	5	SHELVING	
10	1	DUNNAGE RACK	
11	6	SHELVING	
12	1	SPICE RACK	
13	4	PREP SINK	(1) UNIT W/ FINISHED BACK
14	3	HANK SINK	
15	3	SOAP & TOWEL DISPENSER	(N.I.K.E.C.) - SPECIFIED BY ARCHITECT
16	1	VEGETABLE CHOPPER	
18	16	RETRACTABLE CORD REEL	
19	4	WORKTABLE, MOBILE	
20	1	REVERSE OSMOSIS FILTER & RACK	
22	2	TRAY LIDDER/PACKAGING MACHINE	(N.I.C.) - FUTURE
23	1	WORKTABLE, MOBILE	
24	2	VENTILATOR	W/ FIRE PROTECTION SYSTEM
25	1	GRIDDLE	
26	1	EQUIPMENT STAND	
27	1	REACH-IN REFRIGERATOR	
28	1	SMOKER OVEN	
29	1	WORKTABLE	
30	1	FRYER ASSEMBLY	
31	1	CHARBROILER	
32	1	EQUIPMENT STAND	
33	8	PAN RACK CART, MOBILE	
34	4	WORKCOUNTER W/SINK	
34A	2	SOLIDTOP COUNTER	
35	4	UNDERCOUNTER REFRIGERATOR, MOBILE	
36	4	4-BURNER RANGE	W/ FIDE DDOTECTION OVOTEN
37	2	VENTILATOR	W/ FIRE PROTECTION SYSTEM
42	2	PREP SINK	ADA COMBUNANT
43	1	HAND SINK	ADA COMPLIANT
44	1	EYE WASH STATION	
45	<u> </u>	REACH-IN FREEZER, MOBILE	W/ OVERSHELE
49	1	SOILED DISHTABLE	W/ OVERSHELF
50	1	SCRAP COLLECTOR RETRACTABLE HOSE REEL	W/ CONTROL CARINET
51	I	'	W/ CONTROL CABINET
52	1	DISHMACHINE CONDENSATE HOOD	
53	1	CONDENSATE HOOD	W/ OVERSHELF
54 55	6	CLEAN DISHTABLE POT & DAN SHELVING MOBILE	W/ OVERSHELF
		POT & PAN SHELVING, MOBILE	
56 57	1	SHELVING MOD SINK & BACK	
57 58	1	MOP SINK & RACK WASHER/DRYER-STACKED	(N.I.K.E.C.) - FURNISHED BY OWNER
58 59	1 1	FLOOR CLEANING SYSTEM	W/ REMOTE STATION
59A	1 1	REMOTE POWER WASH CONTROL PANEL	VV/ NEIVIOTE STATION
	1 1		
60	İ	FLOOR TROUGH	

TITEM			EQUIPMENT SCH	EDULE					
63	ITEM	QTY.	DESCRIPTION	REMARKS					
64	61	2	BLAST CHILLER/SHOCK FREEZER						
65 3 TRASH CONTAINER, MOBILE 66 1 ELECTRIC CAN OPENER 67 2 RETRACTABLE CORD REEL 68 1 BOOSTER HEATER 68 1 BOOSTER HEATER 68 1 CIC EUBER 61 1 CIC EUBER 62 1 CIC EUBER 63 1 FLOOR TROUGH 64 1 MIXER 30-QUART 65 1 MIXER 30-QUART 66 1 WORKTABLE WPOT RACK 68 1 MIXER 80-QUART 69 1 WORKTABLE WPOT RACK 616 1 WORKTABLE WPOT RACK 619 1 WORKTABLE WPOT RACK 619 1 WORKTABLE WSIDN R POT RACK 622 1 TILTING SKILLET, 40-GALLON 623 1 FLOOR TROUGH 627 1 FLOOR TROUGH 628 1 FLOOR TROUGH 629 1 FLOOR TROUGH 621 1 CONVOTHERM OVEN 623 1 CONVOTHERM OVEN 624 1 FLOOR TROUGH 625 1 FLOOR TROUGH 626 1 TILTING SKILLET, 40-GALLON 627 1 FLOOR TROUGH 628 1 FLOOR TROUGH 629 1 FLOOR TROUGH 620 1 FLOOR TROUGH 621 1 FLOOR TROUGH 621 1 FLOOR TROUGH 622 1 FLOOR TROUGH 623 1 CONVOTHERM OVEN 624 1 FLOOR TROUGH 625 1 FLOOR TROUGH 626 1 TILTING SKILLET, 40-GALLON 627 1 FLOOR TROUGH 628 1 FLOOR TROUGH 629 1 FLOOR TROUGH 620 1 FLOOR TROUGH 620 1 FLOOR TROUGH 621 1 FLOOR TROUGH 622 1 FLOOR TROUGH 623 1 FLOOR TROUGH 624 1 FLOOR TROUGH 625 1 FLOOR TROUGH 626 1 FRANCE CONDENSING UNIT 626 1 REMOTE CONDENSING UNIT 627 1 FRANCE CONDENSING UNIT 628 1 REMOTE CONDENSING UNIT 629 1 REMOTE CONDENSING UNIT 620 1 REMOTE CONDENSING UNIT 621 1 FRANCE CONDENSING UNIT 626 1 REMOTE CONDENSING UNIT 627 1 FLOOR ENGINE UNIT 628 1 FLOOR ENGINE UNIT 629 1 FRANCE CONDENSING UNIT 620 1 FRANCE CONDENSING UNIT 620 1 FRANCE LISPENSER 627 1 HANK SINK 627 1 HANK SINK 628 1 SOAP & TOWEL DISPENSER 627 1 HANK SINK 629 1 FANCE LISPENSER 620 1 FRANCE CONDENSING UNIT	63	2	HAND SINK						
66	64	2	SOAP & TOWEL DISPENSER	(N.I.K.E.C.) - SPECIFIED BY ARCHITECT					
67 2 RETRACTABLE CORD REEL (N.I.C.) - FUTURE 68	65	3	TRASH CONTAINER, MOBILE						
B88	66	1	ELECTRIC CAN OPENER						
E1 1 ICE CUBER E2 1 ICE STORAGE BIN E3 1 FLOOR TROUGH E4 1 MIXER, 90-QUART E7 2 HAND SINK E8 1 MIXER, 90-QUART E14 1 WORKTABLE WPOT RACK E15 1 WORKTABLE WPOT RACK E16 1 WORKTABLE WPOT RACK E18 2 VACCUM MACHINE E19 1 WORKTABLE WPOT RACK E21 1 WORKTABLE WPOT RACK E22 1 TILTING SKILLET, 40-GALLON E22 1 TILTING SKILLET, 40-GALLON E25 1 FLOOR TROUGH E29 1 6-BURNER RANGE (N.I.C.) - FUTURE E31 1 CONVOTHERM OVEN DOUBLE-DECK E32 1 CONVOTHERM OVEN DOUBLE-DECK E33 1 FLOOR TROUGH FLOOR TROUGH E33 1 FLOOR TROUGH FLOOR TROUGH E34 <td< td=""><td>67</td><td>2</td><td>RETRACTABLE CORD REEL</td><td>(N.I.C.) - FUTURE</td></td<>	67	2	RETRACTABLE CORD REEL	(N.I.C.) - FUTURE					
E2	68	1	BOOSTER HEATER	GAS-FIRED					
E3	E1	1	ICE CUBER						
E4	E2	1	ICE STORAGE BIN						
E7	E3	1	FLOOR TROUGH						
E8	E4	1	MIXER,30-QUART						
E14		2	HAND SINK						
E15		1	· · · · · · · · · · · · · · · · · · ·						
E18		1							
E19		1							
E21		2							
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E27		1							
E29		1	· ·						
E31		1							
E32		1		, ,					
E34		1							
E37 2		1		DOUBLE-DECK					
E38		1							
E39		2							
E40 1 POT & PAN SCRUBBER W/MODIFICATION W/ OVERSHELF E46 7 WORKTABLE, MOBILE WORKTABLE, MOBILE E48 1 WALK-IN COOLER NOT SHOWN ON PLAN E49 1 REMOTE CONDENSING UNIT NOT SHOWN ON PLAN E51 1 VENTILATOR W/ FIRE PROTECTION SYSTEM E52 1 VENTILATOR W/ FIRE PROTECTION SYSTEM E65 1 REMOTE CONDENSING UNIT NOT SHOWN ON PLAN E62 1 REMOTE CONDENSING UNIT NOT SHOWN ON PLAN E63 1 REMOTE CONDENSING UNIT NOT SHOWN ON PLAN E64 1 WALK-IN COOLER NOT SHOWN ON PLAN E70 6 DUNNAGE RACK NOT SHOWN ON PLAN E73 2 SOAP & TOWEL DISPENSER NOT SHOWN ON PLAN E75 1 WALK-IN COOLER NOT SHOWN ON PLAN E76 1 WALK-IN BOX (CLEAN ROOM) NOT SHOWN ON PLAN E77 1 HANK SINK NOT SHOWN ON PLAN		1							
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E55		1							
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E75 1 WALK-IN COOLER E76 1 WALK-IN BOX (CLEAN ROOM) E77 1 HANK SINK E78 1 SOAP & TOWEL DISPENSER		<u></u>							
E76 1 WALK-IN BOX (CLEAN ROOM) E77 1 HANK SINK E78 1 SOAP & TOWEL DISPENSER			· ·						
E77 1 HANK SINK E78 1 SOAP & TOWEL DISPENSER		1							
E78 1 SOAP & TOWEL DISPENSER			·						
		1							
,		1		DOUBLE-DECK					
E83 1 WORKTABLE, MOBILE		1	,						
E88 1 DEMONSTRATION TABLE, MOBILE W/MIRROR		1	·	W/MIRROR					
E93 2 DUNNAGE RACK		2							
E94 1 WORKTABLE, MOBILE		1							
E95 2 WORKTABLE, MOBILE		2	· · · · · · · · · · · · · · · · · · ·						
E96 1 WORKTABLE, MOBILE		1	·						

(N.I.K.E.C.) - NOT IN KITCHEN EQUIPMENT CONTRACT.

(N.I.C.) - NOT IN CONTRACT.

NOTE: ITEM #5, #17, #21, #38, #39, #40, #41, #46, #47, #48 & #62 ARE SPARE NUMBERS.

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NOTE: SEE K-101A & K101B FOR THE KITCHEN EQUIPMENT PLANS.

THE USE OF SEALANTS IN FOOD SERVICE EQUIPMENT

- 1. ALL SEALANTS MUST BE LISTED AS APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) UNDER 51.
- 2. SEALANTS SHALL BE USED ONLY ON STRUCTURALLY SOUND JOINTS AND SEAMS.
- 3. SEALANTS MAY BE USED TO FILL SPACES AND OPENINGS SUCH AS, BUT NOT LIMITED TO, BLIND RIVET HEADS AND SLOT AND PHILLIPS HEAD SCREWS.
- OPENINGS AROUND SERVICE AND UTILITY LINES SHOULD BE CLOSED INSOFAR AS PRACTICAL BY:

 COLLARS AND GROMMETS.
 FLEXIBLE FORM GASKETS.
- SEALANTS MAY BE USED TO SEAL SERVICE AND UTILITY LINES TO WALL AND ADJACENT PIECES OF EQUIPMENT WHERE THE SPACING IS. CLOSED TO LESS THAN 1/8 OF INCH.
- 5. SEALANTS MAY NOT BE UTILIZED IN FOOD AND SPLASH CONTACT SURFACES, TO FILL OPEN SPACES, OR VOIDS WHICH RESULT DUE TO IMPROPER DESIGN OR FABRICATION. ANY OPENING IN EXCESS OF 1/8 INCH SHALL BE CONSIDERED EXCESSIVE AND MUST BE CLOSED USING PROPER FIELD JOINTS.

GENERAL HEALTH DEPARTMENT NOTATIONS

- ALL PIPING, CONDUIT, BX CABLE AND SIMILAR CONSTRUCTION WILL BE EITHER LOCATED INSIDE A WALL OR INSTALLED WITH A MINIMUM 3/4" SPACE FROM THE WALL OR SEALED TO THE WALL.
- 2. ALL DOORS TO THE OUTSIDE WILL BE SELF-CLOSING AND RODENT-PROOF.
- 3. A MINIMUM OF FIFTY (50) FOOT-CANDLES OF SHIELDED LIGHT WILL BE PROVIDED AT ALL WORK SURFACES, STORAGE AREAS, FOOD PREPARATION AREAS, UTENSIL WASHING AREAS, TOILET ROOMS, LOCKER ROOMS AND IN THE GARBAGE AND RUBBISH STORAGE AREAS.
- 4. ALL RESTROOM DOORS WILL BE SELF-CLOSING.
- 5. ALL RESTROOMS WILL BE EQUIPPED WITH MECHANICAL EXHAUST VENTILATION SIZED AT A MINIMUM RATE OF TWO (2) CUBIC FEET PER MINUTE PER SQUARE FOOT OF FLOOR AREA AND EXHAUSTING DIRECTLY TO THE OUTSIDE.
- 6. ALL FLOOR MOUNTED EQUIPMENT WILL BE PLACED ON NATIONAL SANITATION FOUNDATION (NSF) APPROVED SIX (6) INCH LEGS, OR THE EQUIVALENT, AND PROPERLY SPACED FROM ADJACENT EQUIPMENT OR WALLS; OR PLACED ON NSF APPROVED CASTERS, OR THE EQUIVALENT; OR PROPERLY SEALED TO ALL ADJACENT SURFACES.
- 7. ALL COUNTER MOUNTED FOODSERVICE EQUIPMENT WEIGHING IN EXCESS OF EIGHTY (80) POUNDS WILL BE MOUNTED ON NSF APPROVED FOUR (4) INCH HIGH LEGS.
- 8. ALL EXPOSED RAW WOOD WILL BE SEALED.
- 9. ALL ANNULAR OPENINGS IN CONSTRUCTION WILL BE SEALED TO WITHIN 1/32ND OF AN INCH.
- 10. ALL AISLES WILL BE A MINIMUM OF THIRTY-SIX (36) INCHES WIDE PER NATIONAL FIRE PROTECTION ASSOCIATION 101.
- 11. THE OUTSIDE STORAGE OF REFUSE WILL BE IN RODENT-PROOF CONTAINERS LOCATED ON A PAVED SURFACE.
- 12. ALL SINK INSTALLATIONS WILL BE EQUIPPED WITH HOT AND COLD RUNNING WATER THROUGH A MIXING VALVE OR COMBINATION FAUCET.
- 13. ALL PAINTING WILL BE WITH LEAD-FREE, NON-METALLIC ENAMEL PAINT OR A HIGH QUALITY VARNISH.
- 14. WASTE WATER FROM ALL APPLICABLE FOODSERVICE EQUIPMENT WILL BE INDIVIDUALLY PLUMBED TO AN OPEN SITE DRAIN WITH A MINIMUM ONE INCH AIR GAP.

