HY-VEE INC.

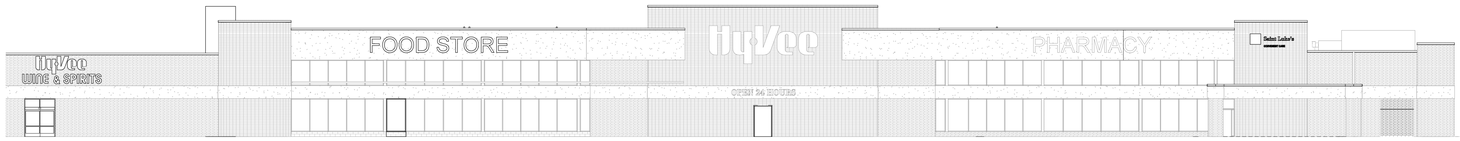
5820 Westown Parkway West Des Moines, Iowa 50266

Hy-Vee® EMPLOYEE OWNED

PROJECT LOCATION:

LEE'S SUMMIT, MO #2

310 SW WARD RD, LEE'S SUMMIT, MO 64081



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	ED1.0B	ELECTRICAL DEMOLITION PLAN - PART B
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	R2.0	REFRIGERATION PIPING FLOOR PLAN
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	R3.0	REFRIGERATION SCHEDULES AND MACHINE ROOM LAYOUT
	R3.1	REFRIGERATION STRUCTURAL COORDINATION
	R4.0	REFRIGERATION LEGEND AND LINE SIZING SCHEMATIC
	R4.1	REFRIGERATION LEGEND AND LINE SIZING SCHEMATIC
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	R4.3	REFRIGERATION LEGEND AND LINE SIZING SCHEMATIC
	R4.4	REFRIGERATION EXISTING FLOOR PLAN
	R5.0	PIPING DETAILS
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1 REMOVE SHEETS XE4.0 AND XE4.0A FROM THE DRAWING SCHEDULE IN THEIR ENTIRETY.

1 ASI #1 - 11/12/20

2 ASI #2 - 01/08/21

SCOPE OF WORK

- NEW WINE AND SPIRITS DEPARTMENT IN ADJACENT STORAGE SPACE
- NEW OFFICES AND EMPLOYEE LOUNGE IN ADJACENT STORAGE SPACE
- REMOVE MARKET GRILLE RESTAURANT AND ADD CASUAL SEATING AREA
- ADD STARBUCKS KIOSK
- ADD SUSHI ISLAND
- REMODEL AT KITCHEN AND PREP AREAS
- ADD DELICATESSEN DEPARTMENT
- NEW PRODUCE PREP AND PRODUCE COOLER
- ADD CUSTOMER REACH IN DOORS TO DAIRY COOLER
- RESET CENTER STORE FIXTURES
- NEW PHARMACY AND CLINIC
- NEW FLORAL DEPARTMENT
- NEW CUSTOMER SERVICE & AISLES ONLINE GROCERY PICK UP AREA AT FRONT OF STORE

SITE VERIFICATION NOTES

1. THE ARCHITECT HAS MADE A SCOPE VISIT WITH MEASUREMENTS AND PHOTOGRAPHS OF EXISTING CONDITIONS AND THE ARCHITECTURAL DRAWINGS INDICATE EXISTING CONDITIONS VERIFIED IN THE FIELD. IT, HOWEVER, REMAINS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE SUBMISSION OF THEIR BID AND TO THE COMMENCEMENT OF ANY WORK. NO ADDITIONAL COMPENSATION WILL BE PAID DUE TO THE CONTRACTOR'S FAILURE TO ACQUAINT THEMSELVES WITH EXISTING SITE CONDITIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO, GRADES, EXTENT OF PAVING, OR UTILITIES.
2. THE CONTRACTOR SHALL FIELD LOCATE AND VERIFY ALL PROPERTY LINES, EASEMENTS, SETBACKS AND RESTRICTIONS. A REGISTERED SURVEYOR SHALL ESTABLISH ALL PROPERTY LINES AND SETBACKS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND CLEARLY FLAG PROPERTY LINES AND SETBACKS. IT REMAINS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DETERMINE EXACT LOCATION OF ALL SAID BOUNDARIES.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES (WHETHER SHOWN OR NOT) PRIOR TO THE SUBMISSION OF THEIR BID OR THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER AND ARCHITECT OF THE DISCOVERY OF EXISTING UTILITIES NOT SHOWN OR NOTED ON DRAWINGS.
4. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF UNDERGROUND UTILITY SERVICES PRIOR TO ANY EXCAVATION.
5. THE CONTRACTOR SHALL VERIFY ALL GRADES AND PROPOSED FINAL GRADES. IF RAMPS, STOOPS, STAIRS, SIDEWALKS, FLATWORK OR PAVING ARE INSTALLED, VERIFY FINAL GRADES SURROUNDING THE NEW CONSTRUCTION AND ADJUST STAIR RISERS, RAMP LENGTHS, LIMITS OF PAVING, ETC., TO ACCOMMODATE THE REQUIRED RAMP SLOPE, RISER HEIGHTS OR PAVING AREAS. ALL RAMPS AND STAIRS SHALL MEET ADA-ADAAGS (OR ADOPTED HANDICAP ACCESSIBILITY REQUIREMENTS). IF THERE IS CONFLICT IN FIELD CONDITIONS, NOTIFY THE CONSTRUCTION MANAGER AND THE ARCHITECT PRIOR TO THE CONSTRUCTION OR ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL VERIFY THE EXISTING FINISH FLOOR ELEVATION AT ALL INTERIOR WALLS OF THE EXISTING BUILDING PRIOR TO ESTABLISHING THE FINISH FLOOR ELEVATION. TO VERIFY FLOOR ELEVATION, THE CONTRACTOR SHALL REMOVE A SMALL PORTION OF THE WALL AT THE PROPOSED OPENING BETWEEN THE INTERIOR WALLS.
7. THE CONTRACTOR SHALL VERIFY EXISTING FOOTING DEPTHS AND MATCH AT NEW ADDITION TO INSURE PROPER BLOCK COURSING. ANY DISCREPANCY SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
8. FOR ANY ROOF WORK REQUIRED AS PART OF THESE DOCUMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MATCH EXISTING ROOF INSULATION THICKNESS UNLESS DIRECTED OTHERWISE. REFER TO THE ROOFING SPECIFICATIONS SECTION.
9. REPORT ANY DISCREPANCIES FOUND IN THE FIELD IMMEDIATELY TO THE CONSTRUCTION MANAGER AND THE ARCHITECT PRIOR TO MAKING ANY STRUCTURAL MODIFICATIONS OR ORDERING OF ANY MATERIALS.
10. ANY DISCREPANCY WITH THE EXISTING SITE CONDITIONS AND/OR THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND INSTRUCTION. THESE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED AND DRAWN ASSUMING EXISTING BUILDING CONDITIONS MATCH THE ORIGINAL DRAWINGS. THE CONTRACTOR, IMMEDIATELY UPON ARRIVAL AT THE SITE, SHALL VERIFY ALL EXISTING STRUCTURAL COLUMN DIMENSIONS, STRUCTURAL BEARING HEIGHTS AND EXISTING DIMENSIONS. IF DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND EXISTING FIELD CONDITIONS, CONTACT THE CONSTRUCTION MANAGER AND THE ARCHITECT IMMEDIATELY TO DETERMINE WHAT ACTION SHOULD BE TAKEN TO MATCH EXISTING CONDITIONS. THE BEGINNING OF CONSTRUCTION BY THE GENERAL CONTRACTOR MEANS ACCEPTANCE OF THE EXISTING CONDITIONS.

DEMOLITION REQUIREMENTS

1. ALL WORK SHALL BE DONE IN A SAFE AND WORKMAN-LIKE MANNER AND IN STRICT ACCORDANCE WITH THE LOCAL AND/OR STATE BUILDING CODES, NATIONAL ELECTRIC CODE (NEC), OSHA, AND ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, AND AUTHORITIES HAVING JURISDICTION.
2. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THEM OF ANY RESPONSIBILITY FOR PERFORMING WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
3. THE EXISTING BUILDING SHALL BE PROTECTED FROM MOISTURE, DUST, AND DEBRIS. INSTALL DUST PARTITIONS OR DRAPES AS REQUIRED AND/OR AS DIRECTED BY THE TENANT'S CONSTRUCTION MANAGER.
4. ANY DAMAGE TO PROPERTY (ADJACENT OR EXISTING), WHICH OCCURS DURING THE PROCESS OF CONSTRUCTION SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE TENANT.
5. NO FLAMMABLE MATERIALS OR LIQUIDS MAY BE STORED IN THE EXISTING BUILDING.
6. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING BUILDING AT ALL TIMES. THIS INCLUDES KEEPING THE BUILDING SECURE FROM PERSONS, ENVIRONMENTAL ELEMENTS, OR HAZARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE INTEGRITY OF ALL EXISTING SECURITY SYSTEMS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM STORE MANAGER PRIOR TO THE MODIFICATION OF ANY EXISTING SECURITY SYSTEM FOR THE OPENING (DEMOLITION) OF ANY EXTERIOR WALL.
7. REMOVE ANY EXISTING ITEMS, SERVICES, FINISHES OR SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW CONSTRUCTION. PROVIDE FURRING FOR CONDUITS AND PIPING, SHOWN OR NOT, AND FINISH OUT FURRING TO MATCH ADJACENT EXISTING FINISHES.
8. REPAIR, RE-ROUTE, AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS FOR THE COMPLETE INSTALLATION AND OPERATIONS OF NEW EQUIPMENT. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT OR RELATED ITEMS AS REQUIRED FOR PROPER OPERATIONS.
9. WHERE EXISTING FINISHES ARE TO REMAIN, CLEAN, REPAIR, PATCH, AND/OR REPAINT AS NECESSARY TO BLEND WITH ADJACENT SURFACES OR AS CALLED OUT ON DRAWINGS. COORDINATE WITH THE TENANT'S CONSTRUCTION MANAGER.
10. THE CONTRACTOR SHALL RESPOND TO ALL REQUIREMENTS OF THE ENGINEER/ARCHITECT FOR VERIFICATIONS, RESPONSES AND SUBMISSIONS.
11. DURING ENTIRE CONSTRUCTION PERIOD, PROVIDE ONE UL LISTED 2A:20BC DRY CHEMICAL FIRE EXTINGUISHER, OR ONE STANDARD UL LISTED 2-1/2 GALLON WATER (E-10) AND ONE UL LISTED 10BC CARBON DIOXIDE FIRE EXTINGUISHER MOUNTED TOGETHER IN EACH 3000 SQ FT OF WORK AREA OR FRACTION THEREOF MINIMUM OF TWO AVAILABLE IN ALL CONSTRUCTION AREAS AT ALL TIMES).
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY ORDERING OF MATERIALS TO PROHIBIT DELAYS OF THE CONSTRUCTION SCHEDULE OF THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE DELIVERY OF MATERIALS IN A TIMELY MANNER.
13. ALL ADJACENT BUILDINGS AND TENANT SPACES SHALL REMAIN IN SERVICE DURING DEMOLITION/CONSTRUCTION.
14. MUD AND DEBRIS TRACKED ONTO OWNER PAVING OR CITY STREETS TO BE CLEANED IMMEDIATELY.
15. IT IS IMPERATIVE THAT THE ROOF FRAMING AND ROOFING SYSTEM BE KEPT INTACT TO ELIMINATE POTENTIAL WATER DAMAGE OR MOISTURE INFILTRATION. THE CONTRACTOR SHALL KEEP THE BUILDING WATER-TIGHT AT ALL TIMES AND MAKE REPAIRS IMMEDIATELY SHOULD ANY DAMAGE OCCUR TO THE ROOFING SYSTEM.
16. BUILDING COMPONENTS AFFECTED BY THE SCOPE OF WORK AND ALLOWED TO REMAIN SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
17. WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING.
18. REFER TO MEP DRAWINGS FOR ADDITIONAL ITEMS TO BE REMOVED.
19. NOTES CONTAINED IN DEMOLITION WORK ARE NOT CONFINED SOLELY TO THE DEMOLITION PLANS. THE GENERAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUSIVE OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING AND SUPPORT SYSTEMS FOR EXISTING STRUCTURE AND TO KEEP THE EXISTING STRUCTURE INTACT AND IN A SAFE CONDITION DURING DEMOLITION AND NEW CONSTRUCTION. THE CONTRACTOR SHALL RETAIN A REGISTERED PROFESSIONAL ENGINEER TO DESIGN THE SHORING OR BRACING AND SPECIFY DEMOLITION PROCEDURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS OF DEMOLITION AND NEW CONSTRUCTION.
21. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION AND REMOVAL OF WALLS, DOORS, FIXTURES, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON DRAWING OR AS REQUIRED FOR THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB.

GENERAL NOTES REGARDING MOLD AND MILDEW

1. THE FOLLOWING REQUIREMENTS SHALL APPLY TO ALL NEW AND REMODEL CONSTRUCTION PROJECTS.
2. IN THE EVENT THE CONTRACTOR DISCOVERS, AT ANY TIME DURING DEMOLITION, CONSTRUCTION AND/OR REMODELING OPERATIONS, EXISTING CONDITIONS THAT COULD INCLUDE THE PRESENCE OF MOLD AND/OR MILDEW, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE TENANT'S REPRESENTATIVE AND THE PROFESSIONAL OF RECORD, IN WRITING, OF THE CONCERNS AND/OR SUSPICIONS.
3. CONCURRENTLY, THE CONTRACTOR SHALL BE RESPONSIBLE TO RETAIN A MOLD AND MILDEW CERTIFIED TESTING AGENCY TO PERFORM AN INVESTIGATION AND TESTING AS REQUIRED TO EVALUATE THE NATURE AND EXTENT OF THE PROBLEM. IF THE TESTING AGENCY CONFIRMS HAZARDS, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A MINIMUM OF TWO (2) BIDS FROM COMPANIES QUALIFIED AND LICENSED TO PERFORM ALL NECESSARY REMEDIATION WORK, COMPLYING WITH ALL LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS, CODES, AND STATUTES.
4. ONCE DISCOVERY OR SUSPICION OF MOLD AND/OR MILDEW IS MADE, THE CONTRACTOR SHALL TAKE ALL RESPONSIBLE MEASURES AND PRACTICE PRECAUTIONS TO PROTECT ALL CONSTRUCTION PERSONNEL AND THE PUBLIC FROM EXPOSURE TO MOLD AND/OR MILDEW, AND SUCH PRECAUTIONS SHALL REMAIN IN PLACE UNTIL SUCH A TIME AS THE OWNER OR HEALTH AUTHORITY DIRECTS OTHERWISE. CONSTRUCTION OPERATIONS SHALL NOT BE STOPPED OR CURTAILED, EXCEPT IN THE AREA OF MOLD/MILDEW CONCERN, DUE TO THESE REQUIRED PRECAUTIONS.
5. THE CONTRACTOR SHALL MAKE ALL REASONABLE EFFORTS TO AVOID CONDITIONS FAVORABLE TO THE DEVELOPMENT OF MOLD AND MILDEW, ESPECIALLY IN VOIDED WHICH WILL BE CONCEALED AND NOT VENTILATED. IN ALL CASES, INTERIOR SPACES AND INTERIOR FINISHED CONSTRUCTION SHALL BE MAINTAINED IN DRY AND WELL-VENTILATED CONDITIONS.
6. THE CONTRACTOR SHALL COMPLY WITH FEDERAL ENVIRONMENTAL AND OSHA REGULATIONS AND ALL LOCAL AND STATE HEALTH DEPARTMENT REQUIREMENTS AND RECOMMENDATIONS REGARDING MOLD AND MILDEW.
7. ALL PENETRATIONS SHALL BE SEALED WATER-TIGHT TO PREVENT MOISTURE MIGRATION FROM ENTERING THE BUILDING OR WALL CAVITIES.
8. INSURE THAT THERE ARE NO WATER LEAKS IN CONCEALED PLUMBING CHASES. ALL EXISTING SUPPLY AIR PATHS AND ALL EXISTING RETURN AIR PATHS AND PLENUMS SHALL BE KEPT DRY.
9. DUCTWORK TO BE RE-USED SHALL BE CLEANED AND TREATED AS REQUIRED TO REMOVE POTENTIAL FOR MOLD AND MILDEW. ALL DAMP AREAS SHALL BE DRIED THOROUGHLY PRIOR TO ENCLOSURE.

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-0072118
REGISTERED ARCHITECT
01/08/21

OWNER
HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
(515) 267-2800

ARCHITECT
BRR ARCHITECTURE, INC
8131 METCALF AVENUE
SUITE 300
OVERLAND PARK, KS 66204
(913) 262-9095

STRUCTURAL ENGINEER
JOHNSTON BURKHOLDER ASSOC.
930 CENTRAL
KANSAS CITY, MO 64105
(816) 421-4200

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER
HENDERSON ENGINEERS
8345 LENEXA DR #300
LENEXA, KS 66214
(913) 742-5000

FINAL CONSTRUCTION DOCUMENTS - 10/20/2020

JPS

REVISION		DATE BY
1	ASI #2	01/08/21
2	ASI #3	01/26/21

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
930 CENTRAL · KANSAS CITY, MO 64105
816-421-4290 · WWW.JBAENGR.COM
JBA PROJ #: 20332 - 35H

PROFESSIONAL SEAL

STATE OF MISSOURI · BART HALVERSON · NUMBER E-29120 · REGISTERED PROFESSIONAL ENGINEER

01/26/21

LOCATION
LEE'S SUMMIT, MO

HY-VEE INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2939

Hy-Vee® EMPLOYEE OWNED

NORTH

FOUNDATION PLAN

PROJECT MANAGER	CHECKED BY:
JSH	BJH
DRAWN BY:	DATE:
JBA	10/20/2020
SCALE:	JOB NUMBER:
3/32" = 1'-0"	62930547

SHEET:

S1.0

1 FOUNDATION PLAN
SCALE: 3/32" = 1'-0"

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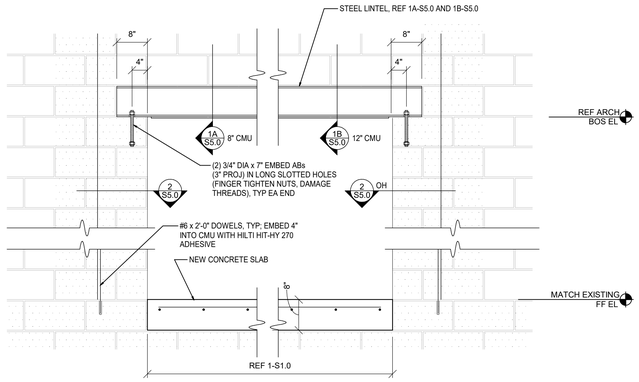
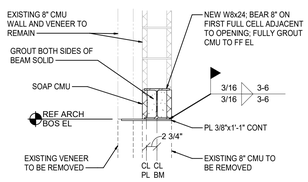
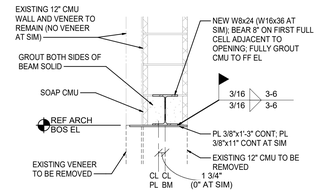




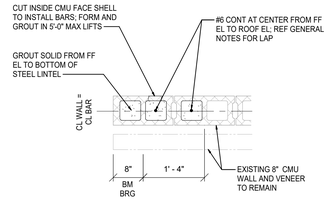
1A-S5.0: EXISTING 8" CMU

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND INSTALLATION OF TEMPORARY SUPPORT OF EXISTING CMU WALL AND VENEER AT NEW OPENING UNTIL NEW STEEL LINTEL WITH BOTTOM PLATE IS IN PLACE AND ALL CONNECTIONS ARE COMPLETE



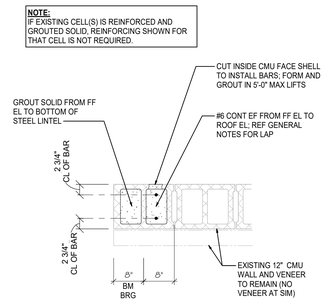
1B-S5.0: EXISTING 12" CMU

NOTE:
IF EXISTING CELL(S) IS REINFORCED AND GROUTED SOLID, REINFORCING SHOWN FOR THAT CELL IS NOT REQUIRED.



EXISTING 8" CMU

NOTE:
IF EXISTING CELL(S) IS REINFORCED AND GROUTED SOLID, REINFORCING SHOWN FOR THAT CELL IS NOT REQUIRED.



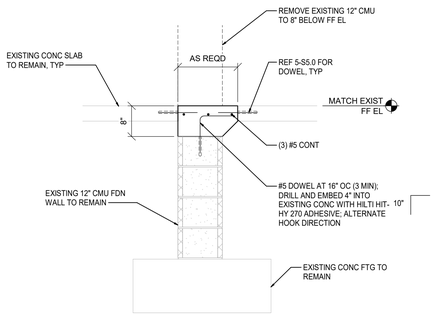
EXISTING 12" CMU

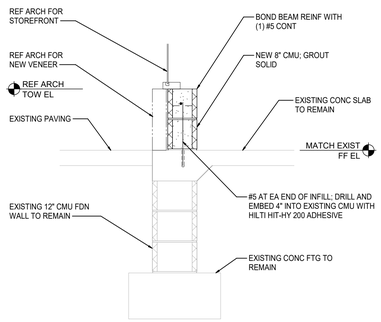
1 STEEL LINTEL AT CMU OPENING IN EXISTING WALL

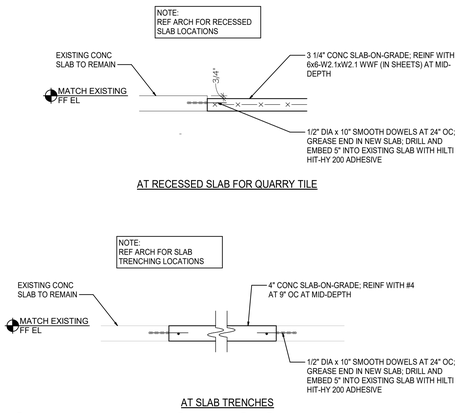
SCALE: 3/4" = 1'-0"

2 JAMB REINFORCING AT NEW OPENING

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

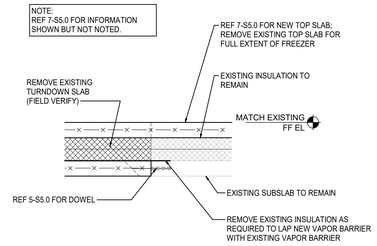






AT RECESSED SLAB FOR QUARRY TILE

AT SLAB TRENCHES



3 SLAB INFILL AT NEW OPENING

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

4 CMU INFILL AT NEW STOREFRONT

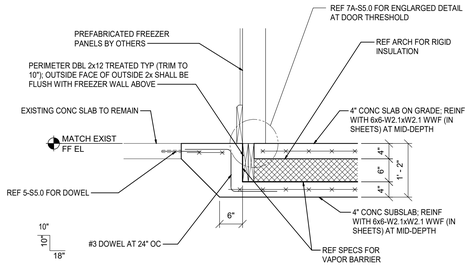
SCALE: 3/4" = 1'-0"

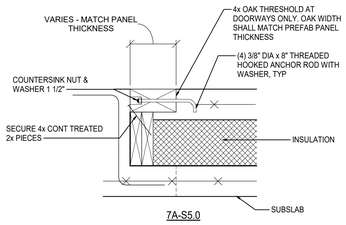
5 NEW SLAB AT EXISTING SLAB

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

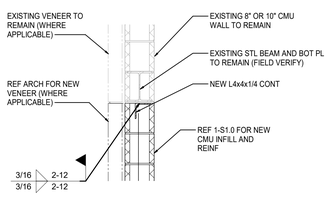
6 NEW FREEZER SLAB AT EXISTING

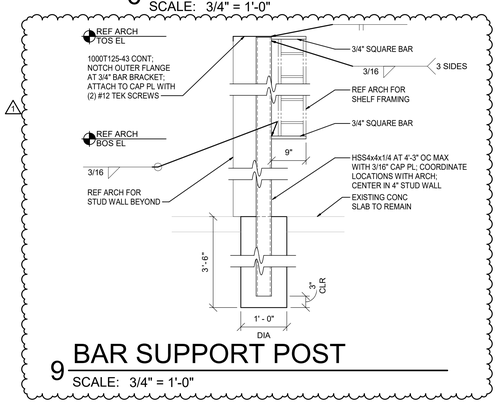
SCALE: 3/4" = 1'-0"





7A-S5.0





7 FREEZER SLAB

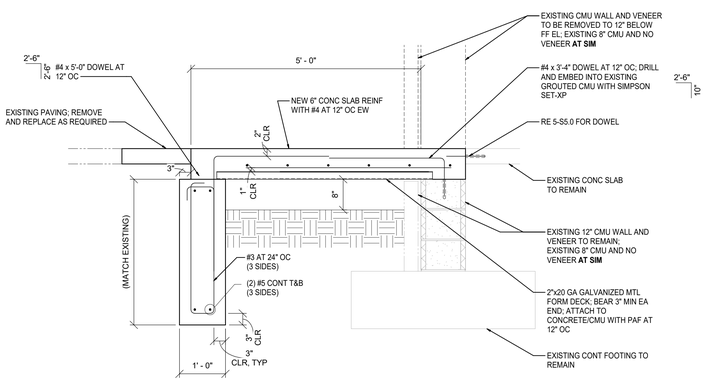
SCALE: 3/4" = 1'-0"

8 NEW INFILL AT EXISTING OPENING

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

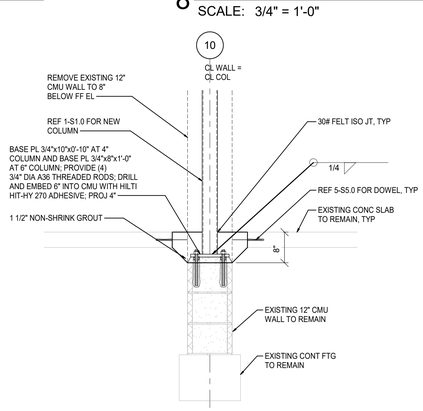
9 BAR SUPPORT POST

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



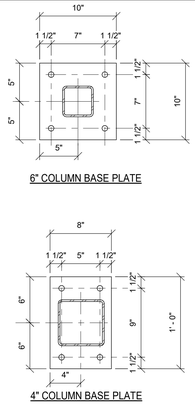
10 FOUNDATION AT STOOP

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



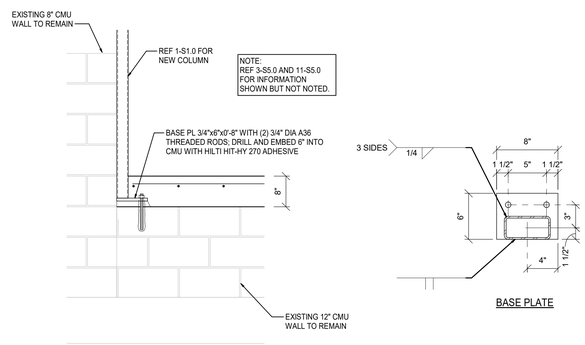
11 COLUMN FOOTING AT EXISTING CMU WALL

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



12 COLUMN AT EXISTING CMU WALL

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



1/7/2021 1:46:39 PM

REVISION		DATE BY
1	ASI #2	01/08/21

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
930 Central · Kansas City, MO 64105
816-421-4200 · www.jbaengr.com
JBA PROJ #: 20332 - 35H

PROFESSIONAL SEAL

STATE OF MISSOURI
BART HALVERSON
NUMBER E-27414
REGISTERED PROFESSIONAL ENGINEER
01/07/21

LOCATION
LEE'S SUMMIT, MO

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2933

Hy-Vee® EMPLOYEE OWNED

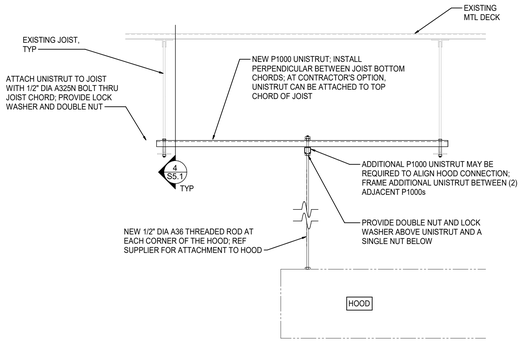
NORTH

STRUCTURAL SECTIONS & DETAILS

PROJECT MANAGER	CHECKED BY:
JSH	BJH
DRAWN BY:	DATE:
JBA'	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

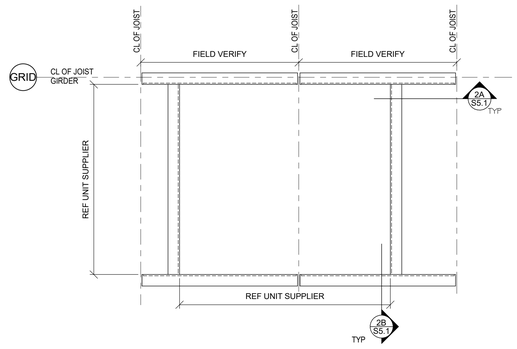
SHEET:

S5.0

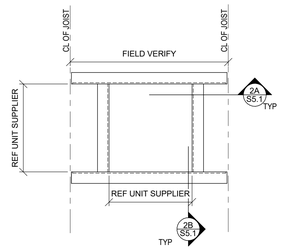


1 SUSPENDED HOOD SUPPORT

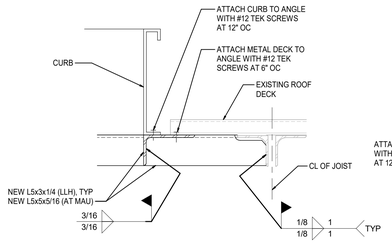
SCALE: 3/4" = 1'-0"



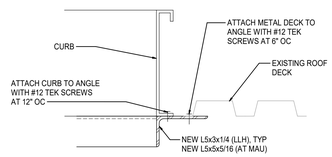
PLAN VIEW-RTU



PLAN VIEW-EF



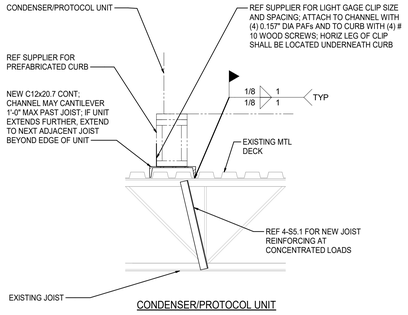
2A-S5.1



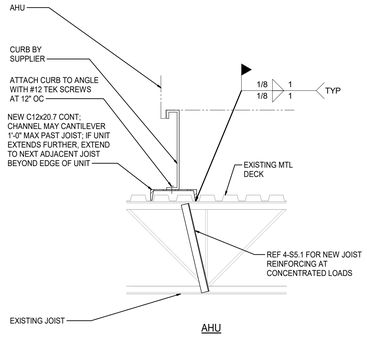
2B-S5.1

2 RTU/EXHAUST FAN SUPPORT FRAMING

SCALE: NTS



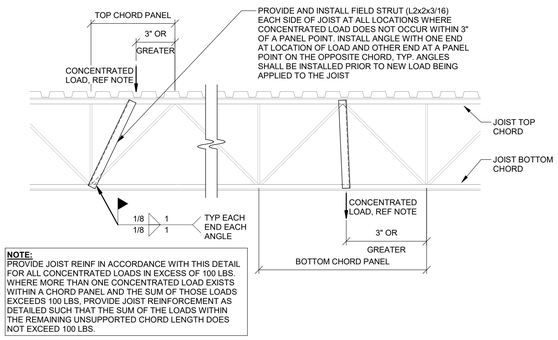
CONDENSER/PROTOCOL UNIT



AHU

3 CONDENSER/PROTOCOL UNIT/AHU SUPPORT FRAMING

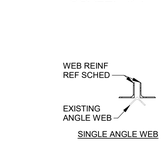
SCALE: 3/4" = 1'-0"



NOTE:
PROVIDE JOIST REINF IN ACCORDANCE WITH THIS DETAIL FOR ALL CONCENTRATED LOADS IN EXCESS OF 100 LBS. WHERE MORE THAN ONE CONCENTRATED LOAD EXISTS WITHIN A CHORD PANEL AND THE SUM OF THOSE LOADS EXCEEDS 100 LBS, PROVIDE JOIST REINFORCEMENT AS DETAILED SUCH THAT THE SUM OF THE LOADS WITHIN THE REMAINING UNSUPPORTED CHORD LENGTH DOES NOT EXCEED 100 LBS.

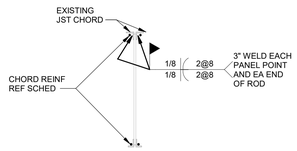
4 JOIST REINFORCING AT CONCENTRATED LOAD

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

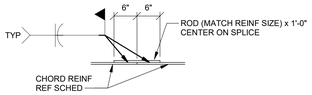


SINGLE ANGLE WEB

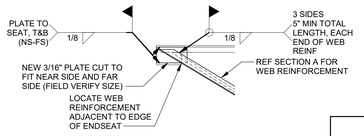
SECTION 5A - WEB REINF



SECTION 5B - CHORD REINF



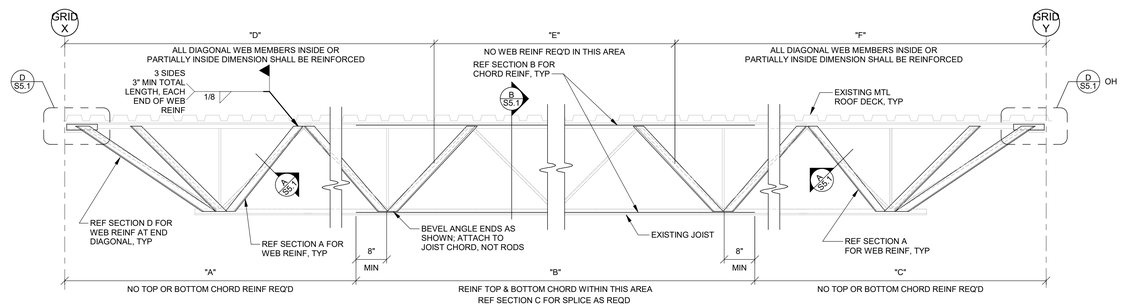
SECTION 5C - CHORD REINF SPLICE



SECTION 5D - END WEB REINF

JOIST REINFORCEMENT NOTES

1. JOIST WEB CONFIGURATION IS SHOWN FOR REFERENCE ONLY, FIELD VERIFY ACTUAL CONFIGURATION AND WEB TYPE.
2. ALL PAINT AND DEBRIS SHALL BE CLEANED FROM JOIST BEFORE WELDING REINFORCEMENT.
3. STEEL ERECTOR SHALL FIELD CUT REINFORCING TO FIT FROM STOCK LENGTHS.
4. EXTEND TOP AND BOTTOM CHORD REINFORCING A MINIMUM OF 8" BEYOND PANEL POINTS.
5. INSTALL WEB REINFORCING PRIOR TO CHORD REINFORCING. COPE OUTSTANDING LEG OF WEB REINFORCING AS REQUIRED FOR PLACEMENT OF CHORD REINFORCING.
6. IF EXISTING JOIST BRIDGING INTERFERES WITH INSTALLATION OF REINFORCING, REMOVE BRIDGING AND REPLACE IMMEDIATELY UPON COMPLETION OF REINFORCING INSTALLATION. IF BRIDGING TABS FOR BOLTED BRIDGING INTERFERE WITH INSTALLATION OF REINFORCING, REMOVE TABS AND REPLACE IMMEDIATELY UPON COMPLETION OF REINFORCING INSTALLATION. NEW CONNECTIONS SHALL MATCH EXISTING.
7. JOISTS SHALL BE REINFORCED PRIOR TO INSTALLATION OF MECHANICAL UNITS OR HANGING LOADS. ROOF SNOW LOAD SHALL BE REMOVED PRIOR TO JOIST REINFORCEMENT. REF 4-S5.1 FOR ADDITIONAL REINFORCEMENT REQUIRED AT CONCENTRATED LOADS.

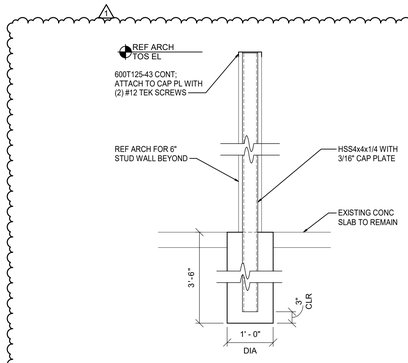


5 JOIST REINFORCEMENT

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

JOIST REINFORCING SCHEDULE

JOIST REINF MARK	CHORD REINF	WEB REINF	"A"	"B"	"C"	"D"	"E"	"F"	GRID X	GRID Y	NOTES
JR1	-	(2) L2x2x3/16	0' - 0"	0' - 0"	0' - 0"	10' - 0"	0' - 0"	0' - 0"	E	F	1,2,3,6,7
JR2	-	(2) L2x2x3/16	0' - 0"	0' - 0"	0' - 0"	10' - 0"	0' - 0"	0' - 0"	F	E	1,2,3,6,7
JR3		(2) L2x2x3/16	0' - 0"	0' - 0"	0' - 0"	10' - 0"	0' - 0"	0' - 0"	G	F	1,2,3,6,7
JR4		(2) L2x2x3/16	0' - 0"	0' - 0"	0' - 0"	13' - 0"	0' - 0"	0' - 0"	B.1	D	1,2,3,6,7
JR5	(2) 1/2" DIA RODS	(2) L2x2x3/16	6' - 0"	32' - 9"	6' - 0"	19' - 0"	5' - 9"	20' - 0"	8	7	1,2,3,4,5,6,7



6 DSW WALL SUPPORT POST

3/4" = 1'-0"

REVISION		DATE BY
1	ASI #3	01/26/21

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
930 CENTRAL · KANSAS CITY, MO 64105
816-421-4290 · WWW.JBAENGR.COM
JBA PROJ #: 20332 – 35H

PROFESSIONAL SEAL

STATE OF MISSOURI
BART HALVERSON
NUMBER E-30439
REGISTERED PROFESSIONAL ENGINEER
01/26/21

LOCATION
LEE'S SUMMIT, MO

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee EMPLOYEE OWNED

NORTH

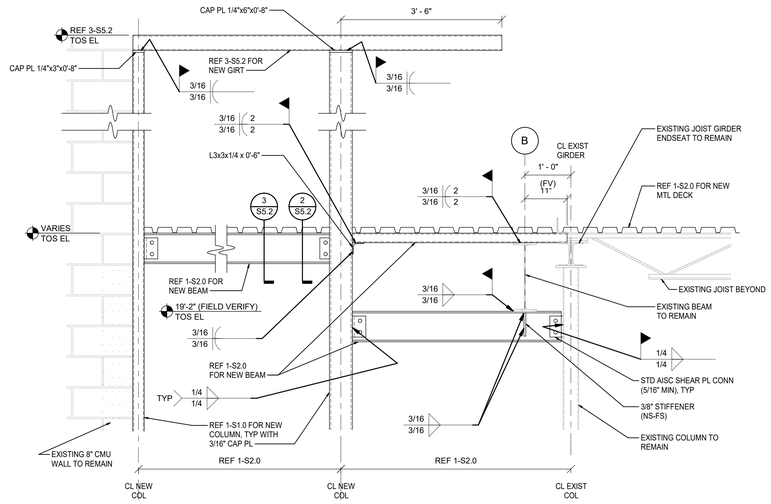
STRUCTURAL SECTIONS & DETAILS

PROJECT MANAGER	CHECKED BY:
JSH	Approver
DRAWN BY:	DATE:
Author	10/20/2020
SCALE:	JOB NUMBER
As indicated	62930547

SHEET:

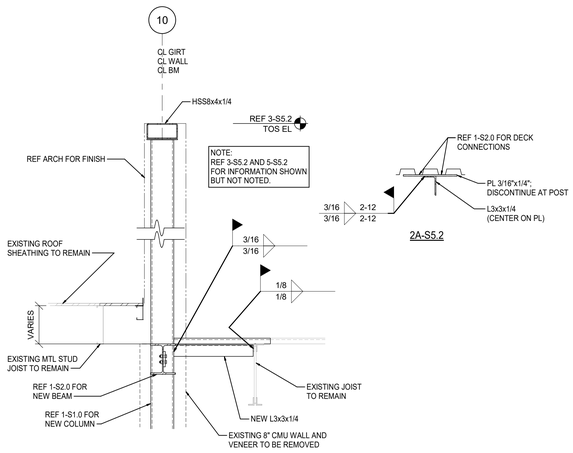
S5.1

1/26/2021 3:25:50 PM



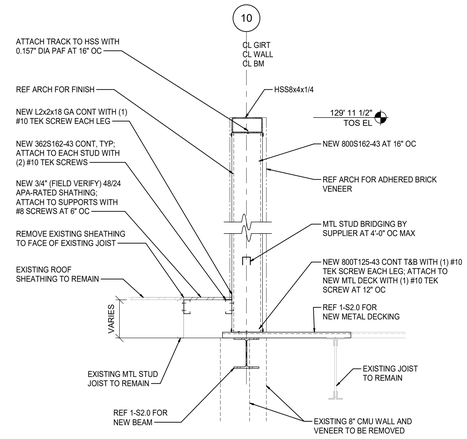
1 NEW SUPPORT FRAMING AT EXIST BEAM/JST GIRDER

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



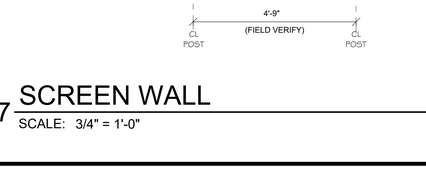
2 NEW COLUMN AT EXISTING ROOF

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



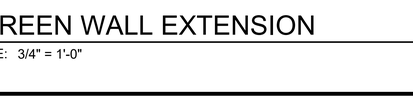
3 NEW PARAPET RETURN WALL

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



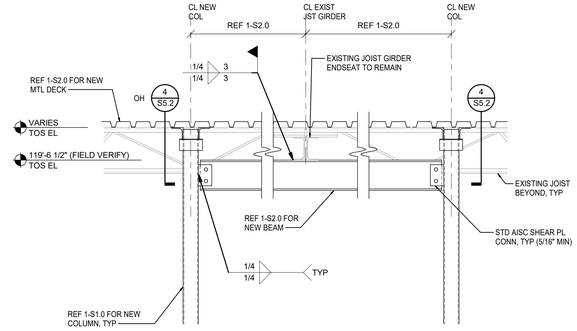
4 NEW COLUMN AT EXISTING ROOF

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



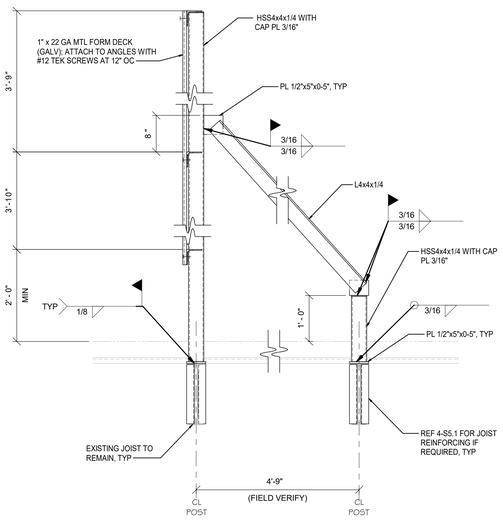
5 NEW DECK BRG AT EXISTING

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



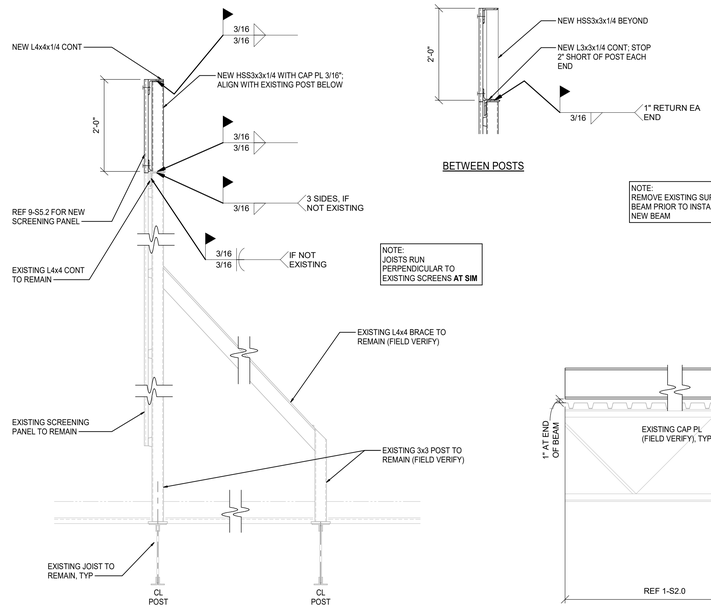
6 NEW SUPPORT FRAMING AT EXISTING JST GIRDER

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



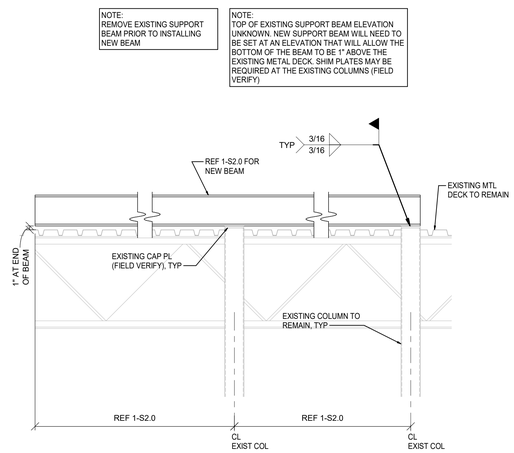
7 SCREEN WALL

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



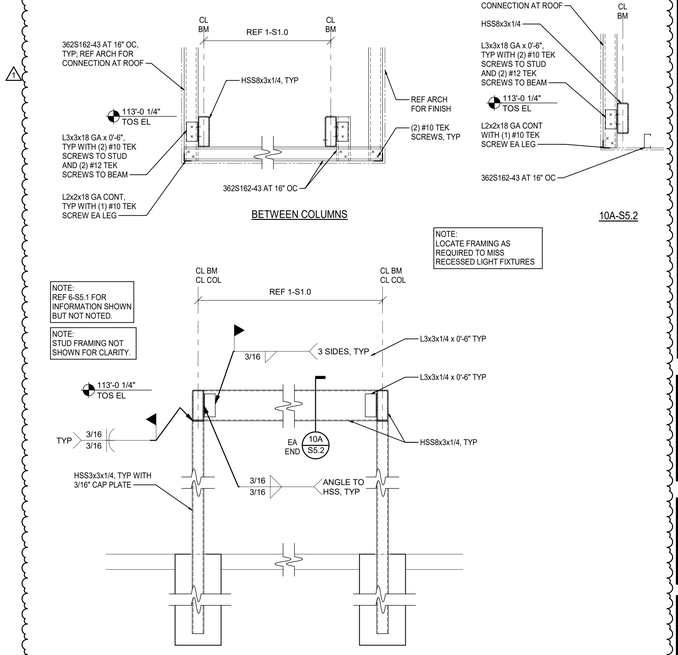
8 SCREEN WALL EXTENSION

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



9 RTU-1 SUPPORT BEAM

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



10 WINE ROOM SOFFIT FRAMING

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

REVISION		DATE BY
1	ASI #3	01/26/21

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
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816-421-4290 · WWW.JBAENGR.COM
JBA PROJ #: 20332 - 35H

PROFESSIONAL SEAL

STATE OF MISSOURI · BART HALVERSON · NUMBER E-29329 · PROFESSIONAL ENGINEER

01/26/21

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HY-VEE, INC.
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TELEPHONE: (515) 267-2800
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Hy-Vee EMPLOYEE OWNED

NORTH

STRUCTURAL SECTIONS & DETAILS

PROJECT MANAGER	CHECKED BY:
JSH	Approver
DRAWN BY:	DATE:
Author	10/20/2020
SCALE:	JOB NUMBER:
3/4" = 1'-0"	62930547

SHEET:

S5.2

1/27/2021 12:44:25 PM

DEMOLITION NOTES

NOTE: WHERE JUST A PORTION OF A COOLER/FREEZER BOX OR COOLER/FREEZER BOX DOOR IS TO BE REMOVED, THE PARTIAL REMOVAL AND BOTH THE TEMPORARY AND PERMANENT SUPPORT OF THE EXISTING COOLER/FREEZER BOX CEILING ABOVE IS TO BE BY THE REFRIGERATION CONTRACTOR.

1. REMOVE WALL IN ITS ENTIRETY. PATCH/REPAIR EXISTING ADJACENT SURFACES TO RECEIVE NEW FINISHES.
2. REMOVE FIXTURE IN ITS ENTIRETY. CAP ALL ABANDONED UTILITIES. CONTRACTOR TO VERIFY WITH HY-VEE IF REMOVED EQUIPMENT IS TO BE SALVAGED.
3. REMOVE DOOR AND FRAME IN ITS ENTIRETY.
4. REMOVE COOLER/FREEZER WALLS, CEILINGS, FLOOR AND DOORS IN THEIR ENTIRETY.
5. REMOVE PORTION OF CMU WALL, REF STRUC
6. REMOVE COLUMN, REF STRUC
7. REMOVE PORTION OF COOLER WALL SHOWN DASHED
8. REMOVE ANY EXIT SIGNAGE ON, ABOVE, OR AROUND DOOR AS THIS DOOR WILL NO LONGER BE DESIGNATED AS AN EMERGENCY EGRESS DOOR. ANY ALARM SYSTEM AND HARDWARE ARE TO REMAIN INTACT.

DEMO EXISTING WALL FINISHES FOR NEW - SEE - A3.3

DEMO EXISTING WALL FINISHES FOR NEW - SEE - A3.5

TYP

1 DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

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Architect of Record:
BRR Architecture, Inc
Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Denver
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

01/08/21
Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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ARCHITECTURAL DEMOLITION PLAN

PROJECT MANAGER	CHECKED BY:
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DEMOLITION LEGEND

CONCRETE SLAB DEMOLITION

EXISTING FLOOR SLAB TO BE REMOVED FOR INSTALLATION OF UNDERSLAB UTILITIES

EXISTING QUARRY TILE FLOOR TO BE REMOVED

EXISTING QUARRY TILE FLOOR TO REMAIN

EXISTING EPOXY FLOOR TO REMAIN

HATCH DESIGNATED IN THIS AREA AS PATCH AND REPAIR FLOORING AT TRENCHING. REF PLUMBING AND ELECTRICAL (TYP.)

GENERAL NOTES

1. CONCRETE REMOVAL AREAS INDICATED FOR NEW UNDERSLAB UTILITY WORK ARE APPROXIMATE LOCATIONS. GENERAL CONTRACTOR AND REFRIGERATION CONTRACTORS ARE TO FIELD VERIFY EXISTING UNDERSLAB UTILITIES TO DETERMINE FINAL ROUTING OF NEW UNDERSLAB UTILITIES SO AS NOT TO CONFLICT WITH EXISTING UTILITIES TO REMAIN.
2. WHERE CONCRETE/FLOORING WORK IS REQUIRED AT EXISTING FLOORS THAT HAVE TILE, REMOVE PARTIAL TILES AROUND WORK AREA AS NEEDED SO THAT ONLY FULL TILES ARE USED TO FILL IN TO MATCH EXISTING.

DEMOLITION NOTES

1. REMOVE ALL EXISTING FLOOR FINISH IN ROOM & PATCH AND REPAIR FLOOR FOR NEW FINISH.
2. REMOVE ALL EXISTING QUARRY TILE IN AREA/ROOM & PREP AREA FOR NEW EPOXY SELF LEVELING INFILL AT DEPRESSED CONCRETE AREA TO MATCH FINISHED FLOOR HEIGHT OF SALES FLOOR.
3. REMOVE EXISTING CONCRETE SLAB AS NEEDED IN HATCHED AREA. PREP AREA FOR NEW INSULATED FREEZER SLAB.
4. EXISTING FINISHED FLOOR TO REMAIN, UNO.
5. REMOVE WOOD BLOCKING AROUND EXISTING INSULATED FREEZER SLAB AND FILL WITH CONCRETE TO MATCH EXISTING.
6. REMOVE EXISTING CONCRETE SLAB AS NEEDED IN HATCHED AREA FOR INSTALLATION OF NEW UNDERSLAB UTILITIES.
7. REMOVE EXISTNG FLOOR SLAB IN AREA INDICATED AND REPLACE WITH NEW FLOOR SLAB RECESSED 3/4" FOR INSTALLATION OF NEW QUARRY TILE. REF STRUCTURAL FOR REINFORCING REQUIRED AT JOINT BETWEEN OLD AND NEW FLOOR SLABS.
8. REMOVE EXISTING FLOOR FINISH AND BASE.
9. PREPARE FLOOR PER MANUFACTURERS RECOMMENDATION TO RECEIVE NEW EPOXY FLOOR AND BASE.
10. PREP EXISTING CONCRETE FLOOR FOR NEW FINISHES
11. REMOVE CONCRETE SLAB

EXISTING UNDERSLAB TUNNEL SHOWN TO REMAIN

CAP ALL REFRIGERATION AND RETURN AIR OPENINGS, TYP

8'-10"
2'-5 3/8"
6'-4 5/8"
2'-8 3/4"
3'-7 1/8"
6'-4"

1 DEMO SLAB PLAN
SCALE: 3/32" = 1'-0"

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Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Austin
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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DEMOLITION SLAB AND FLOOR FINISH PLAN

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Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-07207
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-07207

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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FIXTURE & EQUIPMENT PLAN

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1 FIXTURE AND EQUIPMENT PLAN
SCALE: 3/32" = 1'-0"

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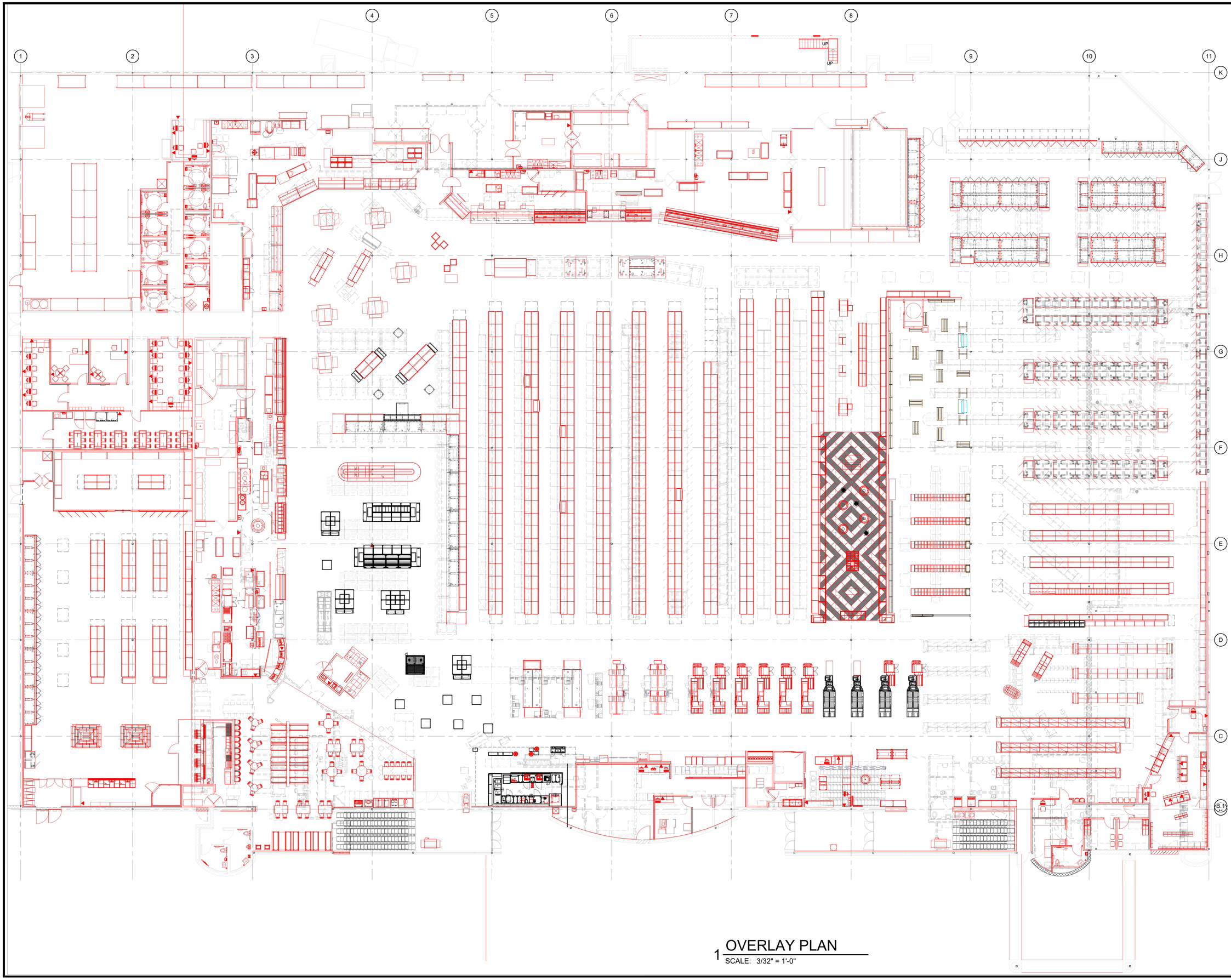

1 OVERLAY PLAN
SCALE: 3/32" = 1'-0"

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Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

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STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr. 01/08/21
Architect
Missouri License No. A-007528

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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OVERLAY PLAN

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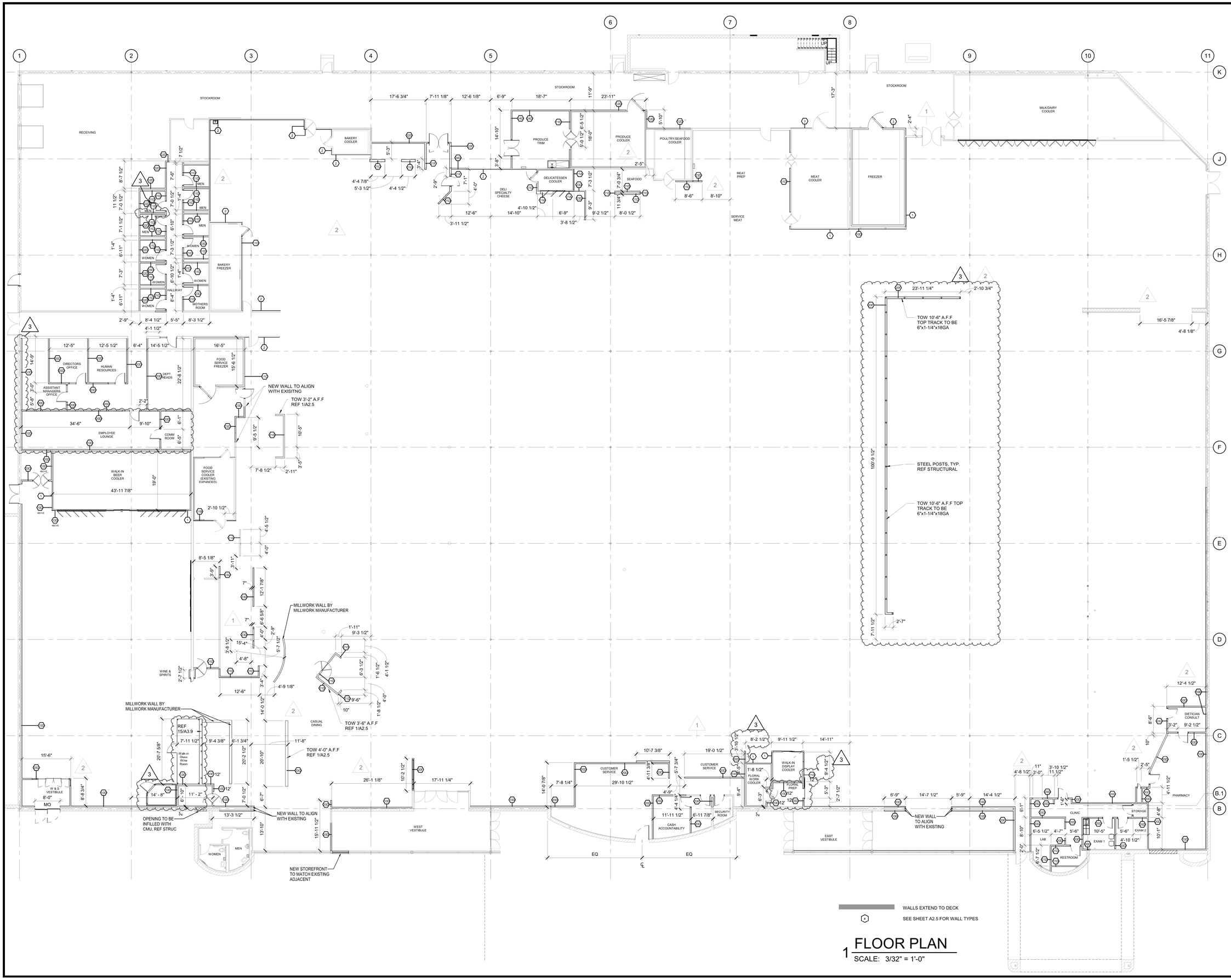

1 FLOOR PLAN
SCALE: 3/32" = 1'-0"

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Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
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Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

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STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr. 1/26/21
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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FLOOR PLAN

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LEGEND

FLOOR DESIGNATED IN THIS AREA AS QUARRY TILE. SEE FLOOR FINISH PLAN FOR SPECIFIC FLOORING DESIGNATION. CONTRACTOR TO VERIFY DEPTH OF FLOOR FINISH MATERIAL. - CUT CONTROL JOINTS @ 15' O.C. MAXIMUM EACH DIRECTION

FLOOR DESIGNATED IN THIS AREA AS EPOXY FLOOR. SEE FLOOR FINISH PLAN FOR SPECIFIC FLOORING DESIGNATION. CONTRACTOR TO VERIFY DEPTH OF FLOOR FINISH MATERIAL. - CUT CONTROL JOINTS @ 12' O.C. MAXIMUM EACH DIRECTION

FLOOR DESIGNATED IN THIS AREA AS CARPET. SEE FLOOR FINISH PLAN FOR SPECIFIC FLOORING DESIGNATION. CONTRACTOR TO VERIFY DEPTH OF FLOOR FINISH MATERIAL.

FLOOR DESIGNATED IN THIS AREA AS LVT. SEE FLOOR FINISH PLAN FOR SPECIFIC FLOORING DESIGNATION. CONTRACTOR TO VERIFY DEPTH OF FLOOR FINISH MATERIAL.

SPECIAL INSULATED FLOOR FOR FREEZERS; SEE DETAIL ON A2.0A. JOINT AT EDGE ONLY

F-35A — VINYL FLOOR TILE - ASPECTA FIVE - WASHED CONCRETE - IRON - 12"x12", REF STARBUCKS DRAWINGS

GENERAL FLOORING NOTES

1. SEE SHEET A2.2 FOR ALL FLOOR FINISH, WALL AND BASE SPECIFICATIONS. SEE A3.7A FOR CLINIC FINISHES.
2. AT CLOSE OF PROJECT, FURNISH NOT LESS THAN ONE BOX FOR EACH 50 BOXES, OR FRACTION THERE OF, OF EACH CLASS,WEARING SURFACE, COLOR PATTERN, AND SIZE OF CARPET OR RESILIENT TILE INSTALLED.
3. PROVIDE 6" VINYL BASE AROUND DOUBLE EXPRESS LANES AND ALL MILLWORK IN NON-FOOD SERVICE DEPARTMENTS(TYPICAL).
4. INSTALL ALL CERAMIC AND PORCELAIN FLOOR TILE SO THAT GROUT JOINTS ARE 1/4" MAX.
5. INSTALL SCHLUTER RENO-RAMP EDGING AT ALL EXPOSED EDGES OF CERAMIC FLOOR TILE, DEPTH AS REQUIRED.
6. DO NOT SEAL CONCRETE ON COOLERS & FREEZERS.
7. CONTRACTOR SHALL CUT CONTROL JOINTS IN A TIMELY MANNER TO PREVENT SLAB CRACKING. CONTROL JOINTS ARE TO BE INSTALLED @ 12'-0" O.C. (MAX) OR AS SHOWN ON PLAN.
8. INSTALL EPOXY JOINT FILLER FOR ALL BACKROOM SAW & CONSTRUCTION JOINTS.
9. DIMENSIONS ARE FROM FACE OF WALL AND CENTERLINE OF COLUMNS (TYPICAL).
10. AT CONCRETE SLAB POUR JOINTS - PROVIDE 1/2"Ø SMOOTH GREASED DOWELS AT 18" O.C. FREEZERS AND MEAT COOLER FLOORS WILL NOT HAVE DOWELS AT EDGE JOINTS.
11. AT CONCRETE SLAB CONTROL JOINTS - SAW JOINT TO BE 1-1/4" DEEP MINIMUM.
12. EPOXY FINISH TO EXTEND TO INTERIOR SIDE OF THRESHOLD TO COVER WOOD TRANSITION @ FREEZERS AND COOLERS.
13. FLOORS TO SLOPE TO FLOOR DRAINS WHERE NOTED. MAXIMUM SLOPE OF 1/4" PER FOOT CROSS SLOPE TO MEET ADA & LOCAL CODES.
14. AT EXISTING FLOOR SLOPES THAT SLOPE TO EXISTING AREA DRAINS, BUT ARE NO LONGER WITHIN A PREP SPACE, INSTALL EPOXY CONCRETE FLOOR LEVELER TO BRING FINISH FLOOR UP TO BE LEVEL WITH ADJACENT SLABS.

CERAMIC FLOOR TILE TO BE LAID PERPENDICULAR TO PRIMARY SINK WALL, TYP

PROVIDE TRANSITION STRIP BETWEEN LVT AND CERAMIC TILE, TYP

EXISTING QUARRY TILE AND QUARRY TILE BASE TO HAVE NEW GROUT ADDED AS NEEDED TO FLUSH OUT TILE AND THEN BE OVERLAID WITH NEW EPOXY FLOOR

REF DETAIL 3/A2.0A FOR TRANSITION

REF DETAIL 2/A2.0A FOR TRANSITION

PATCH AND REPAIR FLOOR FINISHES TO MATCH EXISTING

EXISTING QUARRY TILE AND QUARRY TILE BASE TO HAVE NEW GROUT ADDED AS NEEDED TO FLUSH OUT TILE AND THEN BE OVERLAID WITH NEW EPOXY FLOOR

NEW EPOXY OVERLAY ON EXISTING CONCRETE.

PROVIDE ALUMINUM COVERPLATE AT FREEZER DOOR TO COVER WOOD TRANSITION

NEW INSULATED CONCRETE SLAB, REF STRUC AND 1/A2.0A

PROVIDE TRANSITION STRIP BETWEEN LVT AND CERAMIC TILE, TYP

PROVIDE ALUMINUM COVERPLATE AT FREEZER DOOR TO COVER WOOD TRANSITION

FIELD VERIFY THAT THE EXTERIOR LANDING FOR THE FIRST 5'-0" DOES NOT SLOPE MORE THAN 1:48. IF THE SLOPE IS GREATER THAN 1:48, THE EXTERIOR GRADE IS TO BE CORRECTED AS REQUIRED

EXISTING QUARRY TILE AND QUARRY TILE BASE TO HAVE NEW GROUT ADDED AS NEEDED TO FLUSH OUT TILE AND THEN BE OVERLAID WITH NEW EPOXY FLOOR

NEW EPOXY OVERLAY ON EXISTING CONCRETE.

NEW CONCRETE SLAB AT HUMIDOR, REF STRUCTURAL

FLOOR TILE TO BE DIRECTIONAL FRONT TO BACK

FLOORING PROVIDED AND INSTALLED BY G.C.

PROVIDE TRANSITION STRIP BETWEEN VINYL FLOOR AND TILE

PROVIDE TRANSITION STRIP BETWEEN LVT AND CARPET

PROVIDE TRANSITION STRIP BETWEEN CUSHION-BACK AND NON CUSHION-BACK CARPET TYP

ALIGN CARPET TRANSITION WITH BACK OF MILLWORK

PROVIDE TRANSITION BETWEEN LVT AND ENTRY FLOORING SYSTEM

1 FLOOR FINISH & JOINT PLAN

SCALE: 3/32" = 1'-0"

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Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Boston
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI — RICHARD A. MAJORS, JR. — NUMBER A-007528 — REGISTERED ARCHITECT

Richard A. Majors, Jr. 01/27/21
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2925

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FLOOR FINISH & JOINT PLAN

PROJECT MANAGER: SB	CHECKED BY: JPS
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SCALE: As indicated	JOB NUMBER: 62930547

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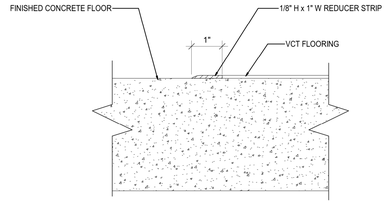
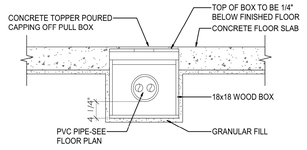


3 VCT TRANSITION

SCALE: 6" = 1'-0"

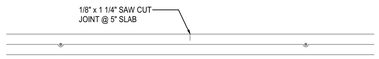
2 EPOXY TRANSITION @ EXISTING TILE

SCALE: 6" = 1'-0"



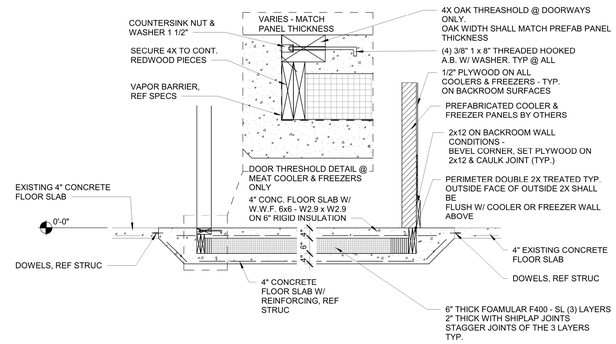
5 PVC TRENCH JUNCTION

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



4 CONCRETE SLAB CONTROL JOINT

SCALE: 1" = 1'-0"



1 INSULATED FLOOR SECTION

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

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BRR Architecture, Inc

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Bentonville
Phoenix
San Francisco
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Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect 01/08/21
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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FLOOR FINISH & JOINT PLAN

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SIGNAGE

KEY	MANUFACTURER	DESCRIPTION	SIZE	MATERIAL	LOCATION
AISLE-1	SPORT GRAPHICS	AISLE MARKERS	2' X 3'-8"	1/4" CLEAR ACRYLIC	CENTERED ON LAST UPRIGHT OF EACH AISLE
ASIAN-1	SPORT GRAPHICS	ASIAN	24" H	1.5" GATORFOAM, WILSONART #6257	ASIAN BULKHEAD
ARTISAN-1	SPORT GRAPHICS	ARTISAN BREAD	3'-6" X 8'-8"	2" GATORFOAM	ARTISAN BREAD BULKHEAD
BAGEL-1	SPORT GRAPHICS	BAGEL	2'-7" H	VINYL	BAGEL BULKHEAD
BAGEL-2	HY-VEE SIGN SHOP	THE WHOLE STORY	36" X 24"	PRINTED VINYL ON BLACK PVC	BAGEL BACK WALL, LOCATION VARIES
BAKE-1	SPORT GRAPHICS	BAKERY	3' H	VINYL	BAKERY BULKHEAD
BAKE-2	SPORT GRAPHICS	FRESH BAKED BREADS & BUNS	2' x 6.5'	3/16" ULTRABOARD, PRINTED	WALL ABOVE BREAD RACKS
BAKE-3	SPORT GRAPHICS	OILS & VINEGARS	2' x 6.5'	3/16" ULTRABOARD, PRINTED	WALL ABOVE OILS & VINEGARS
BAKE-4	HY-VEE SIGN SHOP	THE ART OF BREADMAKING - VERT.	64" X 39"	PRINTED VINYL ON BLACK PVC	BAKERY BACK WALL, LOCATION VARIES
BAKE-4.2	HY-VEE SIGN SHOP	THE ART OF BREADMAKING - HORIZ.	48" X 64"	PRINTED VINYL ON BLACK PVC	BAKERY BACK WALL, LOCATION VARIES
BAKE-5	HY-VEE SIGN SHOP	FRESH BAKED	10" X 48"	PRINTED VINYL ON BLACK PVC	ABOVE ONE MONITOR ON OVEN WALL
BAKE-5.1	HY-VEE SIGN SHOP	ARTISAN CRAFTED	10" X 48"	PRINTED VINYL ON BLACK PVC	ABOVE ONE MONITOR ON OVEN WALL
CAND-1	SPORT GRAPHICS	CANDY SIGNFOAM LETTERS & DECAL	20" X 48"		
CHAR-1	SPORT GRAPHICS	CHARCUTERIE	1'-6" H	19MM PVC, PIN MOUNTED	HALF ON-HALF OFF CHARCUTERIE BULKHEAD
CHAR-1.2	SPORT GRAPHICS	CHARCUTERIE	1'-3" H	19MM PVC, PIN MOUNTED	HALF ON-HALF OFF CHARCUTERIE BULKHEAD
CHAR-2	HY-VEE SIGN SHOP	LA QUERCIA STORY	2'W X 4'H	PVC, PRINTED	CHARCUTERIE BACK WALL - LOCATION VARIES
CHAR-3	HY-VEE SIGN SHOP	BUILD A BOARD	2'W X 4'H	PVC, PRINTED	CHARCUTERIE BACK WALL - LOCATION VARIES
CHEE-1	SPORT GRAPHICS	SPECIALTY CHEESE WALLCOVERING	SEE A3.13	VINYL WALLCOVERING	SPECIALTY CHEESE BULKHEAD
CHEE-2	HY-VEE SIGN SHOP	WORLD CLASS OFFERINGS	46" X 36"	PVC, PRINTED	SPECIALTY CHEESE BACK WALL - LOCATION VARIES
CHEE-3	HY-VEE SIGN SHOP	MILK TYPES	24" X 19"	PVC, PRINTED	SPECIALTY CHEESE BACK WALL - LOCATION VARIES
CHEE-4	HY-VEE SIGN SHOP	CHEESE STORAGE	24" X 14"	PVC, PRINTED	SPECIALTY CHEESE BACK WALL - LOCATION VARIES
CHEE-5	HY-VEE SIGN SHOP	CHEESE TYPES	18" X 36"	PVC, PRINTED	SPECIALTY CHEESE BACK WALL - LOCATION VARIES
CHEE-6	SPORTS GRAPHICS	SPECIALTY CHEESE LETTERS	SEE ELEV.	19MM PVC	SPECIALTY CHEESE FRAME BULKHEAD
CHOP-1	SPORT GRAPHICS	CHOPHOUSE MEATS	4' H	2" GATORPLAST W/ PRINTED WOOD PLANKS 1.5" GATORFOAM W/ WILSONART #6257	CHOPHOUSE MEATS BULKHEAD
CHOP-1.2	SPORT GRAPHICS	CHOPHOUSE MEATS - SMALL	3' H X 23'-5"W	2" GATORPLAST W/ PRINTED WOOD PLANKS 1.5" GATORFOAM W/ WILSONART #6257	CHOPHOUSE MEATS BULKHEAD
CHOP-2	HY-VEE SIGN SHOP	CHOICE RESERVE STORY - HORIZ.	30" X 60"	PVC, PRINTED	CHOPHOUSE MEATS BACK WALL -LOCATION VARIES
CHOP-2.1	HY-VEE SIGN SHOP	CHOICE RESERVE STORY - VERT.	30" X 60"	PVC, PRINTED	CHOPHOUSE MEATS BACK WALL -LOCATION VARIES
CHOP-3	HY-VEE SIGN SHOP	CHOPHOUSE MEATS POSTER	35" X 45"	PVC, PRINTED	CHOPHOUSE MEATS BACK WALL -LOCATION VARIES
CHOP-4	HY-VEE SIGN SHOP	DRY AGED BEEF	15" X 60"	PVC, PRINTED	DRY AGED BEEF CASE
CHOP-5	HY-VEE SIGN SHOP	MEAT BUNDLES	24" X 30"	PVC, PRINTED	HANGING ON RAIL IN FRONT OF ACCENT WALL
CUST-1	SPORT GRAPHICS	3 PANELS HANGING FROM PLANK, SM.	31"H x 39"W	PVC, PRINTED. WILSONART SKYLINE WALNUT.	CUSTOMER SERVICE BACK WALL
CUST-1.2	SPORT GRAPHICS	3 PANELS HANGING FROM PLANK, LG.	44"H x 56"W	PVC, PRINTED. WILSONART SKYLINE WALNUT.	CUSTOMER SERVICE BACK WALL
CUST-2	SPORT GRAPHICS	CUSTOMER SERVICE - LARGE	14" H	VINYL LETTERS	WALL BEHIND CUSTOMER SERVICE COUNTER
CUST-2.2	SPORT GRAPHICS	CUSTOMER SERIVCE - SMALL	10.5" H	VINYL LETTERS	WALL BEHIND CUSTOMER SERVICE COUNTER
CUST-2.3	SPORT GRAPHICS	CUST. SERVICE HANGING - LARGE	1'-8" X 15'-8"	VINYL LETTERS ON FROSTED ACRYLIC PANEL	HANGING ABOVE CUSTOMER SERVICE COUNTER
CUST-2.4	SPORT GRAPHICS	CUST. SERVICE HANGING - SMALL	1'-9" X 7'-11"	VINYL LETTERS ON FROSTED ACRYLIC PANEL	HANGING ABOVE CUSTOMER SERVICE COUNTER
CUST-3	SPORT GRAPHICS	DRY CLEANING - LARGE	8" H	VINYL LETTERS	WALL AT DRY CLEANING
CUST-3.2	SPORT GRAPHICS	DRY CLEANING - SMALL	6" H	VINYL LETTERS	WALL AT DRY CLEANING
CUST-3.3	SPORT GRAPHICS	DRY CLEANING HANGING SIGN	1'-2" X 7'	VINYL LETTERS ON FROSTED ACRYLIC PANEL	HANGING ABOVE DRY CLEANING
CUST-4	SPORT GRAPHICS	A HELPFUL SMILE IN EVERY AISLE	11" H	1" GATORFOAM	FRONT WALL, LOCATION VARIES
CUST-5	HY-VEE SIGN SHOP	OUR SERVICES	24"H X 36"W		WALL BEHIND CUSTOMER SERVICE COUNTER
CUST-6	HY-VEE SIGN SHOP	SOFTENER SALT	24"H X 36"W		WALL BEHIND CUSTOMER SERVICE COUNTER
CUST-7	SPORT GRAPHICS	2020 REDESIGN DEPARTMENT HEADER	TBD	1" GATORFOAM	CUSTOMER SERVICE BACK WALL ABOVE MONITORS
CUST-8	SPORT GRAPHICS	AISLES ONLINE CART LOGO	TBD	TBD	CUSTOMER SERVICE RETURN WALL
DAIRY-1	SPORT GRAPHICS	FARM FRESH DAIRY	1'-8" H	3" DEEP ALUMINUM CHANNEL LETTERS	MILK COOLER
DAIRY-1.2	SPORT GRAPHICS	FARM FRESH DAIRY - STACKED	3' H TOT.	3" DEEP ALUMINUM CHANNEL LETTERS	MILK COOLER
DAIRY-1.3	SPORT GRAPHICS	VE VERSION OF DAIRY DECOR	SEE ELEV.	VINYL WALL COVERING	MILK COOLER
DECA-1	SPORT GRAPHICS	DECADENT DELIGHTS	1'-2" H	1.5" GATORFOAM, WILSONART #6257	DECADENT DELIGHTS BULKHEAD, SITTING ON 1x2" RAIL
DECA-2	HY-VEE SIGN SHOP	DONUT STORY	36" X 46"	WHITE INK ON BLACK PVC	DECADENT DELIGHTS BULKHEAD, SITTING ON 1x2" RAIL
DELI-1	SPORT GRAPHICS	DELICATESSEN	1'-3" H	19MM PVC, WILSONART #6257, ROD MOUNT	HANGING FROM BOTTOM OF DELICATESSEN BULKHEAD
DELI-2	SPORT GRAPHICS	LONG ISLAND DELI	2' 6" X 10'	TBD	LONG ISLAND DELI
DIN-1	SPORT GRAPHICS	DINING AREA	2' x 10'	3/4" GATORFOAM, FORMICA #605	OVER ENTRANCE TO CASUAL DINING
DIN-2	SPORT GRAPHICS	DINING & BAR	2' x 10'	3/4" GATORFOAM, FORMICA #605	OVER ENTRANCE TO CASUAL DINING
DINER-1	ZON	THE DINER	2' H LETTERS	ACRYLIC LETTERS ON ALUMINUM RAILS	ON BULKHEAD OVER DINER COUNTER
DSW-1	SPORT GRAPHICS	DSW DESIGNER SHOES. WAREHOUSE PRICES. DIMENSIONAL LETTERS	2' H LETTERS	1/2" RIGID PVC DIMENSIONAL LETTERS, PIN MOUNTED & STOOD OFF 1/2" FROM PANEL. MATCH SHERWIN WILLIAMS 7048,URBAN BRONZE	DSW DEPARTMENT BACK WALL
EAT-1	SPORT GRAPHICS	EAT HERE SIGN	3' 8" W X 4' 2"H	ULTRA BOARD, METAL LAMINATE	CASUAL DINING, LONG ISLAND DELI
FLOR-1	SPORT GRAPHICS	HY-VEE FLORAL LOGO - LARGE	3' DIAM.	VINYL	TILE WALL BEHIND CASH WRAP
FLOR-1.2	SPORT GRAPHICS	HY-VEE FLORAL LOGO - SMALL	2' DIAM.	VINYL	
FLOR-2	SPORT GRAPHICS	HY-VEE FLORAL LOGO - HANGING	2' DIAM.	3-16" BLACK ACRYLIC	
FLOR-3	SPORT GRAPHICS	HY-VEE FLORAL LOGO - WALL MOUNT	2' DIAM.	3-16" BLACK ACRYLIC	WALL ABOVE BOUQUET COOLER
FROZ-1	SPORT GRAPHICS	FROZEN HANING LETTERS	2'-6" H	1/4" ACRYLIC, 4 LAYERS	HANGING ABOVE FROZEN DEPARTMENT
HHCF-1	SPORT GRAPHICS	HICKORY HOUSE COMFORT FOODS	3'-8" H	3/16" GATORFOAM ON 1/8" ACRYLIC BACKER	HICKORY HOUSE COMFORT FOODS BULKHEAD
HHCF-1.2	SPORT GRAPHICS	HICKORY HOUSE COMFORT FOODS	3' H	3/16" GATORFOAM ON 1/8" ACRYLIC BACKER	HICKORY HOUSE COMFORT FOODS BULKHEAD
HIB-1	SPORT GRAPHICS	THE HIBACHI	1'-8" H	6MM PVC, CHEMETAL 902	HIBACHI BULKHEAD - SUPERSEDED, USE HIB-2 INSTEAD
HIB-1.2	SPORT GRAPHICS	THE HIBACHI	1'-3" H	6MM PVC, CHEMETAL 902	HIBACHI BULKHEAD - SUPERSEDED, USE HIB-2 INSTEAD
HIB-2	SPORT GRAPHICS	HIBACHI BACKER PANELS	4' x 8'	3MM PVC SHEETS, PRINTED	HIBACHI BULKHEAD
HIB-3	HY-VEE SIGN SHOP	WOK THIS WAY	20" X 36"		HIBACHI KITCHEN BACK WALL, LOCATION VARIES
HMKT-1	SPORT GRAPHICS	HEALTHMARKET HANGING PANELS	21'-6" X 48"	3/4" MAPLE PLYWOOD, WHITE WASH	HANGING ABOVE HEALTHMARKET
JF-1	SPORT GRAPHICS	JOE FRESH SUSPENDED LOGO	2'-6" X 16'	2" LAMINATED FOAM, PRINTED VINYL FACE	HANGING AGAINST BACK WALL
MEAL-1	SPORT GRAPHICS	MEALTIME ORB	15' DIA. x 22"	2" LAMINATED FOAM, PRINTED VINYL FACE	HANGING ABOVE MEALTIME CASES
MEAL-2	SPORT GRAPHICS	MEALTIME LOGO	28" H	VINYL	FOR STORES THAT HAVE MEALTIME CASES AGAINST A WALL
MEAL-3	SPORT GRAPHICS	MEALTIME LOGO	20" X 96"	1" ULTRABOARD, DIGITALLY PRINTED FACE	FOR STORES THAT HAVE MEALTIME CASES ON THE LINE
MEAL-4	SPORT GRAPHICS	MEALTIME LARGE FORK AND LOGO	XX	XX	FOR STORES THAT HAVE MEALTIME CASES WITH OPEN WALL
MG-1	SPORT GRAPHICS	MARKET GRILLE FRAMED SIGN	4' H X 15' L	1" GATORFOAM LETTERING, 2" FRAME, VWC	MARKET GRILLE BULKHEAD
MG-2	SPORT GRAPHICS	ORDER & PAY LETTERS	6" H	1" ULTRABOARD, DIGITALLY PRINTED FACE	MOUNTED ON EYEBROW OVER PAY STATIONS
MG-3	SPORT GRAPHICS	MADE FRESH CIRCLE	3' DIAM.		MOUNTED ON EYEBROW OVER PAY STATIONS
MG-4	SPORT GRAPHICS	ORDER & PAY HANGING PANEL	9' L X 9" H		CEILING MOUNTED OVER PAY STATION
MGE-1	SPORT GRAPHICS	MARKET GRILLE EXPRESS	10' L	1" GATORFOAM	MARKET GRILLE EXPRESS BULKHEAD
MGE-1.2	SPORT GRAPHICS	MARKET GRILLE EXPRESS	8' L	1" GATORFOAM	MARKET GRILLE EXPRESS BULKHEAD
MGE-2	SPORT GRAPHICS	BREAKFAST & BURGERS	19.5" H	1" GATORFOAM, BRUSHED ALUMINUM VINYL	MARKET GRILLE EXPRESS BULKHEAD, BELOW MKT GRILLE SIGN
MGE-3	SPORT GRAPHICS	EXPRESS ORDER	14" x 54"	6MM BLACK SINTRA	SELF-ORDER STATIONS
MGE-4	SPORT GRAPHICS	MARKET GRILLE EXPRESS FRAMED SIGN	3' 11" H X 10' L	1" GATOR FOAM LETTERING, 2" FRAME, VWC	MARKET GRILLE EXPRESS BULKHEAD
MIA-1	SPORT GRAPHICS	MIA PIZZA	4'-5" H	MIA PIZZA PADDLE	MIA PIZZA BULKHEAD
NORI-1	SPORT GRAPHICS	NORI SUSHI	2'-8" H	1/2" & 1" ACRYLIC	TWO SIGNS ON OPPOSITE SIDES OF SUSHI BULKHEAD
NORI-2	SPORT GRAPHICS	SUSHI BAMBOO PANELS	5' x 10'	3MM PVC, PRINTED	SUSHI BULKHEAD
PACK-1	SPORT GRAPHICS	PACKAGED MEAT WALLCOVERING	SEE A2.4	VINYL WALLCOVERING	WALL ABOVE PACKAGED MEAT CASES
PATISSERIE-1	SPORT GRAPHICS	PATISSERIE	2'-11" H	2" GATORFOAM	PATISSERIE BULKHEAD
PHARM-1	SPORT GRAPHICS	PHARMACY	2'-6" H	2" GATORFOAM	PHARMACY BULKHEAD, ATTACHMENT VARIES
PHARM-1.2	SPORT GRAPHICS	PHARMACY	1'-7" H	2" GATORFOAM	PHARMACY BULKHEAD, ATTACHMENT VARIES
PHARM-1.3	SPORT GRAPHICS	PHARMACY	1'-9" H	2" GATORFOAM	PHARMACY BULKHEAD, ATTACHMENT VARIES
PHARM-1.4	SPORT GRAPHICS	PHARMACY	2' H	2" GATORFOAM	PHARMACY BULKHEAD, ATTACHMENT VARIES
PHARM-2	SPORT GRAPHICS	DIETITIAN, SMALL	12" H	1" GATORFOAM	WALL ABOVE DIETITIAN DOOR
PHARM-2.2	SPORT GRAPHICS	DIETITIAN, LARGE	1'-5" H	1" GATORFOAM	WALL ABOVE DIETITIAN DOOR
PHARM-3	SPORT GRAPHICS	CONSULTATION	4.5" H	VINYL	ABOVE CONSULTATION ROOM DOOR
PHARM-4	HY-VEE SIGN SHOP	REPEAT REFILLS, GROUP OF 3	24" x 19"		PHARMACY, LOCATION VARIES
PROD-1	TBD	PRODUCE BILLBOARD SIGN	7' X 36'-4"	TBD	ABOVE PRODUCE CASES
PROD-2	TBD	HOMEGROWN LOGO	5' X 11'-6"	HEAT APPLIED DECAL	WALL BETWEEN DELI AND PRODUCE
REST-1	SPORT GRAPHICS	RESTROOMS & MOTHER'S ROOM	2' X 6'	1/4" CLEAR P95 ACRYLIC	HANGING OVER ENTRANCE TO RESTROOM HALLWAY
REST-2	SPORT GRAPHICS	FLAG MOUNTED MEN/WOMEN SIGNS	6" x 6"	VISTA FLAG-MOUNTED SIGN HOLDER	WALL-MOUNTED ABOVE EACH RESTROOM DOOR
REST-3	SPORT GRAPHICS	RESTROOMS	9" H	VINYL LETTERS	APPLIED TO BULKHEAD ABOVE RESTROOM DOOR/HALLWAY
REST-4	SPORT GRAPHICS	RESTROOMS	9" H	FOAM LETTERS	APPLIED TO BULKHEAD ABOVE RESTROOM DOOR/HALLWAY
REST-4.2	SPORT GRAPHICS	RESTROOMS	5" H	FOAM LETTERS	APPLIED TO BULKHEAD ABOVE RESTROOM DOOR/HALLWAY
REST-5	SPORT GRAPHICS	RESTROOMS	8" X 60"	1/4" BLACK PVC	WALL MOUNTED VERTICAL RESTROOM SIGN
REST-5.2	SPORT GRAPHICS	RESTROOMS	12" X 66"	1/4" BLACK PVC	CEILING MOUNTED VERTICAL RESTROOM SIGN
REST-5.3	SPORT GRAPHICS	RESTROOMS	36" H	1/4" BLACK PVC	WALL MOUNTED VERTICAL RESTROOM SIGN - SMALL FORMAT
REST-6	SPORT GRAPHICS	RESTROOMS & MOTHER'S ROOM	9 1/4" X 2'-8"	FOAM LETTERS	HANGING OVER ENTRANCE TO RESTROOM HALLWAY
SALAD-1	SPORT GRAPHICS	FRESH SALADS	2' H	3MM SINTRA, PRINTED	SALAD BAR CEILING CLOUD FASCIA
SALAD-2	HY-VEE SIGN SHOP	SALAD BAR STORY & 3 PANELS		PRINTED VINYL ON BLACK PVC	WALL BEHIND SALAD BAR
SEA-1	SPORT GRAPHICS	SEAFOOD	1'-4" H	1" GATORFOAM	SEAFOOD BULKHEAD
SEA-2	HY-VEE SIGN SHOP	RESPONSIBLE CHOICE STORY	30" X 60"	PVC, PRINTED	WALL BEHIND SEAFOOD
SEA-3	HY-VEE SIGN SHOP	HEALTHY OCEANS BETTER SEAFOOD	30" X 40"	PVC, PRINTED	WALL BEHIND SEAFOOD
SEA-4	HY-VEE SIGN SHOP	SEAFOOD HELD TO A HIGHER STNDRD	30" X 40"	PVC, PRINTED	WALL BEHIND SEAFOOD
START-1	SPORT GRAPHICS	START HERE SIGNS	11" X 14.5"	6MM SINTRA, CEILING MOUNT STEM BY ZON	CEILING MOUNTED ABOVE FOOD SERVICE DEPARTMENTS
VEST-1	SPORT GRAPHICS	THANK YOU FOR SHOPPING HY-VEE	11" H		WALL ABOVE VESTIBULE DOOR ON SALES FLOOR SIDE
VEST-2	SPORT GRAPHICS	EMPLOYEE OWNED SINCE 1930		VINYL	VESTIBULE
VEST-3	SPORT GRAPHICS	AISLES ONLINE	3'-10" H	VINYL	LOCATION VARIES
VEST-4	HY-VEE SIGN SHOP	HISTORY WALL		PRINTED ON ACRYLIC PANELS	VESTIBULE
VIT-1	SPORT GRAPHICS	VITAMINS WALLCOVERING		VINYL WALLCOVERING	WALL AT VITAMINS/NUTRITION BEHIND CHEESE ISLAND
W&S-1	SPORT GRAPHICS	WINE & SPIRITS LOGO	11" H	1" GATORFOAM	ABOVE ENTRANCE TO WINE & SPIRITS
W&S-2	SPORT GRAPHICS	COLD BEER	2' 8" X 13' 2"	25MM PVC, PRINTED	ABOVE BEER COOLER DOORS, BELOW GOOSE NECK LIGHTS
W&S-2A	SPORT GRAPHICS	COLD BEER (SMALL)	2' 4" X 11' 4"	25MM PVC, PRINTED	ABOVE BEER COOLER DOORS, BELOW GOOSE NECK LIGHTS
W&S-3	-				
W&S-4	SPORT GRAPHICS	CRAFT BEER		1/2" ULTRABOARD	ABOVE CRAFT BEER CASES
W&S-5	-				
W&S-6	SPORT GRAPHICS	COLD BEER		1/2" ULTRABOARD	ABOVE BEER COOLER DOORS IN THE FOOD STORE (NOT W&S)
W&S-7	SPORT GRAPHICS	VE VERSION OF WINE & SPIRITS LOGO	SEE ELEV.	WHITE VINYL LETTING, SEMI GLOSS FINISH	WINE AND SPIRITS
W&S-8	SPORT GRAPHICS	SPIRITS SIGN (SUSPENDED)	6' X 20' 4"	1" GATORFOAM PANELS, FOAM HALO	ABOVE SPIRITS SECTION
W&S-8A	SPORT GRAPHICS	SPIRITS SIGN (SMALL, SUSPENDED)	4' X 16' 8"	1" GATORFOAM PANELS, FOAM HALO	ABOVE SPIRITS SECTION
W&S-9	SPORT GRAPHICS	THANK YOU SIGN	11" H		ON ACCENT WALL NEAR CHECK OUT, WALL PAINTED P-49
W&S-10	SPORT GRAPHICS	SPIRITS SIGN (WALL MOUNTED)	6' X 20' 4"	1" GATORFOAM PANELS, FOAM HALO	ABOVE SPIRITS SECTION
W&S-10A	SPORT GRAPHICS	SPIRITS SIGN (SMALL, WALL MOUNTED)	4' X 16' 8"	1" GATORFOAM PANELS, FOAM HALO	ABOVE SPIRITS SECTION
W&S-11	SPORT GRAPHICS	WINE BARRELS SIGN	7' 10" X 22' 8"	1" ULTRABOARD	ABOVE WINE SECTION, WALL MOUNTED
W&S-11A	SPORT GRAPHICS	WINE BARRELS SIGN (SMALL)	4' 6" X 12'	1" ULTRABOARD	ABOVE WINE SECTION, WALL MOUNTED
W&S-12	SPORT GRAPHICS	WINE & SPIRITS LOGO (CEILING MOUNTED)	2' 3" X 6' 6"	TBD	ABOVE ENTRANCE TO WINE & SPIRITS FROM FOOD STORE