PI.K

pavlina ilieva kuo pao lian

www.piklstudio.com

project name:

MARYLAND FOOD BANK

project number: **2006**

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2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

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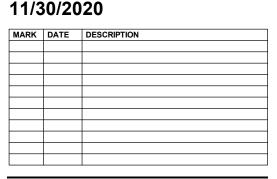
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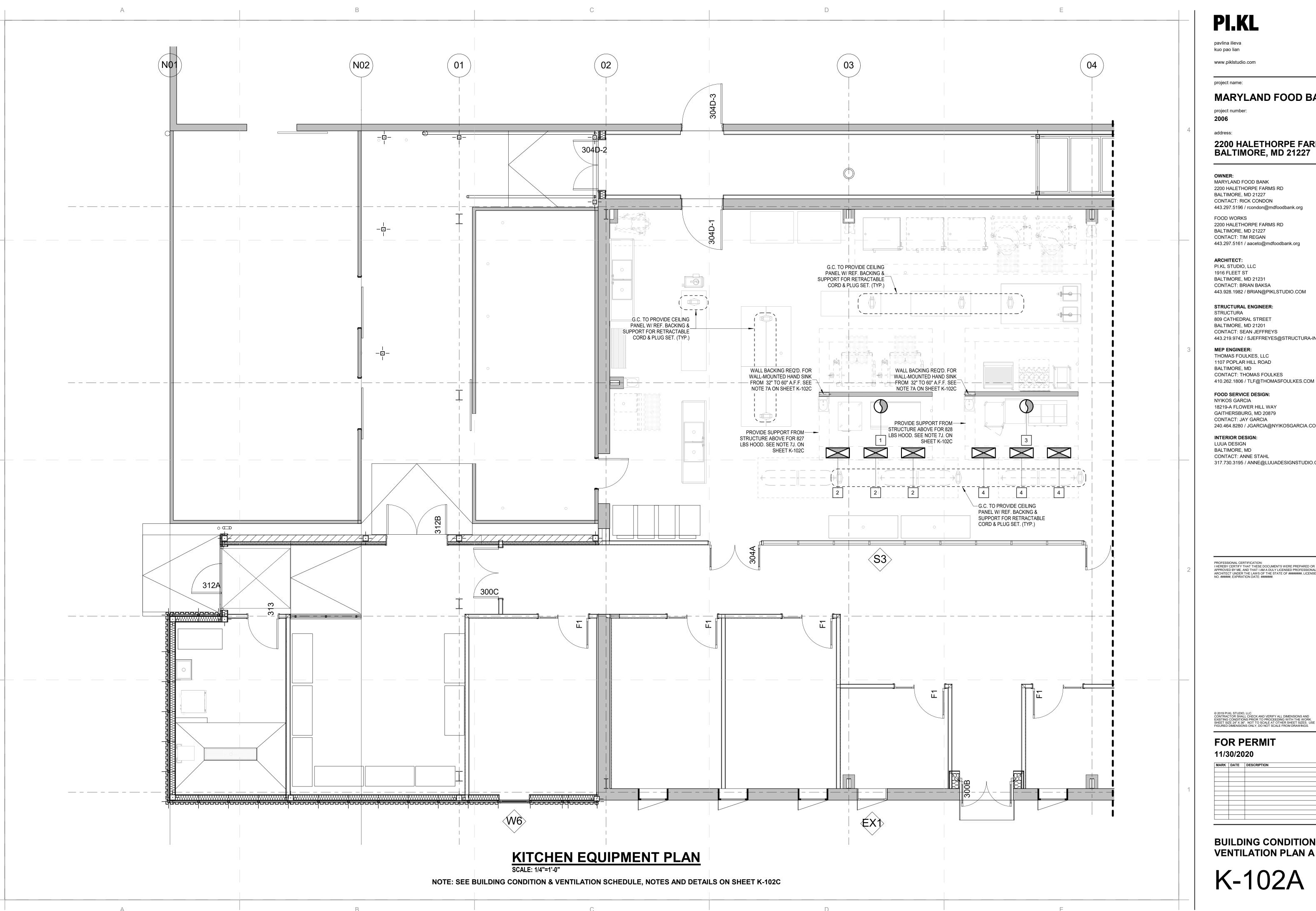
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FOR PERMIT



KITCHEN EQUIPMENT SCHEDULE

K-101C



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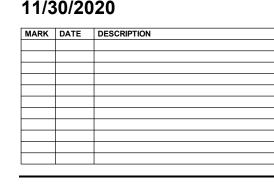
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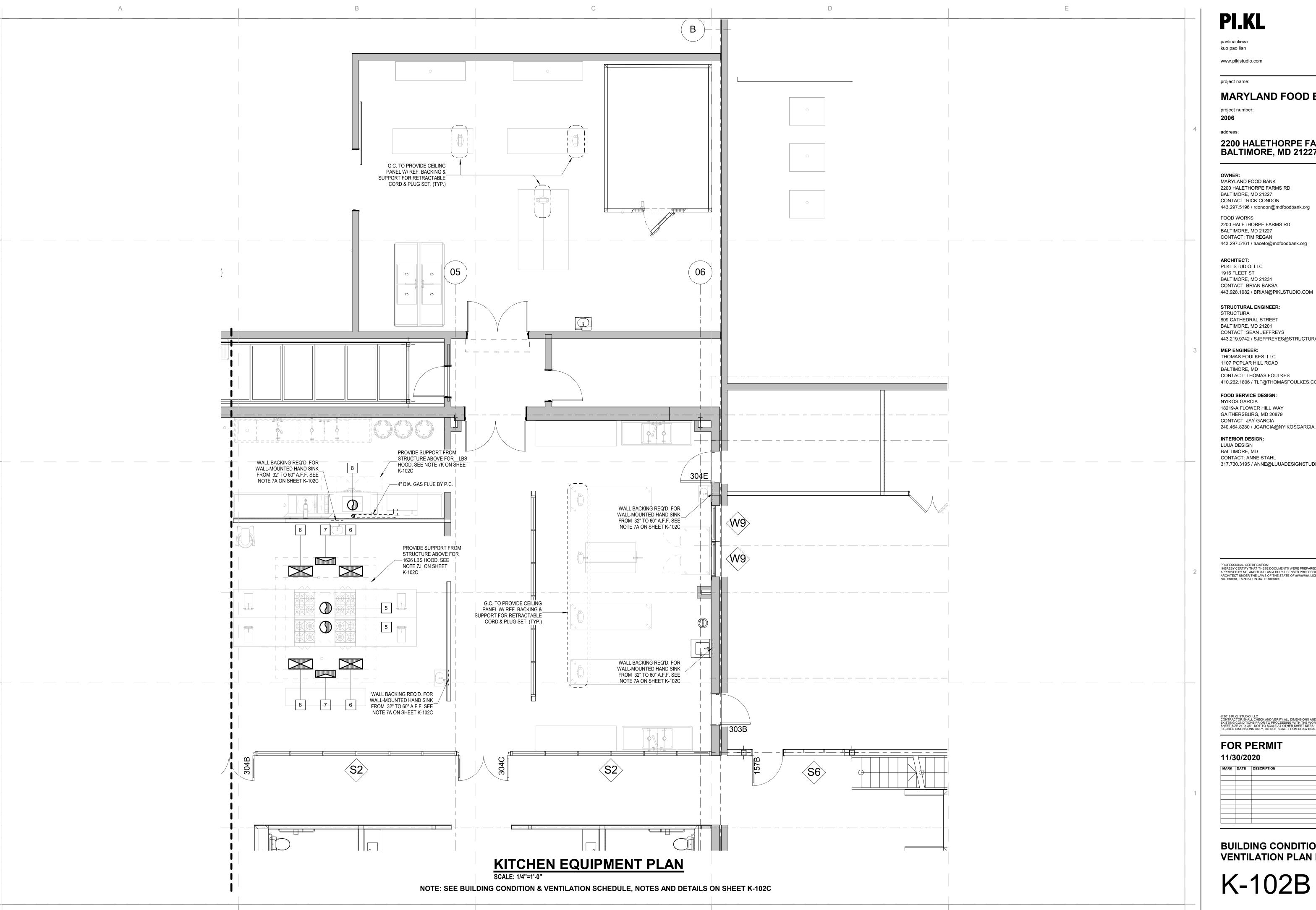
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BUILDING CONDITION & VENTILATION PLAN A

K-102A



www.piklstudio.com

project name:

MARYLAND FOOD BANK

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: RICK CONDON 443.297.5196 / rcondon@mdfoodbank.org

FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org

ARCHITECT: PI.KL STUDIO, LLC 1916 FLEET ST BALTIMORE, MD 21231 CONTACT: BRIAN BAKSA

STRUCTURAL ENGINEER: STRUCTURA 809 CATHEDRAL STREET BALTIMORE, MD 21201 CONTACT: SEAN JEFFREYS

443.219.9742 / SJEFFREYES@STRUCTURA-INC.COM **MEP ENGINEER:** THOMAS FOULKES, LLC 1107 POPLAR HILL ROAD

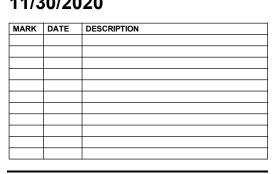
BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

NYIKOS GARCIA 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM

LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

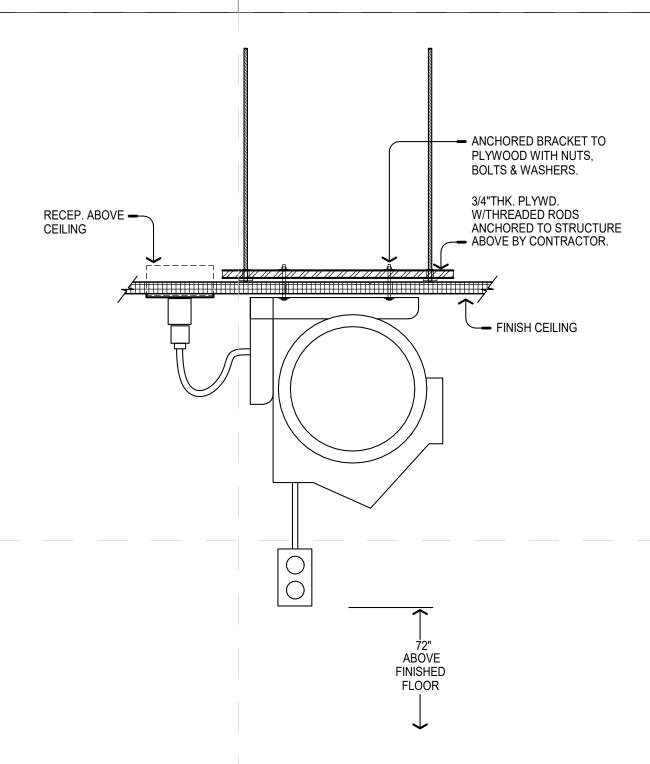
PROFESSIONAL CERTIFICATION:
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ARCHITECT UNDER THE LAWS OF THE STATE OF ########, LICENSE
NO. ######, EXPIRATION DATE: ########.

FOR PERMIT 11/30/2020

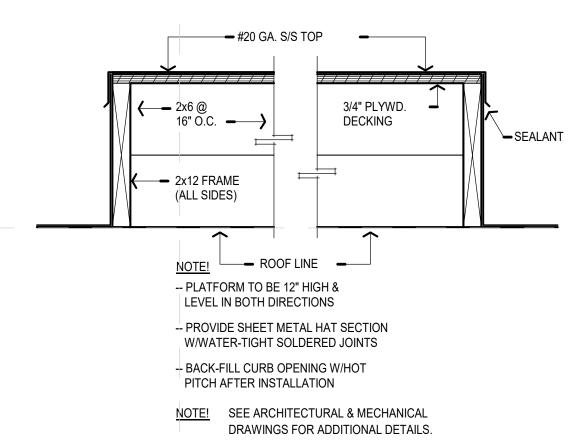


BUILDING CONDITION & VENTILATION PLAN B

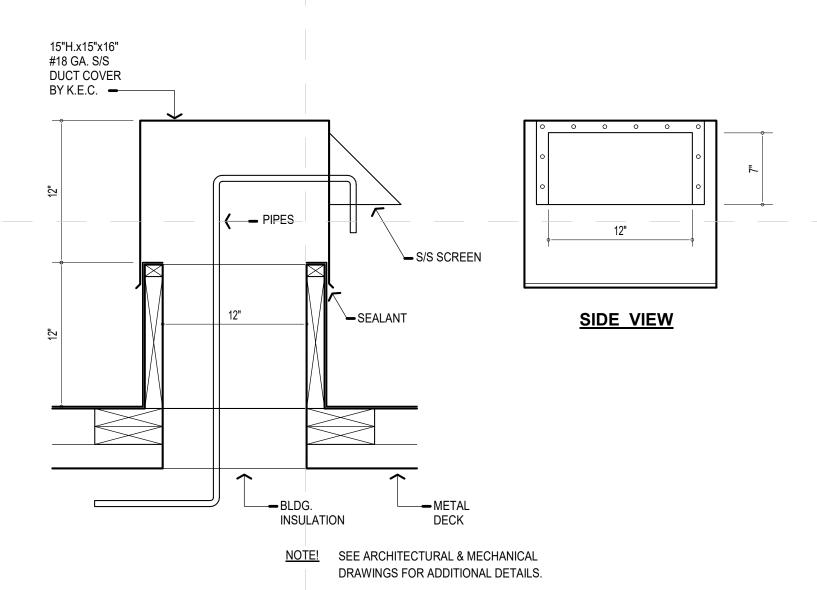
K-102B



CORD REEL CEILING SUPPORT DETAIL SCALE: NTS.



ROOF CURB DETAIL SCALE: NTS.



PIPE PENETRATION ENCLOSURE DETAIL SCALE: NTS.

VENTILATION SCHEDULE												
		C.F	.M.		TOTAL	CONN. HGT.						
NO.	SIZE	EXHAUST	SUPPLY	W.G.S.P.@ COLLAR	C.F.M.	A.F.F.	DESCRIPTION					
1	16" DIA.	2428		-0.858"	2428	9' - 6"						
2	12" x 28"		728 (3)	0.199"	2184	9' - 6"	W/ BUILT-IN BALANCING DAMPER					
3	16" DIA.	2428		-0.858"	2428	9' - 6"						
4	12" x 28"		728 (3)	0.199"	2184	9' - 6"	W/ BUILT-IN BALANCING DAMPER					
5	14" DIA.	1800 (2)		-0.698"	3600	9' - 6"						
6	12" x 28"		810 (4)	0.211"	3240	9' - 6"	W/ BUILT-IN BALANCING DAMPER					
7	8" x 24"	400 (2)		0.086"	800	9' - 6"	W/ BUILT-IN BALANCING DAMPER					
8	12" DIA.	900		-0.25"	900	9' - 6"						

* PROVIDE TEMPERED SUPPLY AIR DURING WINTER MONTHS; 55° to 60°F.

SEE SHEET K-502 to K-506 FOR FURTHER VENTILATOR DETAILS.

BUILDING CONDITIONS & VENTILATION NOTE: NON-COMBUSTIBLE WALL MATERIAL WALL BACKING EXHAUST DUCT/GRILL SUPPLY DUCT/GRILL VENTILATION ROUGH-IN PLAN DESIGNATION

BUILDING CONDITIONS & VENTILATION NOTE:

- ALL WORK INDICATED ON THIS PLAN AND IN THESE NOTES SHALL BE BY OTHER THAN.
 THE KITCHEN EQUIPMENT CONTRACTOR, UNLESS NOTED BY "K.E.C.".
 WALLS, FLOORS AND CEILINGS IN KITCHEN, PREP, SERVICE, AND DISHWASHING AREAS,
 OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE
 SMOOTH, EASILY- CLEANABLE, NON-ABSORBANT, AND DURABLE. WALLS AND CEILINGS
 SHALL BE LIGHT COLORED.
- 3. PARTITION WALLS BETWEEN KITCHEN AREAS AND PUBLIC AREAS SHALL BE CONTRUCTED FOR MAXIMUM SOUND CONTROL.
- MINIMUM VENTILATION REQUIREMENTS:
 A. KITCHEN, SERVICE, PREP AND DISHWASHING AREAS: 4 TO 6 AIR CHANGES PER HOUR.
 B. STOREROOMS: 2 TO 3 AIR CHANGES PER HOUR.
- C. OFFICES: 4 AIR CHANGES PER HOUR. (RECOMMEND AIR CONDITIONING).

 D. REFRIGERATION CONDENSING UNITS: 750 C.F.M. PER H.P., SUPPLY AND EXHAUST.

 E. OTHER AREAS: AS REQUIRED BY CODES OR AS NOTED.

 F. VERIFY VENTILATION REQUIREMENTS SHOWN ARE IN COMPLIANCE WITH LOCAL
- 5.—FINAL DUCT CONNECTIONS SHALL BE BY MECHANICAL CONTRACTOR, OR EQUIVALENT, UNLESS NOTED.

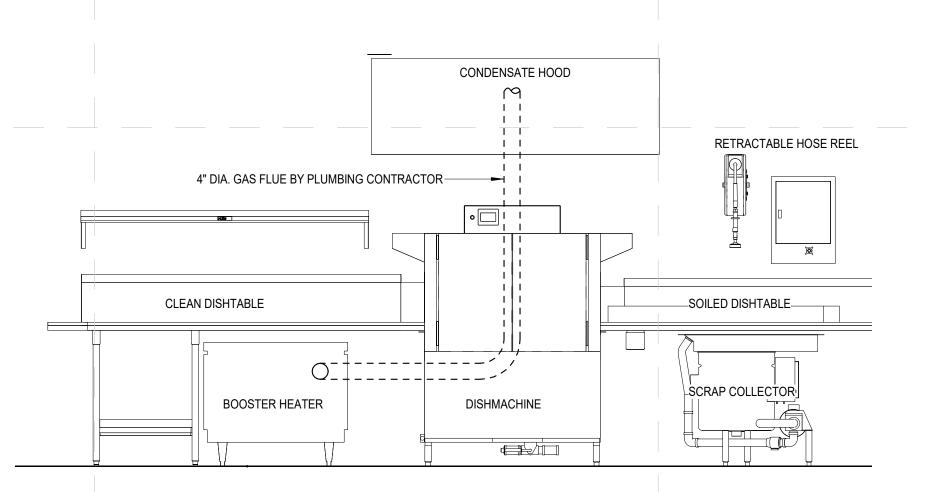
 6. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS
- 6. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS REQUIRED BY LOCAL CODES.7. GENERAL CONTRACTOR (G.C.), OR EQUIVALENT SHALL:
- A. PROVIDE IN-WALL REINFORCING OR BACKING, AS REQUIRED, FOR WALL-MOUNTED EQUIPMENT; COORDINATE WITH K.E.C.

 B. SLOPE FLOOR TO FLOOR SINKS, FLOOR DRAINS, OR FLOOR TROUGHS.

 C. PROVIDE DOOR/WALL OPENINGS AND/OR PA\$SAGES TO ASSURE ACCESS FOR ALL KITCHEN EQUIPMENT. COORDINATE OPENING REQUIREMENTS WITH K.E.C.
- D. PROVIDE SOLID MASONRY CURBS WITH TROWEL-SMOOTH AND LEVEL FINISH.

 E. PROVIDE FIRE-RATED MATERIALS AND/OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, ROOF/WALL PENETRATIONS, ETC. PER LOCAL CODES.

 F. PROVIDE FIRE-RATED PARTITIONS WHERE NOTED AROUND COOKING/HEAT PRODUCING EQUIPMENT PER LOCAL CODES.
- G. PROVIDE COVED-BASE MOLDING OR COVED INTEGRAL FLOOR MATERIALS AS REQUIRED AT ALL VERTICAL SURFACES OF KITCHEN FLOORS.
- H. PROVIDE 1/2" DIAMETER (MINIMUM) HANGER RODS FROM STRUCTURE ABOVE CEILING AS REQUIRED FOR VENTILATORS AND CEILING-MOUNTED EQUIPMENT, WHERE NOTED.



GAS PIPE ROUTING DETAIL
SCALE: 1/2"=1'-0"

PI.K

pavlina ilieva kuo pao lian

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nroject nu

2006

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STRUCTURAL ENGINEER:

CONTACT: RICK CONDON

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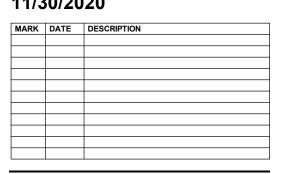
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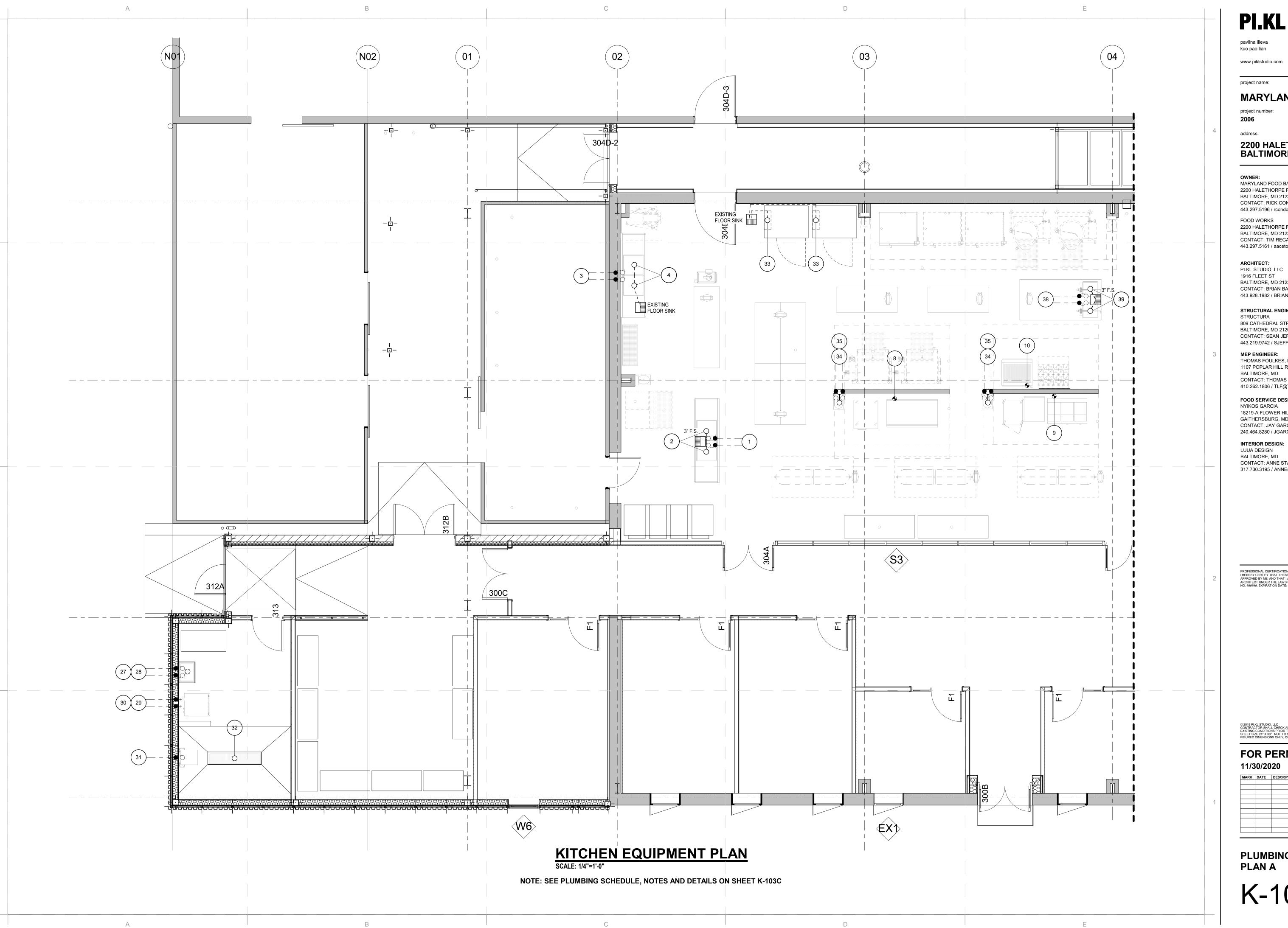
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© 2019 PI.KL STUDIO, LLC CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND SKISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK SHEET SIZE 24" X 36". NOT TO SCALE AT OTHER SHEET SIZES L

FOR PERMIT 11/30/2020



BUILDING CONDITION & VENTILATION SCHEDULE, NOTES AND DETAILS K-102C



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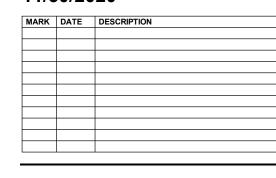
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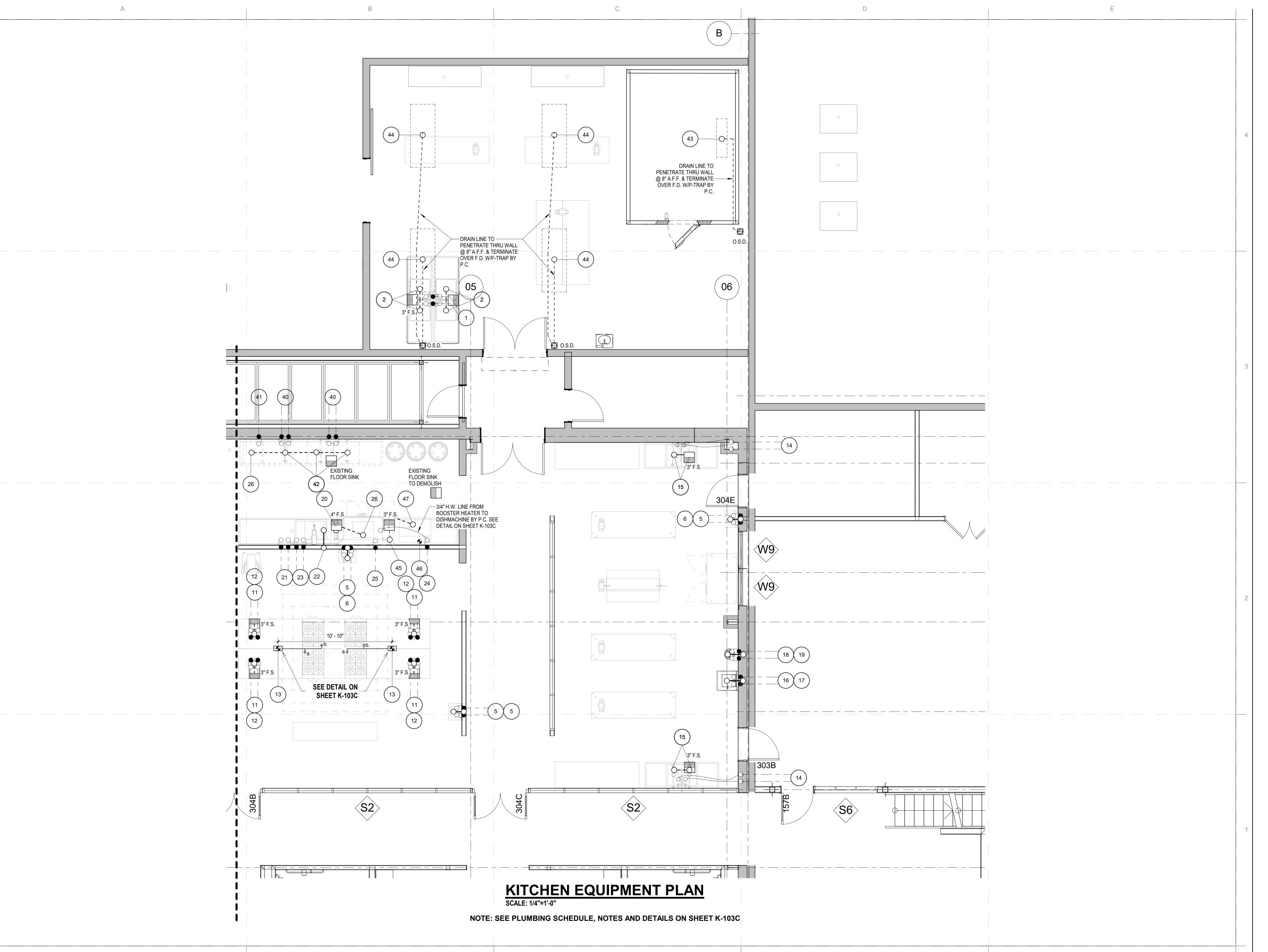
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PLUMBING ROUGH-IN PLAN A

K-103A



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project number: 2006

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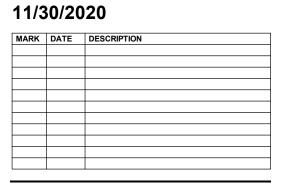
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PLUMBING ROUGH-IN PLAN B

K-103B

PLUMBING SYMBOLS											
ABBREVIATION	SYMBOL	DESCRIPTION									
H/CW	0 0	HOT/COLD WATER ROUGH-IN AND CONNECTION									
W	\circ	WASTE ROUGH-IN AND CONNECTION									
IW	O	INDIRECT WASTE									
F.G.	. •	FUEL GAS ROUGH-IN AND CONNECTION									
F.S.		FLOOR SINK W/HALF GRATE (W/MIN. CONN. SIZE)									
F.D.	- 	FLOOR (AREA) DRAIN									
O.S.D.	- 	OPEN SITE DRAIN (STORM WATER)									
D.F.A.		DOWN FROM ABOVE									
R.I. #	#	ROUGH-IN NUMBER (SEE PLUMBING SCHEDULE)									