FIBERGLASS REINFORCED PANELS & LAMINATE

KEY	TYPE	MANUFACTURER	COLOR	NOTES	LOCATION
FRP-1	FRP	CRANE COMPOSITES	GLASBORD #85 WHITE	EMBOSSED FINISH W/ SURFASEAL	GENERAL KITCHEN DEPTS (LESS VISIBLE WALLS)
FRP-4	FRP	CRANE COMPOSITES	VARIETEX #809 FAWN BROWN	LINEN FINISH	MARKET GRILLE SERVER STATIONS
FRP-6	FRP	CRANE COMPOSITES	VARIETEX #636 MORNING MIST GRAY	LINEN FINISH	FLORAL WORK ROOM

WINDOW SHADES/ WINDOW COVERINGS

KEY	TYPE	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
WS-1	ROLLER SOLAR SHADES (MANUALLY OPERATED)	SWF CONTRACT DORAN DOTY: 515-240-3749	AS REQ'D	SWF CONTRACT - SHEERWEAVE 4000 MIST/TAUPE, 3% OPENNESS FACTOR	MOUNT SHADE ASSEMBLY WITHIN WIDTH OF WINDOW HEAD	MARKET CAFE/ MARKET GRILLE ACCESSIBLE WINDOW LOCATIONS
WS-2	ROLLER SOLAR SHADES (MOTORIZED)	SWF CONTRACT DORAN DOTY: 515-240-3749	AS REQ'D	SWF CONTRACT - SHEERWEAVE 4000 MIST/TAUPE, 5% OPENNESS FACTOR PROVIDE 3% OPENNESS FACTOR FABRIC AT MARKET GRILLE LOCATIONS	MOUNT SHADE ASSEMBLY WITHIN WIDTH OF WINDOW HEAD. SEE ELECTRICAL FOR POWER SUPPLY LOCATION.	CLERESTORY EXTERIOR WINDOW LOCATIONS, INCLUDING CASUAL DINING AREA WINDOWS
WS-3	HORIZONTAL LOUVER BLINDS	HEARTLAND WINDOW TREATMENTS GARRETT YOUNG: 515-244-8900	AS REQ'D	1" ALUMINUM BLINDS, 8 GAUGE - SILVER	MOUNT BLIND ASSEMBLY WITHIN WIDTH OF WINDOW/ SIDELIGHT FRAME @ HEAD OF OPENING	EXTERIOR WINDOWS IN OFFICES
WS-4	HORIZONTAL LOUVER BLINDS	HEARTLAND WINDOW TREATMENTS GARRETT YOUNG: 515-244-8900	AS REQ'D	1" ALUMINUM BLINDS, 8 GAUGE - SKYLINE	MOUNT BLIND ASSEMBLY WITHIN WIDTH OF WINDOW/ SIDELIGHT FRAME @ HEAD OF OPENING	INTERIOR WINDOWS IN OFFICES, CONSULT ROOM & PHARMACY

CEILINGS

KEY	TYPE	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
C1	ACOUSTICAL TILE	ARMSTRONG USG	2' X 4' 2' X 4'	FINE FISSURED #1729 - WHITE RADAR CLIMAPLUS #2410 - WHITE	GRID: USG-DX/DXL ARMSTRONG-G-30 PRELUDE	SALES FLOOR, GENERAL OFFICES, CORRIDORS
C2	VINYL FACED SHEETROCK	NOVA CEILINGS ALLIED CONSTRUCTION SERVICES JAMES HAUBENSAK: 515-729-2626	2' X 4'	SMART PEEL CEILING TILES - WHITE	NON-PERFORATED, VINYL LAMINATED GRID: USG-DX/DXL ARMSTRONG-G-30 PRELUDE	FRESH FOOD DEPARTMENTS
C3	VINYL FACED SHEETROCK	NOVA CEILINGS	2' X 2'	SMART PEEL CEILING TILES - WHITE	NON-PERFORATED, VINYL LAMINATED GRID: USG-DX/DXL ARMSTRONG-G-30 PRELUDE	DELI & CHEESE ISLAND
C4	ACOUSTICAL TILE	ARMSTRONG USG	2' X 2' 2' X 2'	DUNE #1774: WHITE OLYMPIA MICRO CLIMAPLUS #4221	GRID: USG-DX/DXL ARMSTRONG-G-30 PRELUDE	PHARMACY
C5	GYPSUM BOARD	SEE SPEC			APPLY 3 COATS AS FOLLOWS: 1 COAT LATEX SEALER, 1 COAT ENAMEL UNDERCOAT, 1 COAT EPOXY ENAMEL AT RESTROOMS	
C6	EXPOSED STRUCTURE			SEE DRAWINGS		
C7	VINYL FACED SHEETROCK	NATIONAL GYPSUM USG	2' X 4' 2' X 4'	GRIDSTONE GYPSUM CEILING PANELS: WHITE SHEETROCK LAY-IN CLIMA PLUS: WHITE	GRID: G-30 PRELUDE, WITH HOLD DOWN CLIPS	VESTIBULES
C8	COOLER OR FREEZER					
C9	EXTERIOR GYPSUM BOARD	SEE SPEC		SHERWIN WILLIAMS: SW 7006 EXTRA WHITE (EGGSHELL FINISH U.N.O.)		EXTERIOR SOFFITS
C16	PLYWOOD SHEATHING			UNFINISHED - FIRE TREATED		MECHANICAL/ REFRIGERATION ROOMS W/ DECK ABOVE
C18	ACOUSTICAL TILE	ARMSTRONG USG	2' X 2' 2' X 2'	FINE FISSURED #1728CR - WHITE RADAR CLIMAPLUS #2210 - FLAT WHITE 050	GRID: USG-DX/DXL ARMSTRONG-G-30 PRELUDE PERIMETER OF CEILING CLOUDS TO RECEIVE 6" FASCIA TRIM COLOR MATCH GRID & FASCIA TRIM TO TILE	CASUAL DINING & BAR CLOUDS
BEAM-1	FLORAL	SPORT GRAPHICS	3"X12'	FORMICA 8841 WHITE ASH	WOODBRUSH FINISH	FLORAL CEILING BEAMS (2019 REDESIGN)

VINYL WALL COVERING

KEY	TYPE	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
VWC-0	VINYL WALL COVERING	TBD - CUSTOM		CUSTOM		CASUAL DINING CUSTOM
VWC-5	VINYL WALL COVERING	WOLF GORDON - CHRIS TORRES: 816-518-7807 TO BE ORDERED BY CONTRACTOR		GOH 11503667		CASUAL DINING LOWER WALL
VWC-6	VINYL WALL COVERING	SPORTS GRAPHICS		PACKAGED MEATS DESIGN		WALL ABOVE PACKAGED MEAT CASES
VWC-8	VINYL WALL COVERING	D.L. COUCH JESSICA FRENCH: 515-708-1710		YORK CONTRACT, STUDIO SOURCE CHEVY CHARM, BS4441		BAGEL & BAKERY SALES FLOOR WALLS
VWC-11	VINYL WALL COVERING	SPORT GRAPHICS		CHEESE DEPARTMENT HEADER		CHEESE CLOUD
VWC-14	VINYL WALL COVERING	WOLF GORDON - CHRIS TORRES: 816-518-7807 TO BE ORDERED BY CONTRACTOR		GOH 11579600	RUN GRAIN VERTICALLY	SUPERSEDED BY VWC-20 MARKET GRILLE EXPRESS BULKHEAD BEHIND SIGN
VWC-20	VINYL WALL COVERING	SPORT GRAPHICS		WOOD LOOK TO MATCH P.LAM-18	RUN GRAIN VERTICALLY	MARKET GRILLE EXPRESS BULKHEAD BEHIND SIGN
VWC-21	VINYL WALL COVERING	SPORT GRAPHICS		WOOD LOOK		CRAFT BEER WALL IN WINE & SPIRITS
VWC-22	VINYL WALL COVERING	SPORT GRAPHICS		BRICK PATTERN		COLD BEER WALL IN WINE & SPIRITS
VWC-23	VINYL WALL COVERING	SPORT GRAPHICS		WHITE BRICK PATTERN		DSW BACK WALL, NAIL BAR EXTERIOR NON FLAGSHIPS

MISCELLANEOUS

KEY	TYPE	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
SS	STAINLESS STEEL					BELOW HOODS
CORK-1	TACKABLE SURFACE/BULLETIN BOARD	FORBO		2182 POTATO SKIN	SUPPLIED AND INSTALLED BY G.C.	OFFICES & PHARMACY PRIVACY/CONSULT PANELS
FABRIC-3	FABRIC	CARNEGIE		MAXWELL STREET, 6416,10	ORDERED & UPHOLSTERED BY KC BOOTH	MARKET GRILLE/CASUAL DINING BOOTH BACKS
FABRIC-4	VINYL	MOMENTUM TEXTILES		ENDURANCE EPU, JETTY	ORDERED & UPHOLSTERED BY KC BOOTH	MARKET GRILLE/CASUAL DINING BOOTH SEATS
PARTITION-2	RESTROOM PARTITIONS	BOBRICK		SOLID COLOR REINFORCED COMPOSITE, SC04, FOREST GREEN		RESTROOMS WITH SIMPLY MODERN TILE SCHEME
CG-1	CORNER GUARD	KOROGUARD	1" x 1"	STAINLESS STEEL		
GWT-1	GLASS WALL TOPPER - ALUM POSTS W/ FROSTED WHITE GLASS INSERT	C.R. LAURENCE CO. - DESIGN SERIES PARTITION POST SYSTEM	1 1/8" POSTS 1/4" GLASS	SATIN ANODIZED ALUMINUM POSTS FROSTED WHITE GLASS	SPACE SUPPORT POSTS AT 48" O.C. MAX. HEIGHT OF GLASS TOPPER SYSTEM IS 12"	MARKET CAFE, SERVER STATION WALLS AT LOCATIONS OF BEVERAGE SERVICE EQUIPMENT
BMP-1	BUMPER	McCUE		105 STEEL GRAY		BUMPERS ON ALL MILLWORK WHEN INDICATED
BMP-2	CART GUARD BUMPER	McCUE	2"	111 SILVER		BUMPERS ON FLORAL MILLWORK
RWP-1	RECLAIMED WOOD PLANK	WALL THEORY	3"W x 1/4"T x RANDOM	BROWN-ISH	CONTACT: MICHAEL OLSON WALL THEORY - 602-885-1520	FLORAL WALLS
GW-1	GREEN WALL	VISTAGREEN ARTIFICIAL GREEN WALLS	31.5" x 31.5"	CUSTOM MIX OF VISTAGREEN 'A', 'B', AND 'C' PANELS - CUSTOM CUT ON SITE TO FIT WALL DESIGN	CONTACT: ANDY DREYER GREEN ROOF SOLUTIONS - (847) 297-7936	FLORAL WALLS
HS-1	HARDSTOP DECORATIVE WALL PROTECTION PANELS	FORMICA		SPECTRUM RED - ARTISAN FINISH TRIM COLOR-100 CLEAR ANODIZED	CONTACT: JENI ROBB FORMICA - (612)212-6038	CUSTOMER SERVICE WALLS - 2020 REDESIGN

WALL BASE

KEY	TYPE	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
B1	VINYL BASE	JOHNSONITE	4"	#63 BURNT UMBER	SEE DRAWINGS FOR MILLWORK BASE HEIGHT	GENERAL WALL BASE
B2	VINYL BASE	JOHNSONITE	6"	#63 BURNT UMBER		DAIRY COOLER BASE
B3	GRANULAR QUARTZ EPOXY	TENNANT COMPANY			30/60 GRIT ALUMINUM OXIDE	KITCHEN & BAKERY FLOOR COATING
B4	GRANULAR QUARTZ EPOXY	TENNANT COMPANY		HY-VEE TACO RED: 4 RED, 2 TAN, 1/4 BUFF	30/60 GRIT ALUMINUM OXIDE	MEAT & SEAFOOD DEPARTMENT FLOOR COATING
B5	METAL SKIRT				SEE DETAILS	MEAT CASES
B6	WOOD BASE		2 X 10	WITH CHAMFERED EDGE	SEE DETAILS	BACK ROOM
B7	SOLID COLOR BROADCAST EPOXY	TENNANT COMPANY		1070 SILVER BLUE GREY	SEE DETAILS	PRODUCE PRE-PACK
B9	QUARRY TILE		6 x 6	MATCH EXISTING	NEW QT BASE AT EXISTING QT FLOOR LOCATIONS	
B11	RUBBER BASE	JOHNSONITE	4"/ 6"	COVE RUBBER BASE COLOR: IRONSTONE	4" BASE @ FLORAL CHECKOUT MILLWORK 6" BASE @ FLORAL MERCHANDISER IN CHECKOUT MILLWORK	FLORAL MILLWORK CUSTOMER SERVICE WALL & MILLWORK BASE

FLOOR FINISH

KEY	TYPE	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
F2	VINYL COMPOSITE TILE	ARMSTRONG RAYMOND WHEELER: 630-567-8834	12" X 12"	STANDARD EXCELON IMPERIAL TEXTURE #51908 PEWTER		DOLLAR FRESH SALES FLOOR OVERLAY
F5	EPOXY TERRAZZO			COLOR MIX TO MATCH EXISTING AGGREGATE	GROUND AND POLISHED CONCRETE	SALES FLOOR AT LOCTIONS WITH EXISTING TO REMAIN
F6	CONCRETE			PLAIN GRAY		SALES FLOOR, WINE & SPIRITS, FLORAL (2019)
F7	SEALED CONCRETE (U.N.O.)			EPOXY RESIN BINDER	TYPICAL TROWELED FINISH	
F8	SOLID COLOR EPOXY	TENNANT COMPANY		1070 SILVER BLUE GREY	APPLY OVER SMOOTH TROWELED CONCRETE	PRODUCE COOLER AND PRODUCE TRIM ROOM, FREEZER/COOLER FLOOR COATING (WHERE REQ'D)
F9	QUARTZ EPOXY	TENNANT COMPANY		TENNFLOOR QUARTZ, #9009180 OXFORD		KITCHEN & BAKERY, DELI/CHEESE FLOOR COATING
F10	QUARTZ EPOXY	TENNANT COMPANY		HY-VEE TACO RED: 4 RED, 2 TAN, 1/4 BUFF		MEAT & SEAFOOD DEPARTMENT FLOOR COATING
F11	CARPET	INTERFACE AMY SIMMONS: 515-414-6231	19.69" X 19.69"	PRODUCT: CT 101 W/ GLASBACK RE BACKING COLOR: WALNUT #103977		GENERAL OFFICES
F12	ENTRY MAT	PORTICO GREG GRIFFIN: 864-430-3997	19.69" X 19.69"	DIPLOMAT TILE - 'CARBON 9859'		VESTIBULE
F19	STAIR TREAD	ROPPE TYPE 92/ SQ. NOSE/ LOW PROF./ CIRCULAR		CHARCOAL #123	LOW PROFILE RAISED CIRCULAR DESIGN SQUARE NOSE	STAIRS TO MEZZANINE
F21	CARPET WITH CUSHION	INTERFACE AMY SIMMONS: 515-414-6231	19.69" X 19.69"	PRODUCT: CT 101 W/ CUSHIONBAC PLUS BACKING COLOR: WALNUT #103977		PHARMACY FLOORING
F23	QUARRY TILE			MATCH EXISTING		
F24	PORCELAIN TILE	American O'Lean 515-985-7590	12" X 24"	SIMPLY MODERN, COFFEE	PROVIDE SCHLUETER-RONDEC COVETRIM BETWEEN FLOOR TILE AND ADJACENT WALL TILE GROUT: TruColor BOSTIK FRENCH GRAY H142/STORM-DG06	RESTROOM FLOOR TILE (LAYOUT TO BE STACKED)
F26	SHEET VINYL	ARMSTRONG RAYMOND WHEELER: 630-567-8834		REJUVENATIONS, TIMBERLINE, WALNUT, 37378 SEPIA		CLINIC FLOORING WHEN SHEET GOODS ARE REQUIRED
F27	LVT	ARMSTRONG RAYMOND WHEELER: 630-567-8834	9" X 48"	NATURAL CREATIONS WITH DIAMOND 10 ARBOR ART, CITY MILL, NA145 STORM CLOUD		WINE & SPIRITS FLOORING, GREETING CARDS FLOORING
F30	LVT	PORTICO GREG GRIFFIN: 864-430-3997	18" X 36"	NOVAFLOR BIRKDALE HONED TRAVERTINE CLOUD - NBT001SAM	STACK TILE, SEE PLAN FOR TILE DIRECTION	BEAUTY/BASIN FLOORING, DISCONTINUED DEC 2020
F30A	LVT	SHAW TRACIE LILLARD: 515-204-3935	18" X 36"	STRAND, CHALK 16515	STACK TILE, SEE PLAN FOR TILE DIRECTION	BEAUTY/BASIN FLOORING
F31	LVT	ARMSTRONG RAYMOND WHEELER: 630-567-8834	12" X 24"	BRACO, PUTTY	STAGGERED PATTERN, SEE PLAN FOR TILE DIRECTION	DINING & BAR AREA/MARKET GRILLE REMODELS
F32	LVT	ARMSTRONG RAYMOND WHEELER: 630-567-8834	12" X 24"	BRACO, MORTAR	STAGGERED PATTERN, SEE PLAN FOR TILE DIRECTION	MAIN STORE SALES FLOOR FLOORING FLORAL DEPARTMENT, WITH LVT SALES FLOOR (2019)
F33	LVT	SHAW TRACIE LILLARD: 515-204-3935	18" X 36"	STRAND 0516V, CHALK 16515	STRIPED PATTERN, SEE PLAN FOR LAYOUT	CANDY AISLE
F34	LVT	SHAW TRACIE LILLARD: 515-204-3935	18" X 36"	STRAND 0516V, SILT 16595	STRIPED PATTERN, SEE PLAN FOR LAYOUT	CANDY AISLE
F35	LVT	ASPECTA	18" X 18"	WASHED CONCRETE - IRON, 5968111 FROM THE ASPECTA FIVE LINE		STARBUCKS FLOORING- SUPERSEDED SIZE
F35A	LVT	ASPECTA	24" X 24"	WASHED CONCRETE - IRON, 5968111 FROM THE ASPECTA FIVE LINE		STARBUCKS FLOORING
F36	LVT	ARMSTRONG RAYMOND WHEELER: 630-567-8834	9" X 48"	NATURAL CREATIONS WITH DIAMOND 10 ARBOR ART, CITY MILL, NA142 WIND STORM		PREFERRED CLINIC FLOORING WHEN NOT SPECIFIED BY PROVIDER
F37	LVT	MOHAWK CAITLIN SHEEDER: (515) 306-0819	36" X 36"	HOT & HEAVY 5MM, BOLDER PEBBLE 925	ADHESIVE: M99	SALES FLOOR LVT
F37A	LVT	MOHAWK CAITLIN SHEEDER: (515) 306-0819	36" X 36"	HOT & HEAVY 2.5MM, BOLDER PEBBLE 925	ADHESIVE: M99	CUSTOM SIZE OF F37 LVT, USED AT GRIMES
F39	LVT	PARTERRE CHRIS EASLER: 617.800.5315	7.25" X 48"	INGRAINED WESTPORT OAK 11291		SALES FLOOR AT DSW/JOE FRESH 2020
F40	LVT	MOHAWK CAITLIN SHEEDER: (515) 306-0819	9" X 48"	MOHAWK ANTIEK C0015 IN 931 NIMBUS	INSTALL FRONT TO BACK WITH 1/3 STAGGERED PATTERN ADHESIVE: M99	WINE & SPIRITS, MOTHERS ROOMS
F41	LVT	MOHAWK CAITLIN SHEEDER: (515) 306-0819	36" X 36"	HOT & HEAVY 5MM, SCHIST	ADHESIVE: M99	TEST DINING ACCENT FLOOR COLOR AT MARION
F42	LVT	MOHAWK CAITLIN SHEEDER: (515) 306-0819	8" X 48"	BETTER TOGETHER 5 MM, BONAFIDE 766	INSTALL FRONT TO BACK WITH 1/3 STAGGERED PATTERN ADHESIVE: M99	SALE FLOOR AT DSW/JOE FRESH- TO BE USED WHEN F37 (5MM) PRODUCT IS SPECIFIED AT CENTER STORE
F43	LVT	MOHAWK CAITLIN SHEEDER: (515) 306-0819	36" X 36"	HOT & HEAVY 5 MM BOLDER, SCHIST 888	ADHESIVE: M99	DINING ACCENT LVT- TO BE USED WHEN F37 (5MM) PRODUCT IS SPECIFIED AT CENTER STORE

FLOOR TRANSITIONS

KEY	FROM: FLOORING TYPE	TO: FLOORING TYPE	DELTA	FINISH	MANUFACTURER/ ITEM#	LOCATION
FT1	LVT (F27, F30, F31, F32)	FINISHED CONCRETE (F6)	-3MM/ 1/8"	BRUSHED NICKEL	SCHLUTER-VINPRO-U VPU 40 ATGB	SEE FLOORING TYPE ABOVE
FT2	LVT (F32)	QUARTZ EPOXY FLOORING (F9, F10)	</=3MM/ 1/8"	BRUSHED NICKEL	SCHLUTER-VINPRO-U VPU 40 ATGB	SEE FLOORING TYPE ABOVE
FT3	PORTICO DIPLOMAT CARPET TILE (F12)	FINISHED CONCRETE (F6), LVT (F32), EP. TERRAZZO (F5)	-0.5"	ANODIZED ALUMINUM	REESE SADDLE THRESHOLD S814ddedit	SEE FLOORING TYPE ABOVE
FT4	EPOXY TERRAZZO (F5)	FINISHED CONCRETE (F6)	SAME			SEE FLOORING TYPE ABOVE
FT5	EPOXY TERRAZZO (F5)	LVT (F27, F30, F31, F32)	</=3MM/ 1/8"	BRUSHED NICKEL	SCHLUTER-VINPRO-U VPU 40 ATGB	SEE FLOORING TYPE ABOVE
FT6	PORCELAIN TILE (F24)	LVT (F32)	8MM TO 3MM/ 1/8"	SATIN NICKEL	SCHLUTER-RENO-U AU 80 ATGB	SEE FLOORING TYPE ABOVE
FT7	CARPET (F11)	LVT (F32)	</= 1/8" 3/16" - 1/4"	BRUSHED NICKEL SATIN ANODIZED ALUMINUM	SCHLUTER-VINPRO-S VPS 40 ATGB FUTURA LVT 115 OR FUTURA LVT 160	SEE FLOORING TYPE ABOVE
FT8	CARPET (F21)	LVT (F32)	</= 1/8" 3/16" - 1/4"	BRUSHED NICKEL SATIN ANODIZED ALUMINUM	SCHLUTER-VINPRO-S VPS 40 ATGB FUTURA LVT 115 OR FUTURA LVT 160	SEE FLOORING TYPE ABOVE
FT9	CARPET (F11)	FINISHED CONCRETE (F6)	</= 1/8" 3/16" - 1/4"	BRUSHED NICKEL SATIN ANODIZED ALUMINUM	SCHLUTER-VINPRO-S VPS 40 ATGB FUTURA LVT 115 OR FUTURA LVT 160	SEE FLOORING TYPE ABOVE
FT10	CARPET (F21)	FINISHED CONCRETE (F6)	</= 1/8" 3/16" - 1/4"	BRUSHED NICKEL SATIN ANODIZED ALUMINUM	SCHLUTER-VINPRO-S VPS 40 ATGB FUTURA LVT 115 OR FUTURA LVT 160	SEE FLOORING TYPE ABOVE
FT11	QUARRY TILE (F23)	FINISHED CONCRETE (F6)	12.5MM TO ZERO	SATIN ANODIZED ALUMINUM	SCHLUTER-RENO - RAMP AERP 125 B65	SEE FLOORING TYPE ABOVE
FT12	QUARRY TILE (F23)	LVT (F32)	12.5MM TO 3 MM	SATIN ANODIZED ALUMINUM	SCHLUTER-RENO U AEU 125	SEE FLOORING TYPE ABOVE
FT13	NOT USED	NOT USED	XXXX			SEE FLOORING TYPE ABOVE
FT14	NOT USED	NOT USED	XXXX			SEE FLOORING TYPE ABOVE
FT15	LVT (F27, F33, F34)	FINISHED CONCRETE (F6)	1/8" TO FLOOR	BURNT UMBER	TARKETT REDUCER RRS-XX-C	TRANSITION FOR GREETING CARDS AND CANDY
FT16	TERRAZZO OR CONCRETE	LVT (F37) OR QUARRY TILE		SOLID ALUMINUM	REESE S480	TRANSITION BW TERRAZZO OR CONCRETE AND F37 LVT
FT17	LVT (F30)	FINISHED CONCRETE (F6)	3 MM	SOLID ALUMINUM	FUTURA 113	SEE FLOORING TYPE ABOVE
FT18	LVT (F37)	LVT (F33, F34, F35A, F40)	2.5 - 3 MM	N/A	ROPPE SUBFLOOR LEVELER	SEE FLOORING TYPE ABOVE

WALL CAPS & OTHER SOLID SURFACE

KEY	TYPE	MANUFACTURER	COLOR	NOTES	LOCATION
WC-6	SOLID SURFACE	STARON	CHESTNUT SC 457		KITCHEN FRONT LINE WALL CAPS
WC-9	SOLID MAPLE		SHERWIN WILLIAMS 3135-P NEW EBONY STAIN WITH CLEAR COAT	SUPPLIED AND INSTALLED BY G.C.	BAR & CASUAL DINING AREA
SOLID SURFACE-7	SOLID SURFACE	VARIES PER JOB	VARIES PER JOB		CLINIC SOLID SURFACE
SOLID SURFACE-8	NATURAL QUARTZ	CORIAN	MYSTIC BLACK		SUSHI ISLAND TOP, TASTE ISLAND TOP, CASUAL DINING BAR TOP, WALL CAPS @ BAR
SOLID SURFACE-11	SOLID SURFACE	FORMICA SIGNATURES	WHITE RENEW 748		FLORAL CHECK REGISTER MILLWORK & BACK WORK COUNTER, FLORAL/SEASONAL RETAIL FIXTURES
SOLID SURFACE-12	SOLID SURFACE	CORIAN	WHITE FROST		SINK BOWL MODEL 816P IN RESTROOMS & MOTHERS ROOM
SOLID SURFACE-13	SOLID SURFACE	WILSONART	GOLD GLITZ 9108CS (5)		SS TOP ON SHELF IN PREMIUM CANDY DISPLAYS
SOLID SURFACE-14	SOLID SURFACE	CORIAN	GLACIER WHITE		BASIN MILLWORK TOP
SOLID SURFACE-15	SOLID SURFACE	STARON	AL645 ASPEN LILY		WINDOWSILLS
SOLID SURFACE-16	SOLID SURFACE	FORMICA	LUNA WEATHER 782		SALAD & HOT BAR. MOTHERS ROOM COUNTER TOP
SOLID SURFACE-17	SOLID SURFACE	FORMICA	LUNA STONE 780		RESTROOM COUNTER TOPS
SOLID SURFACE-18	SOLID SURFACE	FORMICA	BRIGHT WHITE 109		JOE FRESH/ DSW CASHWRAP & BACK COUNTER
SOLID SURFACE-19	SOLID SURFACE	CORIAN	PORTORO		GRIMES BAKERY SLAB CASE AND DECORATOR COUNTERTOP

PLASTIC LAMINATE

KEY	MANUFACTURER	COLOR	NOTES	LOCATION
P.LAM-12	FORMICA	RATTAN CANE #3699-58	GRAIN TO RUN VERTICALLY	SALAD BAR
P.LAM-13	FORMICA	NATURAL CANE #6930-NT	NATURELLE FINISH GRAIN TO RUN HORIZONTALLY	CUSTOMER SERVICE MILLWORK FACE, NORI SUSHHI
P.LAM-14	NEVAMAR	FOUNDRY S2084T	TEXTURED FINISH, T-EDGE TO MATCH WILSONART SHADOW	COUNTERTOPS AT: CUST SERV, BAKERY, PHARMACY, CASUAL DINING, OFFICES, CONCIERGE DESK, PAY STATION
P.LAM-15	WILSONART	HIGH LINE #7970K-18	LINEARITY FINISH W/AEON GRAIN TO RUN VERTICALLY	BAKERY MILLWORK
P.LAM-16	FORMICA	EBONY #9012-NT	NATURELLE FINISH GRAIN TO RUN VERTICALLY	HICKORY HOUSE & BAGEL MILLWORK & CASES, KITCHEN BACK OF HOUSE CABINETS
P.LAM-18	NEVAMAR	DRY CREEK PLUM TREE WZ6001T	TEXTURED FINISH (ARMORED PROTECTION) GRAIN TO RUN VERTICALLY	CHEESE CLOUD MARKET GRILLE EXPRESS PAY STATION MILLWORK KITCHEN BACK ROOM MILLWORK NOT VISIBLE TO SALES FLOOR
P.LAM-20	NEVAMAR	RED DRAGON BAMBOO WZ1001T	TEXTURED FINISH (ARMORED PROTECTION)	ASIAN CASE FRONTS - DOES NOT APPLY TO SUSHI, SUSHI TO BE STAINLESS STEEL
P.LAM-21	FORMICA	ENVISON CUSTOM HEX PATTERN	CONTACT SARA ERVIN AT HOLDAHL COMPANY 515-865-0646	BAR FRONTS
P.LAM-23	FORMICA	PECAN WOODLINE #5883-58	MATTE FINISH GRAIN TO RUN VERTICALLY	MOTHERS ROOM MILLWORK, FOOD SERVICE PASS THRU FACES
P.LAM-26	WILSONART	D91-60 SLATE GREY	MATTE FINISH	KITCHEN CABINETS VISIBLE TO SALES FLOOR
P.LAM-28	FORMICA	DECO METAL, GRAPHITE VEIL M8391		OUTSIDE WALLS OF SUSHI ISLAND
P.LAM-31	FORMICA	BLACK 909-58		HIBACHI MILLWORK BEHIND TILE WALL/EMPLOYEE SIDE, INSIDE WALLS OF SUSHI
P.LAM-32	PIONITE	SABLE, AG021	SUEDE FINISH	HIBACHI MILLWORK VISIBLE TO SALES FLOOR
P.LAM-33	WILSONART	8206K-16 SADDLE OAK	CASUAL RUSTIC FINISH	CASUAL DINING BEVERAGE BAR, BOOTH & ELIASON DOORS
P.LAM-34	FORMICA	8843-WR NATURAL ASH	WOODBRUSH FINISH, RUN GRAIN VERTICALLY	HEARING CLINIC DISPLAY CASE/CABINET FACE
P.LAM-36	WILSONART	CARTER OAK, 17004K-57	ALIGNED TEXTURED/AEON & ANTIMICROBIAL RUN GRAIN VERTICALLY	FAST & FRESH MILLWORK & CHECK LANES BEGINNING IN 3.19. STAIN TO MATCH THIS LAMINATE @ F&F BAKERY TABLES & PRODUCE BINS AT HM & F&F.
P.LAM-38	FORMICA	8910-NG RAW BIRCHPLY	NATURAL GRAIN	FLORAL MILLWORK, WORKTABLES, BALLOON RETAIL FIXTURE, LATEX/HELIUM MILLWORK
P.LAM-39	WILSONART	4886-38 PEARL SOAPSTONE	FINE VELVET FINISH	FLORAL SECONDARY CABINETRY MILLWORK MATERIAL, TOP FOR LATEX CABINET
P.LAM-40	PIONITE	CHOCOLATE MALT WC210-H		BASIN MILLWORK
P.LAM-41	WILSONART	FLORENCE WALNUT 7993-3		BASIN MILLWORK
P.LAM-42	FORMICA	949-AN WHITE	INFINITY FINISH	CUSTOMER SERVICE MILLWORK LAMINATE - 2020 REDESIGN
P.LAM-43	FORMICA	9312-NG PLANKED URBAN OAK	NATURAL GRAIN	CUSTOMER SERVICE MILLWORK LAMINATE (CENTER PORTION) - 2020 REDESIGN
P.LAM-44	FORMICA	961 FOG	MATTE FINISH	JOE FRESH/DSW MILLWORK AND WALL PANEL & CUSTOMER SERVICE COUNTERTOPS

NOTE: ALL CABINET INTERIORS TO BE WHITE MELAMINE U.N.O.