PLUMBING KITCHEN GENERAL NOTES: ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL PLUMBING REQUIREMENTS. THIS PLUMBING PLAN IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION SIZES, POSITIONS, HEIGHTS AND LOAD REQUIREMENTS. DIMENSIONS SHOWN ARE FROM FINISHED FLOORS AND FINISHED WALLS. VERIFY WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY PLUMBING CONTRACTOR INCLUDING REQUIRED MATERIALS SUCH AS, STOPS, MIXING VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING, ETC. TO ASSURE PROPER OPERATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES. PLUMBING CONTRACTOR (P.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING: A. ALL WATER, WASTE, AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. FLOOR ROUGH-INS TO STUB UP 2" ABOVE FINISHED FLOOR OR CURBS. ALL FLOOR OPENINGS/PENETRATIONS ARE TO BE SEALED WATERTIGHT. B. PRESSURE REDUCING AND/OR REGULATING VALVES FOR DISHWASHERS, BOOSTER HEATERS, OR AS OTHERWISE NOTED IN ALL FOODSERVICE AREAS. C. ALL FLOOR SINKS, COMPLETE WITH TOP GRATES INDICATED, AND REMOVABLE SEDIMENT BUCKETS SET FLUSH WITH FINISH FLOOR, UNLESS NOTED. D. ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS NOTED. MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION SIZE, AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE ABOVE FLOOR FOR SANITATION AND AND CLEANING. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS. E. INDIRECT WASTE LINES FOR CLEAN ROOM BLOWER COILS SHALL BE PITCHED 1" PER FOOT OF HORIZONTAL RUN, AND TERMINATE WITH A P-TRAP OVER FLOOR SINK OR APPROVED RECEPTER WITH VACUUM BREAK AS REQUIED BY LOCAL CODE. F. INSTALL FIRE CONTROL GAS SHUT-OFF VALVES AS SUPPLIED BY FIRE PROTECTION SYSTEM SUBCONTRACTOR PER LOCAL CODES. (IF GAS COOKING EQUIPMENT IS SPECIFIED.) G. VACUUM BREAKERS, AS REQUIRED, EXCEPT FOR DISHWASHERS AND DISPOSERS, AS SUPPLIED BY KITCHEN EQUIPMENT CONTRACTOR. PLUMBING CONTRACTOR (P.C.), OR EQUIVALENT, SHALL INTERCONNECT DISHMACHINE WITH BOOSTER HEATER, AND WATER-TYPE VENTILATORS WITH CONTROL PANELS AS PER MANUFACTURER'S INSTRUCTIONS, WHEN APPLICABLE AND NOTED. ALL VENT PIPES SHALL BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP

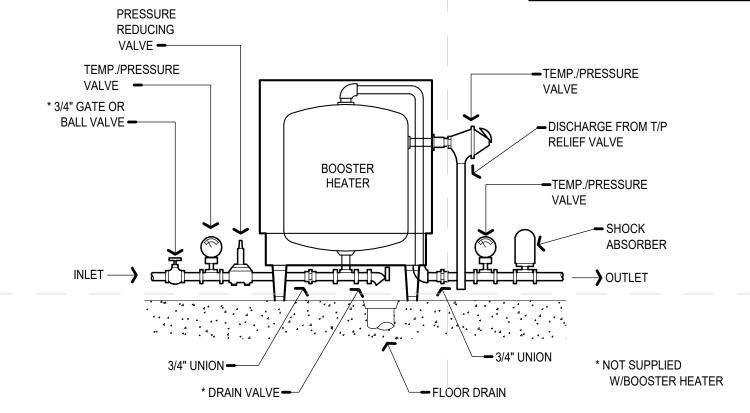
ALL EXPOSED PIPING AND FITTINGS IN KITCHEN AREAS SHALL BE CHROME-PLATED OR

ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH INTENDED

VENTS FOR ISLAND FIXTURES.

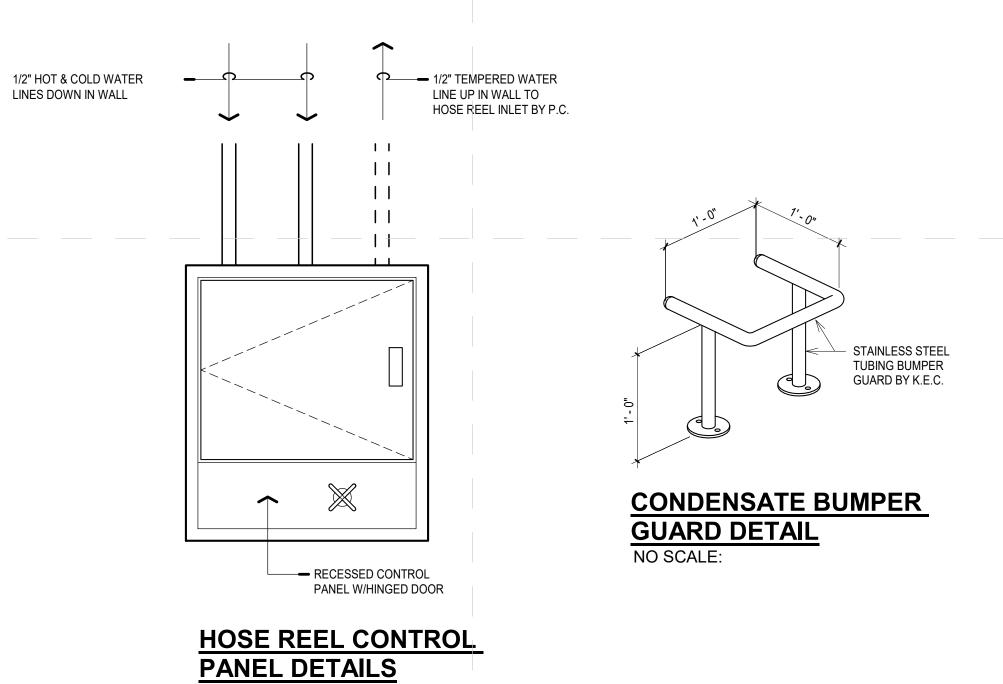
USE OF, OR SERVICING OF EQUIPMENT.

STAINLESS STEEL.



BOOSTER HEATER DETAIL SCALE: NTS.

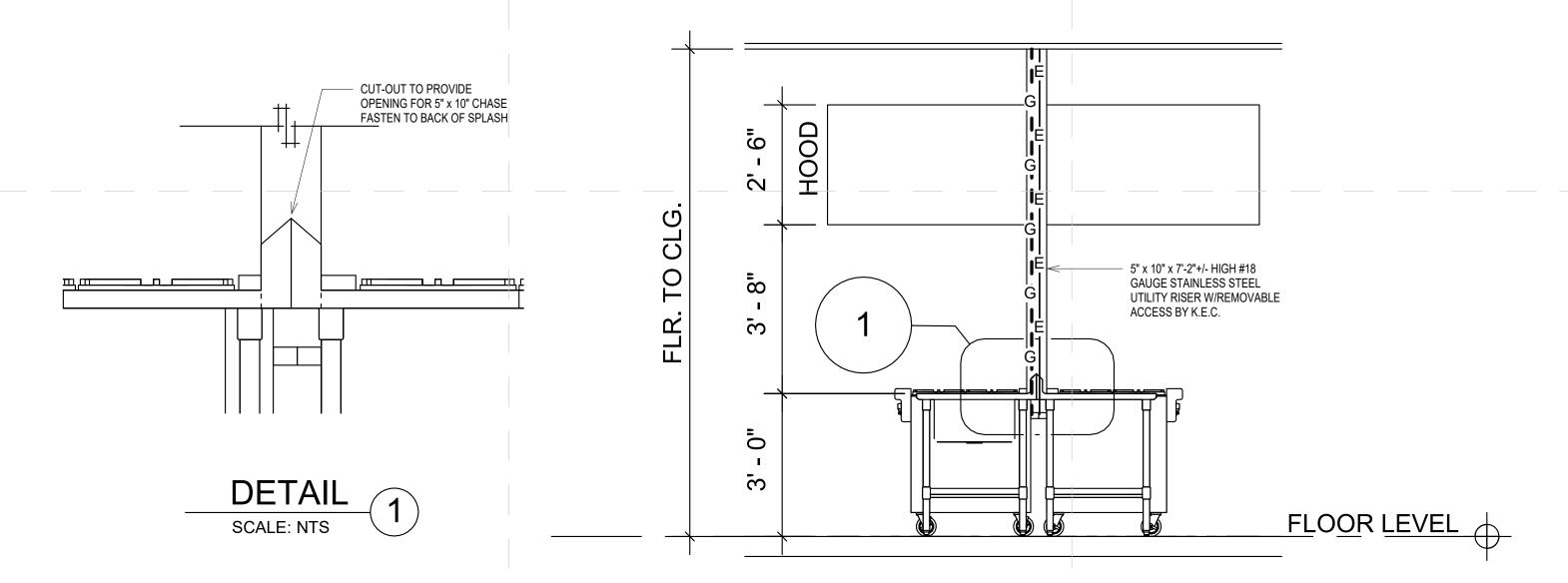
NO SCALE:



PLUMBING SCHEDULE												
	WATER WASTE GAS R.I. HGT. GPH @ CONN.											
R.I. #	HW	CW	DIR	IND	SIZE	MBH	A.F.F.	140°F	SIZE	HEIGHT	DESCRIPTION	EQ. #
4	4 /0"	4 /0"					OTUD		4 /0!!	40"	DDED OINIK FALIOFT	40
•	1 1/2" 1/2" STUB 1/2" 40" PREP SINK FAUCET						13					
2	4 (0)	4 (01)		1 1/2"			0.011		1 1/2"	22"	PREP SINK DRAIN (2)	13
3	1/2"	1/2"					30"		1/2"	40"	PREP SINK FAUCET	13
4				1 1/2"					1 1/2"	22"	PREP SINK DRAIN (2)	13
5	1/2"	1/2"					26"		1/2"	40"	HAND SINK FAUCET	14
6			1 1/2"				24"		1 1/2"	28"	HAND SINK DRAIN	14
8					3/4"	160	D.F.A.		3/4"	30"	GRIDDLE	25
9					1"	240	D.F.A.		1"	30"	FRYER ASSEMBLY	30
10					3/4"	108	D.F.A.		3/4"	30"	CHARBROILER	31
11	1/2"	1/2"					STUB		1/2"	34"	WORKCOUNTER SINK FAUCET	34
12				1 1/2"			8"/40"		1 1/2"	8"	COMBI OVEN DRAIN (2)	34
13					1"		D.F.A.		1"	78"	BRANCH TO:	
13a.				'	3/4"	164	D.F.A.		3/4"	30"	4-BURNER RANGE GAS INLET	36
13b.					3/4"	164	D.F.A.		3/4"	30"	4-BURNER RANGE GAS INLET	36
14	1/2"	1/2"							1/2"	40"	PREP SINK FAUCET	42
-15				1 1/2"					— 1 1/2 "	22"	PREP SINK DRAIN (2)	42
16	1/2"	1/2"					26"		1/2"	40"	HAND SINK FAUCET	43
17			1 1/2"				24"		1 1/2"	28"	HAND SINK DRAIN	43
18	1/2"	1/2"					26"		1/2"	36"	EYE WASH STATION INLET	44
19			1 1/4"				24"		1 1/4"	28"	EYE WASH STATION DRAIN	44
20				1 1/2"					1 1/2"	22"	SOILED DISHTABLE DRAIN	49
21	1/2"	1/2"					15"		1/2"	20"	SCRAP COLLECTOR INLET	50
22	<u> </u>	-	2"				24"		2"	28"	SCRAP COLLECTOR DRAIN	50
23	1/2"	1/2"	_				26"		1/2"	40"	RETRACTABLE HOSE REEL INLET	51
24	3/4"						8"		3/4"	6"	DISHMACHINE	52
25	<i>Oi</i> .	1/2"							1/2"	12"	WATER TEMP DEVICE	52
26				1 1/4"					1 1/4"	10"	DISHMACHINE DRAIN	52
27			3"	1/ 1			STUB		3"	3"	MOP SINK DRAIN	57
28	1/2"	1/2"					36"		1/2"	36"	MOP SINK FAUCET	57
29	1/2"	1/2"					D.F.A.		1/2"	48"	WASHER SUPPLY/DRAIN BOX	58
30	1/2	1/2	1 1/2"				36"		1 1/2"	36"	WASHER SUPPLY/DRAIN BOX	58
31	3/4"		1 1/2				72"		3/4"	66"	1	59
32	3/4		3"				STUB		3"	-10"	PRESSURE WASHER INLET (120°F) FLOOR TROUGH DRAIN	60
33			3	1/2"			SIUD		3 1/2"	81"		61
	1/0"	4/0"		1/2			26"				BLOWER COIL DRAIN	
34	1/2"	1/2"	1 1/0"				26"		1/2"	40"	HAND SINK FAUCET	63
35	4 /0"	4/0"	1 1/2"				24"		1 1/2"	28"	HAND SINK DRAIN	63
38	1/2"	1/2"		0"			STUB		1/2"	40"	WORKTABLE W/SINK FAUCET	E21
39	0/4"	0/4"		2"			4 = "		2"	10"	WORKTABLE W/SINK DRAIN	E21
40	3/4"	3/4"					15"		3/4"	40"	POT AND PAN SCRUBBER FAUCET	E40
41	3/4"			0"			12"		3/4"	34"	POT & PAN SCRUBBER AUTO FILL	E40
42				2"					2"	22"	POT WASHING SINK DRAIN (4)	E40
43				3/4"					3/4"	@CLG.	BLOWER COIL DRAIN	E48
44				3/4"					3/4"	@CLG.	BLOWER COIL DRAIN	E76
45				1/2"					1/2"	80"	CONDENSATE CANOPY DRAIN	53
46					3/4"	195	D.F.A.		3/4"	D.F.A.	BOOSTER HEATER GAS INLET	68
47				3/4"					3/4"	6"	BOOSTER HEATER DRAIN	68

NOTE: R.I. #7,#36 & #37 ARE SPARE NUMBERS.

NOTE: R.I. #40, #41 EXISTING TO REUSED. PLUMBING CONTRACTOR TO FIELD VERIFY THE POINT OF CONNECTION.



UTILITY RISER DETAIL SCALE: NTS

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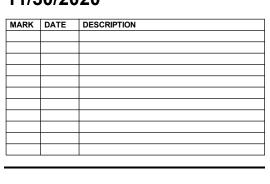
CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN

317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

BALTIMORE, MD CONTACT: ANNE STAHL

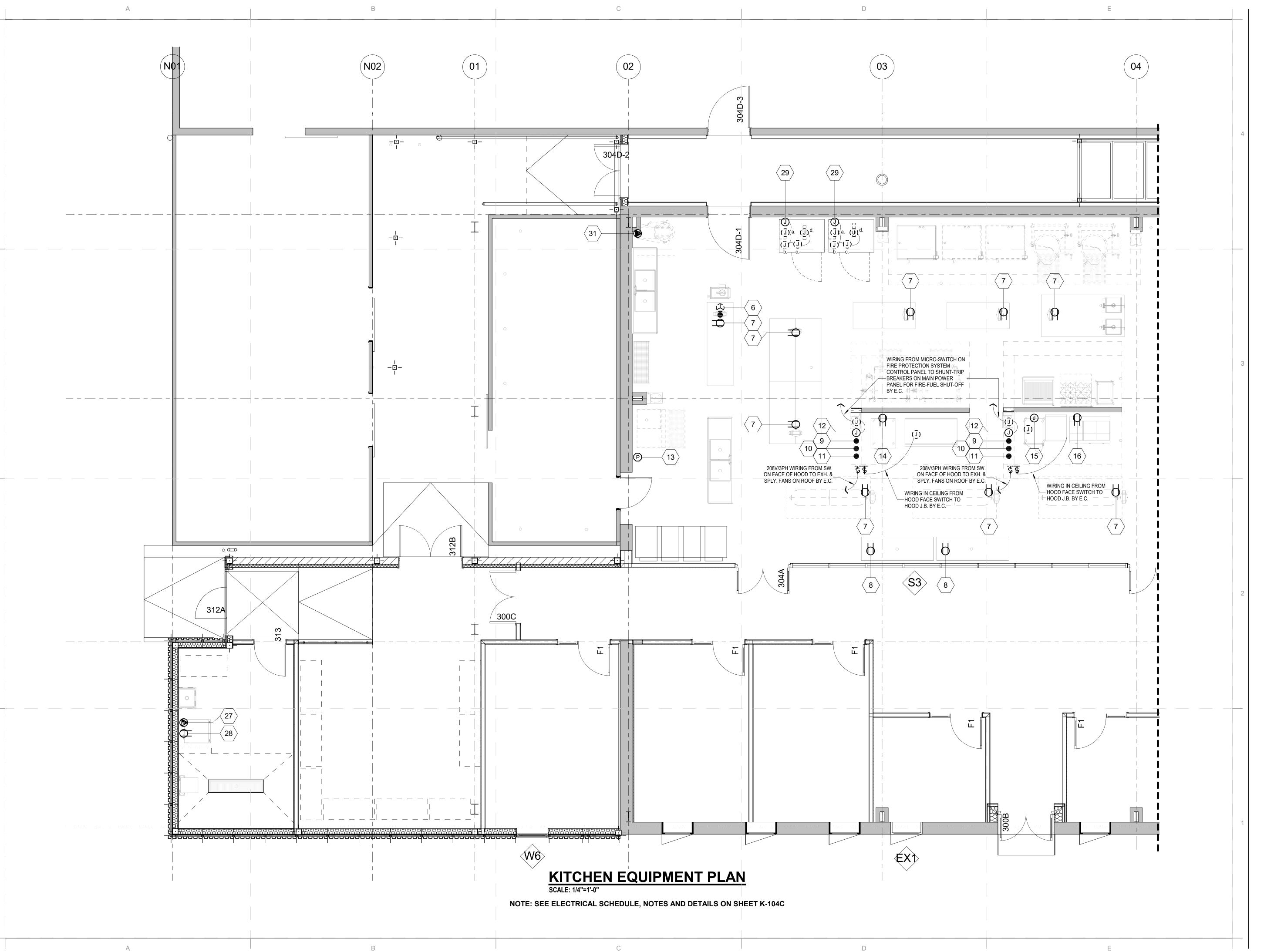
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PLUMBING SCHEDULE, **NOTES AND DETAILS**

K-103C



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project name:

MARYLAND FOOD BANK

project number: 2006

2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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443.297.5196 / rcondon@mdfoodbank.org FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN 443.297.5161 / aaceto@mdfoodbank.org

CONTACT: RICK CONDON

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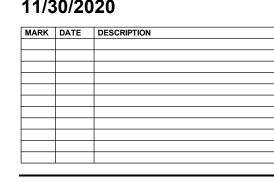
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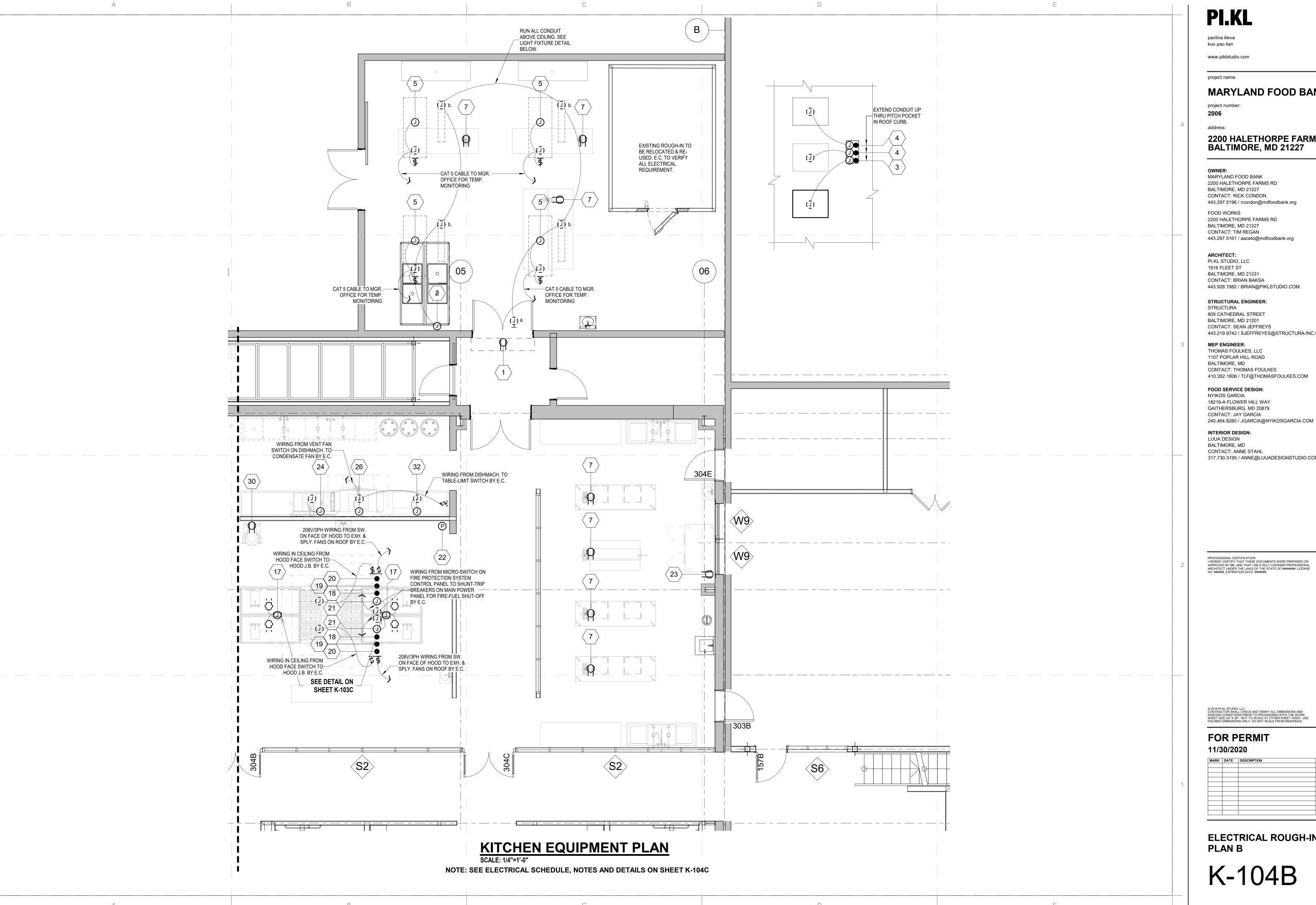
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ELECTRICAL ROUGH-IN PLAN A

K-104A



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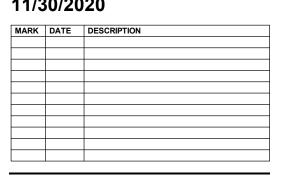
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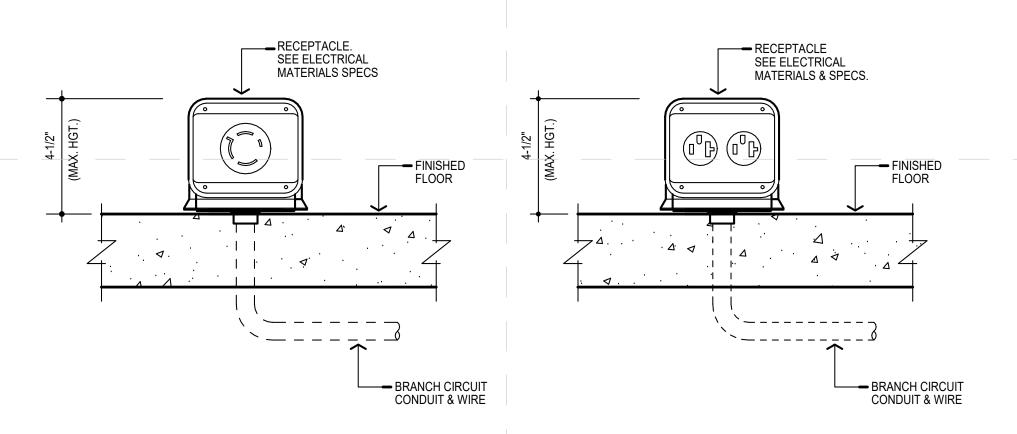
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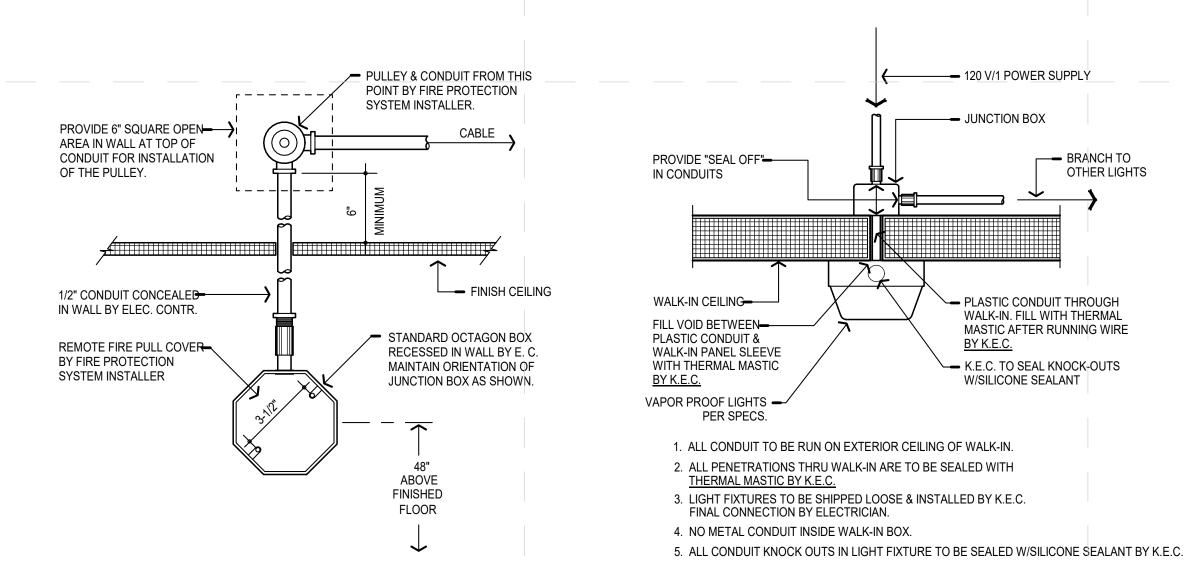


ELECTRICAL ROUGH-IN PLAN B

K-104B



FLOOR RECEPTACLE DETAIL SCALE: NTS.



REMOTE FIRE PROTECTION **PULL STATION DETAIL**

WALK-IN LIGHT INSTALLATION DETAIL

									E.C. TO PROVIDE					
R.I.#	HP	KW	AMP	VOLTS	PH	R.I. HGT. A.F.F.	DESCRIPTION	E.Q. NO.	CORD & PLUG RECI	P. DISC.	J.B.			
1	1 1/2 120 1 114" FLY FAN RECEP.													
2						114"	BRANCH TO:				0			
2a.		1.5 KW		120	1		DOOR LIGHT, HEATER, ALARM	E76						
2b.		32W (4)		120	1		L.E.D. LIGHT FIXTURE (4)	E76						
3			35.20	208	3	STUB	COOLER COMPRESSOR RACK (CLEAN ROOM)	8			0			
4				208	3	STUB	COOLER COMPRESSOR RACK (BLAST CHILLER/SHOCK FREEZER)	8A			0			
5			2.40	120	1	@CLG.	COOLER BLOWER COIL (4)	8			0			
6			6.5	208	3	STUB	VEGETABLE CHOPPER RECEP.	16	0					
7			20.0	120	1	@CLG.	RETRACTABLE CORD REEL RECEP.	18	0					
8			6.0	120	1	@CLG.	TRAY LIDDER/PACKAGING MACHINE RECEP. (FUTURE)	22	0					
9			20.0	120	1	D.F.A.	VENTILATOR CONTROL PANEL	24			0			
10			19.80	208	3	D.F.A.	VENTILATOR EXHAUST CONTROL PANEL	24			0			
11			11.90	208	3	D.F.A.	VENTILATOR MAKE-UP-AIR CONTROL PANEL	24			0			
12			20.0(Cir.)	120	1	108"	FIRE PROTECTION SYSTEM	24			0			
13			, ,		ı	48"	HEXAGON J-BOX, FIRE PULL	24			0			
14			4.20	120	1	86"	REACH-IN REFRIGERATOR RECEP.	27	0					
15			37.0	208	1	76"	SMOKER OVEN RECEP.	28			0			
16			9.0	120	1	18"	FRYER ASSEMBLY RECEP.	30	0					
17			3.20	120	1	D.F.A.	UNDERCOUNTER REFRIGERATOR RECEP.	35			0			
18			20.0	120	1	D.F.A.	VENTILATOR CONTROL PANEL	37			0			
19			18.80	208	3	D.F.A.	VENTILATOR EXHAUST CONTROL PANEL	37			0			
20			8.20	208	3	D.F.A.	VENTILATOR MAKE-UP-AIR CONTROL PANEL	37			0			
21			20.0(Cir.)	120	1	108"	FIRE PROTECTION SYSTEM	37			0			
22						48"	HEXAGON J-BOX, FIRE PULL	37			0			
23			10.0	120	1	86"	REACH-IN FREEZER RECEP.	45	0					
24	3/4			208	3	18"	SCRAP COLLECTOR	50			0			
26			52.0	208	3	72"	DISHMACHINE	52			0			
27			30.0	120/208	1	48"	CLOTHES DRYER RECEP.	58	0					
28			15.0	120	1	48"	CLOTHES WASHER RECEP.	58						
29						114"	BRANCH TO:				0			
29a				208	1	114"	BLOWER COIL	61			0			
29b				120	1		CONTROL PANEL	61			_			
29c			.50	120	1		HEATED RELIEF PORT	61						
29d			1.0	120	1		L.E.D. LIGHT FIXTURE	61						
30			-	-		36"	MIXER, 30-RECEP.	E4	0					
31						36"	MIXER, 60-RECEP.	E8	0					
32			3.0	120	1	12"	DISHMACHINE-BOOSTER HEATER	52			0			

NOTE: R.I. #25 IS SPARE NUMBER.

- (1) SEE SHEET __ FOR EXACT LOCATION. ITEM FURNISHED W/MAIN-FUSED DISCONNECT SWITCH.
- (2) EXTEND CONDUIT DOWN FROM JUNCTION BOX MOUNTED ABOVE FINISH CEILING TO CONTROL PANEL BY E.C. SEE SHEET K-502, K-503, K-504, K-505 & K-506 FOR FURTHER VENTILATOR DETAILS.
- (3) EXTEND 1/2" DIA. OPEN RIGID CONDUIT FROM TOP OF PULL BOX UP IN WALL TO 6" ABOVE FINISH CLG. BY E.C.
- (4) NOTE: ELECTRICAL CONTRACTOR TO FIELD VERIFY EXISTING EQUIPMENT ELECTRICAL LOAD REQUIREMENTS.
- NOTE: ITEM #66 ELECTRIC CAN OPENER POWER THRU RETRACTABLE CORD REEL.