PAINT

KEY	MANUFACTURER	COLOR	NOTES	LOCATION
P-1	SHERWIN WILLIAMS	SW 7006 EXTRA WHITE	EGGSHELL FINISH	GYP BOARD CEILINGS (GENERAL) FLORAL WALLS
P-2	SHERWIN WILLIAMS	SW 6148 WOOL SKEIN	EGGSHELL FINISH	EARTH TONES WALL COLOR
P-9	SHERWIN WILLIAMS	SW 7020 BLACK FOX	GLOSS FINISH	INTERIOR DOORS & FRAMES
P-10	SHERWIN WILLIAMS	SW 7048 URBANE BRONZE	EGGSHELL FINISH	MARKET GRILLE & MARKET CAFE EXPOSED STRUCTURE
P-13	SHERWIN WILLIAMS	SW 7011 NATURAL CHOICE	EGGSHELL FINISH	EARTH TONES VESTIBULE & OFFICES
P-16	SHERWIN WILLIAMS	SW 2822 DOWNING SAND	EGGSHELL FINISH	EARTH TONES CASUAL DINING & EXPOSED STRUCTURE
P-23	SHERWIN WILLIAMS	SW 7059 UNUSUAL GRAY	EGGSHELL FINISH	MARKET CAFE&GRILLE ENTRY WALL @ SALES FLOOR SIDE
P-24	SHERWIN WILLIAMS	SW 7044 AMAZING GRAY	EGGSHELL FINISH	RESTROOM WALLS
P-29	SHERWIN WILLIAMS	SW 6607 RED TOMATO	GLOSS FINISH	ASIAN BULKHEAD
P-31	SHERWIN WILLIAMS	SW 0077 CLASSIC FRENCH GRAY	EGGSHELL FINISH	BAKERY BULKHEAD, WINE & SPIRITS STRUCTURE, CASUAL DINING & BAR CEILING CLOUDS, PHARMACY BULKHEAD BEHIND LETTERING
P-32	SHERWIN WILLIAMS	SW 6450 EASY GREEN	EGGSHELL FINISH	DECADENT DELIGHTS CLOUD/BULKHEAD (STREETSCAPES DECOR)
P-33	SHERWIN WILLIAMS	SW 6767 AQUARIUM	EGGSHELL FINISH	SEAFOOD BULKHEAD
P-34	SHERWIN WILLIAMS	SW 6487 CLOUDBURST	EGGSHELL FINISH	FROZEN WALL
P-35	SHERWIN WILLIAMS	SW 6684 BRITTLEBUSH	EGGSHELL FINISH	DELI/CHEESE ISLAND CLOUD
P-36	SHERWIN WILLIAMS	SW 7065 ARGOS	EGGSHELL FINISH	UNDERSIDE OF HICKORY HOUSE, CASUAL DINING WALLS, FLORAL ACOUSTICAL CEILING PAINT WHEN BELOW MEZZANINE
P-37	SHERWIN WILLIAMS	SW 6100 PRACTICAL BEIGE	EGGSHELL FINISH	GYP. BOARD PORTION ON UNDERSIDE OF ITALIAN CLOUD
P-38	SHERWIN WILLIAMS	SW 7643 PUSSYWILLOW	EGGSHELL FINISH	WALL COLOR AT WINE & SPIRITS STORES
P-43	SHERWIN WILLIAMS	SW 6006 BLACK BEAN	EGGSHELL FINISH	CHOPHOUSE MEATS BULKHEAD
P-44	SHERWIN WILLIAMS	SW 6508 SECURE BLUE	EGGSHELL FINISH	CLINIC
P-45	SHERWIN WILLIAMS	SW 6711 PARAKEET	EGGSHELL FINISH	MAIN BULKHEAD BUMP OUT UNDER PHARMACY LETTERING
P-46	SHERWIN WILLIAMS	SW 6993 BLACK OF NIGHT	EGGSHELL FINISH	UNDERSIDE & BACK OF HIBACHI CLOUD WHERE CHEMETAL IS NOT LOCATED
P-47	SHERWIN WILLIAMS	SW 7076 CYBERSPACE	EGGSHELL FINISH	LONG ISLAND DELI BULKHEAD
P-48	SHERWIN WILLIAMS	SW 7056 RESERVED WHITE	EGGSHELL FINISH	H.M. PHARMACY BULKHEAD BORDER & DEPT WALLS, F&F GENERAL WALL COLOR
P-49	SHERWIN WILLIAMS	SW 7069 IRON ORE	EGGSHELL FINISH	WINE & SPIRITS LOGO BULKHEAD
P-51	SHERWIN WILLIAMS	SW 7016 MINDFUL GRAY	EGGSHELL FINISH	SALES FLOOR WALLS, COLUMNS, EXPOSED STRUCTURE, CLINIC PHARMACY FACE WALL BELOW BULKHEAD, CUSTOMER SERVICE WALLS
P-52	SHERWIN WILLIAMS	SW 6242 BRACING BLUE	EGGSHELL FINISH	HEARING CENTER BULKHEAD
P-53	SHERWIN WILLIAMS	SW 9165 GOSSAMER VEIL	EGGSHELL FINISH	VESTIBULE INSIDE & STORE-SIDE WALLS, OFFICE &HALLWAYS, CLINIC WALLS, PHARMACY INTERIOR WALL COLOR, BREAK ROOM WALLS
P-54	SHERWIN WILLIAMS	SW 6183 CONSERVATIVE GRAY	EGGSHELL FINISH	DOLLAR FRESH FIELD COLOR
P-55	SHERWIN WILLIAMS	SW 7593 RUSTIC RED		EXTERIOR DOOR COLOR FOR STORES WITH RED BRICK EXTERIOR
P-56	SCUFF MASTER	VRL005	VAPOR/VAPOR LUXE	MIA PIZZA BULKHEAD
P-57	SHERWIN WILLIAMS	SW 7663 MONORAIL SILVER	EGGSHELL FINISH	DSW ACCENT COLOR

WALL TILE

KEY	MANUFACTURER	SIZE	COLOR	NOTES	LOCATION
T-1	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	12" X 12"	VOLUME 1.0 INTENSITY PEBBLE VL72	GROUT: HYDROMENT FRENCH GRAY H142	MARKET GRILLE KITCHEN GENERAL WALL TILE
T-2	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	8" X 24"	COLOR WHEEL 0761 MATTE URBAN PUTTY	GROUT: HYDROMENT MOBE PEARL H145	MEAT & SEAFOOD GENERAL WALL TILE
T-4	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	6" X 36"	SADDLEBROOK SD13 COLOR: OAKTRAIL	GROUT: BOSTIK CLAY H197	MIA PIZZA LOW WALL
T-5	VIRGINIA TILE 2001 NW 92ND CT, CLIVE, IA 50325 NANCY PEARSON: 515-244-1200	4" X 8"	CROSSVILLE, COLOR BY NUMBERS COLOR: CARBON 14, GLOSS	GROUT: BOSTIK FRENCH GRAY H142	PIZZA OVEN AT FAST & FRESH STORES
T-6	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	3" X 6"	COLOR WAVE CW32 COLOR: CAPRI BREZE	GROUT: BOSTIK WHITE SANDED GROUT H152	SEAFOOD ACCENT WALL TILE
T-7	VIRGINIA TILE 2001 NW 92ND CT. DES MOINES, IA 50325 NANCY PEARSON: 515-224-1200	6" X 6"	MOSA COLORS 20980 CHILI	GROUT: BOSTIK WHITE SANDED GROUT H152	MEAT ACCENT WALL TILE
T-8	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	12" X 24"	MULTITUDE WHITE HEXAGON	GROUT: HYDROMENT MOBE PEARL H145 GROUT JOINT TO BE 1/16"	DECADENT DELIGHTS/CAKE WALL
T-9	SUNDERLAND BROTHERS CO. 4451 112TH ST. URBANDALE, IA 50322 515-276-3600	6" X 24"	PIETRA ART SLATE COLOR: NS300/L6x24 ASH	SEAL STONE WITH AQUA MIX SEALER'S CHOICE GOLD (APPLY PER MANUFACTURER'S RECOMMENDATIONS)	WINE ROOM WALLS
T-17	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	6" X 12"	COLOR MATCH ON TALC BODY QH96 ROMA RED	INSTALL IN STACK BOND COURSING GROUT: HYDROMENT MOBE PEARL H145	ASIAN GENERAL WALL TILE
T-18	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	6" X 24"	TIMBER GLEN CONTEMPORARY P623 COCOA	INSTALL IN STAGGERED COURSING GROUT: BOSTIK CLAY H197	MIA PIZZA OVEN SURROUND
T-19	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	6" X 24"	TIMBER GLEN CONTEMPORARY P625 THATCH	GROUT: HYDROMENT MOBE PEARL H145	BAKERY OVEN WALLS
T-21	AMERICAN OLEAN 4265 NW 109TH ST. URBANDALE, IA 50322 515-985-7590	12" X 24"	STONEPEAK, SIMPLY MODERN COLOR: TAN	GROUT: TruColor BY BOSTIK MISTY GRAY H144/OCEAN GRAY D-G05	RESTROOM WALL TILE
T-22	AMERICAN OLEAN 4265 NW 109TH ST. URBANDALE, IA 50322 515-985-7590	12" X 12"	STONEPEAK, SIMPLY MODERN COLOR: TAN	GROUT: TruColor BY BOSTIK MISTY GRAY H144/OCEAN GRAY D-G05	RESTROOM WALL BASE TILE & DRINKING FOUNTAIN WALL
T-23	SUNDERLAND BROTHERS CO. 4451 112TH ST. URBANDALE, IA 50322 515-276-3600	12" X 12"	PIETRA ART BLISS COLOR: FOSSIL ROCK NS385 RSP5/8	GROUT: TruColor BY BOSTIK MISTY GRAY H144/OCEAN GRAY D-G05	RESTROOM WALL ACCENT TILE
T-25	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	4" X 12"	LUNGARNO URBAN TEXTURES COLOR: WHITE MATTE	GROUT: BOSTIK FRENCH GRAY H142 COURSING: STACKED AT BAKERY STAGGERED AT OTHER DEPARTMENTS	DISCONTINUED OCTOBER 2020. SUPERSEDED BY T-25A
T-25A	DALTILE 4416 121ST ST. URBANDALE, IA 50131 AMANDA BALHORN: 402-981-7045	4" X 12"	COLORWHEEL LINEAR COLOR: 0790 ARCTIC WHITE MATTE	GROUT: BOSTIK FRENCH GRAY H142 COURSING: STACKED AT BAKERY STAGGERED AT OTHER DEPARTMENTS	DELI/CHEESE GENERAL WALL TILE, BAKERY & SALADS WALL TILE, BEV BAR BACK WALL, AGED BEEF CASE WALLS
T-26	MARAZZI USA 359 CLAY RD. E SUNNYVALE, TX 75182 972-232-3801	4" X 12"	SISTEM C CITTA COLOR: OCRA FINISH: MATTE	GROUT @DELI/CHEESE: BOSTIK FRENCH GRAY H142 GROUT @COCINA MEXICANA LOW WALL TILE: H152	DELI/CHEESE ACCENT WALL TILE
T-30	SUNDERLAND BROTHERS CO. 4451 112TH ST. URBANDALE, IA 50322 515-276-3600	16" X 32"	FLORIM, ELEMENTS COLOR: GUNMETAL FINISH: SEMI POLISHED	GROUT: BOSTIK CHAR BLACK H139 1/8" THICK GROUT LINE	DELI/CHEESE/CHARCUTERIE BLACK ACCENT WALL TILE DISCONTINUED 12/2020 REPLACED BY T-30A
T-30A	SUNDERLAND BROTHERS CO. 4451 112TH ST. URBANDALE, IA 50322 515-276-3600	12" x 24"	FLORIM, ELEMENTS COLOR: GUNMETAL FINISH: SEMI POLISHED	GROUT: BOSTIK CHAR BLACK H139 1/8" THICK GROUT LINE	DELI/CHEESE/CHARCUTERIE BLACK ACCENT WALL TILE
T-31	MIDWEST TILE MARBLE & GRANITE 2700 100th ST. URBANDLE, IA 50322 515-334-0139	6" X 36"	EMIL CERAMICA, STONEBOX COLOR: BLACK INK	GROUT: BOSTIK CHAR BLACK H139	LOW WALL AT HIBACHI
T-32	SUNDERLAND BROTHERS CO. 4451 112TH ST. URBANDALE, IA 50322 515-276-3600	18" X 36"	IRIS CERAMICA, BLOCKS 5.0 COLOR: DARK FINISH: HONED	GROUT: BOSTIK CHAR BLACK H139	BACK BAR WALL AT CASUAL DINING BAR
T-34	CERAMIC TECHNICS, LTD. CONTACT: MARY CLAIRE SOWERS 847-732-6365 - msowers@ceramictechnics.com	3" X 12"	MALAGA OXIDIZED SUBWAY COLOR: IRON	GROUT: BOSTIK SILVER BULLET H168	FLORAL WALLS
T-35	MY-MOSAIC CONTACT: ANDREA RUSSELL 773-255-7983 - aradesigncollections@gmail.com	10" X 10"	MEDIUM SQUARE MOSAIC - 022_SQ_M COLOR: CUSTOM IMAGE	GROUT: TBD	MIA PIZZA BULKHEAD
T-36	VIRGINIA TILE 2001 NW 92ND CT. DES MOINES, IA 50325 NANCY PEARSON: 515-224-1200	4" X 5"	ZELLIGE HEXA COLOR: GRAPHITE	GROUT: TBD	NORI ACCENT WALLS

	REVISION	DATE BY
2	ASI #2	01/08/21
3	ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City, Bentonville, Phoenix, San Francisco, Philadelphia, Atlanta, Austin, Miami, Los Angeles, Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr. 01/27/21
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee®
EMPLOYEE OWNED

NORTH

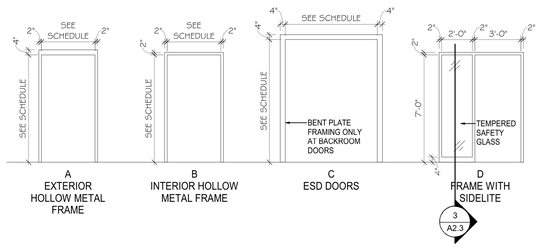
FINISH SCHEDULE

PROJECT MANAGER: SB	CHECKED BY: JPS
DRAWN BY: AP	DATE: 10/20/2020
SCALE:	JOB NUMBER: 62930547

SHEET: A2.2

2 3

1/25/2021 7:09:46 PM



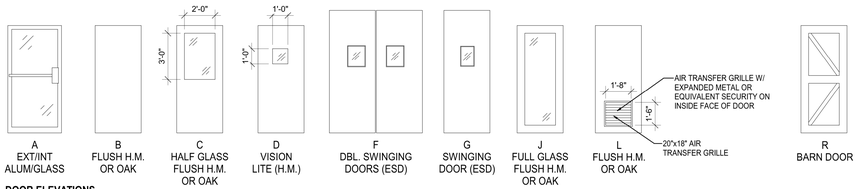
A EXTERIOR HOLLOW METAL FRAME

B INTERIOR HOLLOW METAL FRAME

C ESD DOORS

D FRAME WITH SIDELITE

FRAME ELEVATIONS



A EXT/INT ALUM/GLASS

B FLUSH H.M. OR OAK

C HALF GLASS FLUSH H.M. OR OAK

D VISION LITE (H.M.)

F DBL. SWINGING DOORS (ESD)

G SWINGING DOOR (ESD)

J FULL GLASS FLUSH H.M. OR OAK

L FLUSH H.M. OR OAK

R BARN DOOR

DOOR ELEVATIONS

DOOR AND FRAME ELEVATIONS

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

DOOR & FRAME GENERAL NOTES:

A. ALL WALL STOP DOOR BUMPERS TO BE IVES. PROVIDE WOOD BACKING @ WALL STOPS.

B. ALL WOOD DOORS SHALL NOT HAVE ANY UREA FORMALDEHYDE.

C. PROVIDE CONSTRUCTION CORES AT ALL LOCK CYLINDERS. PERMANENT CORES SHALL BE INSTALLED AT COMPLETION OF PROJECT.

D. FURNISH ONE (1) WALL KEY CABINET AS MANUFACTURED BY LUND DELUXE #1200 WITH CAPACITY FOR 30 KEYS. INSTALLATION TO BE COORDINATED BY SET-UP SUPERVISOR.

E. SAFETY GLAZING SHALL BE PROVIDED IN ACCORDANCE WITH 2009 IBC SECTION 2406.

F. DOOR HARDWARE SHALL BE CAPABLE OF OPERATION WITH THE USE OF ONE (1) HAND AND SHALL NOT REQUIRE TIGHT PINCHING, TIGHT GRASPING OR TWISTING OF THE WRIST TO OPERATE. THUMB-TURN DEADBOLTS ARE PROHIBITED; LEVER OR PADDLE DEADBOLT RELEASES ARE ACCEPTABLE. DOOR THRESHOLD SHALL NOT EXCEED ONE-HALF INCH (1/2") IN HEIGHT. TRESHOLDS EXCEEDING ONE QUARTER INCH (1/4") IN HEIGHT SHALL HAVE A 1:2 BEVEL. DOOR CLOSERS SHALL MEET OPENING FORCE AND SWEEP PERIOD REQUIREMENTS.

G. EXTERIOR HM FRAMES - SEE DETAIL 1/A2.3 FOR MORTAR BOX REQUIREMENT.

H. PAINT ALL INTERIOR HM DOORS AND FRAMES P-9 (SHERWIN WILLIAMS SW 7020 BLACK FOX SEMI-GLOSS)

I. EXTERIOR DOOR AND FRAME COLOR TO MATCH ADJACENT EXTERIOR MATERIALS.

DOOR & FRAME SCHEDULE NOTES:

1. PROVIDE 4"x1/4"x24" STEEL PLATE ON INSIDE FACE OF FRAME TOP AND BOTTOM OF HINGE SIDE WELD TO FRAME. TAP FOR DOOR HINGE SCREWS AT ELIASON DOORS.
2. UNDERCUT DOOR 1".
3. DOOR TO HAVE AIR TIGHT GASKET SEAL AND AIR TIGHT SWEEP AT BOTTOM.
4. PROVIDE ONE-WAY MIRROR GLASS @ LITE.
5. PROVIDE CUSTOM WOOD STAIN COLOR TO MATCH FORMICA '5488-NT SMOKY BROWN'.
6. HOLLOW METAL FRAMES AT SIDES ONLY.
7. REMOVE ALL EXIT SIGNAGE FROM DOOR INCLUDING EMERGENCY EXIT SIGN ABOVE DOOR (IF IT EXISTS) AND INSTALL A HEAVY DUTY PADLOCK AND HASP. DOOR WILL NO LONGER BE USED AS PART OF THE EMERGENCY EGRESS SYSTEM.

DOOR TYPE:

STA4. ALUMINUM TUBE/GLASS ENTRY DOOR (CLEAR ANODIZED ALUMINUM). STANLEY DURA-GLIDE 3000 SLIDER

HM1. EXTERIOR H.M. VERSA 16 GA.

HM2. INTERIOR H.M. OMEGA 18 GA.

WD. WOOD DOOR SOLID CORE PLAIN SLICED RED OAK

SG1. SLIDING GRILLE AT PHARMACY MODEL S-126 BY DYNAMIC CLOSURES.

SG2. SLIDING GRILLE AT WINE & SPIRITS EZ GRILLE BI-PARTING, BY DYNAMIC CLOSURE. SEE NOTES AND DETAILS.

ESD.1 ELIASON MODEL #P11+ BAKERY - BACKROOM SALES - BACKROOM SALAD BAR PREP - PRODUCE; KITCHEN - KITCHEN PREP; FINISH COLOR: METALLIC GRAY

ESD.2 ELIASON MODEL #P11+ W/S - BACKROOM; FINISH COLOR: BEIGE

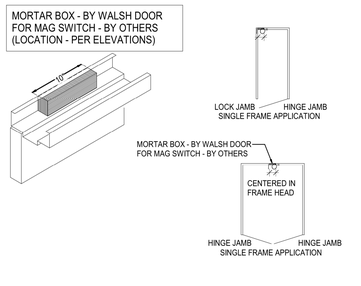
ESD.4 ELIASON MODEL #RMR-1500 PROD. COOLER - PROD. TRIM ROOM PROD. TRIM - BACKROOM (GALV. FRAME OR JAMB) FINISH COLOR: METALLIC GRAY (COOLER); BLACK AT KEG (2)

ESD.6 ELIASON MODEL #LWP-6 CASUAL DINING - DISHWASH AREA (NON-LOCKING); FINISH COLOR: PLAM 19 (WALNUT HEIGHTS)

DOOR AND FRAME SCHEDULE

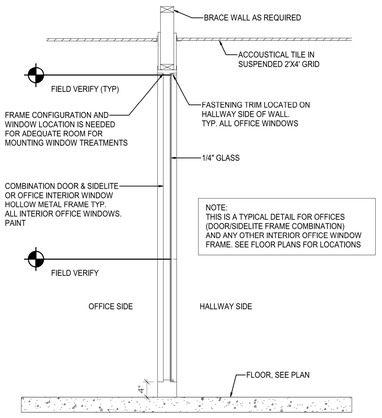
OPENING NUMBER	LOCATION	DOORS TYPE	DOORS NOMINAL SIZE W	DOORS NOMINAL SIZE H	DOORS NOMINAL SIZE T	DOOR ELEVATION	QUANTITY	FRAME ELEVATION	FRAME DETAIL HEAD	FRAME DETAIL JAMB	SCHEDULE NOTES	HARDWARE GROUP	OPENING NUMBER
1	W & S VESTIBULE	STA4	8'-0"	10'-0"	---	REF A3.12	1	REF A3.12	---	---	---	---	1
2	WINE & SPIRITS	STA4	10'-0"	12'-0"	---	REF A3.12	1	REF A3.12	[5]	[4]	[---]	---	2
3	DISH ROOM	ESD.6	3'-0"	7'-0"	---	---	1	B	A	A	---	8	3
5	WINE & SPIRITS	HM1	5'-0"	7'-0"	1 3/4"	B	PR	A	K	J	3	5A	5
6	STORAGE	ESD.2	5'-0"	7'-0"	---	F	PR	C	B	B	---	7	6
7	COMM. ROOM	WD	3'-0"	7'-0"	1 3/4"	L	1	B	D	D	---	12	7
8	EMPLOYEE LOUNGE	WD	3'-0"	7'-0"	1 3/4"	C	1	D	D	D	---	11B	8
9	PREP AREA	ESD.1	3'-0"	7'-0"	---	G	1	B	A	A	---	8	9
10	ASSISTANT MANAGERS OFFICE	WD	3'-0"	7'-0"	1 3/4"	C	1	D	D	D	---	12A	10
11	DIRECTORS OFFICE	WD	3'-0"	7'-0"	1 3/4"	B	1	D	D	D	---	12A	11
12	HUMAN RESOURCES	WD	3'-0"	7'-0"	1 3/4"	B	1	D	D	D	---	12A	12
13	DEPT. HEADS	WD	3'-0"	7'-0"	1 3/4"	B	1	D	D	D	---	12A	13
14	SALES	ETR	3'-0"	7'-0"	---	---	1	---	---	---	---	---	14
15	BAKERY	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	15
16	HALLWAY	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	16
17	KEG COOLER	ESD.4	3'-0"	7'-0"		REF A3.9 (1) (2)		B	A	A	---	8	17
18	WOMEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	18
19	MOTHERS ROOM	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	19
20	WOMEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	20
21	WOMEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	21
22	WOMEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	22
23	WOMEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	23
24	MEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	24
25	MEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	25
26	MEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	26
27	MEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	27
28	MEN	WD	3'-0"	7'-0"	1 3/4"	B	1	B	D	D	2	9A	28
29	DSD ROOM	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	29
30	BAKERY	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	30
31	STOCKROOM	ETR	3'-0"	7'-0"	---	---	---	---	---	---	7	---	31
32	SALES	ESD.1	7'-0"	9'-0"	---	F	PR	C	B	B	1	7	32
33	SALES	ESD.1	3'-0"	7'-0"	---	G	1	C	B	B	1	7	33
34	PRODUCE TRIM	ESD.4	5'-0"	8'-0"	---	F	PR	B	A	A	---	---	34
35	PRODUCE COOLER	ESD.4	5'-0"	7'-0"	---	F	PR	B	A	A	---	---	35
36	POULTRY/SEAFOOD COOLER	ETR	3'-0"	7'-6"	---	---	---	---	---	---	---	---	36
37	STOCKROOM	ETR	3'-0"	7'-0"	---	---	---	---	---	---	7	---	37
38	STOCKROOM	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	38
39	MEAT PREP	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	39
40	MEAT PREP	ETR	3'-6"	8'-0"	---	---	---	---	---	---	---	---	40
41	MEAT COOLER	ETR	3'-0"	7'-6"	---	---	---	---	---	---	---	---	41
42	STOCKROOM	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	42
43	STOCKROOM	ETR	3'-0"	7'-0"	---	---	---	---	---	---	7	---	43
44	MILK/DAIRY COOLER	ETR	2'-6"	7'-0"	---	---	---	---	---	---	---	---	44
45	SALES	ESD.1	7'-0"	9'-0"	---	F	PR	C	B	B	1	7	45
46	SALES	ETR	7'-6"	7'-0"	---	---	---	---	---	---	---	---	46
47	DIETICIAN CONSULT	WD	3'-0"	7'-0"	---	J	1	B	D	D	---	12A	47
48	PHARMACY	WD	3'-0"	7'-0"	---	C	1	B	D	D	---	14	48
49	PHARMACY	WD	3'-0"	7'-0"	---	C	1	B	D	D	---	15	49
50	PHARMACY SECURITY GRILLE	SG1	F.V.	9'-0"	---	B	SGL	---	---	---	---	---	50
51	STORAGE	WD	3'-0"	7'-0"	---	L	1	B	D	D	---	13A	51
52	EXAM 2	WD	3'-0"	7'-0"	---	B	1	B	D	D	---	11D	52
53	EXAM 1	WD	3'-0"	7'-0"	---	B	1	B	D	D	---	11D	53
54	RESTROOM	WD	3'-0"	7'-0"	---	B	1	B	D	D	2	9A	54
55	CLINIC	WD	3'-0"	7'-0"	---	B	1	B	D	D	---	12A	55
56	EAST VESTIBULE	ETR	12'-0"	12'-0"	---	---	---	---	---	---	---	---	56
57	EAST VESTIBULE	ETR	12'-0"	12'-0"	---	---	---	---	---	---	---	---	57
58	FLORAL PREP	WD	3'-0"	7'-0"	---	R	1	2/A2.3	2/A2.3	2/A2.3	---	---	58
59	SECURITY ROOM	WD	3'-0"	7'-0"	---	B	1	B	D	D	---	12A	59
60	CUSTOMER SERVICE	WD	3'-0"	7'-0"	---	B	1	B	D	D	---	12A	60
61	CASH ACCOUNTABILITY	WD	3'-0"	7'-0"	---	B	1	B	D	D	---	12C	61
62	CUSTOMER SERVICE	HM1	4'-6"	8'-0"	---	B	1	A	H	J	3	6	62
63	WEST VESTIBULE	ETR	11'-6"	12'-0"	---	---	---	---	---	---	---	---	63
64	WEST VESTIBULE	STA4	13'-11"	7'-10"	---	---	---	---	---	---	---	---	64
65	MEN	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	9A	65
66	WOMEN	ETR	3'-0"	7'-0"	---	---	---	---	---	---	---	---	66
67	SALES	ESD.1	3'-0"	3'-0"	---				---	---	---		67
68	RECEIVING	HM1	3'-6"	7'-0"	---	B	1	A					68
69	W&S SECURITY GRILLE	SG1	F.V.	9'-0"		B	SGL						69
91	WINE & SPIRITS			7'-8"									91
93	SALES			7'-0"									93

REMOVE DOOR 4 (2)



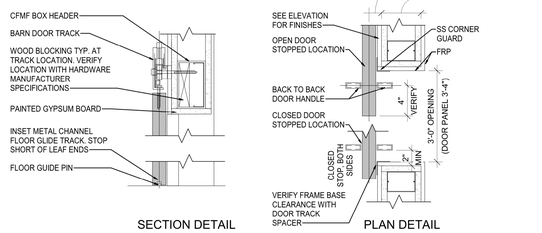
MORTAR BOX DETAIL AT EXTERIOR DOORS

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



DOOR/WINDOW FRAME SECTION-TYPICAL

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



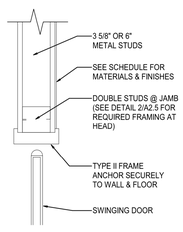
SECTION DETAIL

PLAN DETAIL

BARN DOOR DETAIL

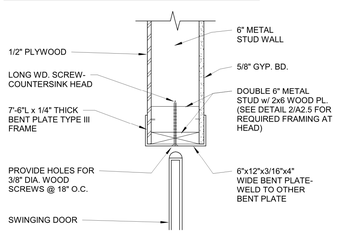
2 SCALE: 1 1/2" = 1'-0"

NOTE: REFERENCE DETAIL C FOR SILL CONDITION AT JAMBS



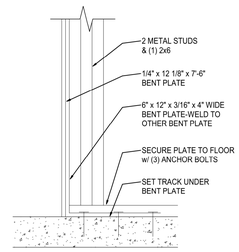
JAMB HEAD SIMILAR

A SCALE: 1" = 1'-0"



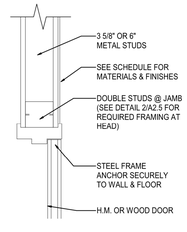
JAMB HEAD SIMILAR

B SCALE: 1" = 1'-0"



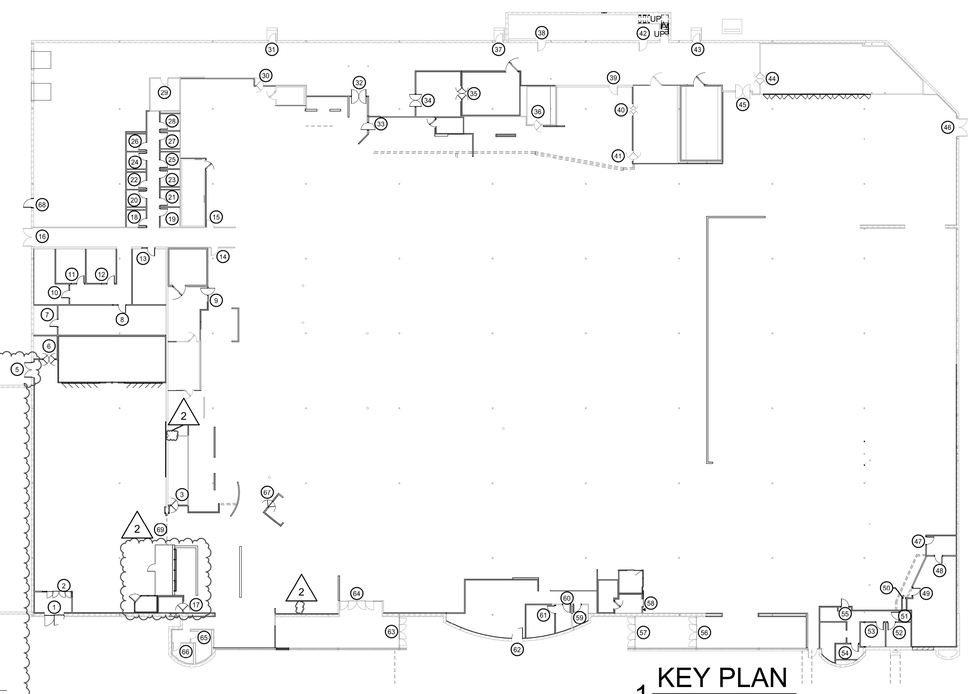
SILL DETAIL

C SCALE: 1" = 1'-0"



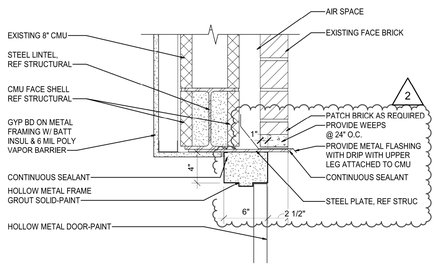
JAMB HEAD SIMILAR

D SCALE: 1" = 1'-0"



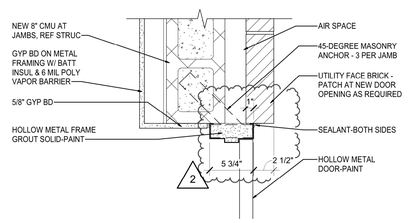
1 KEY PLAN

SCALE: 1 : 300



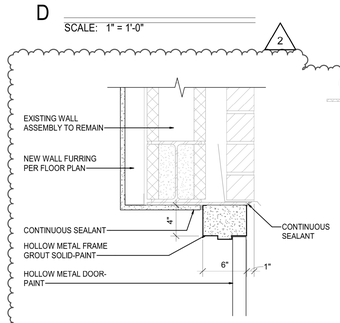
HEAD DETAIL AT NEW OPENING

H SCALE: 1" = 1'-0"



JAMB DETAIL AT NEW OPENING

J SCALE: 1" = 1'-0"



HEAD DETAIL AT NEW OPENING

K SCALE: 1" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect 01/08/21
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee®
EMPLOYEE OWNED

NORTH

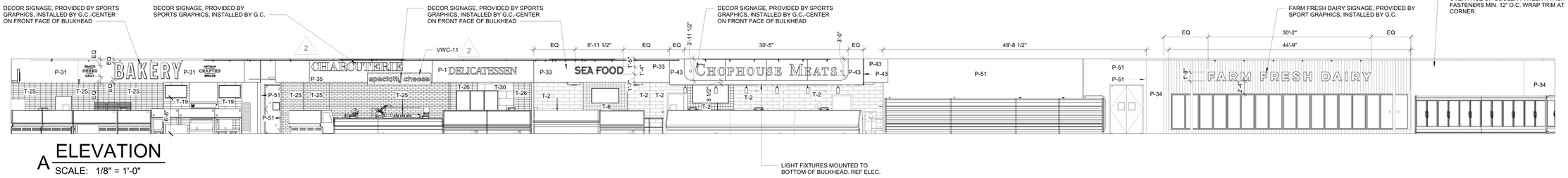
DOOR SCHEDULE & DETAILS

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AO	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

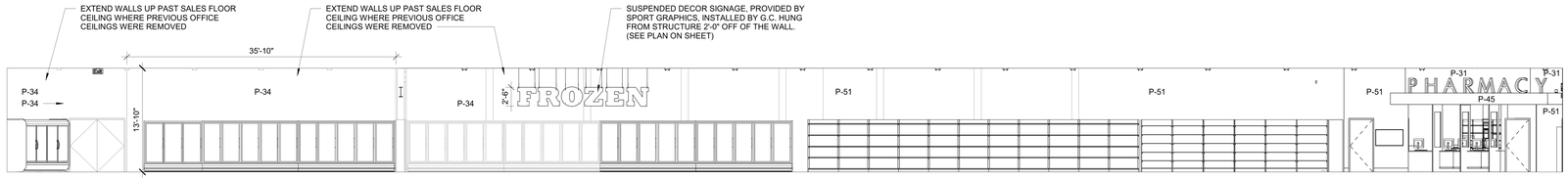
SHEET:

A2.3

1/8/2021 1:23:15 PM



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



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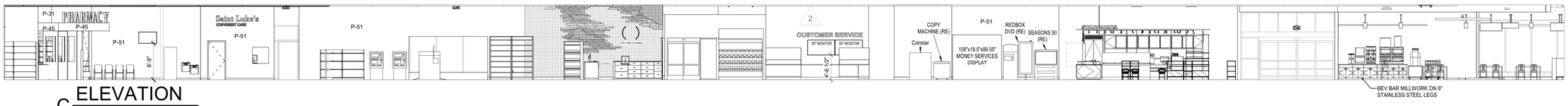
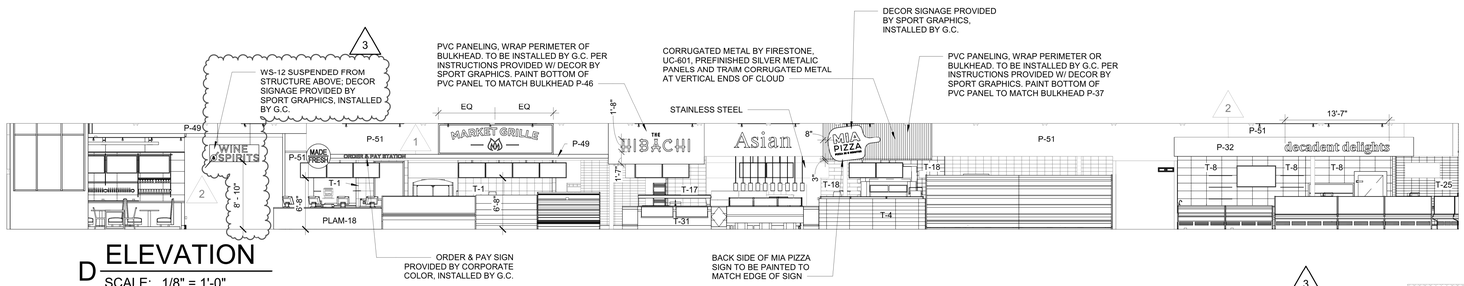


C ELEVATION
SCALE: 1/8" = 1'-0"



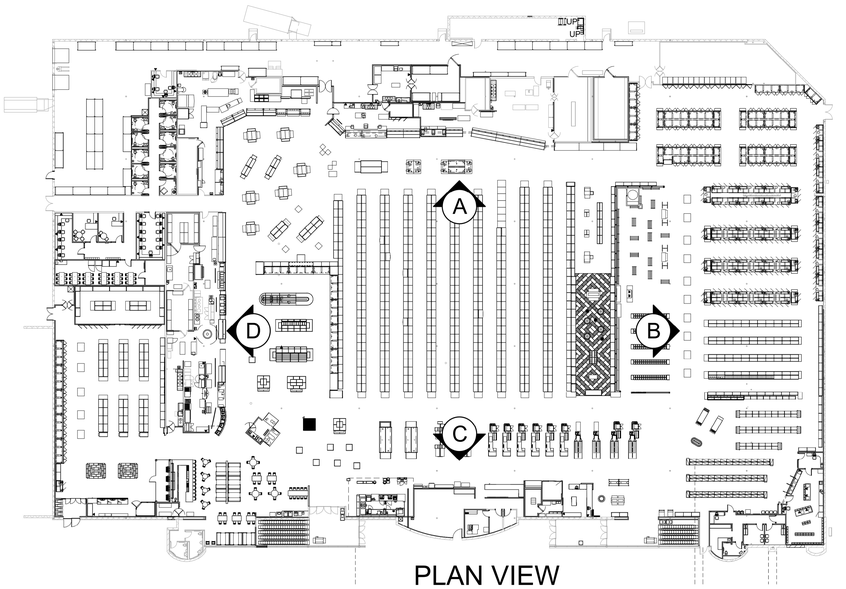
D ELEVATION
SCALE: 1/8" = 1'-0"

TV DISPLAY NOTES:

1. ALL TV DISPLAYS PROVIDED AND INSTALLED BY A+
2. ALL MOUNTING AND ATTACHMENT PROVIDED BY A+
3. CONTRACTOR TO COORDINATE ALL INSTALL LOCATIONS, CONDUIT RUNS, AND ACCESS FOR INSTALLATIONS WITH A+
4. CONTRACTOR TO COORDINATE AND PROVIDE ALL REQUIRED WOOD BLOCKING FOR WALL MOUNTED INSTALLATIONS.

DECOR NOTES:

1. ALL DECOR SIGNAGE IS PROVIDED & INSTALLED BY CONTRACTOR.
2. ALL CURTAIN WALL PAINTING BY CONTRACTOR.
3. INSTALLATION DETAILS WILL BE PROVIDED BY THE DECOR SUPPLIER. VERIFY WITH CONSTRUCTION DOCUMENTS.
4. SALES FLOOR COLUMNS TO BE PAINTED P-2. ALL COLUMNS EXPOSED IN SALES AREA TO BE WRAPPED WITH STAINLESS STEEL TO +4'0" A.F.F.
5. USE B1 (VINYL BASE) THROUGHOUT STORE UNLESS NOTED OTHERWISE.
6. FOR FINISH SCHEDULE SEE SHEET A2.2



PLAN VIEW
SCALE: N.T.S.

REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21
3	ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Boise
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
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TELEPHONE: (515) 267-2800
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NORTH

INTERIOR DECOR PLAN

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AO	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:

A2.4

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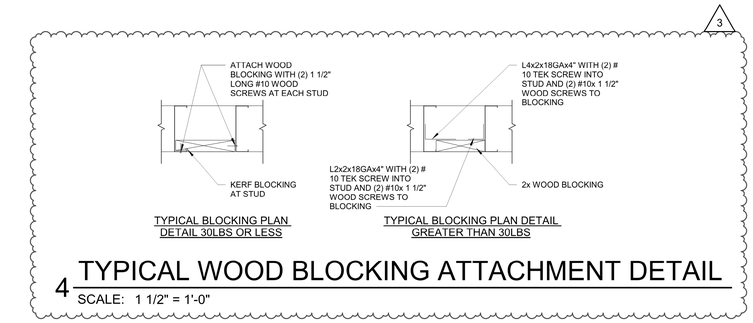
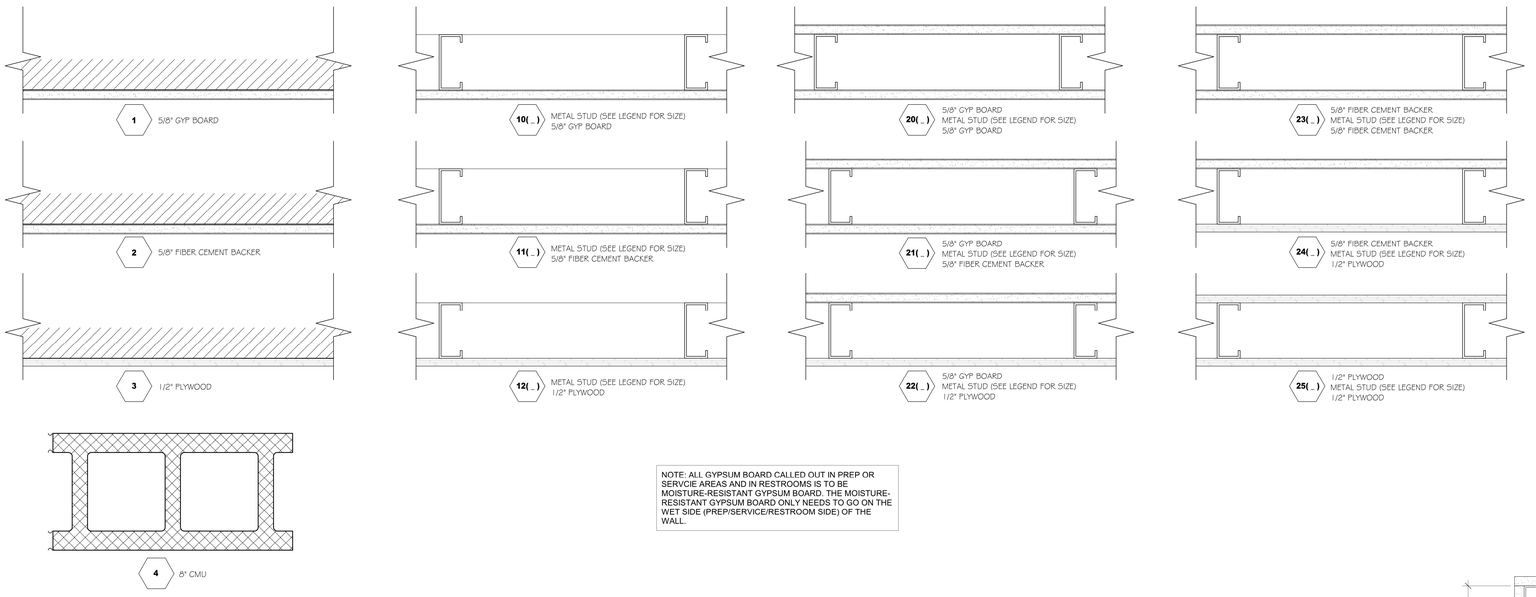


4 TYPICAL WOOD BLOCKING ATTACHMENT DETAIL

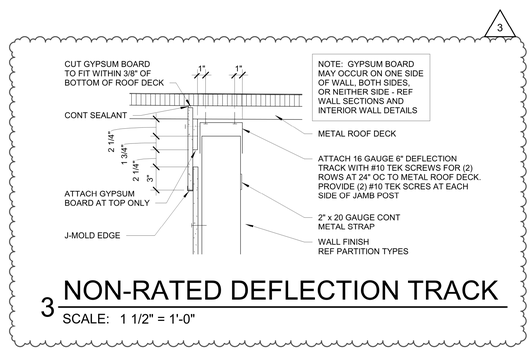
SCALE: 1 1/2" = 1'-0"



METAL STUD SIZE LEGEND

- **A -** 7/8"
- **B -** 1 5/8"
- **C -** 2 1/2"
- **D -** 3 5/8"
- **E -** 4"
- **F -** 6"
- **G -** 8"
- **H -** 10"

NOTE: ALL GYPSUM BOARD CALLED OUT IN PREP OR SERVCIE AREAS AND IN RESTROOMS IS TO BE MOISTURE-RESISTANT GYPSUM BOARD. THE MOISTURE-RESISTANT GYPSUM BOARD ONLY NEEDS TO GO ON THE WET SIDE (PREP/SERVICE/RESTROOM SIDE) OF THE WALL.

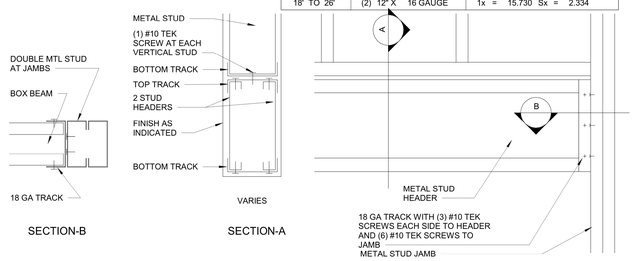


3 NON-RATED DEFLECTION TRACK

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

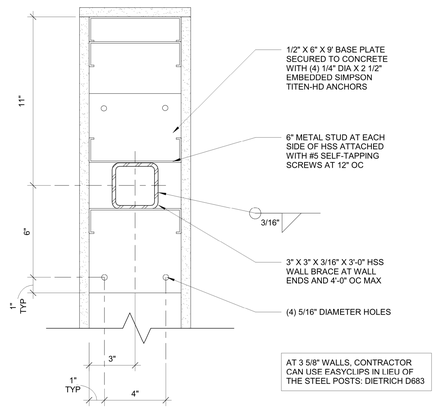
INTERIOR NON-LOAD BEARING PARTITION HEADER SCHEDULE

HEADER LENGTH	HEADER MEMBERS	MINIMUM EFFECTIVE PROPERTIES PER STUD
2' TO 6'	(2) 6" X 18 GAUGE	1x = 2.042 Sx = 0.670
6' TO 8'	(2) 6" X 16 GAUGE	1x = 2.518 Sx = 0.839
8' TO 10'	(2) 6" X 14 GAUGE	1x = 3.094 Sx = 1.031
10' TO 12'	(2) 8" X 18 GAUGE	1x = 4.134 Sx = 1.033
12' TO 14'	(2) 8" X 16 GAUGE	1x = 5.110 Sx = 1.277
14' TO 16'	(2) 8" X 14 GAUGE	1x = 6.303 Sx = 1.576
16' TO 18'	(2) 10" X 14 GAUGE	1x = 12.325 Sx = 2.456
18' TO 26'	(2) 12" X 16 GAUGE	1x = 15.730 Sx = 2.334



2 HEADER CONNECTION DETAIL

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



1 PLAN AT KNEE WALL

SCALE: 3" = 1'-0"

REVISION	DATE BY
3 ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Austin
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

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HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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NORTH

INTERIOR WALL DETAILS

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As indicated	62930547

SHEET:

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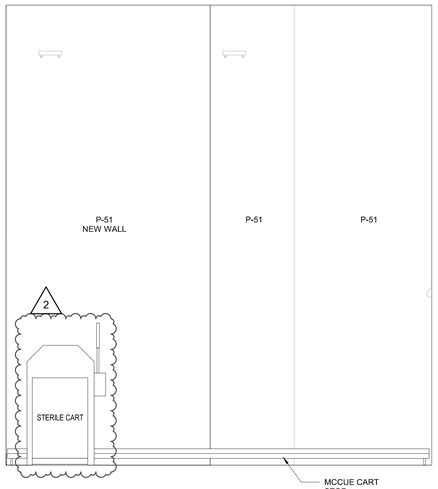
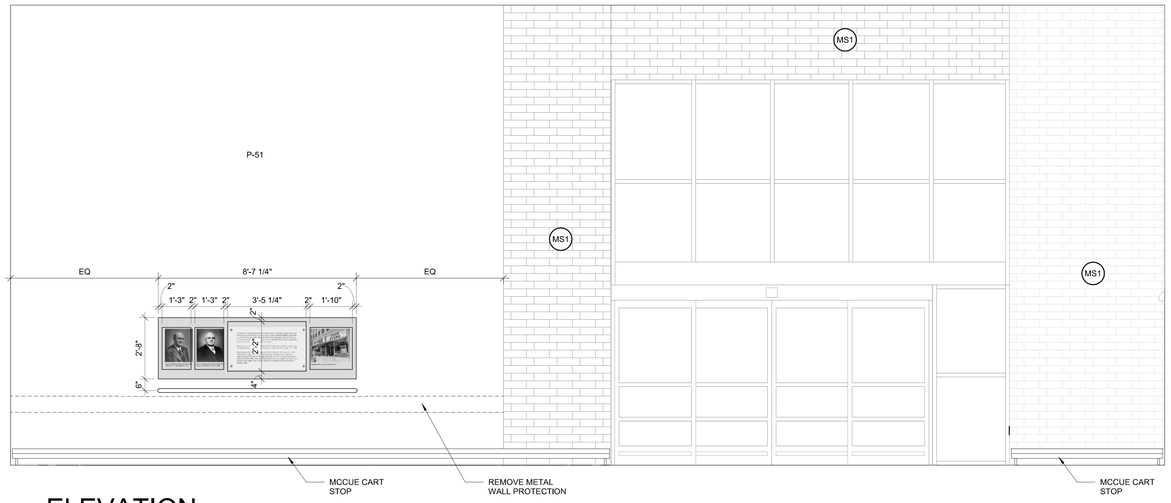


3 ELEVATION
SCALE: 3/8" = 1'-0"



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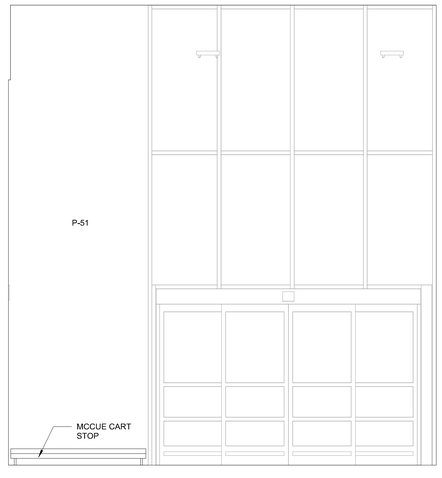

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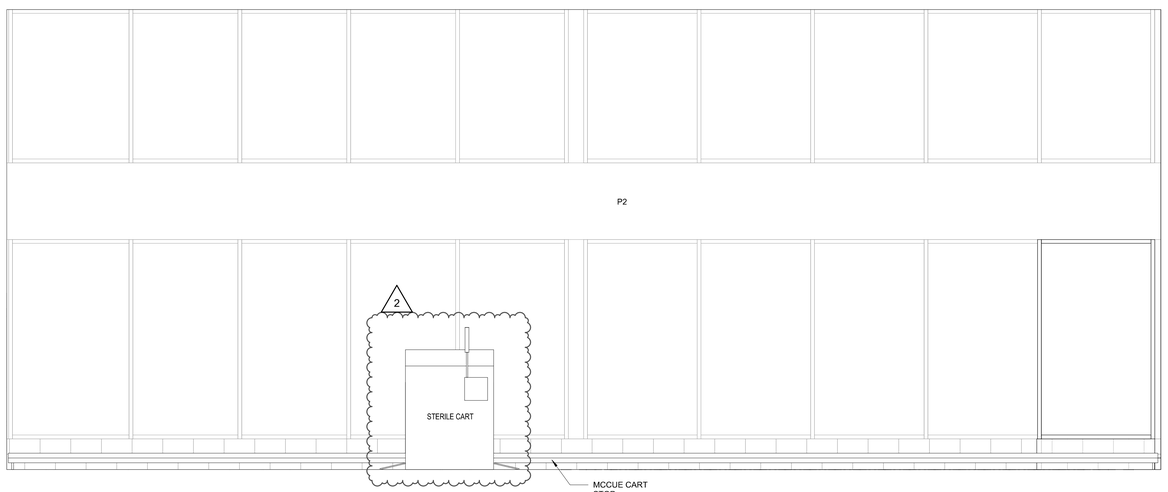

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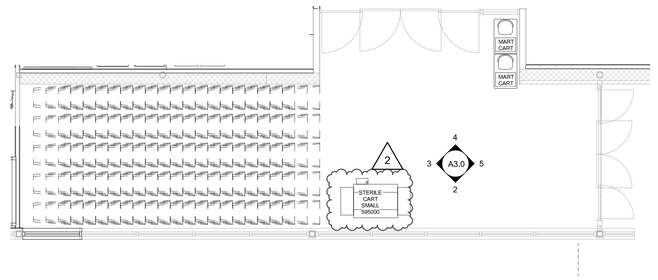

1 ENLARGED PLAN-
FRONT END
SCALE: 3/16" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

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Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
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Austin
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8131 Metcalf Avenue
Suite 300
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Tel: 913-262-9095
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WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
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FRONT ENTRANCE
PLANS & DETAILS

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SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:

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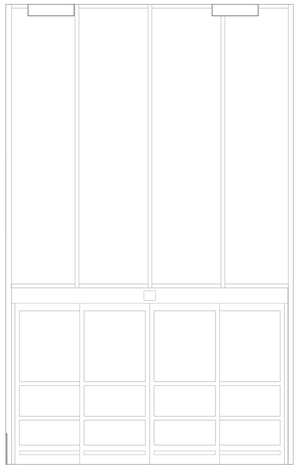

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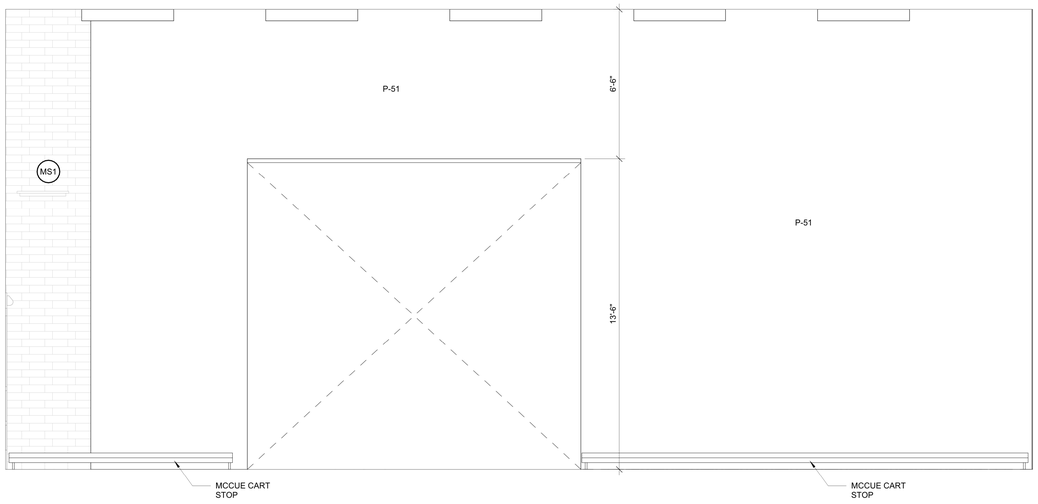
SCALE: 3/8" = 1'-0"



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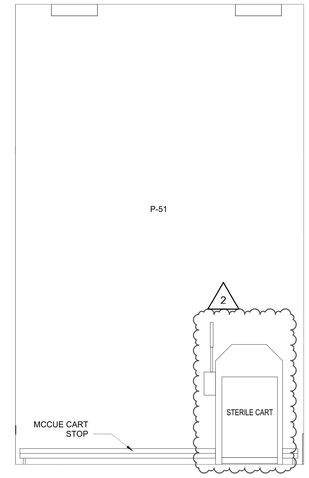
SCALE: 3/8" = 1'-0"



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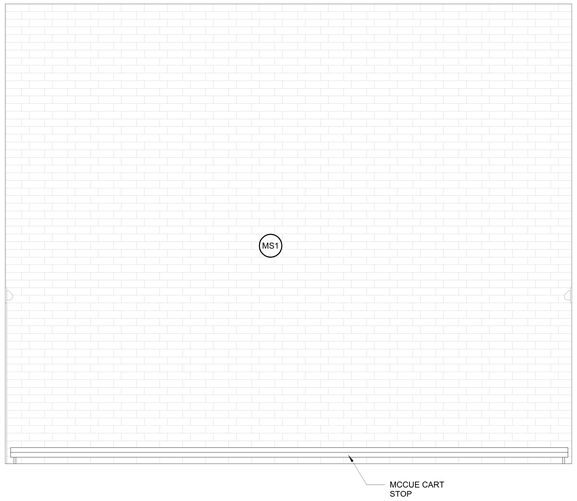

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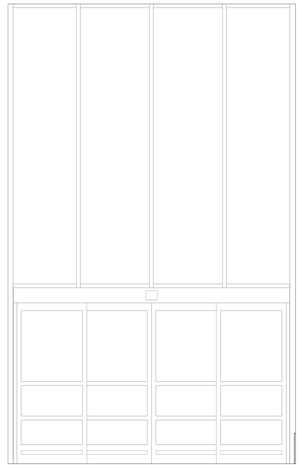

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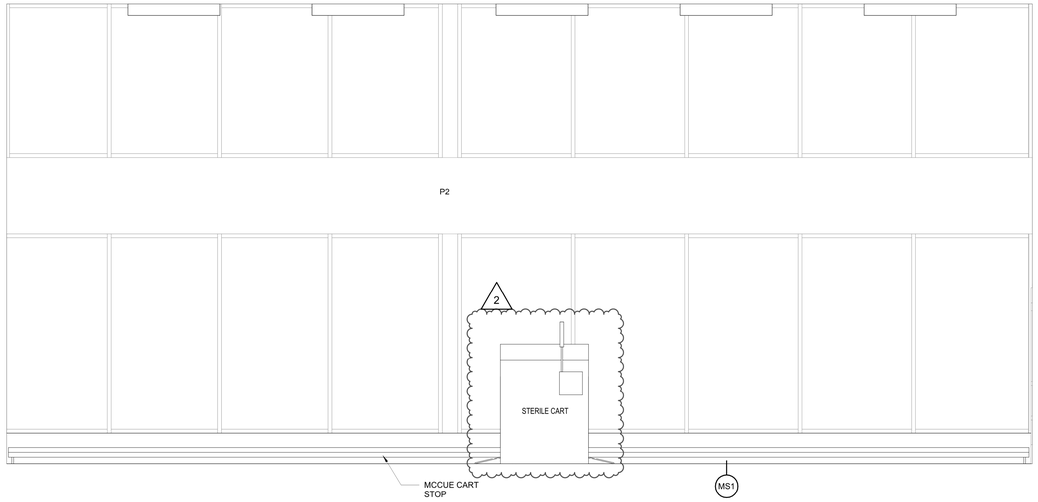

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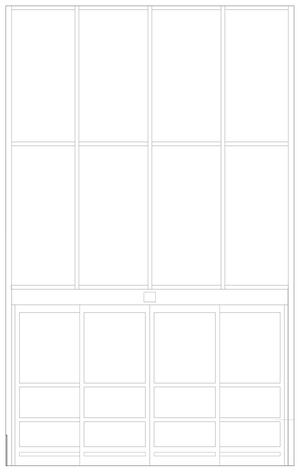

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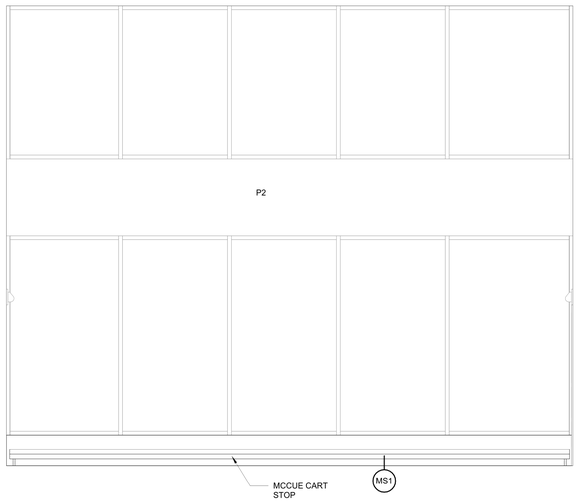

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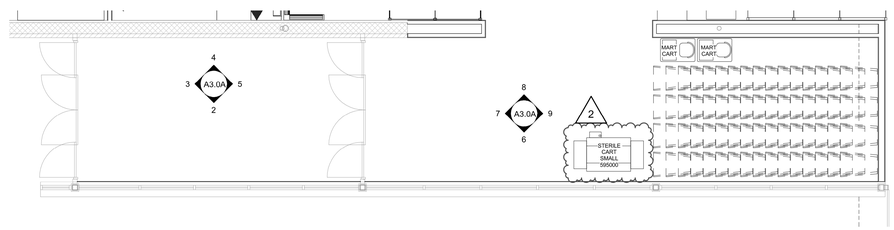

1 ENLARGED PLAN- FRONT END
SCALE: 3/16" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

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FRONT ENTRANCE ELEVATIONS

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As indicated	62930547

SHEET:
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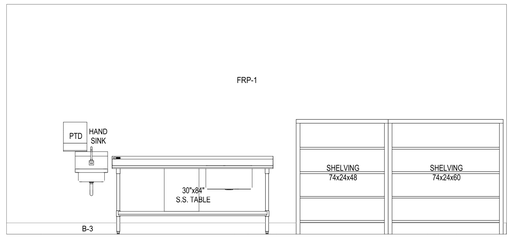

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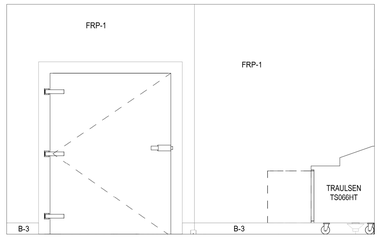

12 ELEVATION
SCALE: 3/8" = 1'-0"

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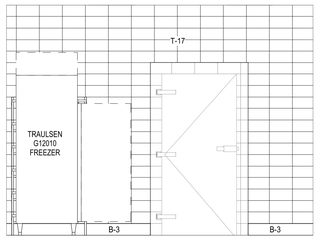

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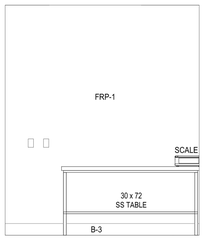

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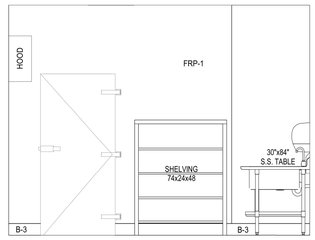

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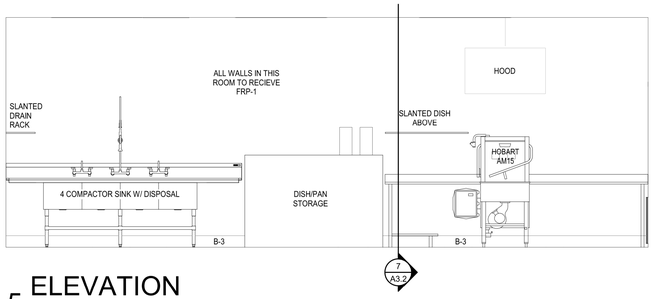

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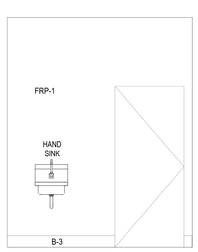
SCALE: 3/8" = 1'-0"



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

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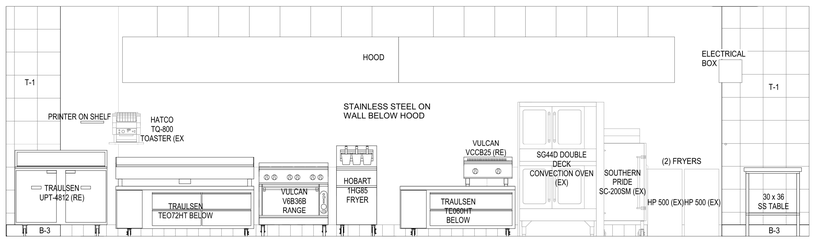
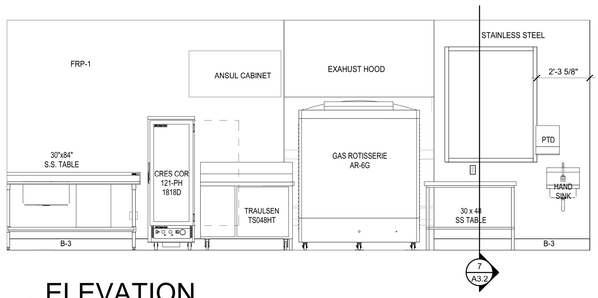
SCALE: 3/8" = 1'-0"



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



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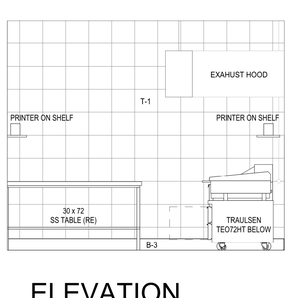

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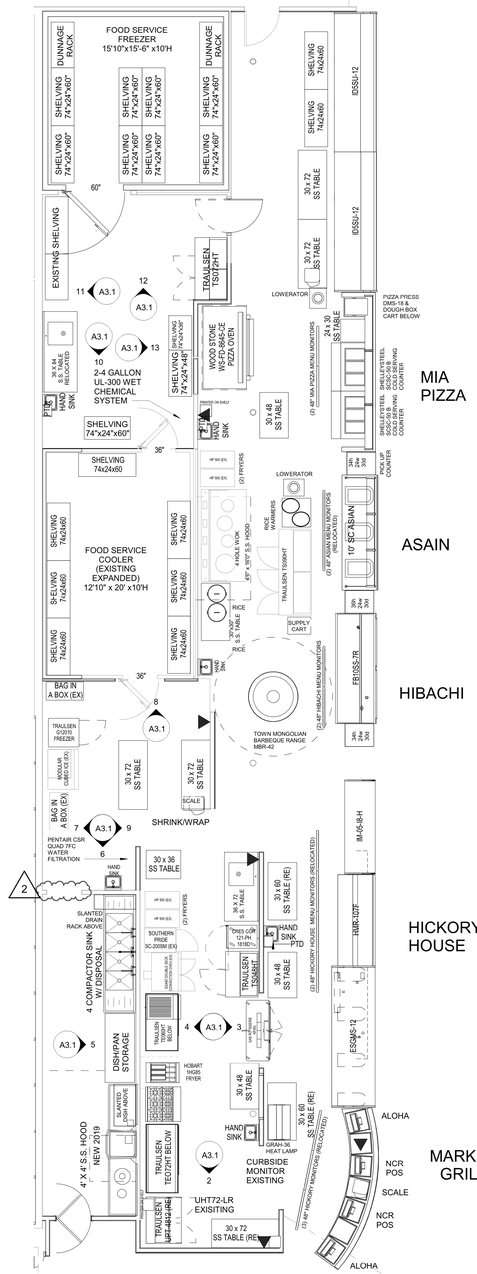


1 PARTIAL FLOOR PLAN - FOOD SERVICE
SCALE: 3/16" = 1'-0"

GENERAL NOTES

FOR FINISH SCHEDULE SEE SHEET A2.2.

BASE & FLOOR TILE - GRANULAR QUARTZ EPOXY - SEE FLOOR FINISH PLAN FOR COLOR DESIGNATION - BASE REFERENCE DETAIL 19/A3.1

ALL MILLWORK IN FOOD SERVICE AREAS TO HAVE ALL SURFACES FINISHED- NO EXPOSED EDGES OR UNDER SIDES

2 ALL ELEVATION WITH EXISTING QUARRY TILE TO HAVE GROUT ADDED AS NEEDED TO FLUSH OUT TILE AND THEN BE OVERLAID WITH NEW EPOXY FLOOR, TYP.

REVISION		DATE BY
2	ASI #2	01/08/21

brr

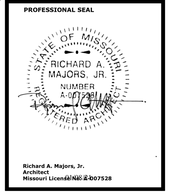
Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL



Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEVATIONS - FOOD SERVICE

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:
A3.1

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GENERAL NOTES

GENERAL NOTES:

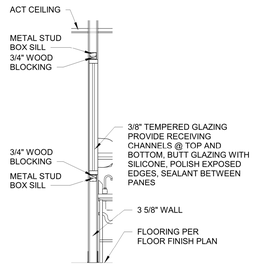
FOR FINISH SCHEDULE SEE SHEET A2.2.

FOR 12x12 TILED WALLS:
DO NOT CUT VERTICAL TILE EXCEPT AT THE FIRST COURSE. THE INTENT IS FOR THE WALL HEIGHT TO ACCOMODATE FULL TILES ABOVE THE BASE.

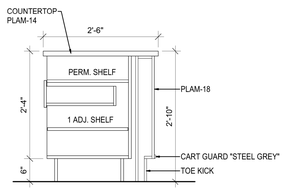
BASE & FLOOR TILE - GRANULAR QUARTZ EPOXY - SEE FLOOR FINISH PLAN FOR COLOR DESIGNATION - BASE REFERENCE DETAIL 19/A3.1

***NOTE: SCHLUTER-RONDEC SATIN ANODIZED ALUMINUM RO 80A STRIP ON ALL OUTSIDE CORNERS WITH CERAMIC TILE.

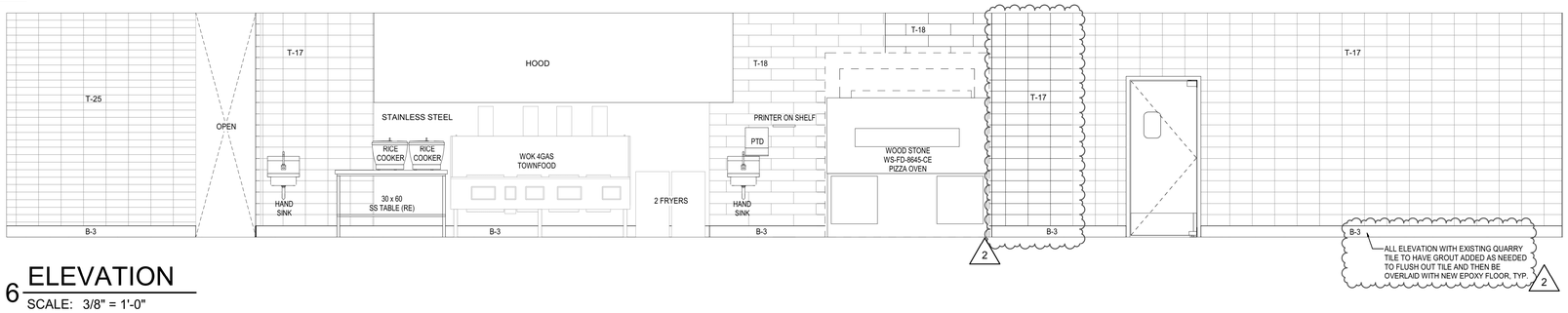
ALL MILLWORK IN FOOD SERVICE AREAS TO HAVE ALL SURFACES FINISHED- NO EXPOSED EDGES OR UNDER SIDES



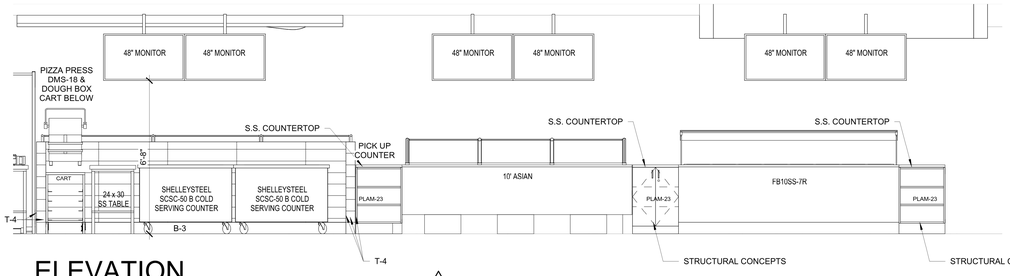
7 SECTION @ FOOD SERVICE WINDOW
SCALE: 3/8" = 1'-0"



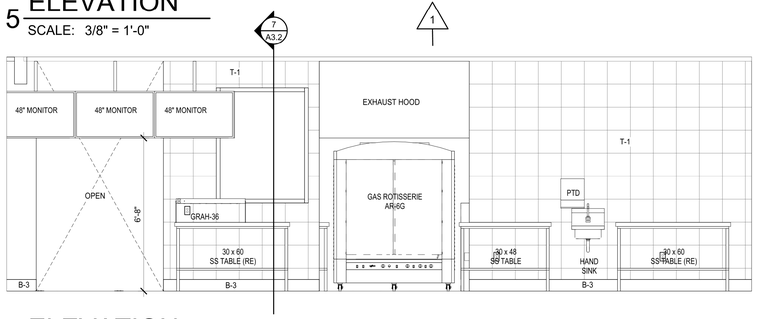
8 SECTION @ PAY STATION
SCALE: 3/4" = 1'-0"



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



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



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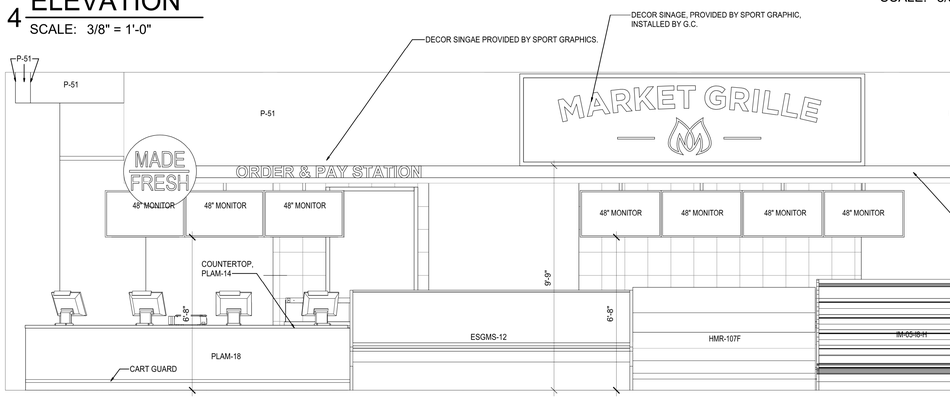
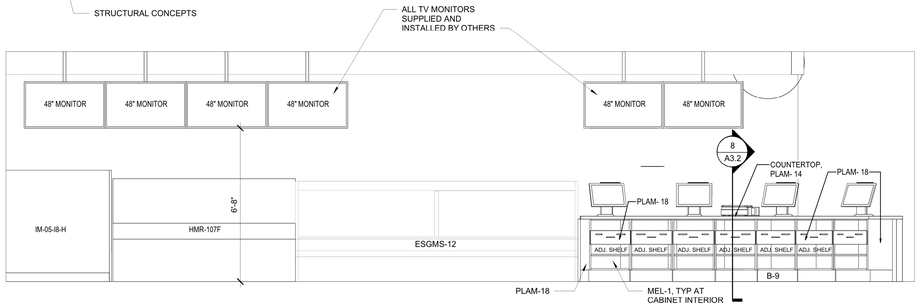
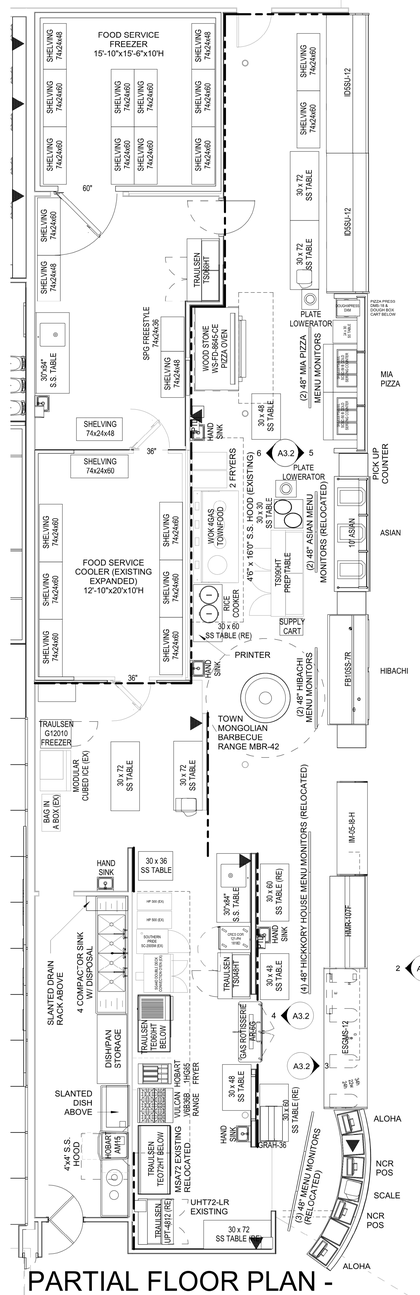


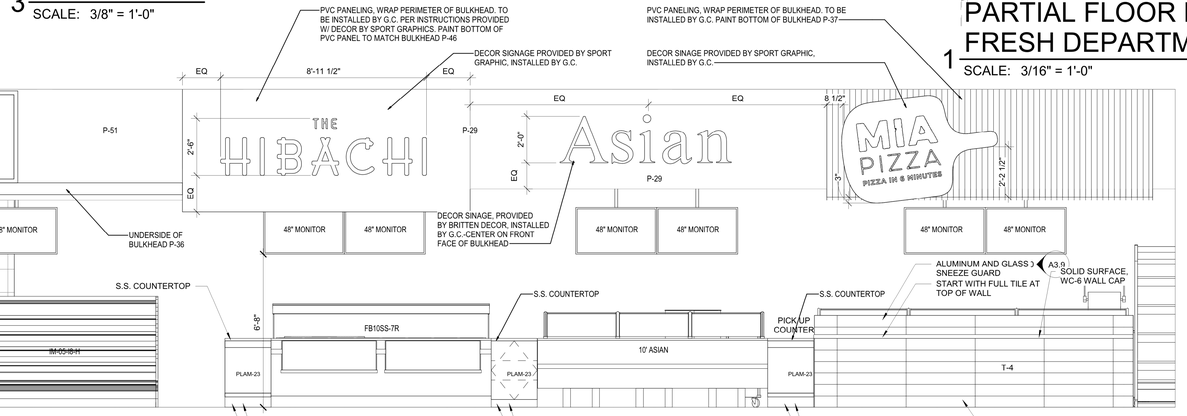
3 ELEVATION
SCALE: 3/8" = 1'-0"





PARTIAL FLOOR PLAN - FRESH DEPARTMENT
1 SCALE: 3/16" = 1'-0"

DENOTES WALLS THAT ARE TO RECEIVE CERAMIC WALL TILE



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

REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

1/8/21

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEV - HICKORY HOUSE, ASIAN, HIBACHI, ITALIAN

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE	JOB NUMBER
As indicated	62930547
SHEET:	
A3.2	

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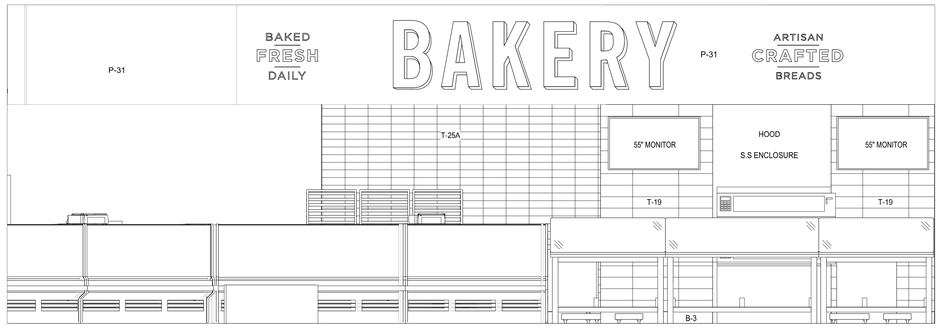
GENERAL NOTES

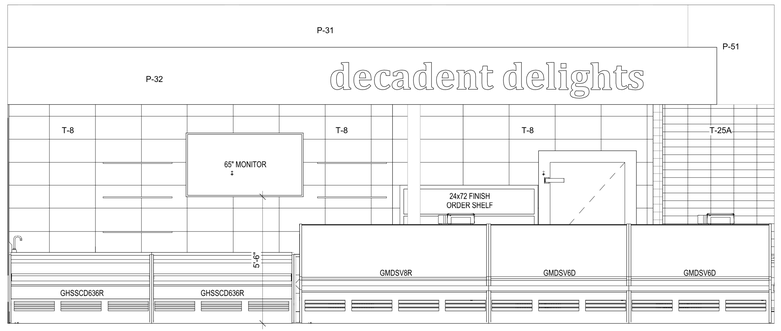
FOR FINISH SCHEDULE SEE SHEET A2.2.
MILLWORK CABINETS FURNISHED BY HY-VEE

***NOTE: INSTALL SCHLUTER-RONDEC SATIN ANODIZED ALUMINUM RO 80A STRIP ON ALL OUTSIDE CORNERS WITH CERAMIC TILE

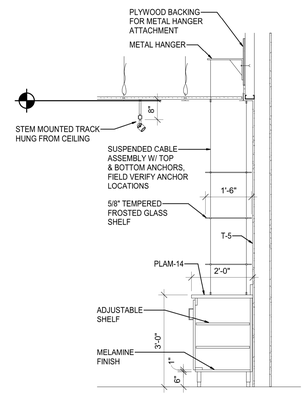
ALL MILLWORK IN FOOD SERVICE AREAS TO HAVE ALL SURFACES FINISHED- NO EXPOSED EDGES OR UNDER SIDES



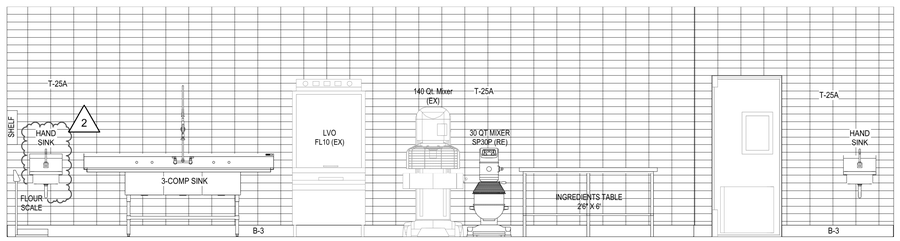
9 ELEVATION
SCALE: 3/8" = 1'-0"



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



11 SECTION THRU CAKE WALL
SCALE: 1/2" = 1'-0"



6 ELEVATION
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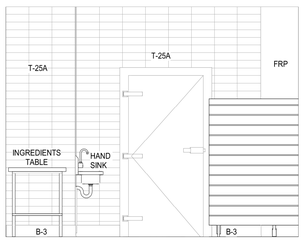
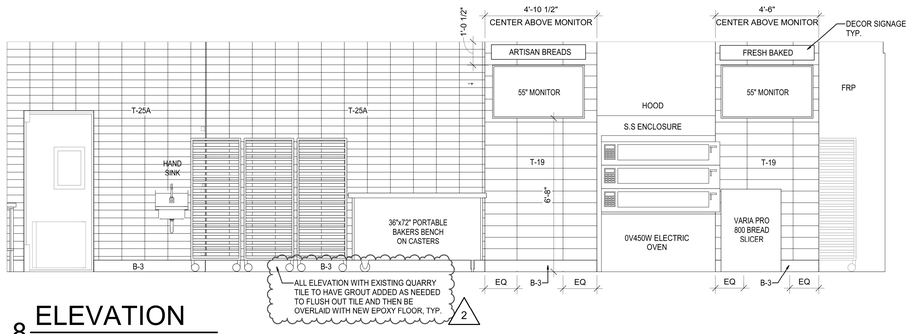


7 ELEVATION
SCALE: 3/8" = 1'-0"



8 ELEVATION
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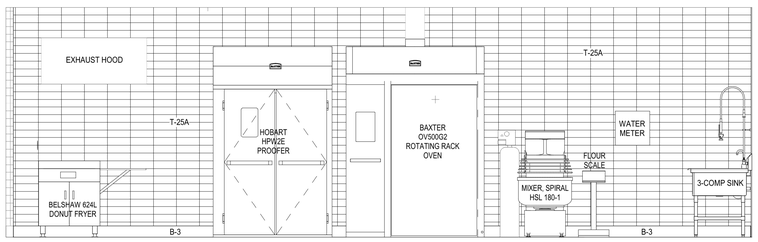

5 ELEVATION
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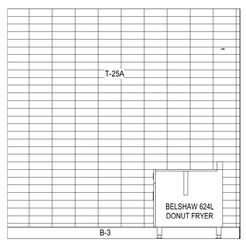

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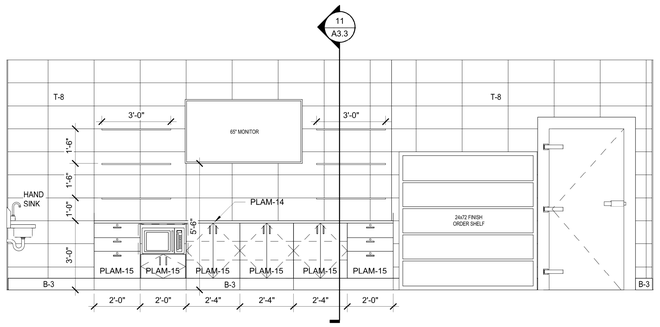
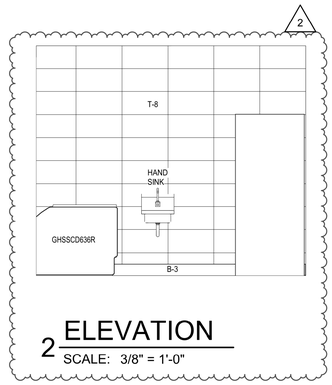
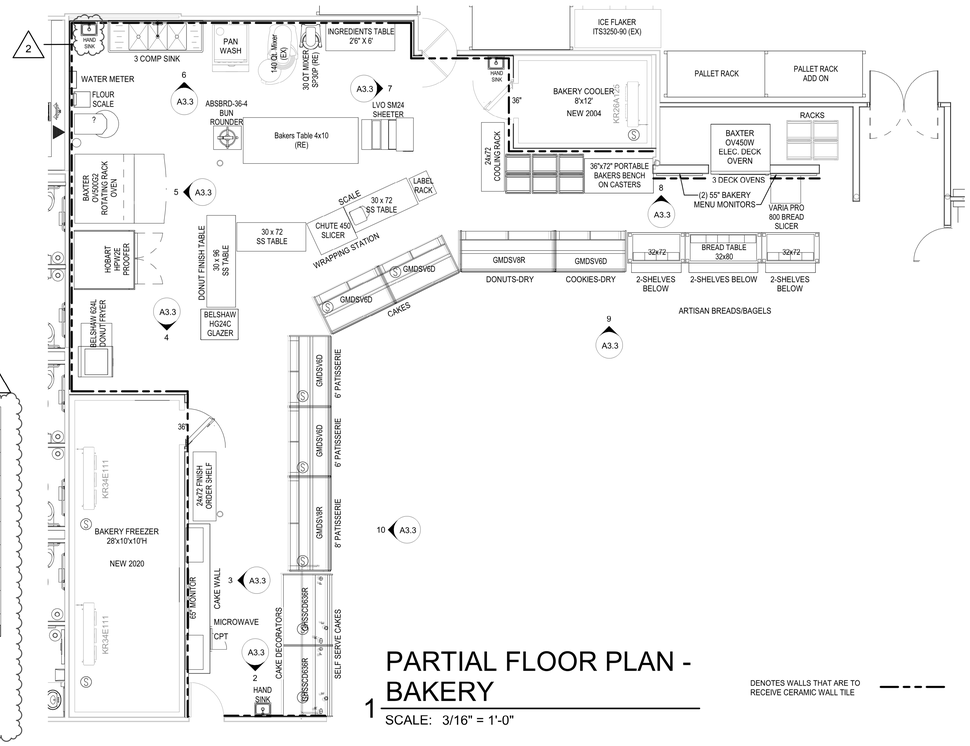


3 ELEVATION
SCALE: 3/8" = 1'-0"



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



1 PARTIAL FLOOR PLAN - BAKERY
SCALE: 3/16" = 1'-0"

DENOTES WALLS THAT ARE TO RECEIVE CERAMIC WALL TILE

REVISION		DATE BY
2	ASI #2	01/08/21

brr

Architect of Record:
BRR Architecture, Inc
Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Reno
Los Angeles
Chicago
8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204
Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL
STATE OF MISSOURI
RICHARD A MAJORS, JR
NUMBER A-007528
REGISTERED ARCHITECT
Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2929

Hy-Vee® EMPLOYEE OWNED

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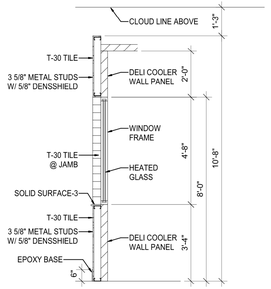
ENLARGED PLAN & ELEVATIONS - BAKERY

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
Author	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

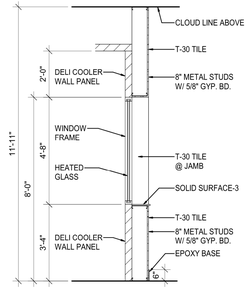
SHEET:
A3.3

1/8/2021 12:59:19 PM



8 SECTION @ DELI COOLER WINDOW

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

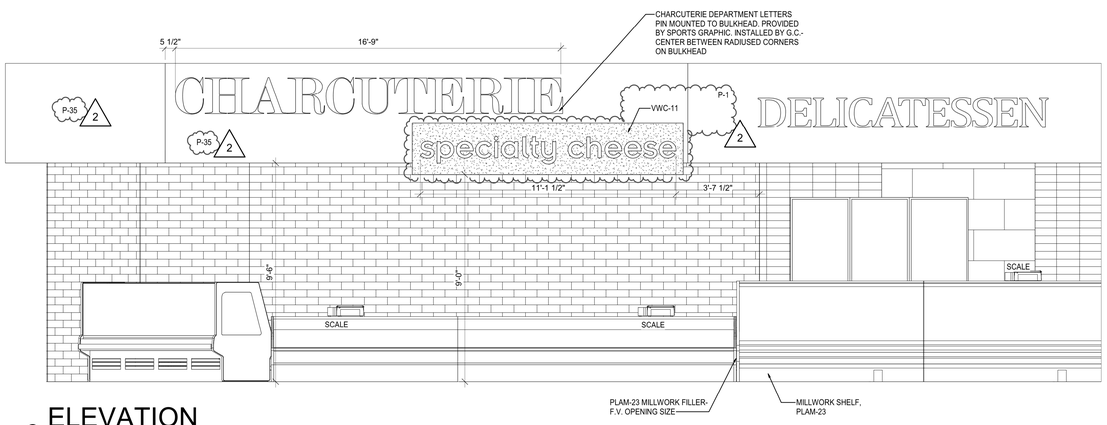


9 SECTION @ DELI COOLER WINDOW

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

GENERAL NOTES

FOR FINISH SCHEDULE SEE SHEET A2.2.