ELECTRICA	AL SYMBOLS
SYMBOL	DESCRIPTION
0	JUNCTION BOX W/FINAL CONN. TO EQUIPMENT
<u>(ī)</u>	JUNCTION BOX (INSTALLED IN EQUIPMENT BY K.E.C. OR MFR.)
\Rightarrow	DUPLEX CONVENIENCE OUTLET
ヹヺ	DUPLEX CONVENIENCE OUTLET (INSTALLED IN EQUIP. BY K.E.C. OR MFR.)
	POWER OUTLET, 1 PHASE
\otimes	POWER OUTLET, 3 PHASE
\$	SWITCH
\$	SWITCH (INSTALLED IN EQUIPMENT BY K.E.C. OR MFR.)
P	OCTAGON J-BOX, FIRE PULL
[L <u>.E.D</u> .]	L.E.D. LIGHT FIXTURE
D.F.A.	DOWN FROM ABOVE
#	ROUGH-IN NUMBER (SEE ELECTRICAL SCHEDULE)

KITCHEN ELECTRICAL GENERAL NOTES:

- ELECTRICAL SYSTEM IS DESIGNED FOR 208 VOLT, 3-PH, 4-WIRE, 60 HERTZ. ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT
- ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. THIS ELECTRICAL PLAN IS INTENDED TO SHOW ROUGH-IN OUTLET TYPES, HEIGHTS AND LOCATIONS, AND CONNECTION POSITIONS AND LOAD REQUIREMENTS. ALL DIMENSIONS

SHOWN ARE FROM FINISHED WALLS AND FINISHED FLOORS. VERIFY FINISH WALL

- PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS. ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX, PULL BOX, OR CONTROL PANEL ON THE EQUIPMENT IN AN ACCESSIBLE POSITION. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX, AND ALL ELECTRICAL WORK FROM MAIN PANEL
- BOARDS SHALL BE BY THE ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE PERFORMED BY THE ELECTRICAL
- CONTRACTOR, INCLUDING MATERIALS. PIPING, CONDUIT, AND SIMILAR CONSTRUCTION, LOCATED OUTSIDE A WALL, MUST BE
- INSTALLED SO THAT THERE IS A MINIMUM OF 3/4 INCH SPACE BETWEEN IT AND THE WALL.
- ELECTRICAL CONTRACTOR (E.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING: A. ALL JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLETS, JUNCTION BOXES, COVER PLATES, ETC. IN DISHROOMS OR AS INDICATED ON SCHEDULE SHALL BE MOISTURE-PROOF.
- B. ALL PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE N.E.M.A. RATED AND U.L. APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.
- C. SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE CONTROL SYSTEM SHUT-OFF OF FOODSERVICE EQUIPMENT BENEATH HOODS/VENTILATORS AS REQUIRED BY N.F.P.A.-96, LATEST EDITION, AND LOCAL CODES.
- D. DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODES. WHEN APPLICABLE, ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING, INSTALL
- ELECTRICAL COMPONENTS (PROVIDED BY K.E.C.), AND INTERWIRE BETWEEN THE FOLLOWING: A. REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS. B. WALK-IN COOLER/FREEZER LIGHTS (RUN CONDUIT ABOVE COMPARTMENT CEILING).
- C. REMOTE WALK-IN COOLER/FREEZER ALARM SYSTEMS (WHEN USED).
- D. CONTROL PANELS TO VENTILATORS AND EXHAUST/SUPPLY FANS PER MANUFACTURER'S
- E. KITCHEN EXHAUST HOODS/VENTILATORS TO FIRE CONTROL SYSTEM, BUILDING ANNOUNCIATOR AND SHUT-OFF.

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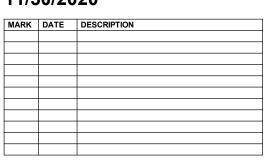
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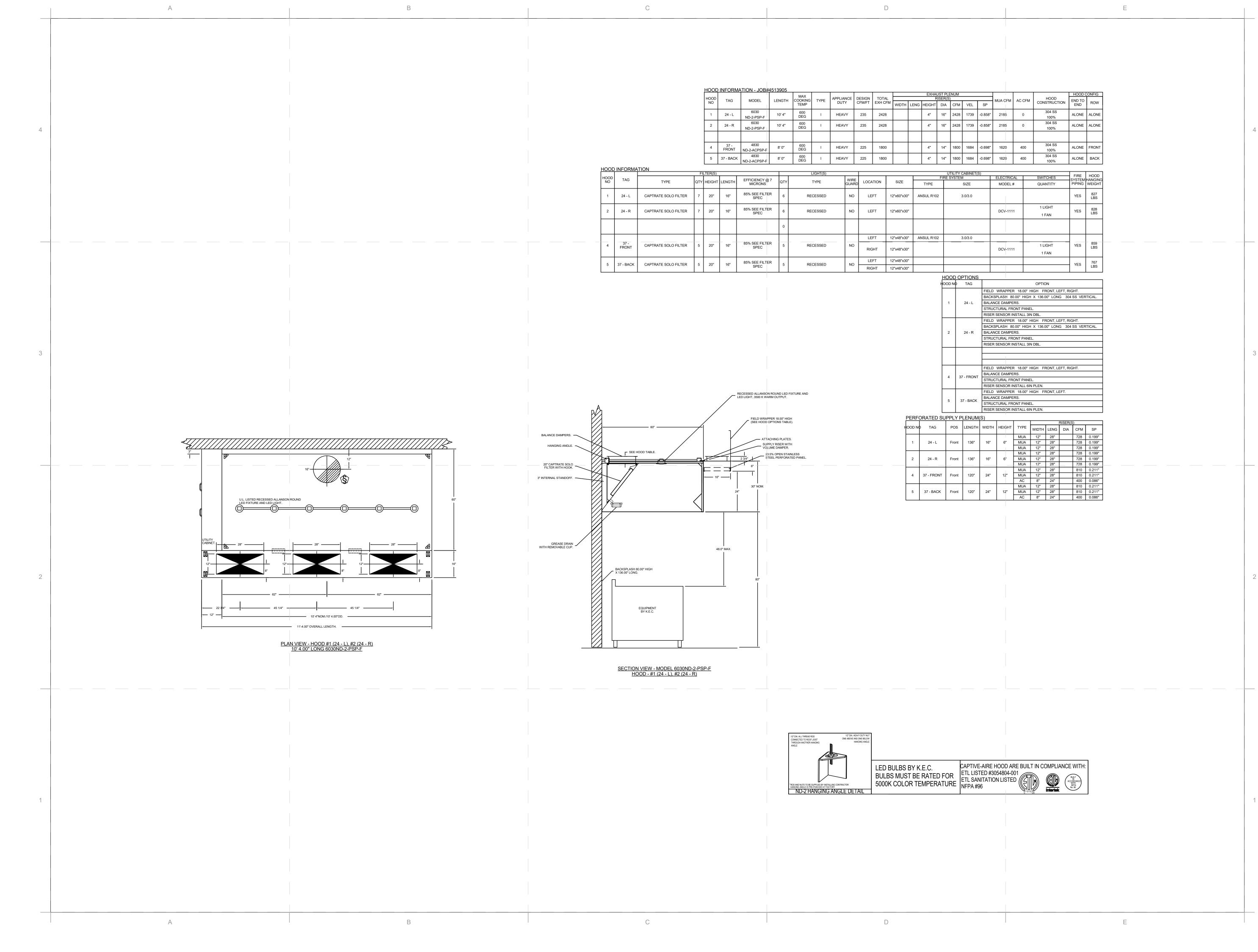
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ELECTRICAL SCHEDULE, NOTES AND DETAILS

K-104C



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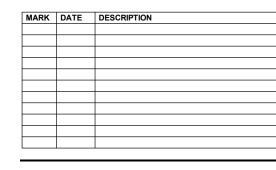
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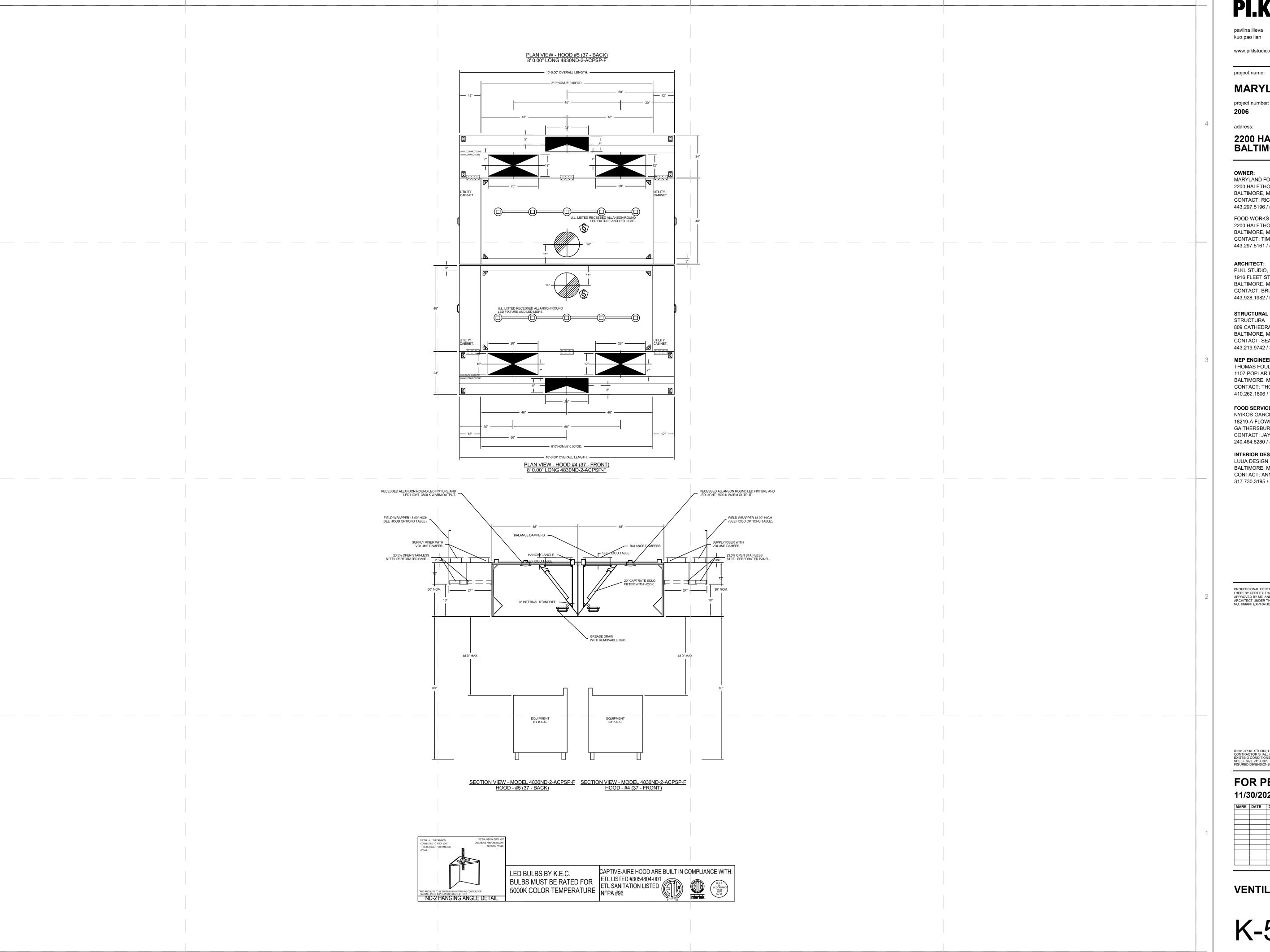
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VENTILATOR DETAILS



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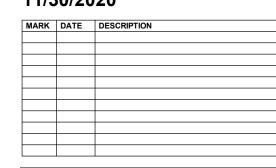
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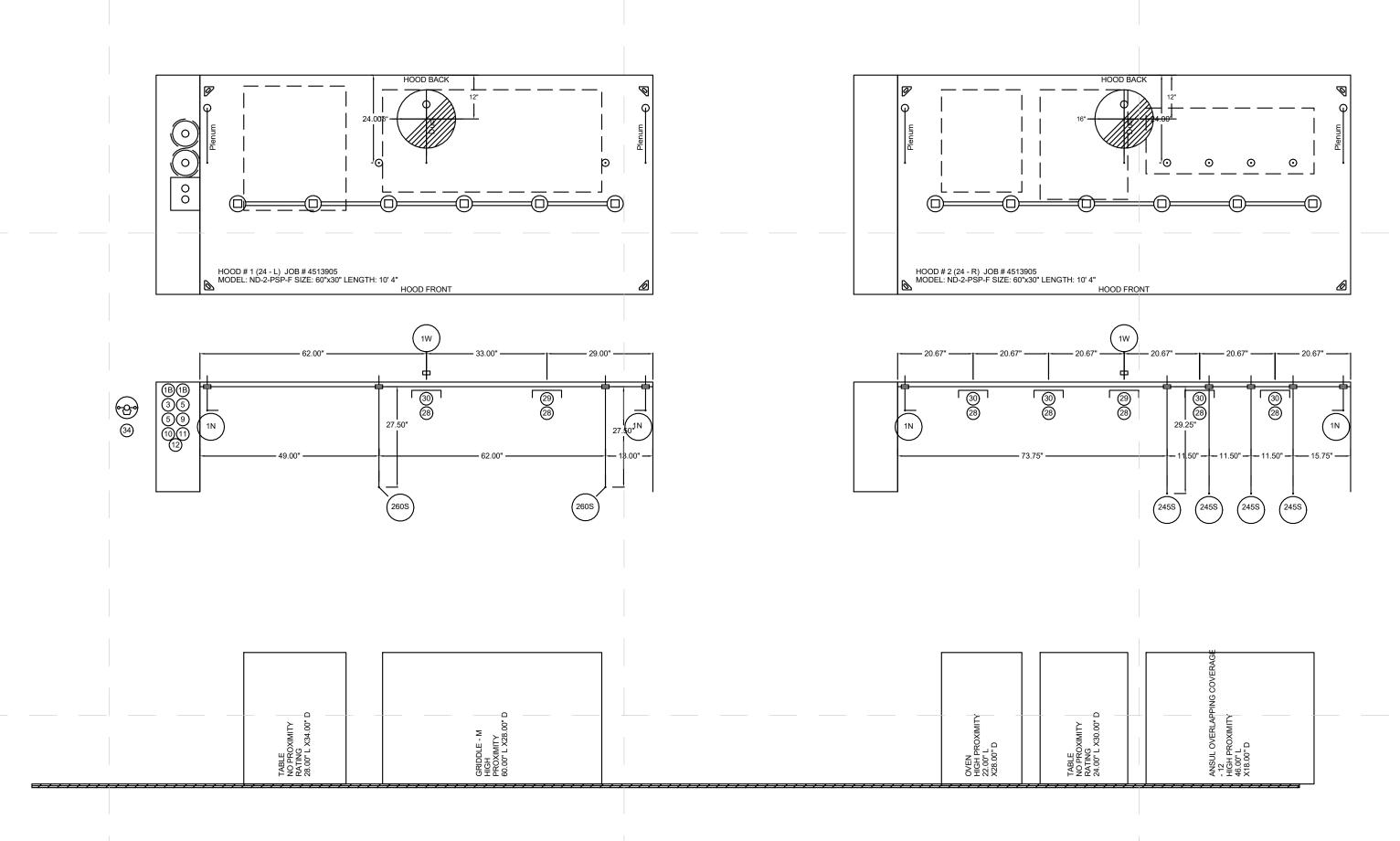
SPECIFICATIONS

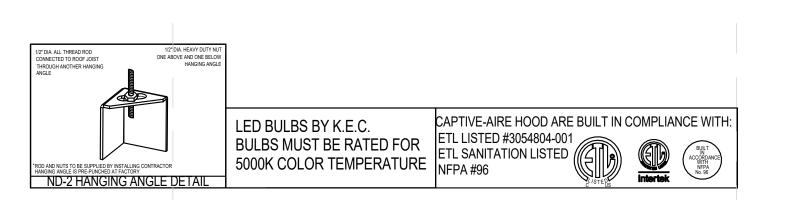
THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.