6 ELEVATION

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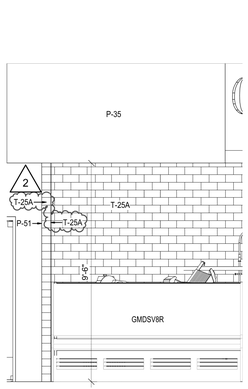
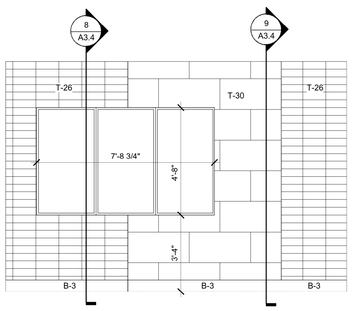


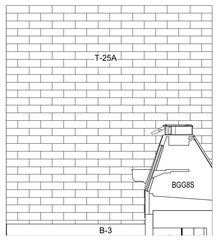
7 ELEVATION

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



4 ELEVATION

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



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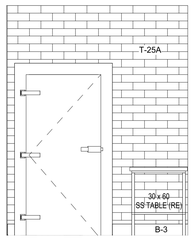
SCALE: 3/8" = 1'-0"



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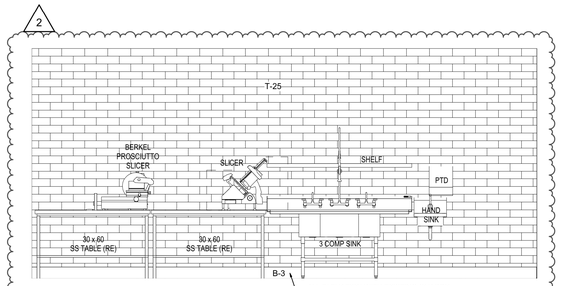

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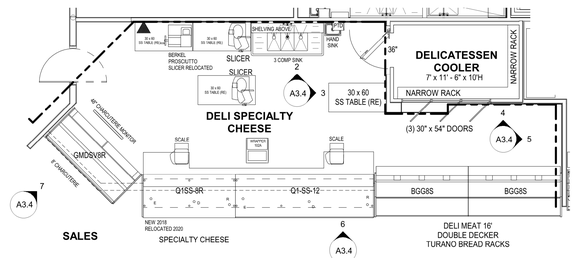


1 PARTIAL FLOOR PLAN - DELICATESSAN

SCALE: 3/16" = 1'-0"

DENOTES WALLS THAT ARE TO RECEIVE CERAMIC WALL TILE

REVISION		DATE BY
2	ASI #2	01/08/21

brr

Architect of Record: Rich A. Majors
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Reno
Los Angeles
Chicago

8131 Metcalf Ave
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A MAJORS JR
NUMBER A-0012011
REGISTERED ARCHITECT

01/08/21

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEVATIONS - DELICATESSAN

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:

A3.4

1/8/2021 12:59:28 PM

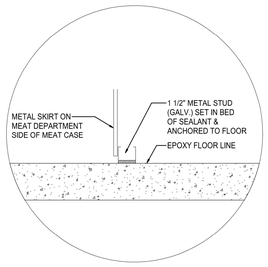
GENERAL NOTES

SEE SHEET A2.2 FOR FINISH SCHEDULES

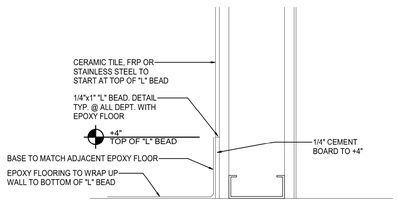
PROVIDE SCHLUTER RANDEL SATIN ANODIZED ALUMINUM RO-80A TRIM ON ALL OUTSIDE TILE CORNERS

BASE AND FLOOR TILE

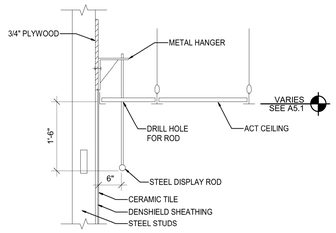
EXISTING QUARRY TILE TO REMAIN. PATCH AND REPAIR AS NECESSARY.



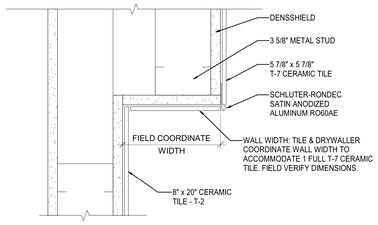
13 SERVICE MEAT CASE BASE DETAIL
SCALE: 3/8" = 1'-0"



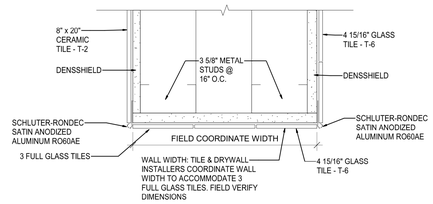
12 SEAFOOD EPOXY BASE DETAIL
SCALE: 3" = 1'-0" ACCENT WALL ONLY



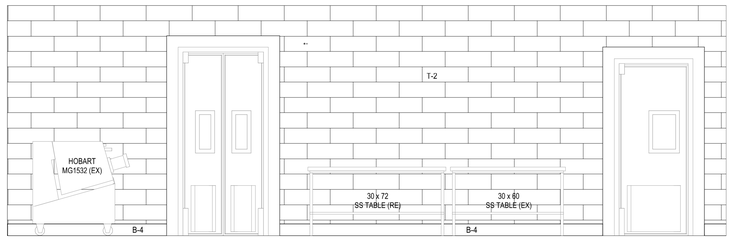
11 HANGING ROD DETAIL
SCALE: 3/4" = 1'-0"



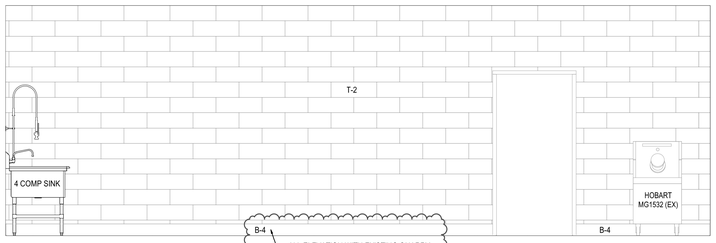
10 MEAT CERAMIC/GYP. BD. CORNER DETAIL
SCALE: 3" = 1'-0"



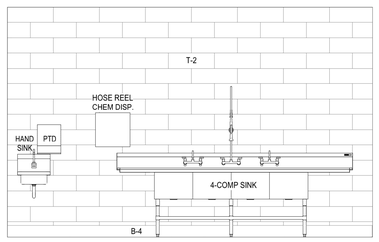
9 SEAFOOD GLASS/CERAMIC/ GYP. BD. END WALL DETAIL
SCALE: 3" = 1'-0"



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



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



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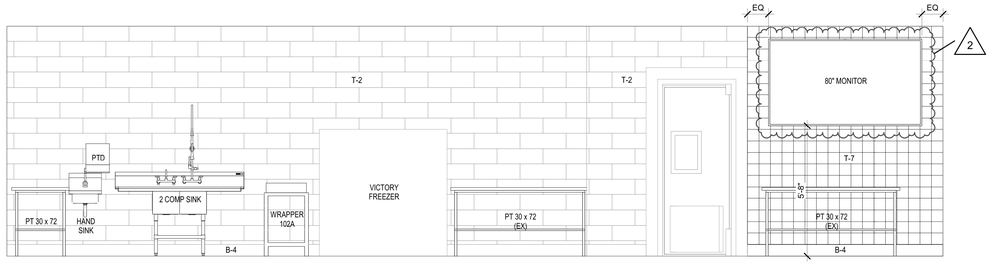

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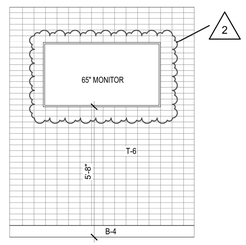
SCALE: 3/8" = 1'-0"



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

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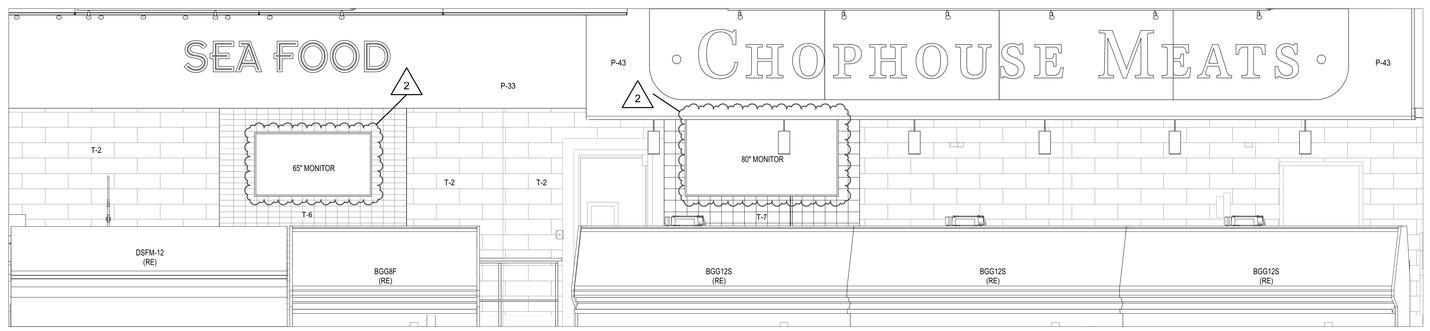
SCALE: 3/8" = 1'-0"



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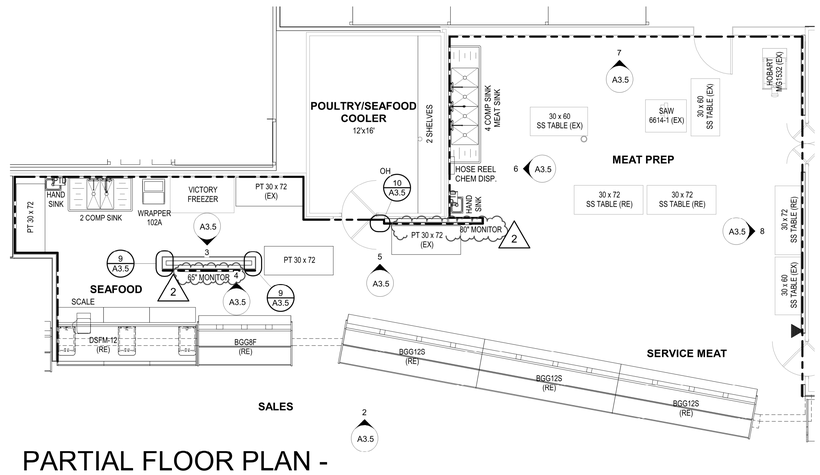

1 PARTIAL FLOOR PLAN - MEAT/SEAFOOD
SCALE: 3/16" = 1'-0"

DENOTES WALLS THAT ARE TO RECEIVE CERAMIC WALL TILE

REVISION		DATE BY
2	ASI #2	01/08/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEVATIONS - MEAT/SEAFOOD

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:

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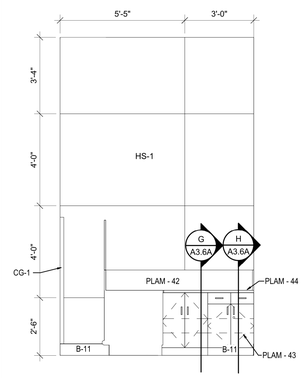

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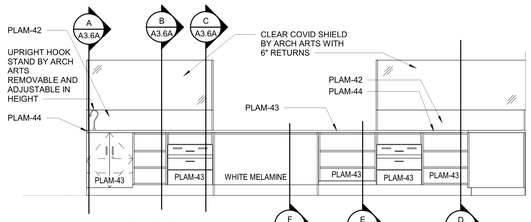
SCALE: 3/8" = 1'-0"



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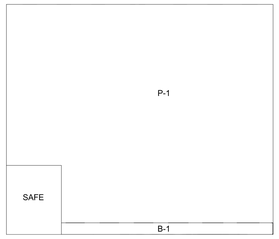

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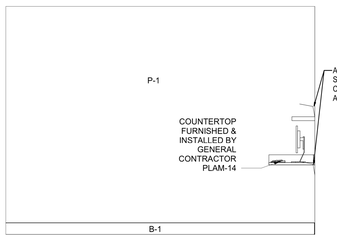

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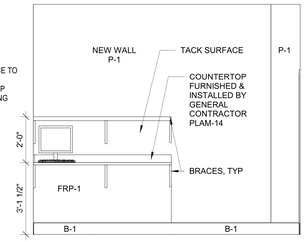

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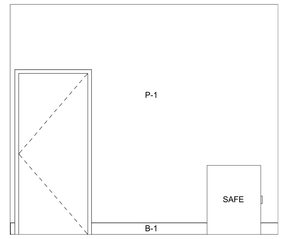

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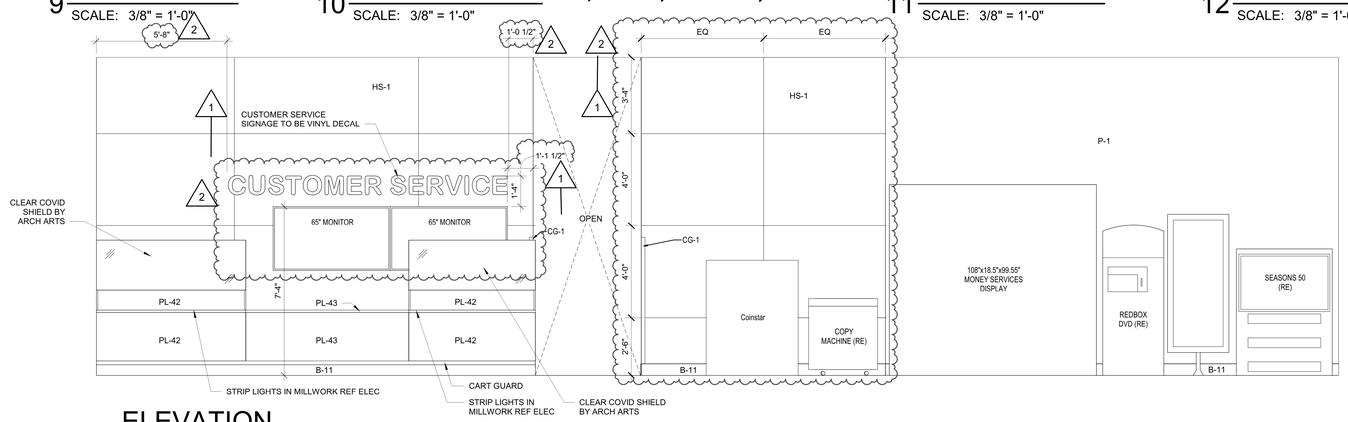

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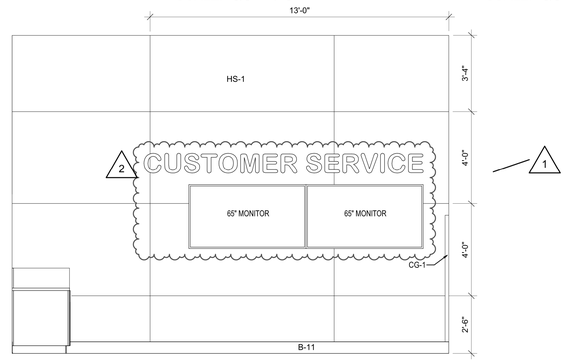

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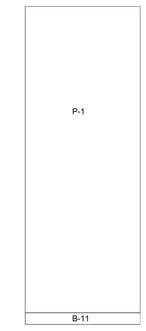

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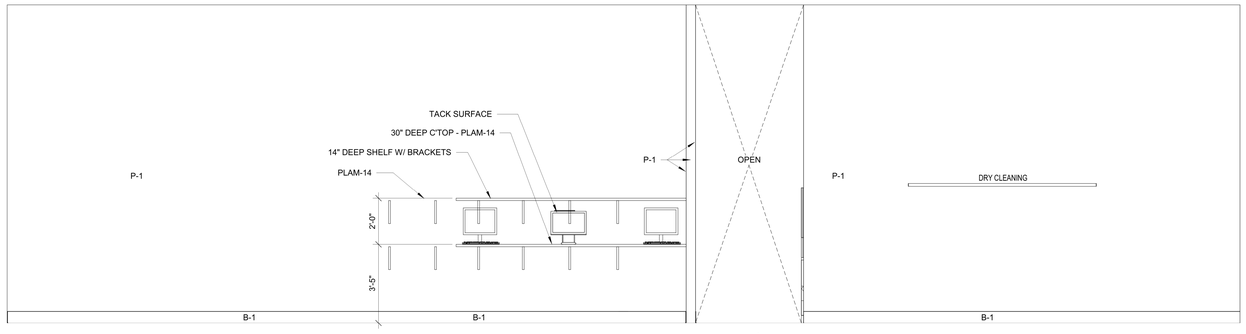

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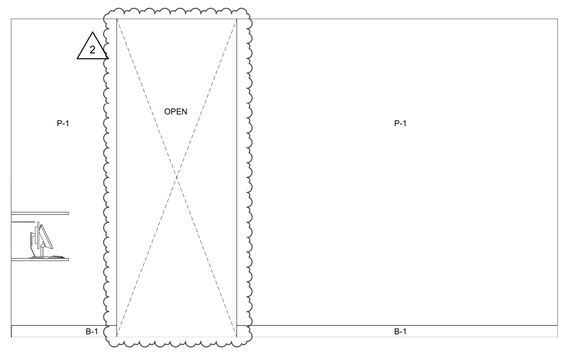
SCALE: 3/8" = 1'-0"



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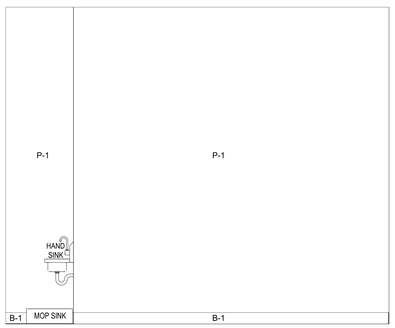

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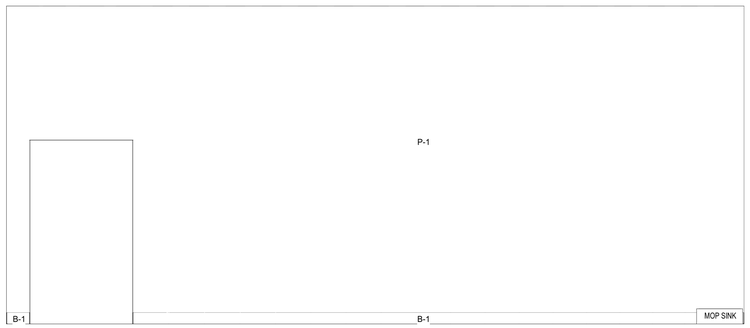

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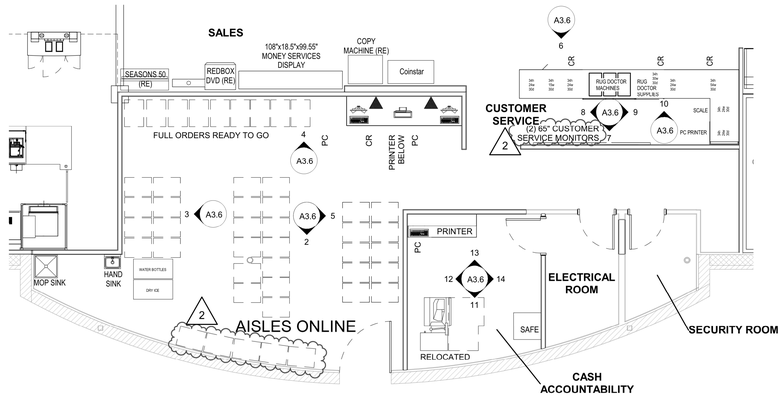

PARTIAL FLOOR PLAN - CUSTOMER SERVICE
1
SCALE: 3/16" = 1'-0"

REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21

GENERAL NOTES

SEE SHEET A2.2 FOR FINISH SCHEDULES

MILLWORK CABINETS PROVIDED BY HY-VEE

ALL OFFICE AREAS, PAINT UNDERCOUNTER BRACKETS TO MATCH WALL FINISH

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr. 01/08/21
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEVATIONS - CUSTOMER SERVICE & MONEY SERVICE

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:
A3.6

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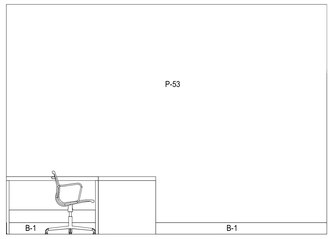

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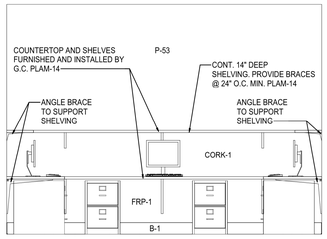
SCALE: 3/8" = 1'-0"



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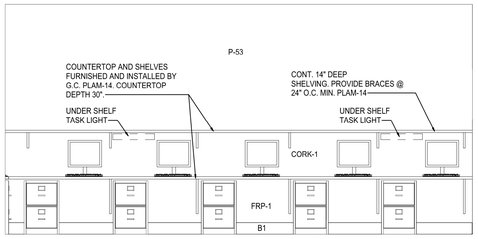

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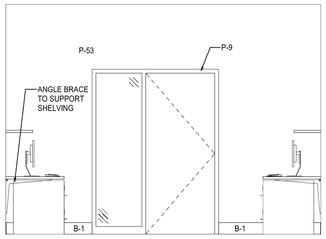

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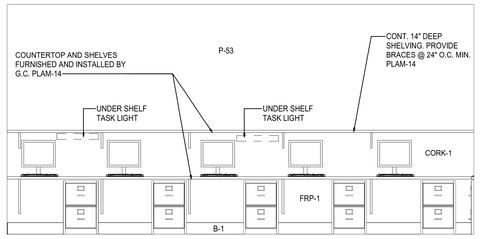


21 ELEVATION
SCALE: 3/8" = 1'-0"

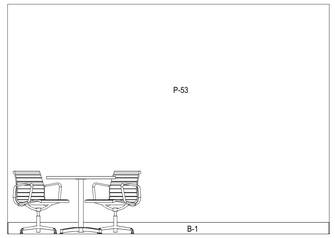
GENERAL NOTES

SEE SHEET A2.2 FOR FINISH SCHEDULES

FOR OFFICES AND STORAGE ROOMS NOT ELEVATED, PAINT WALLS P-16, BASE B1 AND HOLLOW METAL FRAMES P-9

FOR HALLWAYS NOT ELEVATED, PAINT WALLS P-12, BASE B1 AND HOLLOW METAL FRAMES P-9

AT ALL OFFICE AREAS, PAINT UNDERCOUNTER BRACKETS TO MATCH WALL FINISH



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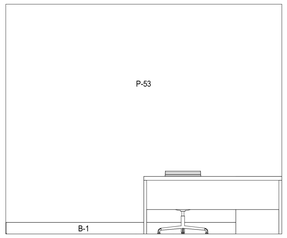

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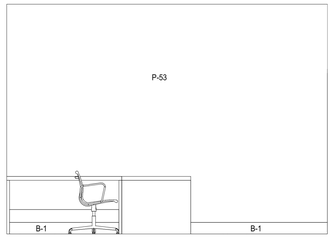
SCALE: 3/8" = 1'-0"



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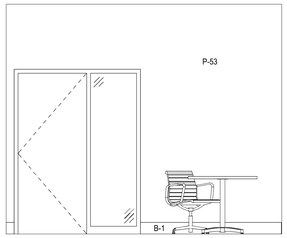
SCALE: 3/8" = 1'-0"



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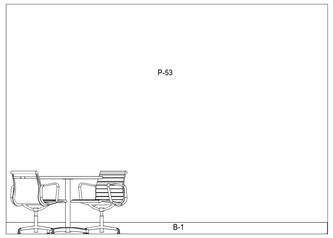

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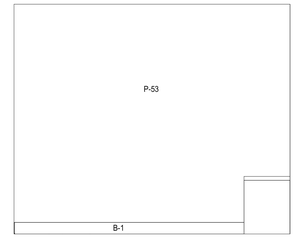
SCALE: 3/8" = 1'-0"



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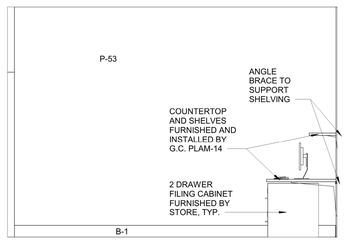

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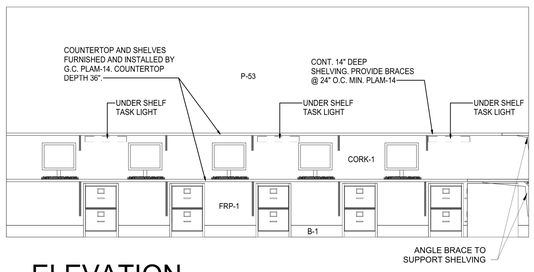

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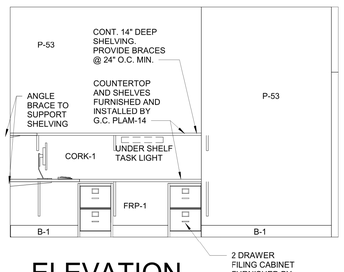

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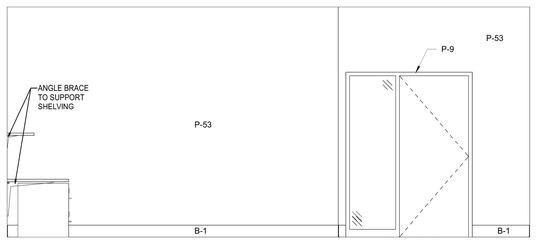

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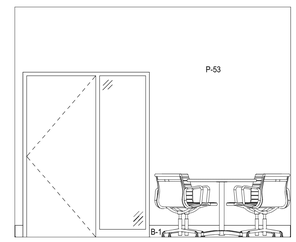

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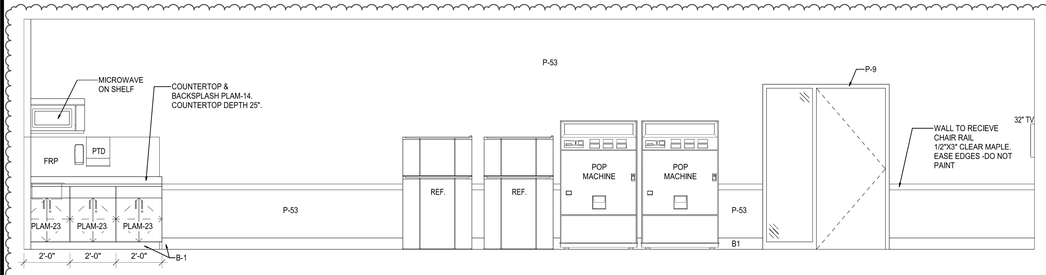

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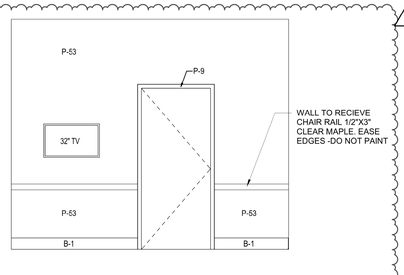

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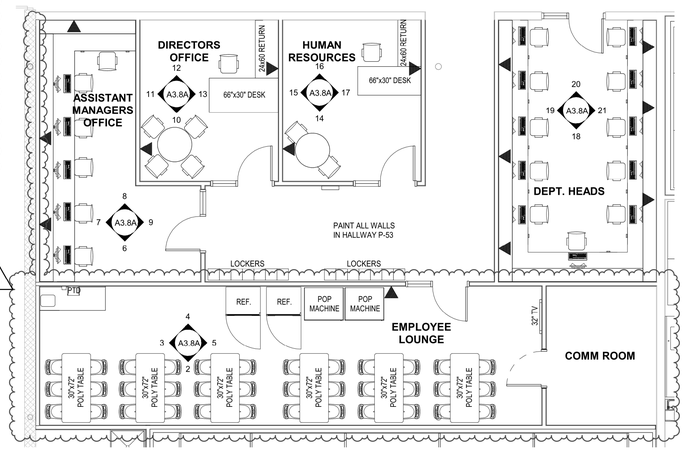
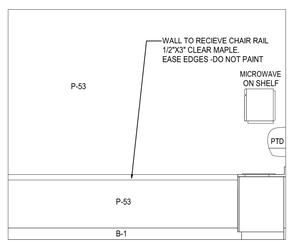


1 OFFICES
SCALE: 3/16" = 1'-0"



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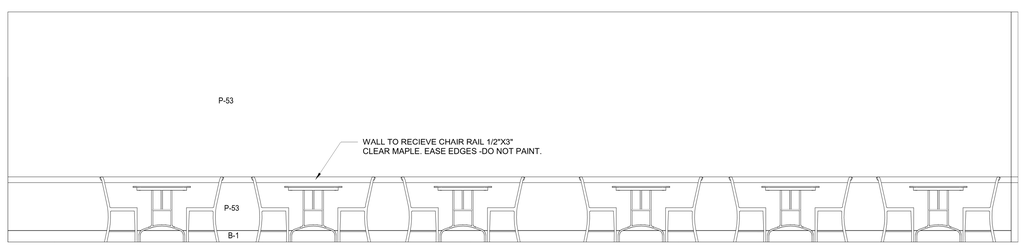

2 ELEVATION
SCALE: 3/8" = 1'-0"

REVISION		DATE BY
3	ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
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Missouri License No: A-007528

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HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEVATIONS - MISC. OFFICES

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER
As indicated	62930547

SHEET:

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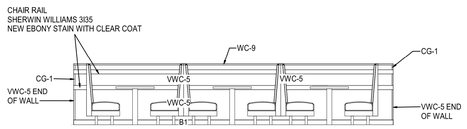

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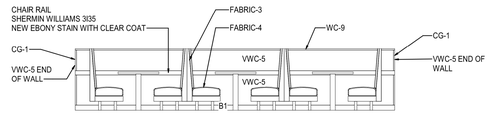
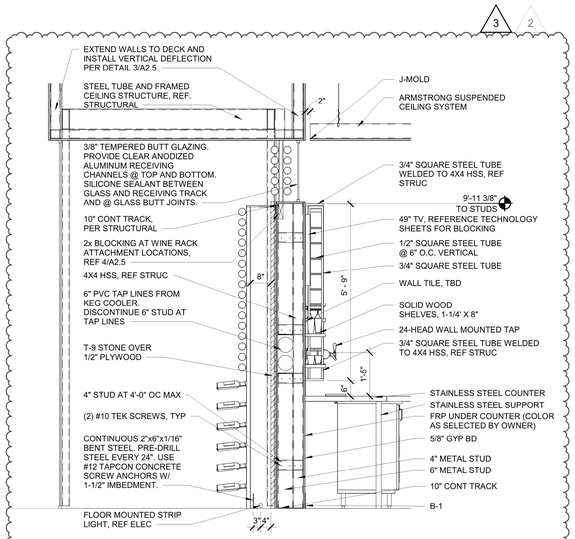
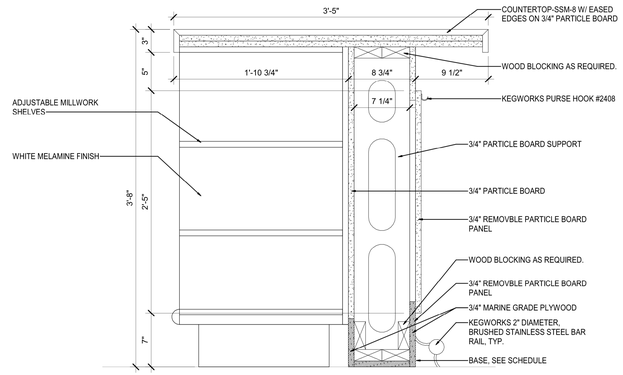
SCALE: 1/4" = 1'-0"



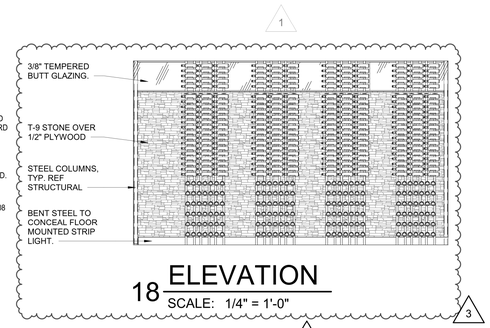
13 ELEVATION
SCALE: 1/4" = 1'-0"



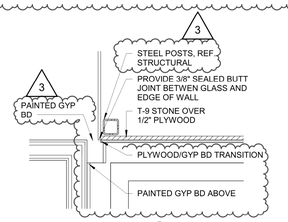
15 SECTION AT BAR
SCALE: 1/2" = 1'-0"



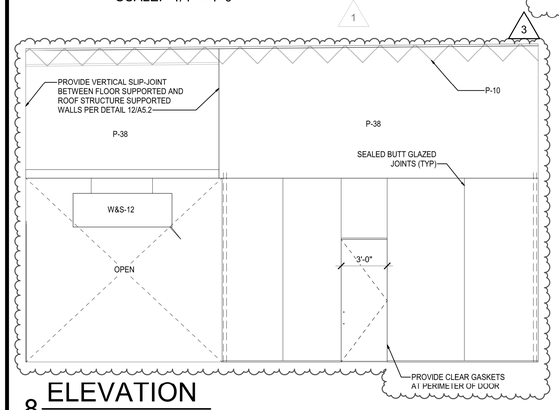
16 SECTION AT BAR
SCALE: 1 1/2" = 1'-0"



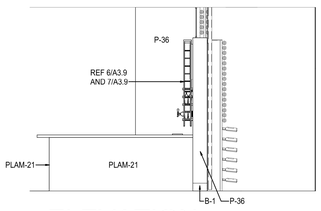
18 ELEVATION
SCALE: 1/4" = 1'-0"



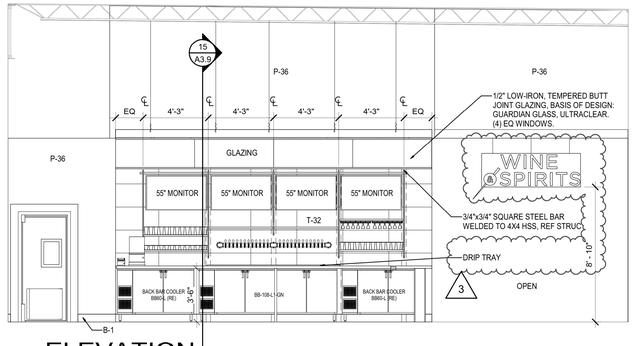
17 ENLARGED PLAN
SCALE: 1" = 1'-0"



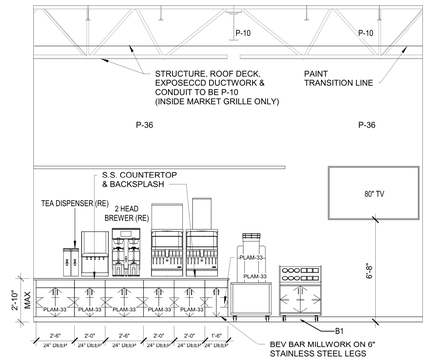
8 ELEVATION
SCALE: 1/4" = 1'-0"



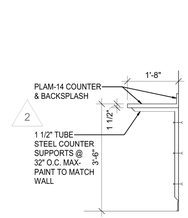
9 ELEVATION
SCALE: 1/4" = 1'-0"



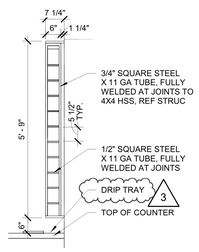
10 ELEVATION
SCALE: 1/4" = 1'-0"



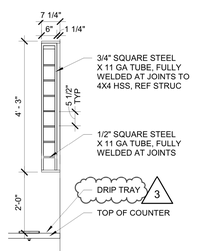
12 ELEVATION
SCALE: 1/4" = 1'-0"



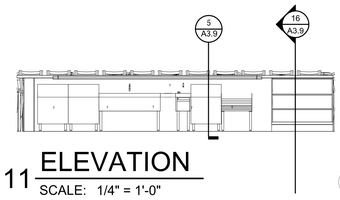
5 SECTION @ COUNTER
SCALE: 1/2" = 1'-0"



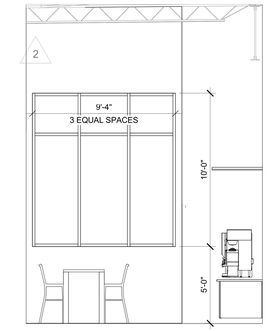
6 ENLARGED ELEVATION
SCALE: 1/2" = 1'-0"



7 ENLARGED ELEVATION
SCALE: 1/2" = 1'-0"



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



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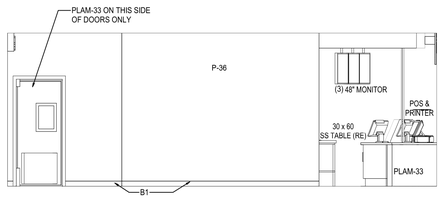
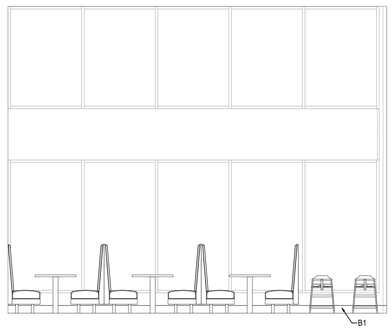
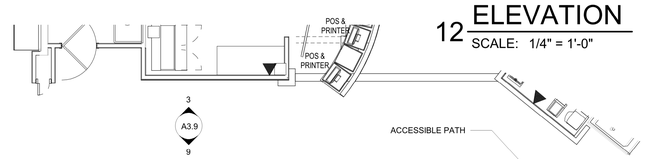
SCALE: 1/4" = 1'-0"

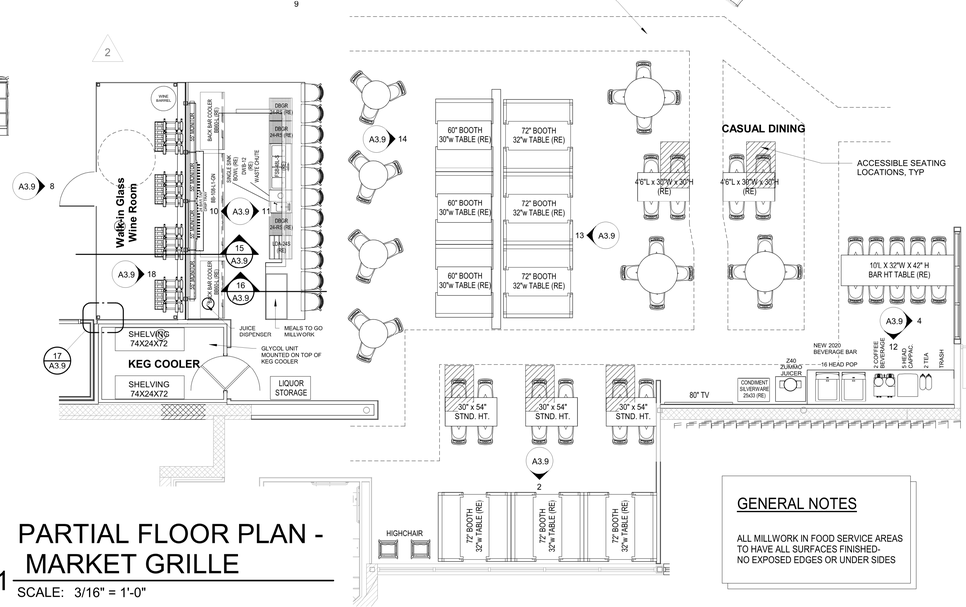


3 ELEVATION
SCALE: 1/4" = 1'-0"



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





1 PARTIAL FLOOR PLAN - MARKET GRILLE
SCALE: 3/16" = 1'-0"

GENERAL NOTES

ALL MILLWORK IN FOOD SERVICE AREAS TO HAVE ALL SURFACES FINISHED- NO EXPOSED EDGES OR UNDER SIDES

REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21
3	ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Nuevo
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

01/27/21
Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee®
EMPLOYEE OWNED

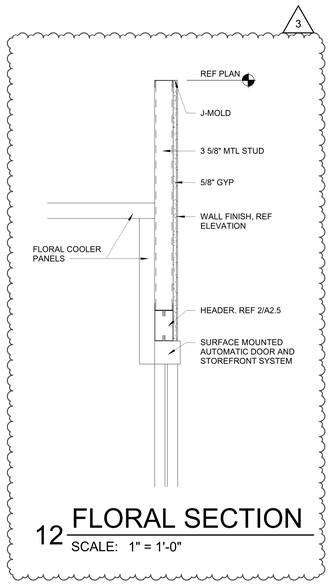
NORTH

ENLARGED PLAN & ELEVATIONS - CASUAL DINING

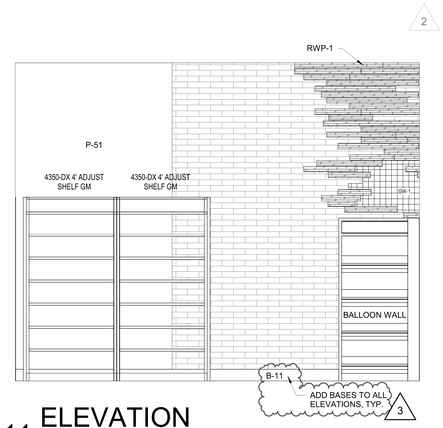
PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
KM	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:
A3.9

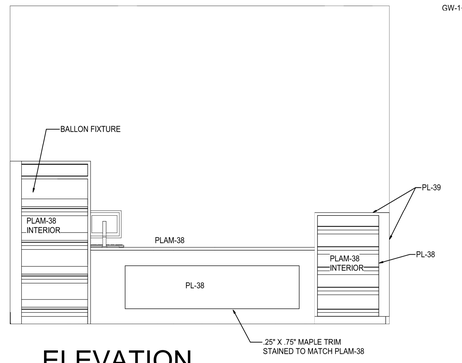
12/8/2021 5:20:09 PM



12 FLORAL SECTION
SCALE: 1" = 1'-0"



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



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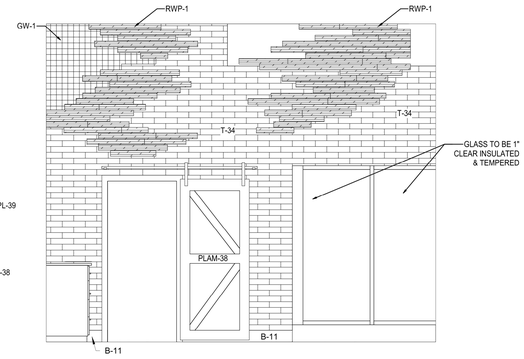
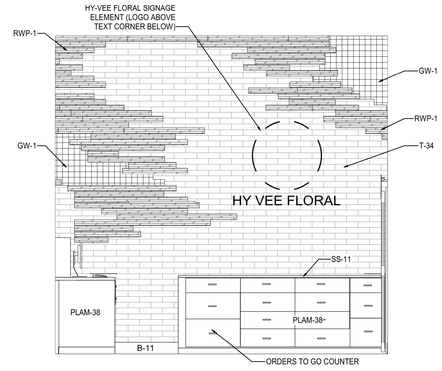
SCALE: 3/8" = 1'-0"



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



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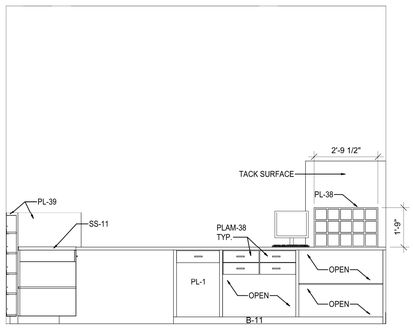
SCALE: 3/8" = 1'-0"



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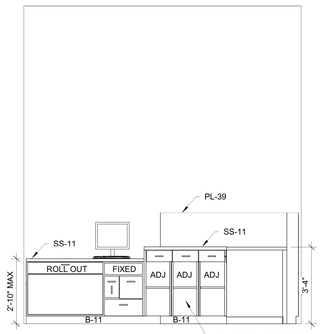
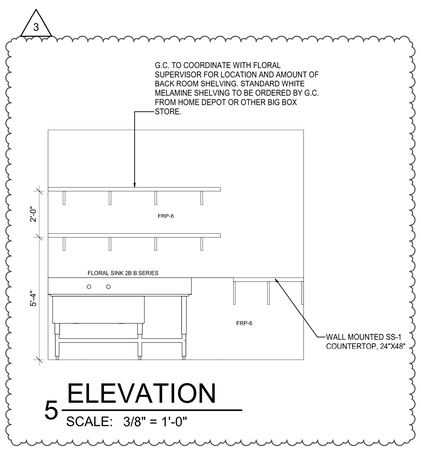
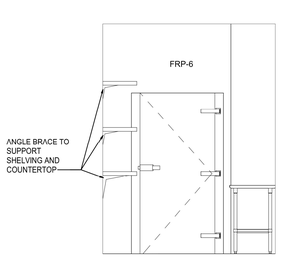
SCALE: 3/8" = 1'-0"



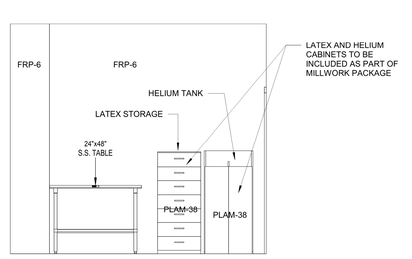
6 ELEVATION
SCALE: 3/8" = 1'-0"



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



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



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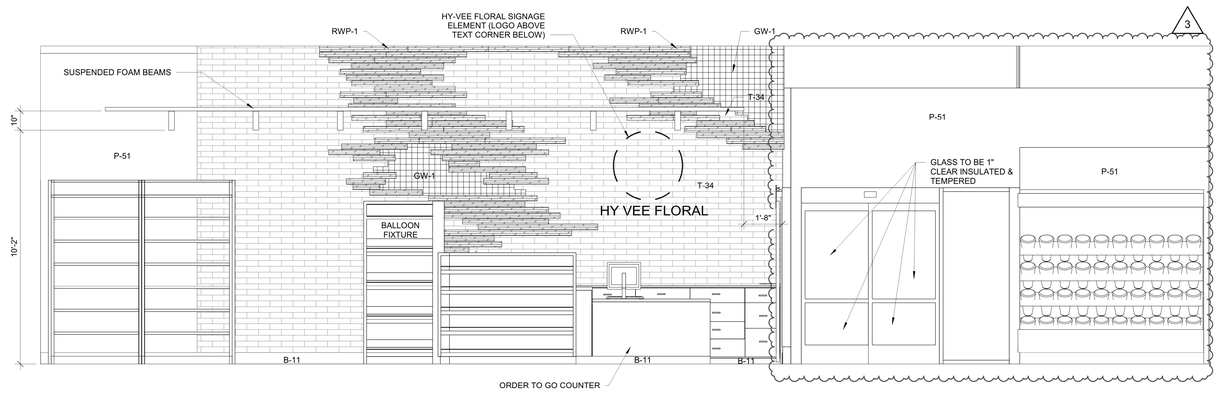
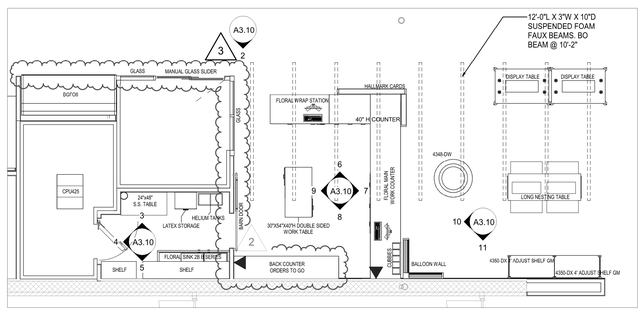
SCALE: 3/8" = 1'-0"



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



1 PARTIAL FLOOR PLAN - FLORAL
SCALE: 3/16" = 1'-0"

GENERAL NOTES

FOR FINISH SCHEDULE SEE SHEET A2.2.

REVISION		DATE BY
2	ASI #2	01/08/21
3	ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A MAJORS, JR
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

ENLARGED PLAN & ELEVATIONS - FLORAL

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AO	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:
A3.10

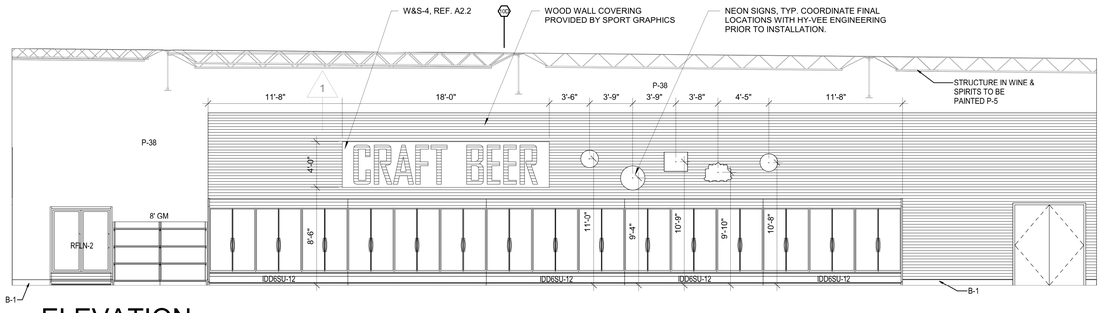
1/25/2021 7:11:30 PM

GENERAL NOTES

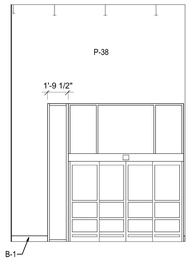
FOR FINISH SCHEDULE SEE SHEET A2.2.

REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21
3	ASI #3	01/26/21

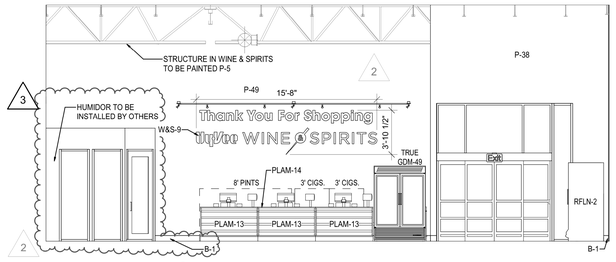
6 ELEVATION
SCALE: 3/16" = 1'-0"



5 ELEVATION
SCALE: 3/16" = 1'-0"

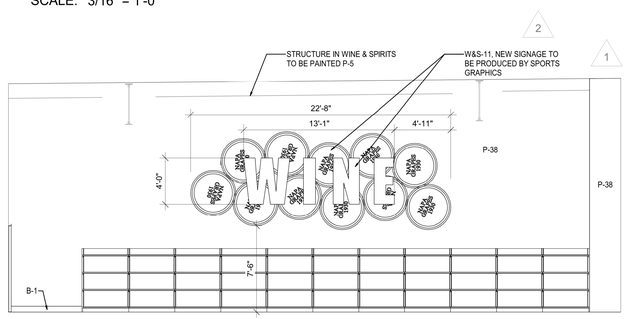


9 ELEVATION
SCALE: 3/16" = 1'-0"

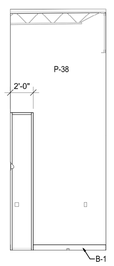


4 ELEVATION
SCALE: 3/16" = 1'-0"

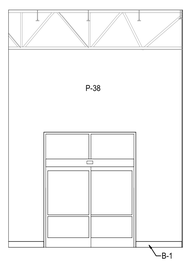
8 ELEVATION
SCALE: 3/16" = 1'-0"



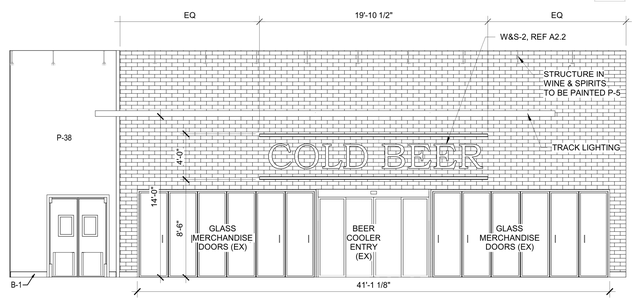
3 ELEVATION
SCALE: 3/16" = 1'-0"



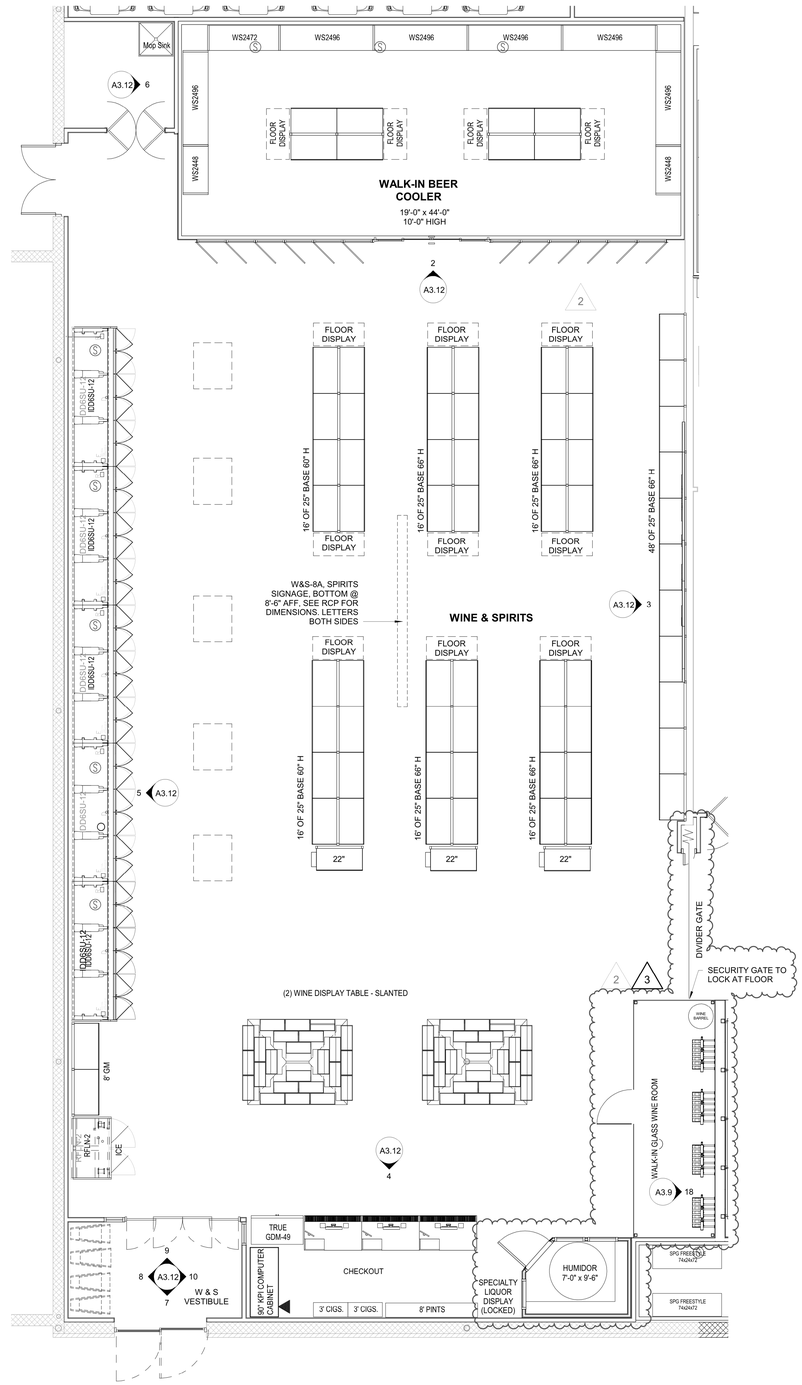
10 ELEVATION
SCALE: 3/16" = 1'-0"



7 ELEVATION
SCALE: 3/16" = 1'-0"



2 ELEVATION
SCALE: 3/16" = 1'-0"



1 PARTIAL FLOOR PLAN - WINE & SPIRITS
SCALE: 3/16" = 1'-0"

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

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01/27/21

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5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

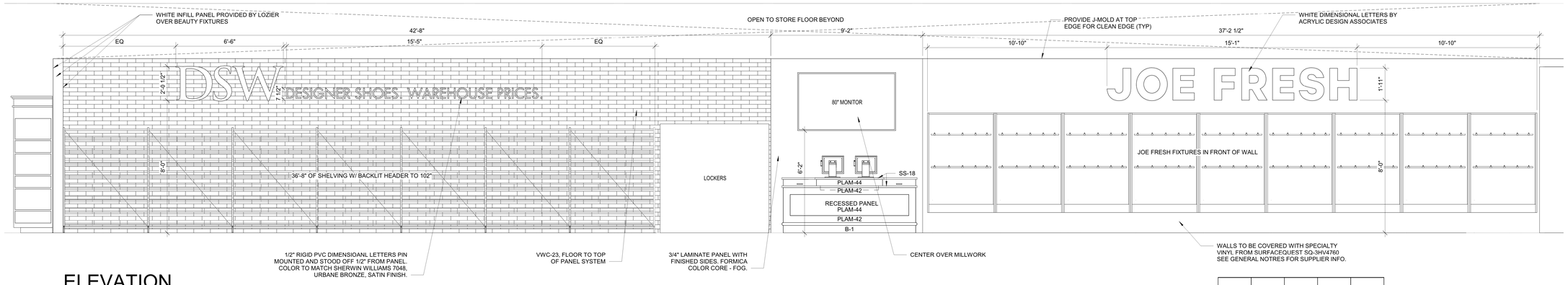
NORTH

ENLARGED PLAN & ELEVATIONS - WINE & SPIRITS

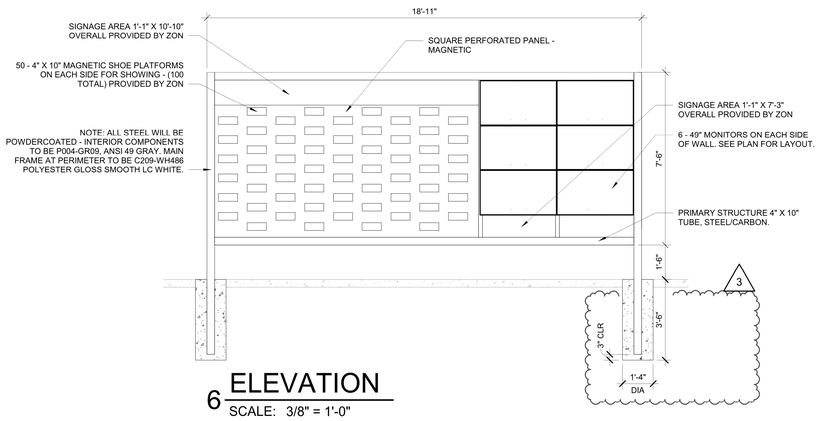
PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:
A3.12

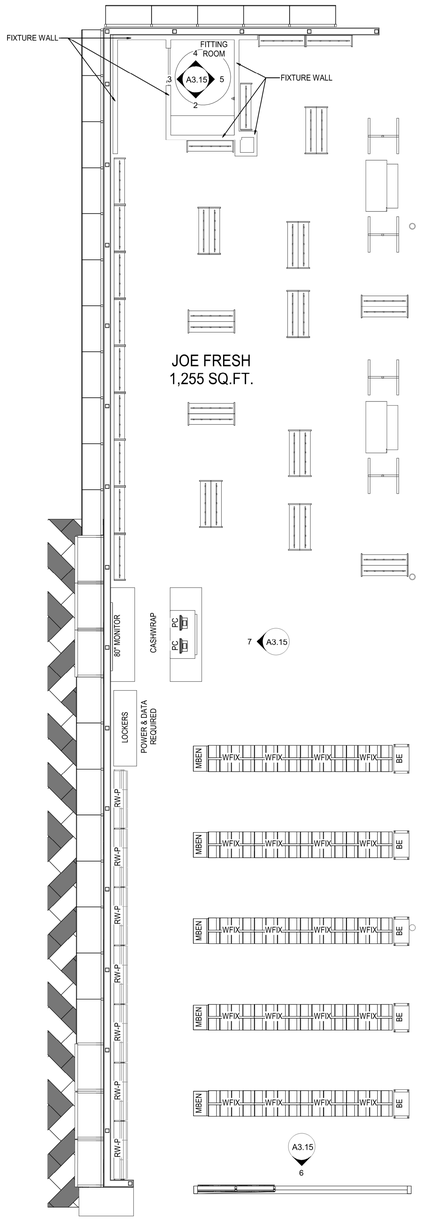
1/25/2021 7:11:48 PM



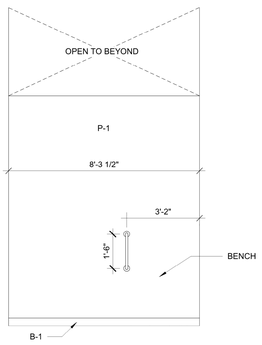
7 ELEVATION
SCALE: 3/8" = 1'-0"



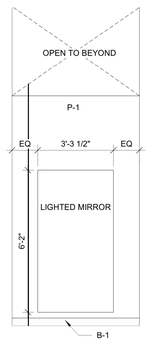
6 ELEVATION
SCALE: 3/8" = 1'-0"



1 PARTIAL FLOOR PLAN- JOE FRESH/DSW
SCALE: 3/16" = 1'-0"



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



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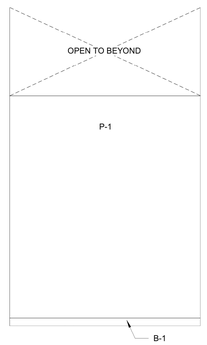

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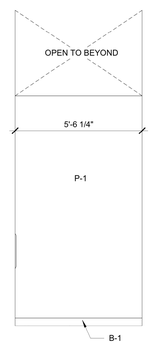
SCALE: 3/8" = 1'-0"



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

REVISION		DATE BY
2	ASI #2	01/08/21
3	ASI #3	01/26/21

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Reno
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee®
EMPLOYEE OWNED

NORTH

ENLARGED PLANS & ELEVATIONS - JOE FRESH & DSW

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AP	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

SHEET:
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NOTE:
INSTALL VERTICAL SLIP-JOINT BETWEEN FLOOR SUPPORTED WALLS AND ROOF SUPPORTED WALLS PER TYPICAL DETAIL 14/A5.2.

NOTE:
IN NEW DINING AREA WHERE THE EXISTING CEILING HAS BEEN REMOVED, EXTEND THE 5/8" GYPSUM BOARD WALL FINISH UP ON THE DINING PERIMETER WALLS TO THE UNDERSIDE OF THE ROOF DECK WHERE IT DOESN'T ALREADY EXTEND UP. ADD FRAMING AS NEEDED SO THAT THE PERIMETER DINING WALLS ARE CONTINUOUS FULL HEIGHT. ANY EXISTING WALLS TO REMAIN ARE TO BE PATCHED/REPAIRED TO LIKE-NEW CONDITION.

SEE BOX NOTE ABOVE FOR DINING PERIMETER WALLS

STEEL POSTS, TYP. REF. STRUCTURAL

NORI SUSHI SIGNAGE

WALL ABOVE PHARMACY SOFFIT TO RETURN BACK IN LINE WITH WALL BELOW

WALL ABOVE PHARMACY SOFFIT TO BE CENTERED ON GRILL TRACK

ALL SUSPENSION RODS TO BE CONCEALED WITHIN/BEHIND WALLS

WALL ABOVE PHARMACY SOFFIT TO RETURN BACK IN LINE WITH WALL BELOW

ALIGN CEILING CLOUD WITH WALL

MATCH WALL THICKNESS

1 DIMENSIONED BULKHEAD PLAN

SCALE: 3/32" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21
3	ASI #3	01/26/21

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BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

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STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
REGISTERED ARCHITECT
01/27/21

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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DIMENSIONED BULKHEAD PLAN

PROJECT MANAGER	CHECKED BY:
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DRAWN BY:	DATE:
SB	10/20/2020
SCALE:	JOB NUMBER:
3/32" = 1'-0"	62930547

SHEET:

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REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21
3	ASI #3	01/26/21

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Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Miami
Nuevo
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

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Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2930

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REFLECTED CEILING PLAN

PROJECT MANAGER	CHECKED BY:
SB	JPS
DRAWN BY:	DATE:
AO	10/20/2020
SCALE:	JOB NUMBER:
3/32" = 1'-0"	62930547

SHEET:
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1 REFLECTED CEILING PLAN
SCALE: 3/32" = 1'-0"

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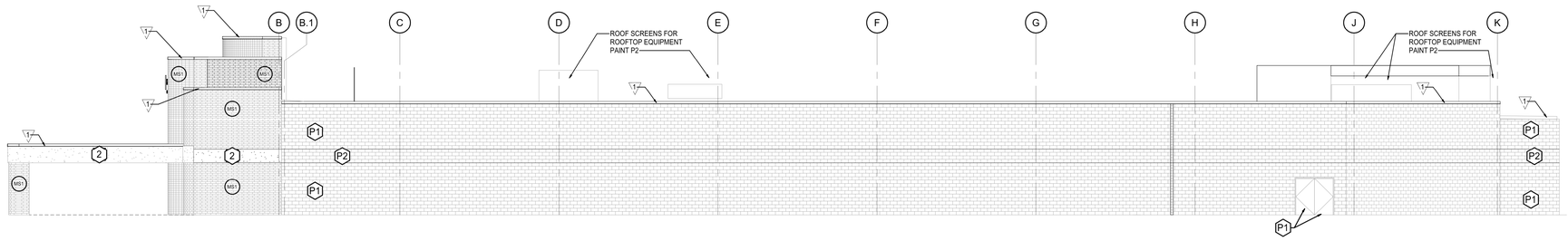
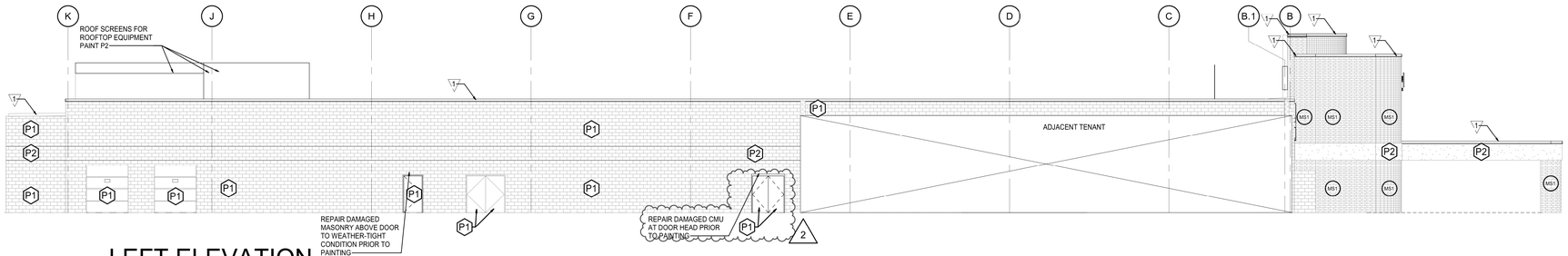


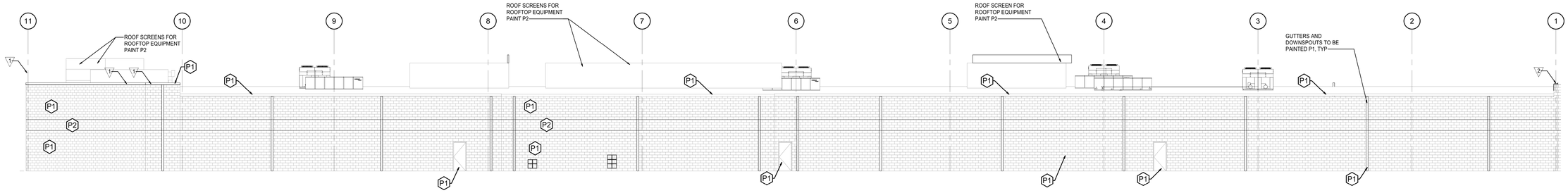
1 RIGHT ELEVATION

SCALE: 3/32" = 1'-0"



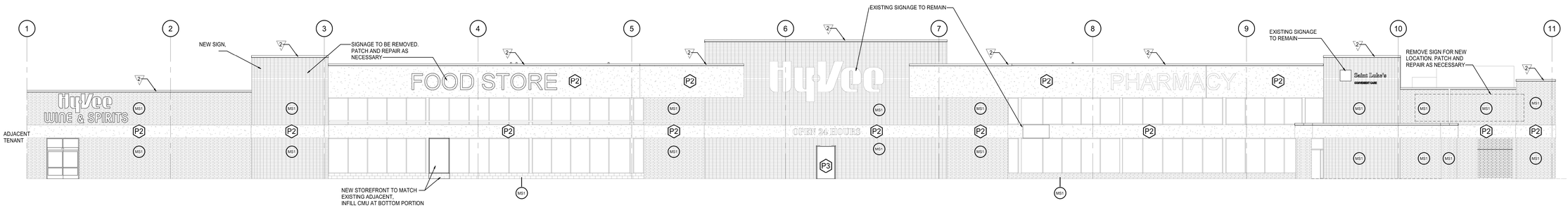
2 LEFT ELEVATION

SCALE: 3/32" = 1'-0"



3 REAR ELEVATION

SCALE: 3/32" = 1'-0"



4 FRONT ELEVATION

SCALE: 3/32" = 1'-0"

MASONRY STAIN COLORS:

- MS1 — COLOR TO MATCH KANSAS BRICK AND TILE #530 FLASH FACE SET

PAINT COLORS:

- P1 — MATCH S.W. #7526 "MAISON BLANCHE"
- P2 — MATCH S.W. #7527 "NANTUCKET DUNE"
- P3 — MATCH NEW BRICK COLOR - KANSAS BRICK AND TILE #530 FLASH FACE SET
- P4 — ALL EXISTING STOREFRONT MULLIONS ARE TO BE PAINTED TO MATCH "ANODIZED ALUMINUM" PER SPECS

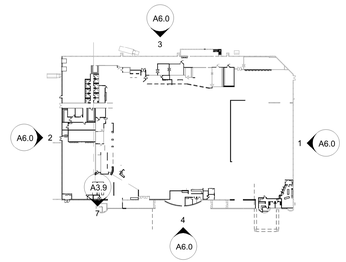
METAL FLASHINGS:

- 1 — PREFINISHED METAL WALL CAP COLOR TO MATCH S.W. #7526 MAISON BLANCHE

EXTERIOR METAL ASSEMBLIES:

PAINT ALL EXTERIOR PIPE BOLLARDS TO MATCH MAIN BRICK COLOR - P3

TUCKPOINT EXISTING BRICK AS NEEDED. COORDINATE LOCATIONS WITH HY-VEE.



KEY PLAN

SCALE: N.T.S.

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2	ASI #2	01/08/21

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Architect of Record:
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Miami
Los Angeles
Chicago

8131 Metcalf Avenue
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-007528
LICENSED ARCHITECT

Richard A. Majors, Jr.
Architect
Missouri License No. A-007528

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2955

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EXTERIOR ELEVATIONS

PROJECT MANAGER	CHECKED BY:
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SCALE:	JOB NUMBER:
As indicated	62930547

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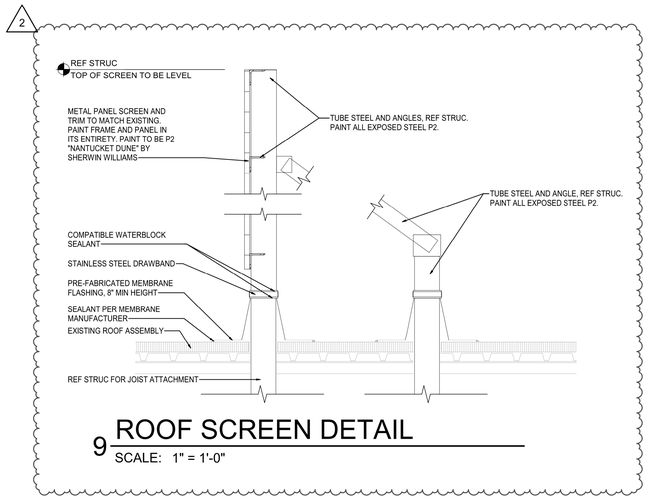
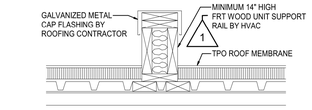
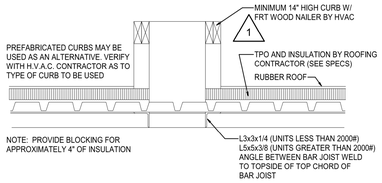


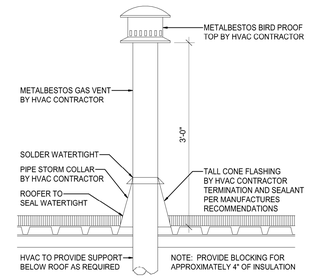
9 ROOF SCREEN DETAIL
SCALE: 1" = 1'-0"



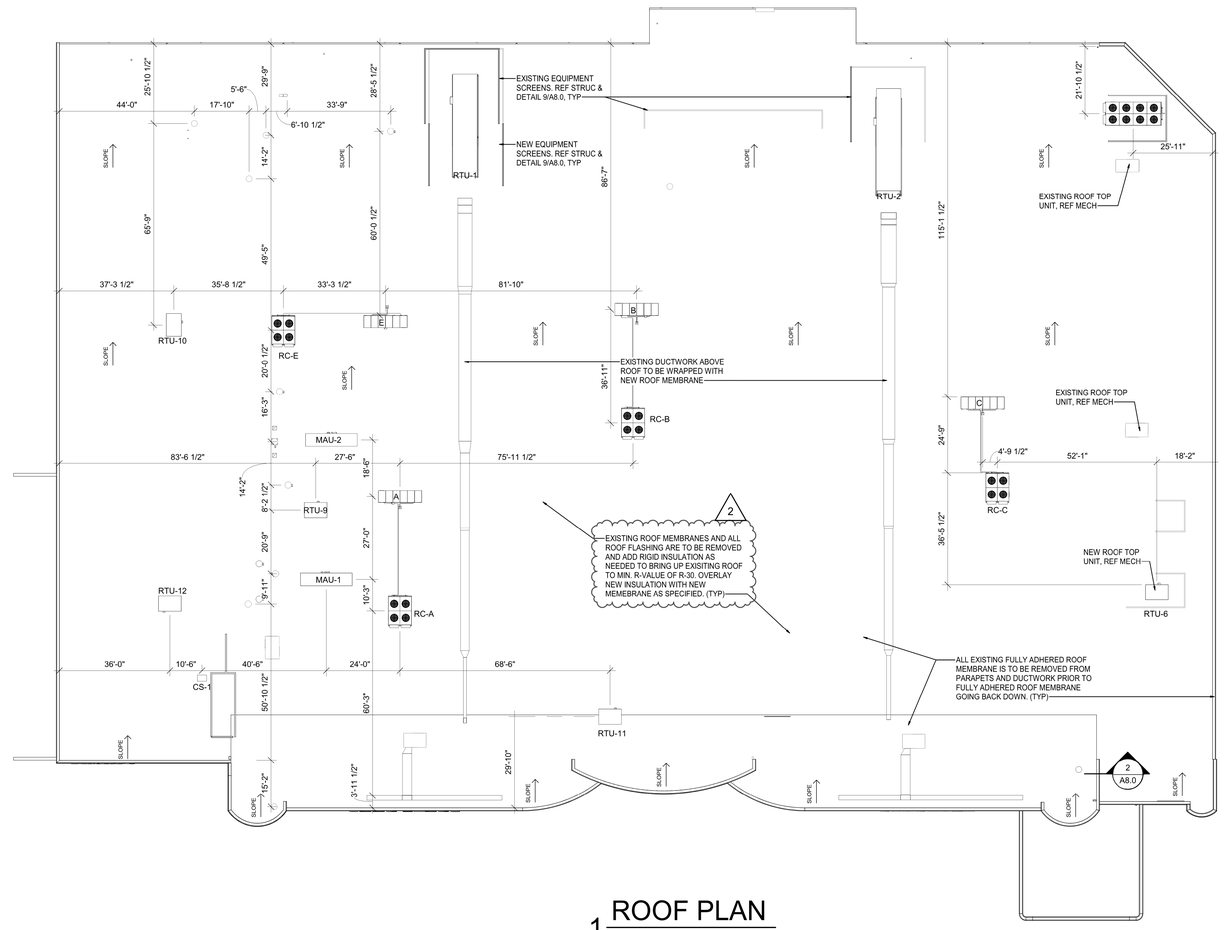
8 TYPE "B" ROOF CURB
SCALE: 1" = 1'-0"



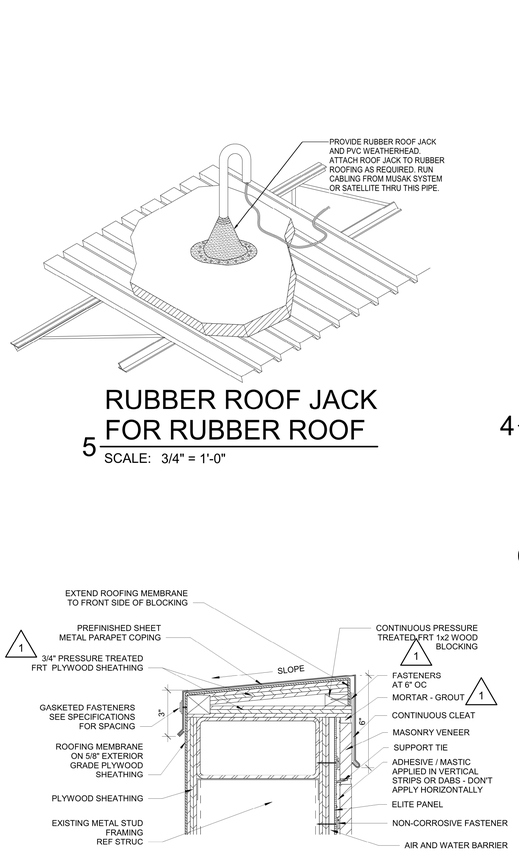
7 TYPE "A" ROOF CURB
SCALE: 1" = 1'-0"



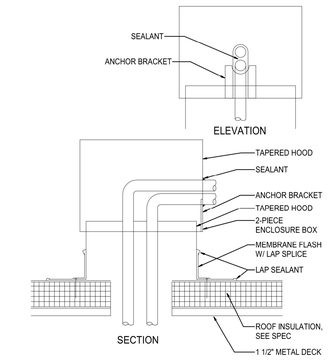
6 GAS VENT DETAIL
SCALE: 1" = 1'-0"



1 ROOF PLAN
SCALE: 1" = 20'-0"

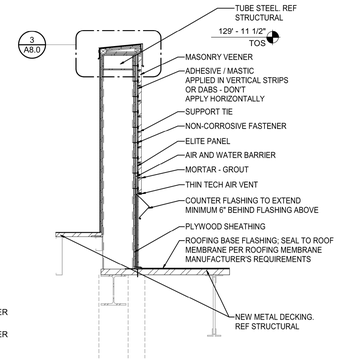


5 RUBBER ROOF JACK FOR RUBBER ROOF
SCALE: 3/4" = 1'-0"



4 MULTIPLE PENETRATIONS CLOSURE BOX DETAIL
SCALE: 1" = 1'-0"

3 PARAPET COPING
SCALE: 3" = 1'-0"



2 SECTION AT PARAPET RETURN WALL
SCALE: 3/4" = 1'-0"

REVISION		DATE BY
1	ASI #1	11/12/20
2	ASI #2	01/08/21

brr

Architect of Record: Rich A. Majors
BRR Architecture, Inc

Kansas City
Bentonville
Phoenix
San Francisco
Philadelphia
Atlanta
Austin
Napa
Los Angeles
Chicago

8131 Metcalf Ave
Suite 300
Overland Park, KS 66204

Tel: 913-262-9095
Fax: 913-262-9044

PROFESSIONAL SEAL

STATE OF MISSOURI
RICHARD A. MAJORS, JR.
NUMBER A-2012031161
REGISTERED ARCHITECT

01/08/21

LOCATION
LEE'S SUMMIT, MO #2

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

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ROOF PLAN

PROJECT MANAGER	CHECKED BY:
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SB	10/20/2020
SCALE:	JOB NUMBER:
As indicated	62930547

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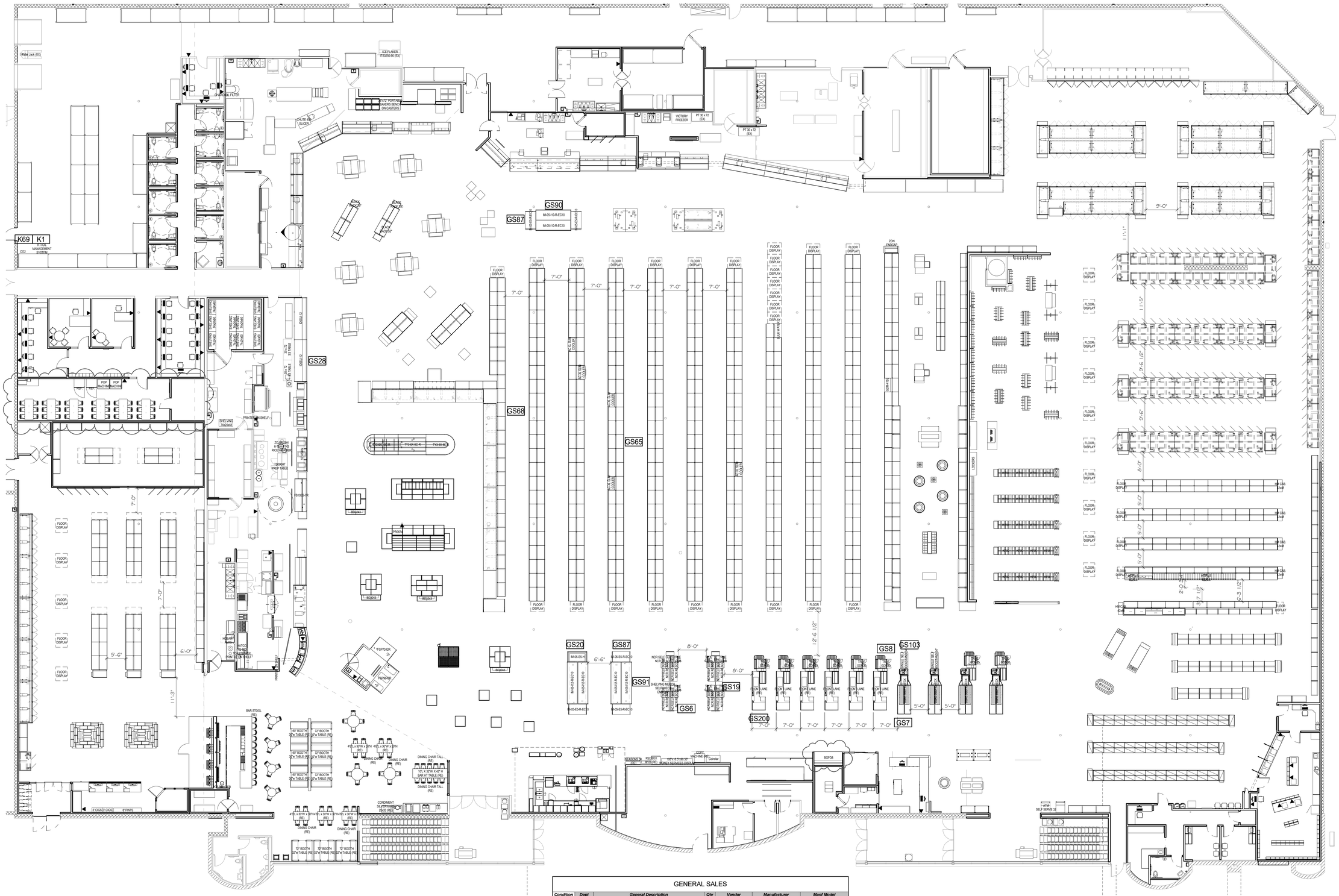
REVISION	DATE BY
2 ASI #2	1/8/21
3 ASI #3	1/22/21



GENERAL SALES

Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	GS8	SELF CHECKOUT 3 BAGGER	8	NCR	NCR	3 BAG
NEW	GS7	DUAL SELF CHECK	4	KPI	KPI	
	GS8	MERCHANDISER, BEVERAGE	6	TRUE	TRUE	GDM30
	GS10	SAFE	1	AMERICAN SECURITY	AMERICAN SECURITY	
NEW	GS16	REFRIGERATOR	5	AHT	AHT	AC XL SLIM
NEW	GS19	COOLER	6	TRUE	TRUE	GDM6
NEW	GS20	CASE	1	HUSSMANN	HUSSMANN	IM-05-ES-H
	GS23	SHELVING MERCHANDISER	2	LOZIER	LOZIER	CCS TCM
	GS28	CASE	2	HUSSMANN	HUSSMANN	IDSSU-12
	GS30	SHELVING 16" SINGLE	6	LOZIER SHELVING	LOZIER SHELVING	3 FOOT 66" HIGH
	GS31	SHELVING 16" DOUBLE	37	LOZIER SHELVING	LOZIER SHELVING	3 FOOT 66" HIGH
	GS40	SHELVING 19" SINGLE	38	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 78" HIGH
	GS44	SHELVING 19" SINGLE	11	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 84" HIGH
	GS45	SHELVING 19" DOUBLE	44	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 84" HIGH
	GS48	SHELVING 22" SINGLE	6	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 66" HIGH
	GS52	SHELVING 22" SINGLE	11	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 78" HIGH
	GS60	SHELVING 25" SINGLE	13	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 66" HIGH
	GS61	SHELVING 25" DOUBLE	28	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 66" HIGH
	GS65	SHELVING 25" DOUBLE	238	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 72" HIGH
	GS68	SHELVING 25" SINGLE	30	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 78" HIGH
NEW	GS69	SHELVING 25" DOUBLE	7	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 78" HIGH
	GS72	SHELVING 25" SINGLE	1	LOZIER SHELVING	LOZIER SHELVING	4 FOOT 84" HIGH
	GS74	REGISTER SIDE SHELF	8			
	GS75	COOLER SIDE SHELF	8			
	GS76	REGISTER ENDCAP	8			
RELOCATED	GS77	REDBOX KIOSK	1			
EXISTING	GS78	PALLET JACK	1			WP3035
NEW	GS80	PALLET RACK ADD ON	28			
NEW	GS81	RECYCLE BIN	1			
	GS82	ATM	2		NCR CORPORATION	SELF SERVE 6632
	GS87	CASE	5	HUSSMANN	HUSSMANN	IM-05-ES-R-EC10
	GS90	CASE	2		HUSSMANN	IM-05-I10-R-EC10
NEW	GS91	CASE	4	HUSSMANN	HUSSMANN	
NEW	GS103	CONVERTIBLE CHECKSTAND 54 INCH	2	KPI	KPI	
	GS106	STERILE CART	2	ULTRAGREEN	UZA MANUFACTURING	595000
RELOCATED	GS200	CHECKER, FRONT	6	KPI	KPI	
RELOCATED	GS201	COPIER	1			