INSTALLATION LOCATION ON HOOD SYSTEM

> - FIELD PIPE DROPS AS SHOWN SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS. RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS. IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE. FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD. - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE. - THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS JOB NAME: MARYLAND FOOD BANK - BALTIMORE, MD_R3). SYSTEM SIZE: ANSUL-3.0/3.0 TOTAL FP REQUIRED: 18. HOOD # 1 10' 4.00" LONG x 60" WIDE x 30" HIGH. RISER # 1 SIZE: 16" DIA. HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

LEGEND - FIRE CABINET ANSUL SYSTEM 1.5 GALLON TANK 3 GALLON TANK OEM AUTOMAN RELEASE OEM REGULATED RELEASE OEM REGULATED ACTUATOR ANSULEX LIQUID AGENT (3 GAL.) ANSULEX LIQUID AGENT (1.5 GAL.) CARTRIDGE (101-20)

HOOD # 2 10' 4.00" LONG x 60" WIDE x 30" HIGH.

HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

RISER # 1 SIZE: 16" DIA.

CARTRIDGE (LT-A-101-30) DOUBLE TANK CARTRIDGE TEST LINK DOUBLE MICROSWITCH HOSE ASSEMBLY 1100 DUCT NOZZLE (430913) 2W DUCT NOZZLE (419337) NOZZLE ASSEMBLY (419336) NOZZLE ASSEMBLY (419333) NOZZLE ASSEMBLY (419335) 1/2N NOZZLE ASSEMBLY (419334)

CARTRIDGE (101-10) CARTRIDGE (101-30)

3N NOZZLE ASSEMBLY (419338) 245 NOZZLE ASSEMBLY (419340) 230 NOZZLE ASSEMBLY (419339) 2120 NOZZLE ASSEMBLY (419343) 290 NOZZLE ASSEMBLY (419342) 260 NOZZLE ASSEMBLY (419341) 28 DETECTOR BRACKET

HIGH TEMP FUSIBLE LINK MGV MECHANICAL GAS VALVE EGV ELECTRICAL GAS VALVE REMOTE MANUAL PULL STATION SWIVEL ADAPTOR

PI.KL

pavlina ilieva kuo pao lian

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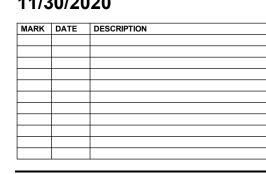
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INTERIOR DESIGN: LUUA DESIGN BALTIMORE, MD CONTACT: ANNE STAHL 317.730.3195 / ANNE@LUUADESIGNSTUDIO.COM

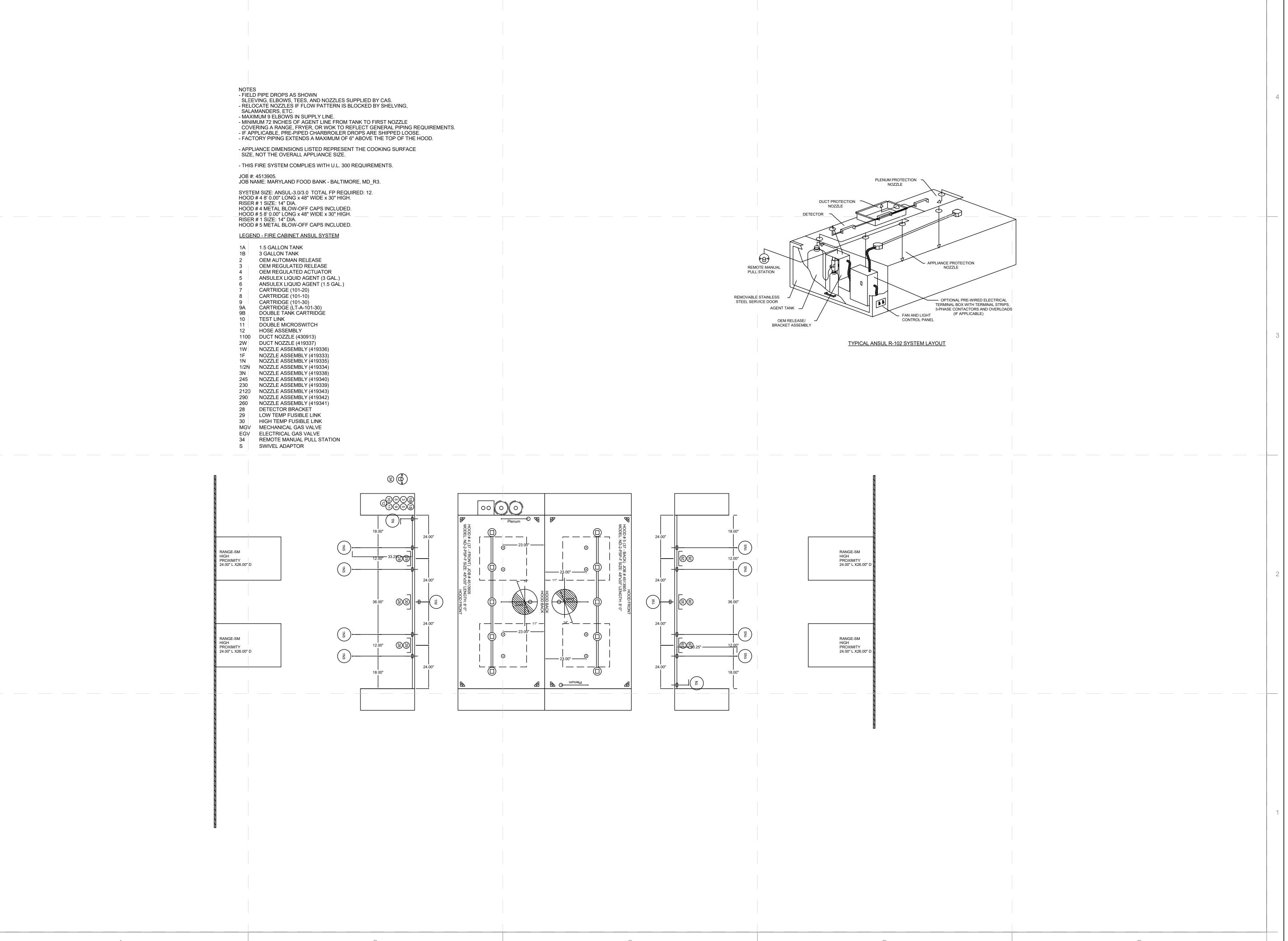
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FIRE SYSTEM DETAILS



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MARYLAND FOOD BANK

project number:

2006

2200 HALETHORPE FARMS, RD

BALTIMORE, MD 21227

MARYLAND FOOD BANK 2200 HALETHORPE FARMS RD

BALTIMORE, MD 21227 CONTACT: RICK CONDON

443.297.5196 / rcondon@mdfoodbank.org FOOD WORKS 2200 HALETHORPE FARMS RD BALTIMORE, MD 21227 CONTACT: TIM REGAN

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1107 POPLAR HILL ROAD BALTIMORE, MD CONTACT: THOMAS FOULKES 410.262.1806 / TLF@THOMASFOULKES.COM

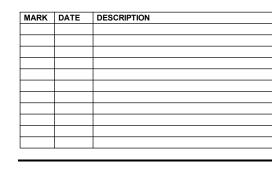
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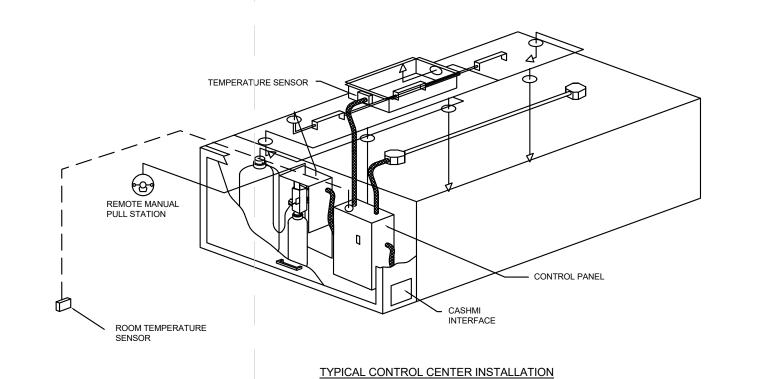
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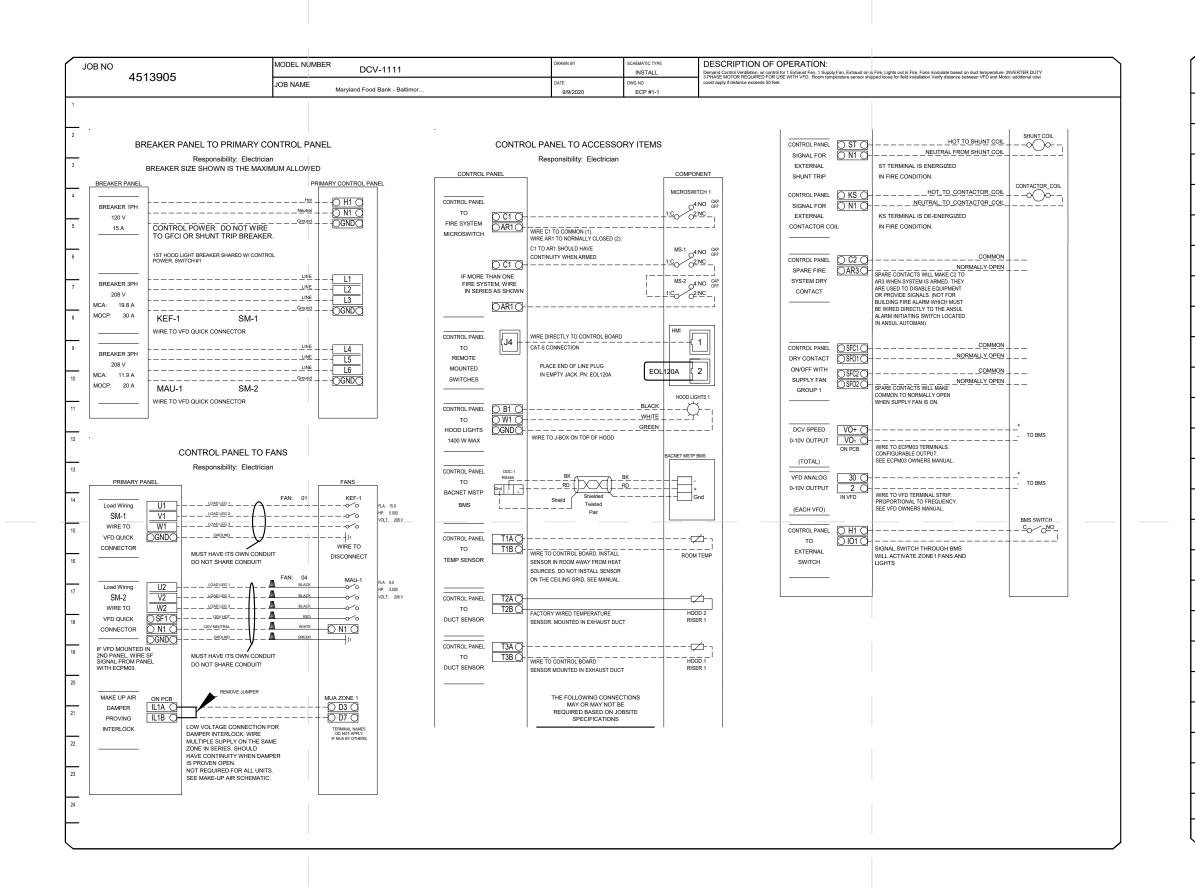
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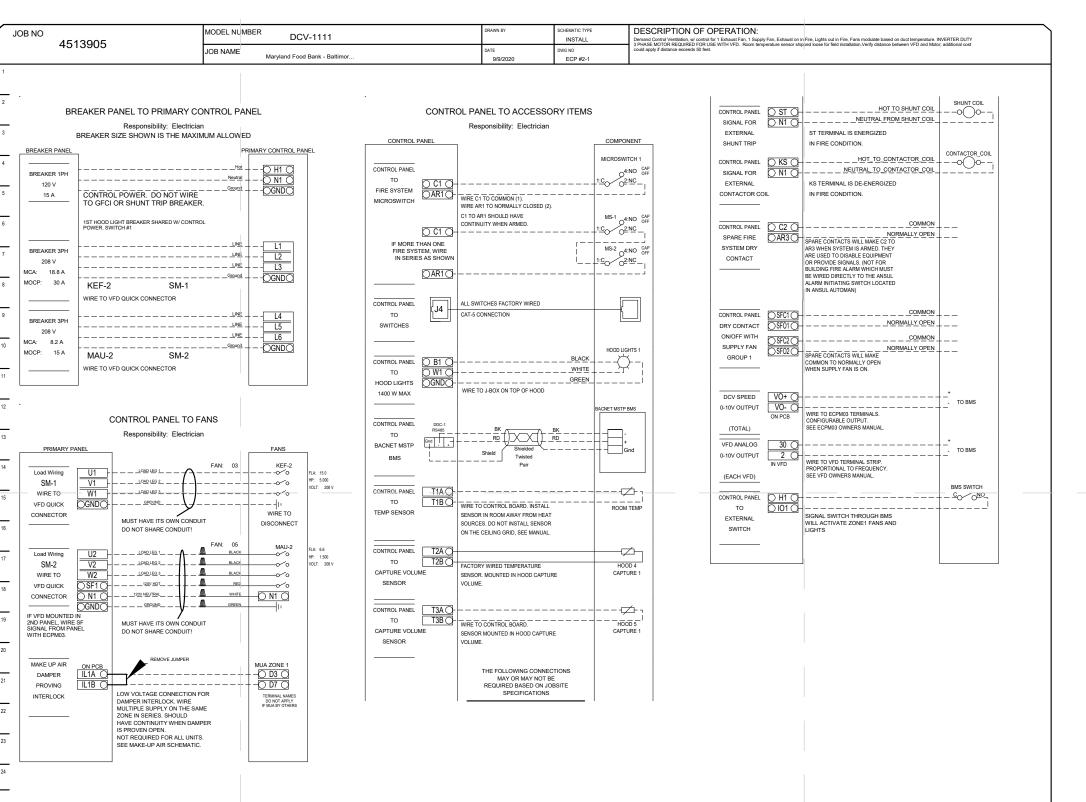


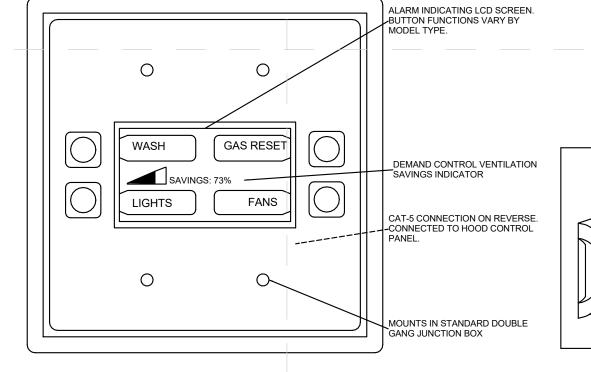
FIRE SYSTEM DETAILS



Е	LE	CTRICAL	LPACKA	GE - JOB#4513905									
NO	0	TAG	PACKAGE#		SWITCHES		OPTION FANS CONTROLLED						
	Ĭ				LOCATION	QUANTITY	G. 1.G.	FAN TAG	TYPE	ф	HP	VOLT	FLA
Γ	1 24.2	24.2	DCV 1111	UTILITY CABINET LEFT	03 - UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS DCV	KEF-1	EXHAUST	3	5.000	208	15.8
	<u> </u>	24.2	DOV-1111		HOOD # 2	1 FAN		MAU-1	SUPPLY	3	3.000	208	9.5
Г	2 27	37.2	DCV-1111 I	JTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DCV	KEF-2	EXHAUST	3	5.000	208	15.0
		31.2		TILITY CABINET RIGHT	HOOD # 4	1 FAN	SIVIANT CONTROLS DCV	MAU-2	SUPPLY	3	1.500	208	6.6







ROOM TEMPERATURE SENSOR The Room Temperature sensor is a 10K Ohm Thermistor. The sensor provides constant room temperature to the controller. It should be installed on a wall somewhere in the space but not directly under the hood or close to an appliance so that the reading is not affected by heat. Typically a system will have one room temperature sensor. However, systems configured with 2 fan zones have the option to be ordered with 2 room temperature sensors, one for each zone. They should be mounted in the space accordingly.

pavlina ilieva kuo pao lian

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2200 HALETHORPE FARMS, RD **BALTIMORE, MD 21227**

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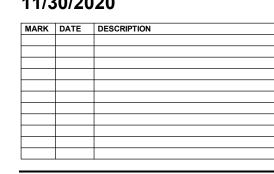
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GAITHERSBURG, MD 20879 CONTACT: JAY GARCIA 240.464.8280 / JGARCIA@NYIKOSGARCIA.COM INTERIOR DESIGN: LUUA DESIGN

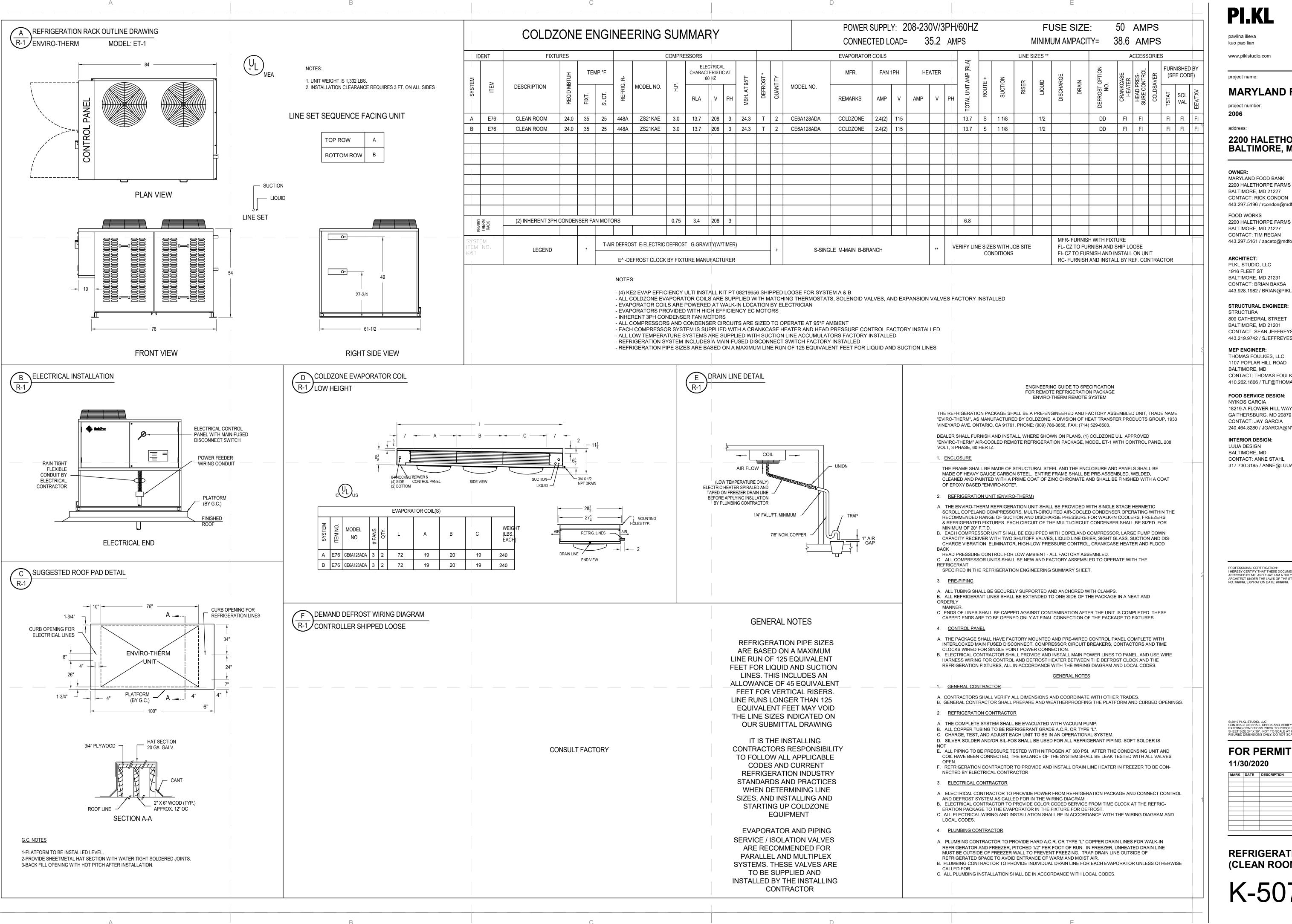
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VENTILATOR WIRING DIAGRAM



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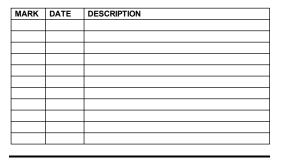
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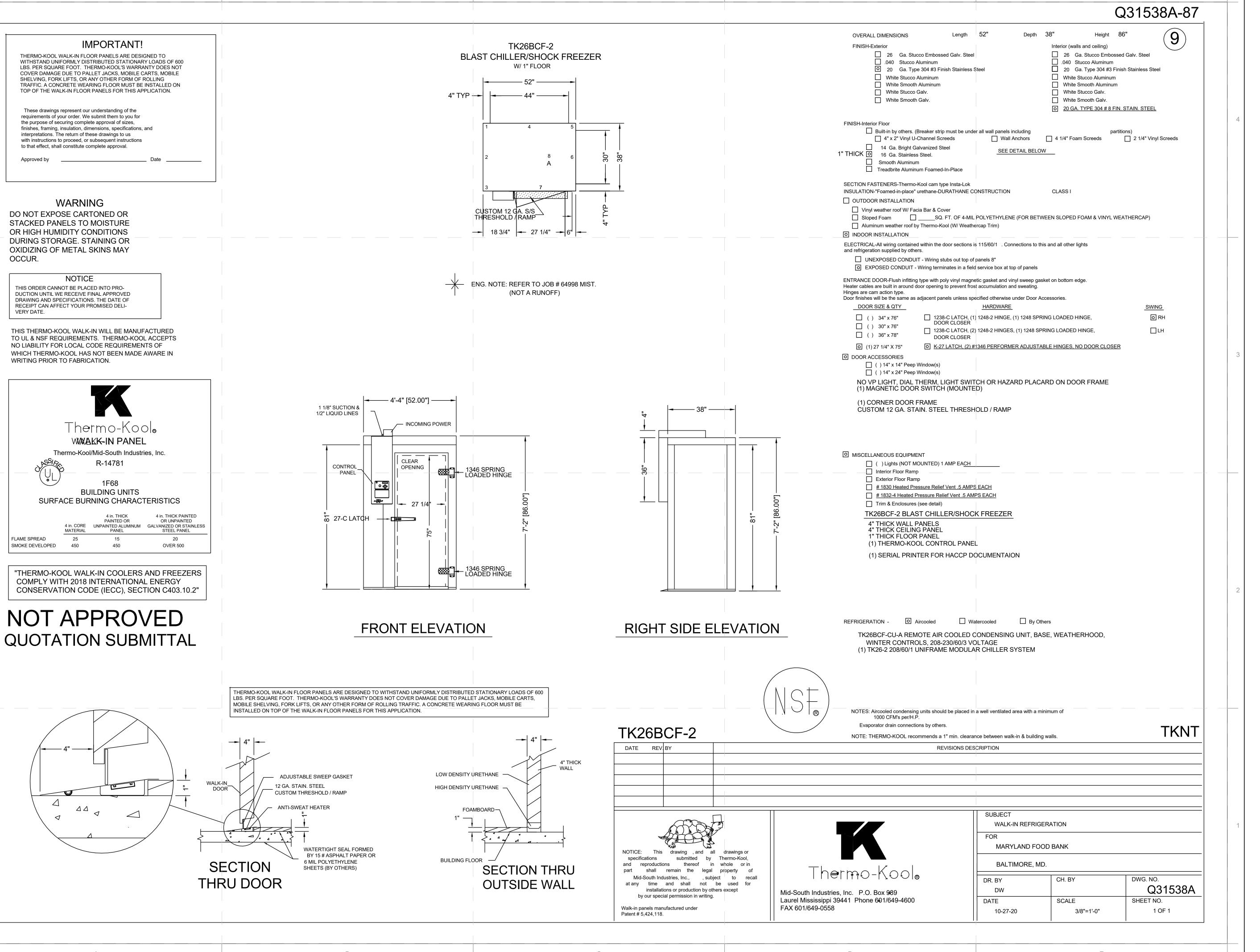
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REFRIGERATION SYSTEM (CLEAN ROOM)



PI.K

pavlina ilieva kuo pao lian

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2006

project name:

MARYLAND FOOD BANK

project number:

2200 HALETHORPE FARMS, RD BALTIMORE, MD 21227

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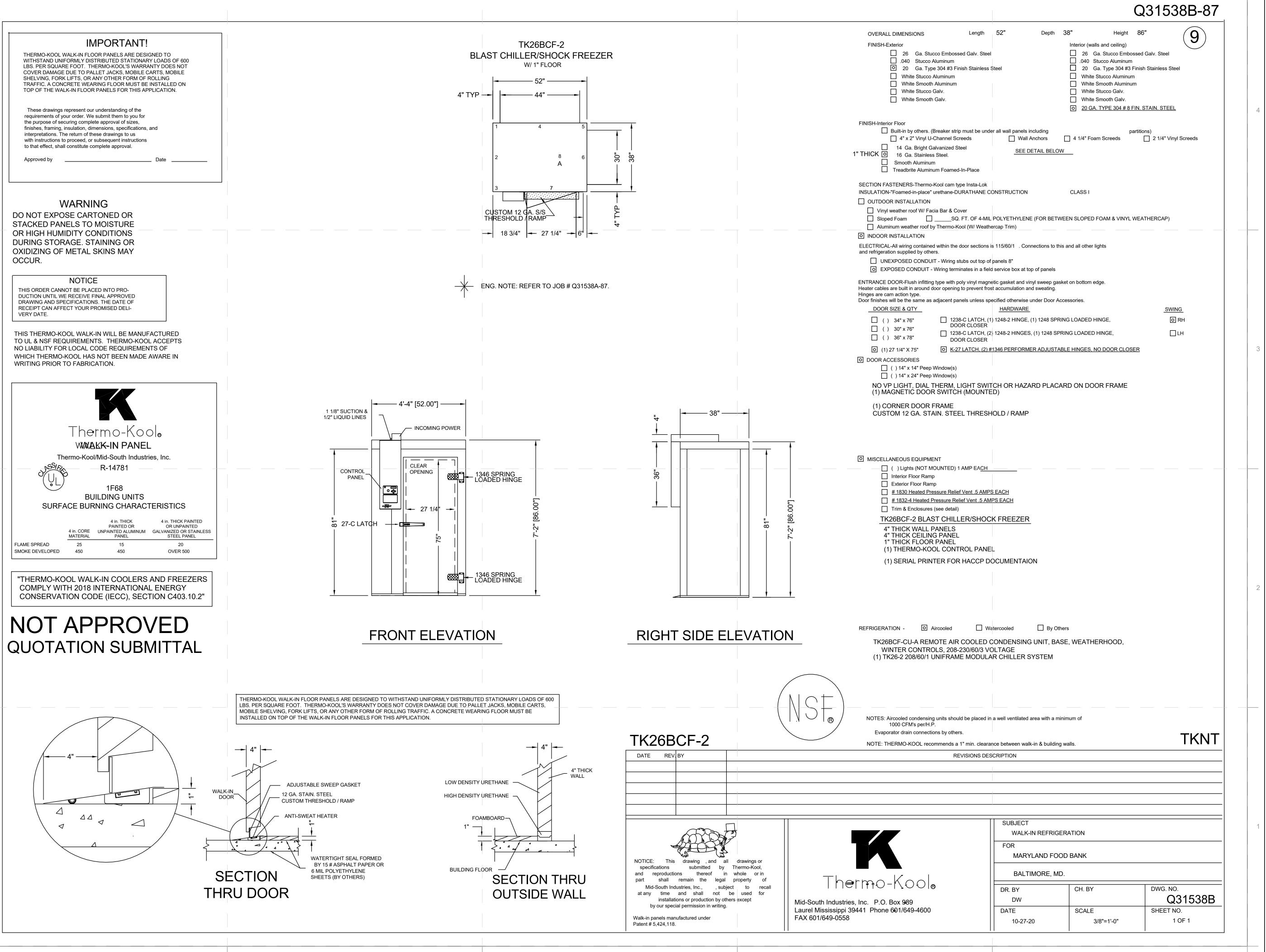
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REFRIGERATION SYSTEM (BLAST CHILLER/SHOCK FREEZER)

K-508



PI.K

pavlina ilieva

kuo pao lian

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project name:

MARYLAND FOOD BANK

project number:

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dress:

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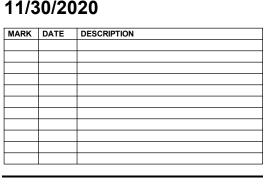
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REFRIGERATION SYSTEM (BLAST CHILLER/SHOCK FREEZER)

K-509