EQUIPMENT PLAN GENERAL SALES

1 SCALE: 3/32" = 1'-0"

GENERAL SALES SCHEDULE PAGE 4

REFER TO EQUIPMENT BOOKLET FOR ADDITIONAL INFORMATION

LOCATION:
LEE'S SUMMIT #2 HY-VEE
LEE'S SUMMIT, MO

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

EQUIPMENT PLAN

DRAWN:	DATE:
Author	MAY 2017
SCALE: 3/32" = 1'-0"	JOB NUMBER:

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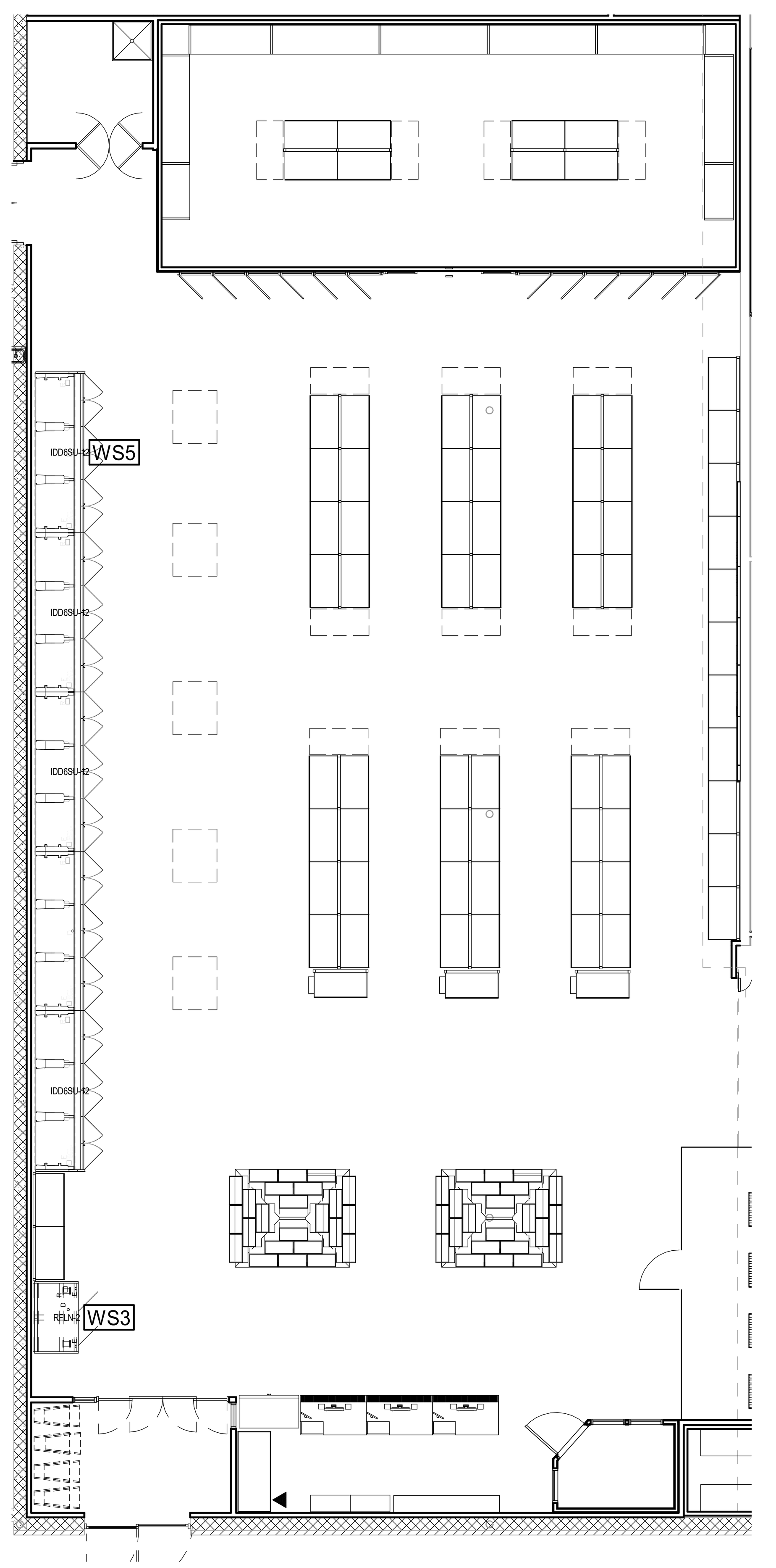
EQ1.0

BIM 360://Hy-Vee Lee's Summit #2/Lees Summit 2_Equipment_R20.rvt

WINE & SPIRITS

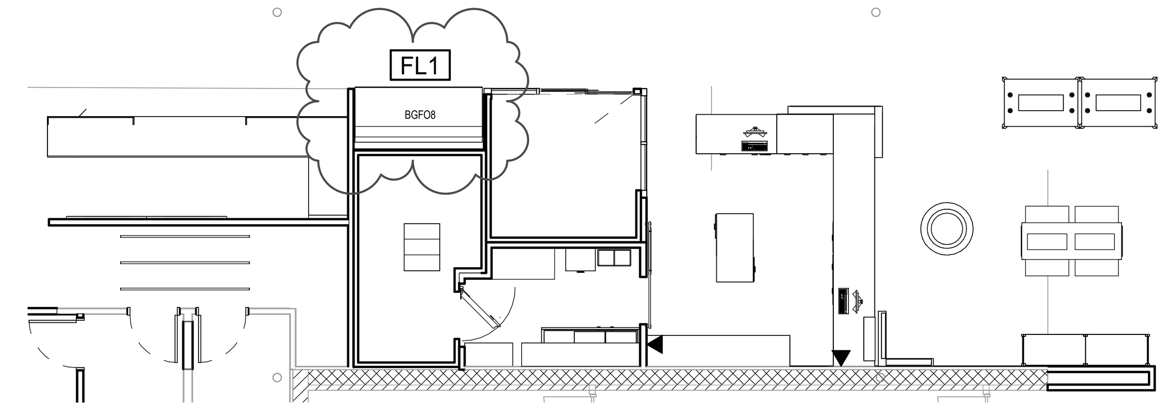
Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
NEW	WS1	FREEZER	1	TRUE	TRUE	GDM-49F
NEW	WS3	CASE	1	HUSSMANN	HUSSMANN	RFLN-2
NEW	WS5	CASE	5	HUSSMANN	HUSSMANN	IDD6SU-12
NEW	WS15	KPI DAISY CHAIN - LEFT	3	KPI	KPI	
NEW	WS16	KPI 90DEG COMPUTER CABINET	1	KPI	KPI	72" LENGTH
	WS100	COOLER - BEER	1			
	WS101	COOLER DOORS - BEER	1			QUANTITY: 13



EQUIPMENT PLAN WINE AND SPIRITS
6 SCALE: 1/8" = 1'-0"

FLORAL

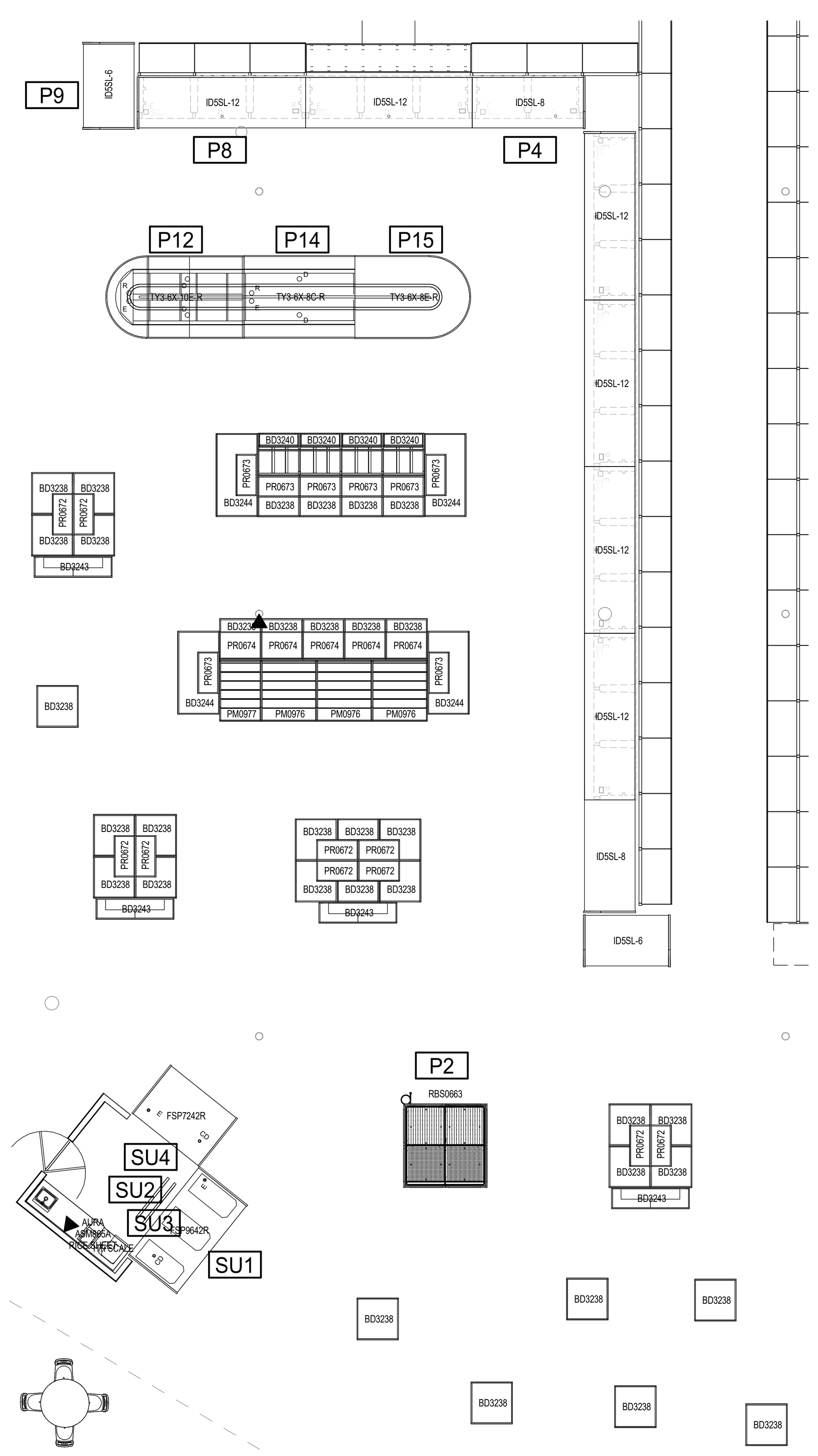
Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	FL	FLORAL	1			
NEW	FL1	CASE	1	BORGEN	BORGEN	BGFO-8
	FL100	COOLER - FLORAL	1			
	FL101	COOLER - FLORAL DISPLAY	1			



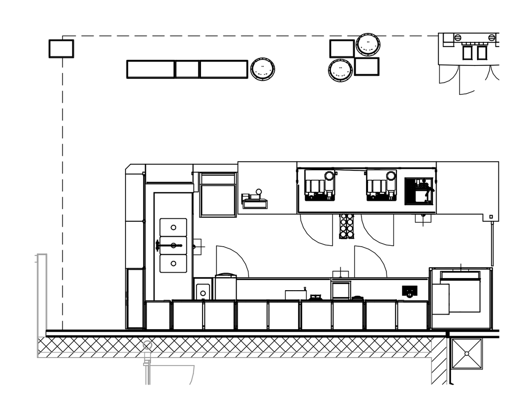
EQUIPMENT PLAN FLORAL
5 SCALE: 1/8" = 1'-0"

PRODUCE

Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	P2	CASE	1	JSI	JSI	RBS0663
	P3	POLY TABLE	2	JOHN BOOS	JOHN BOOS	
	P4	CASE	2	HUSSMANN	HUSSMANN	ID5SL-8
	P6	WRAPPER	1	HUSSMANN	HEAT SEAL	102A
	P7	SCALE, WIRELESS	1	HOBART CORPORATION	HOBART	HTi-LS
NEW	P8	CASE	6	HUSSMANN	HUSSMANN	ID5SL-12
NEW	P9	CASE	2	HUSSMANN	HUSSMANN	ID5SL-6
NEW	P12	CASE	1	HUSSMANN	HUSSMANN	TY3-6X-10E-R
NEW	P14	CASE	1	HUSSMANN	HUSSMANN	TY3-6X-8C-R
NEW	P15	CASE	1	HUSSMANN	HUSSMANN	TY3-6X-8E-R
NEW	P16	PRODUCE BIN	4	JSI	JSI	BD3243
NEW	P17	PRODUCE BIN	34	JSI	JSI	BD3238
NEW	P18	PRODUCE BIN	5	JSI	JSI	PR0674
NEW	P19	PRODUCE BIN	10	JSI	JSI	PR0672
NEW	P23	PRODUCE BIN	4	JSI	JSI	BD3244
NEW	P24	PRODUCE BIN	8	JSI	JSI	PR0673
NEW	P25	PRODUCE BIN	4	JSI	JSI	BD3240
NEW	P27	PRODUCE BIN	3	JSI	JSI	PM0976
	P98	PRODUCE - SINK	1	JOHN BOOS	JOHN BOOS	1 COMP SINK W/ DRAINBOARD
	P99	PRODUCE - PLATTER SINK	1	JOHN BOOS	JOHN BOOS	3-COMP SINK
	P100	COOLER - PRODUCE	1			



EQUIPMENT PLAN PRODUCE
3 SCALE: 1/8" = 1'-0"



EQUIPMENT PLAN COFFEE
4 SCALE: 1/8" = 1'-0"

SUSHI

Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	SU1	SUSHI, PREP	1	STRUCTURAL CONCEPTS	STRUCTURAL CONCEPTS	FSP9642R
NEW	SU2	RICE SHEET	1	GLOBAL TRELLION	AUTEC	ASM865A
	SU3	SCALE, WIRELESS	1	HOBART CORPORATION	HOBART	HTi-7S
	SU4	SUSHI, PREP	1	STRUCTURAL CONCEPTS	STRUCTURAL CONCEPTS	FSP7242R

ASIAN

Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	A3	4 HOLE WOK	1	HUSSMANN	TOWN	
	A5	8L RICE WARMER	2	WASSERSTROM	ZOJINSHI	THA-8035
	A6	TABLE, PREP	1	TRAULSEN	TRAULSEN	TS090HT
	A11	SS TABLE	1	JOHN BOOS	JOHN BOOS	
NEW	A12	TABLE, PREP	1	TRAULSEN	TRAULSEN	TS048HT
NEW	A13	TABLE, PREP	1	TRAULSEN	TRAULSEN	TS066HT
NEW	A15	CASE, HOT, SERVE	1	STRUCTURAL CONCEPTS	STRUCTURAL CONCEPTS	10' SC ASIAN

MIA PIZZA

Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
NEW	MP1	OVEN, DECK	1	DUPEY EQUIPMENT COMPANY	WOODSTONE	FD-8645-RFG-L-IR
	MP2	SS TABLE	1	JOHN BOOS	JOHN BOOS	
NEW	MP4	DOUGH PRESS W/STAND	1	DUPEY	XPRESS	DXM
NEW	MP5	COLD COUNTER	2	SHELLEY STEEL	SHELLEY STEEL	SCSC-50
	MP6	LOWERATOR	1	WASSERSTRUM	LAKESIDE	6110
	MP7	SS TABLE	1	JOHN BOOS	JOHN BOOS	
RELOCATED	MP9	30 QT FLOOR MIXER	1		GLOBE FOOD EQUIP. COMPANY	SP30P

C-STORE

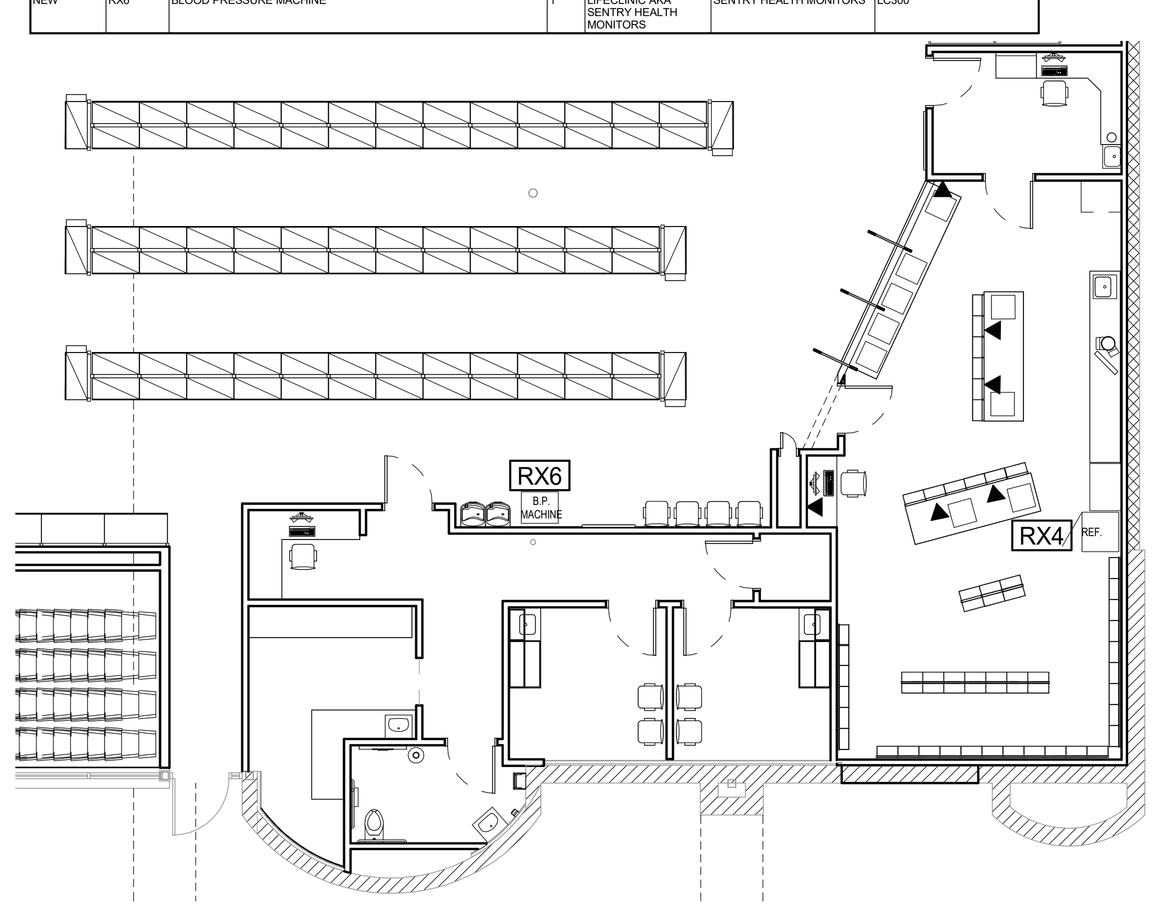
Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
RELOCATED	CS6	CAPPUCINO 5 HEAD	1		INTERNATIONAL	37300.0023
RELOCATED	CS11	ICE MACHINE, CUBER	1	D&J BEVERAGE	CORNELIUS	CIM0636HW
	CS12		2			

KITCHEN

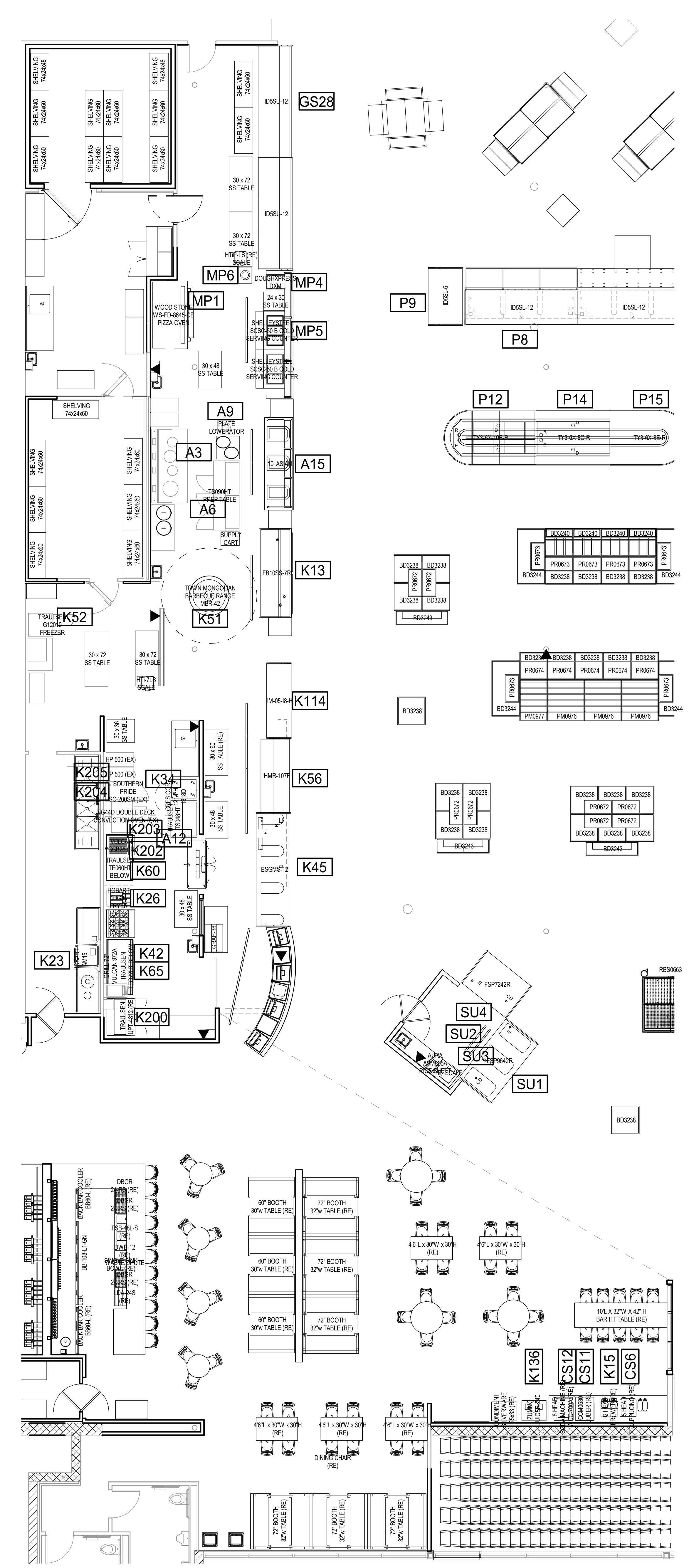
Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	K1	OIL MANAGEMENT	1	RTI	RTI	BI-2W
	K4	SCALE, WIRELESS	1	HOBART CORPORATION	HOBART	HTi-7LS
	K10	TOASTER, CONVEYOR	1	HATCO		TQ-800
	K13	SALAD BAR	1	STRUCTURAL CONCEPTS	STRUCTURAL CONCEPTS	FB10-SS-7R
	K15	COFFEE BREWERS	1	WILBUR CURTIS	WILBUR CURTIS	TP15T
NEW	K16	HEAT RAIL	1	HATCO	HATCO	GRAH-36
	K17	SS TABLE	2	JOHN BOOS	JOHN BOOS	
	K22	SS TABLE	3	JOHN BOOS	JOHN BOOS	
NEW	K23	DISHWASHER	1	HOBART CORPORATION	HOBART	AM15
NEW	K26	FRYER	1	HORBART CORPORATION	HOBART	1HG85
	K29	BAG IN A BOX	2			
NEW	K34	HOLDING CABINET	1	HUSSMANN	CRESCOR	121-PH1818D
	K42	UNDERCOUNTER	1	HOBART	TRAULSEN	TEO72HT
	K45	CASE	1	HUSSMANN	HUSSMANN	ESGMS-12
NEW	K51	MONGOLIAN RANGE	1	HUSSMANN	TOWN	MBR-42
NEW	K52	FREEZER	1	TRAULSEN	TRAULSEN	G12010
	K53	SS TABLE	1	JOHN BOOS	JOHN BOOS	
NEW	K56	CASE, HOT	1	TRI-CITY	HENNY PENNY	HMR-107F
RELOCATED	K60	UNDERCOUNTER	1	HOBART CORPORATION	TRAULSEN	TE060HT
NEW	K65	GRIDDLE	1	HOBART CORPORATION	VULCAN	972
	K69	CO2	1			CO2
NEW	K96	ROTISSERIE	1	DUPEY	ALTO-SHAAM	AR-6G
	K97	KITCHEN - CULINARY TABLE	1	JOHN BOOS	JOHN BOOS	CULINARY TABLE
	K98	KITCHEN - DISH TABLE	1	JOHN BOOS	JOHN BOOS	CUSTOM DISH TABLE
	K99	KITCHEN - SINK	1	JOHN BOOS	JOHN BOOS	4-COMP SINK
	K100	COOLER - KITCHEN	1			
	K101	FREEZER - KITCHEN	1			
NEW	K114	CASE	1	HUSSMANN	HUSSMANN	IM-05-I8-H
NEW	K135	DISPENSER	1	FRESHLY SQUEEZED	SENCOTEL	120
NEW	K136	JUICER	1	FRESHLY SQUEEZED	ZUMMO	Z40
	K200	TABLE, PREP	1	TRAULSEN	TRAULSEN	UPT-4812
NEW	K202	CHARBROILER	1	HOBART	VULCAN	VCCB25
EXISTING	K203	OVEN, COMBI, STACK	1	HOBART CORPORATION	VULCAN	SG44D
	K204	SMOKER	1	DUPEY EQUIPMENT COMPANY	SOUTHERN PRIDE	SC-200SM
	K205	FRYERS	4			HP500
	K206	SCALE, WIRELESS	2	HOBART CORPORATION	HOBART	HTiP-LS
EXISTING	K207	ICE MACHINE COMBO	1	HUSSMANN	CORNELIUS	CCM1030
NEW	K208	DRAINBOARD	3	GLASTENDER	GLASTENDER	DBGR 24-RS
	K209	4 COMP SINK	1	GLASTENDER	GLASTENDER	FSB-48L-S
RELOCATED	K210	WASTE CHUTE	1	GLASTENDER	GLASTENDER	DWB-12
RELOCATED	K211	SINK	1	GLASTENDER	GLASTENDER	DHSB-12
RELOCATED	K212	LIQUOR DISPLAY	1	GLASTENDER	GLASTENDER	LDA-24

PHARMACY

Condition	Dept	General Description	Qty	Vendor	Manufacturer	Manf Model
	RX3	SHELVES	40	LOZIER	LOZIER	FLEXRX
NEW	RX4	REFRIGERATOR	1	NEBRASKA FURNITURE MART	AMANA	ABB2221FEW
NEW	RX6	BLOOD PRESSURE MACHINE	1	LIFECLINIC AKA SENTRY HEALTH MONITORS	SENTRY HEALTH MONITORS	LC300



EQUIPMENT PLAN PHARMACY
2 SCALE: 1/8" = 1'-0"



ENLARGED EQUIPMENT PLAN KITCHEN/ITALIAN/ASIAN/SUSHI
1 SCALE: 1/8" = 1'-0"

REFER TO EQUIPMENT BOOKLET FOR ADDITIONAL INFORMATION

REVISION		DATE BY
2	ASI #2	1/8/21
3	ASI #3	1/22/21

LOCATION:
LEE'S SUMMIT #2 HY-VEE
LEE'S SUMMIT, MO

Hy-Vee® EMPLOYEE OWNED
HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

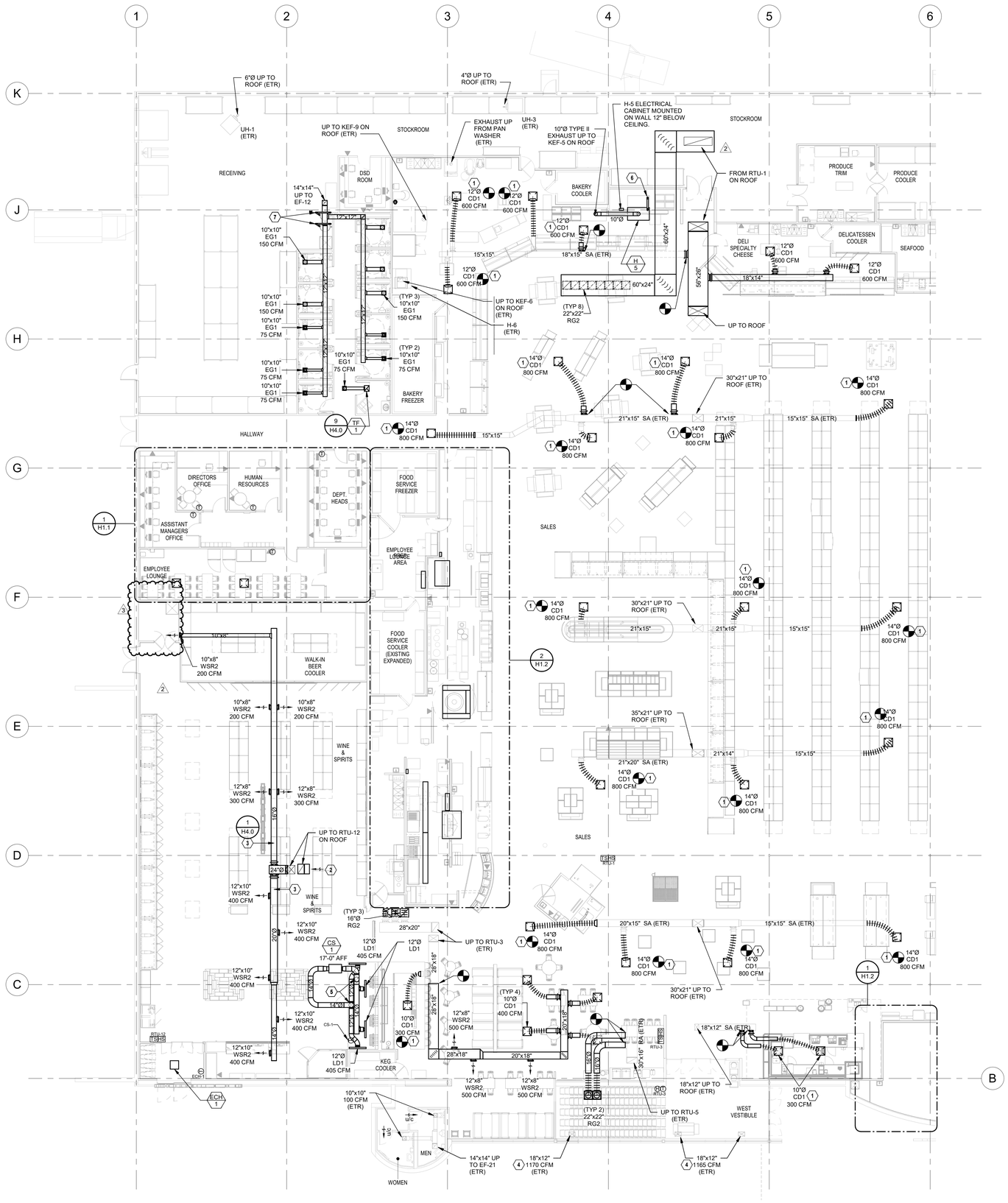
NORTH PLAN NORTH

ENLARGED EQUIPMENT PLAN

DRAWN:	DATE:
Author	MAY 2017
SCALE: 1/8" = 1'-0"	JOB NUMBER:

SHEET: EQ1.2

BIM 360://Hy-Vee Lee's Summit #2/Lees Summit 2_Equipment_R20.rvt



1 HVAC FLOOR PLAN - A
3/32" = 1'-0"

GENERAL NOTES:

1. TRANSITION VERTICAL DUCTWORK AS REQUIRED TO MATCH RTU CONNECTION SIZES.
2. TRANSITION VERTICAL DUCTWORK AS REQUIRED TO MATCH EXHAUST FAN CONNECTION SIZES.
3. ROUTE EXPOSED DUCTWORK TIGHT TO STRUCTURE EXCEPT WHERE NOTED ON PLAN. COORDINATE INSTALLATION HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
4. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
5. INSTALLED LINED RETURN AIR BOOT ON TRANSFER AIR GRILLES LOCATED IN PUBLIC VIEW. BOOT SHALL BE FULL SIZE OF GRILLE OPENING.
6. NO DUCTWORK MAY BE SUPPORTED FROM THE ROOF DECK. REFER TO SPECIFICATIONS FOR HANGER REQUIREMENTS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND ELEVATIONS.
8. REFER TO H4.0 FOR ALL DETAILS.

MECHANICAL PLAN NOTES

1. PROVIDE NEW DIFFUSER COORDINATED IN NEW CEILING GRID. CONNECT DIFFUSER TO EXISTING DUCTWORK
2. PROVIDE FULL SIZE RETURN DUCT DOWN AND ELBOW 36" HORIZONTAL FROM UNIT TIGHT TO STRUCTURE WITH DUCT LINER FOR SOUND ATTENUATION AND 3/4" WIRE MESH SCREEN ON INLET.
3. ROUTE DUCT LEVEL AND TIGHT TO STRUCTURE.
4. BALANCE EXISTING REGISTER TO NEW CFM SHOWN.
5. ROUTE DUCT DOWN TIGHT TO CEILING BELOW.
6. PROVIDE 3" STAINLESS STEEL STEAM VENT, DISCHARGE UNDER HOOD.
7. PROVIDE COMBINATION CONCENTRIC INTAKE VENT AND EXHAUST FLUE FROM UNIT UP THROUGH ROOF AND TERMINATE WITH SAME MANUFACTURER'S TERMINATION KIT IN COMPLIANCE WITH LOCAL CODE AND MINIMUM 10'-0" SEPARATION FROM ALL AIR INTAKES. REFER TO SPECIFICATIONS AND MFR. REQUIREMENTS FOR APPROVED FLUE AND INTAKE MATERIALS FOR UNIT OPERATING TEMPERATURE.

NOTE:
ALL DUCTWORK/DAMPERS/TAPS SHOWN ON SALES FLOOR ARE EXISTING TO REMAIN. REPLACE EXISTING DIFFUSERS IN NEW CEILING GRID. DUCT SIZES SHOWN ARE MINIMUM, CONTRACTOR SHALL FIELD VERIFY SIZES AND NOTIFY ENGINEER IF INSUFFICIENT.

REVISION		DATE BY
2	ASI #2	01/07/21
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
PROFESSIONAL ENGINEER

Jan 26 2021
JOSHUA N. HOVER
LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

hyvee EMPLOYEE OWNED

NORTH PLAN NORTH

HVAC FLOOR PLAN - PART A

PROJECT MANAGER	CHECKED BY:
SL	Checker
DRAWN BY:	DATE:
MLJ	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
H1.0A

JOSHUA N. HOVER
1/26/2021 8:55:09 AM

GENERAL NOTES:

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3. ROUTE EXPOSED DUCTWORK TIGHT TO STRUCTURE EXCEPT WHERE NOTED ON PLAN. COORDINATE INSTALLATION HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
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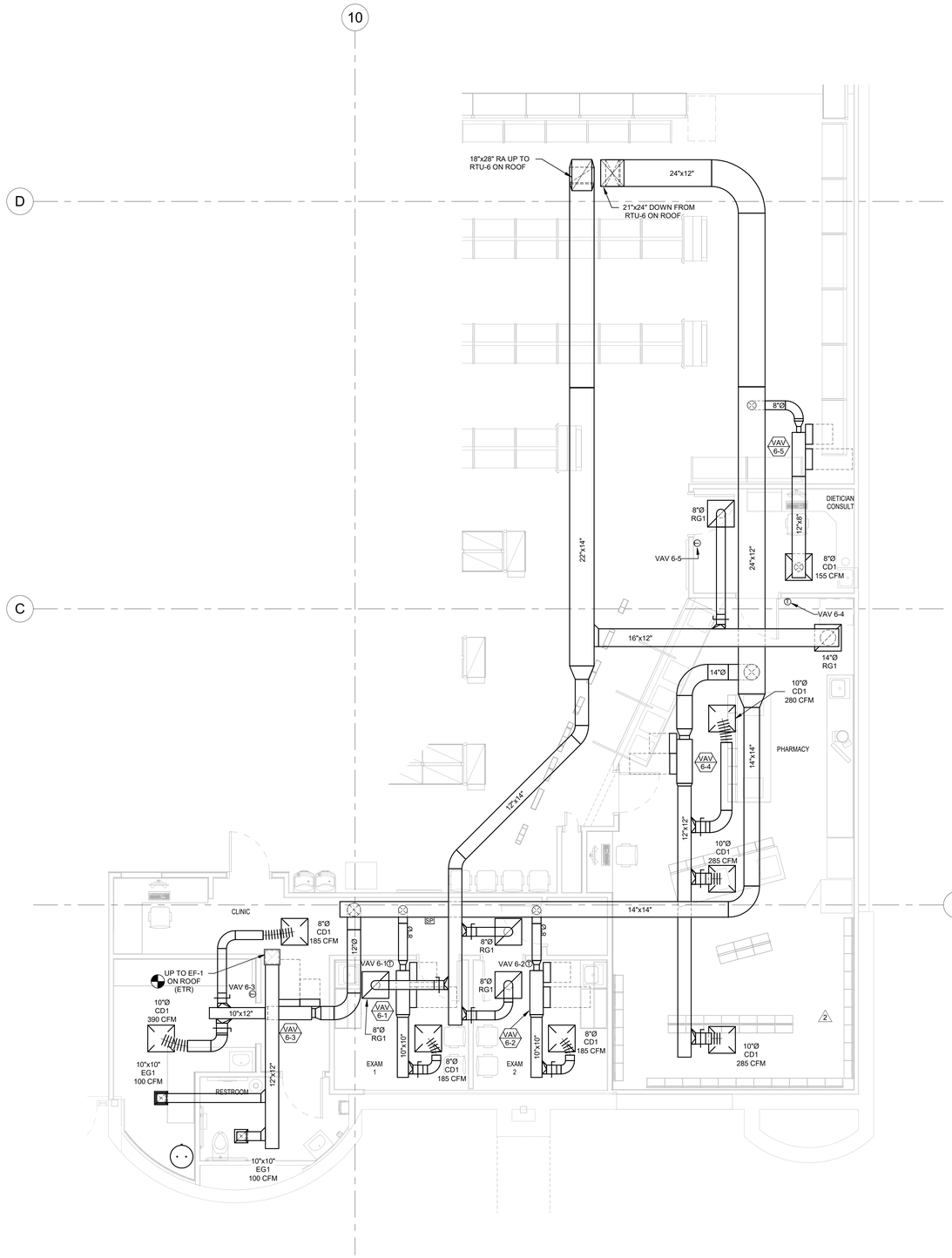
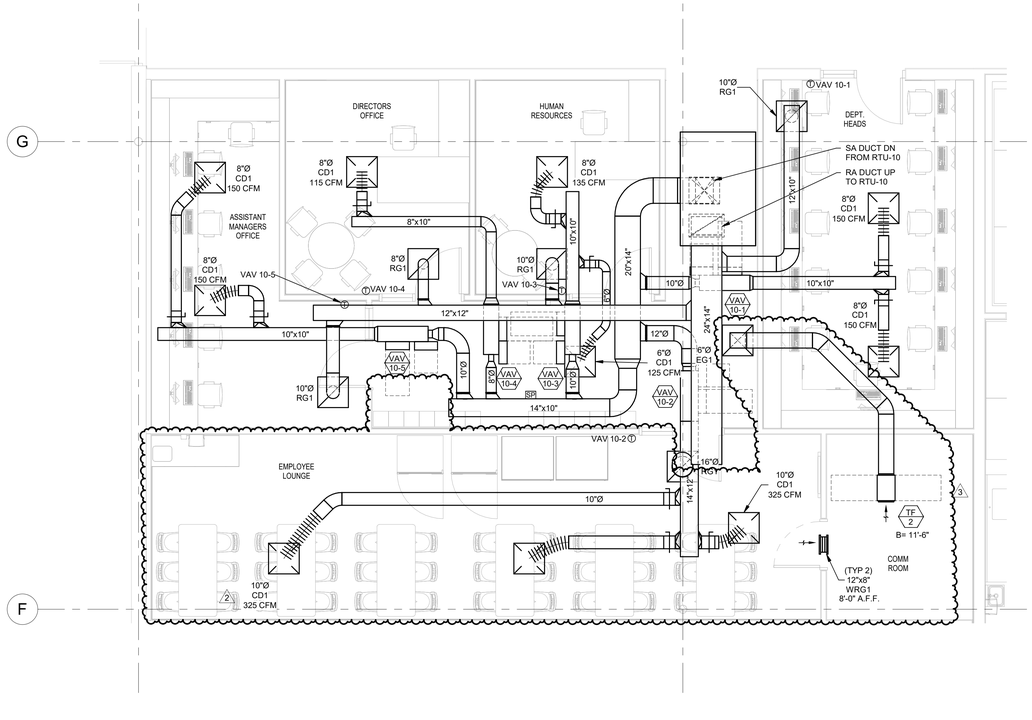
7. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND ELEVATIONS.
8. REFER TO H4.0 FOR ALL DETAILS.



2 HVAC ENLARGED PHARMACY PLAN
1/4" = 1'-0"



1 HVAC ENLARGED OFFICE PLAN
1/4" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/07/21
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
PROFESSIONAL ENGINEER

Jan 26 2021
JOSHUA N. HOVER
LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

HVAC ENLARGED PLANS

PROJECT MANAGER	CHECKED BY:
SL	Checker
DRAWN BY:	DATE:
Author	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
H1.1

JOSHUA N. HOVER
1/26/2021 8:55:18 AM

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	STYLE	BORDER	INLET SIZE (IN)	FACE SIZE (IN)	DAMPER NEEDED	MATERIAL	COLOR	NOTES
CD1	TITUS	TMS	LOUVERED	LAY-IN	SEE DWGS.	24"x24"	NO	STEEL	SEE NOTE	A-E
CD2	TITUS	PAR	PERFORATED FACE	LAY-IN	SEE DWGS.	24"x24"	NO	ALUMINUM	WHITE	A,B,D,E
EG1	TITUS	PAR	PERFORATED FACE	LAY-IN	SEE DWGS.	12"x12"	NO	ALUMINUM	WHITE	A,D,E
LD-1	TITUS	ML	LINEAR	-	SEE DWGS.	-	NO	STEEL	SEE NOTE	A,B,D,F
RG1	TITUS	TMS	LOUVERED	LAY-IN	SEE DWGS.	24"x24"	NO	STEEL	SEE NOTE	A,C,D,E
RG2	TITUS	50F	LOUVERED	LAY-IN	SEE DWGS.	24"x24"	NO	STEEL	SEE NOTE	A,C,D,E
RG3	TITUS	TMS	LOUVERED	LAY-IN	SEE DWGS.	24"x12"	NO	STEEL	SEE NOTE	A,C,D,E
WSR2	TITUS	300	DOUBLE DEFLECTION	-	SEE DWGS.	SEE DWGS.	YES	STEEL	SEE NOTE	A,B
WRG1	TITUS	350RL	DOUBLE DEFLECTION	-	SEE DWGS.	SEE DWGS.	NO	STEEL	SEE NOTE	A,B

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. CONTRACTOR TO DETERMINE PROPER BORDER STYLE TO MATCH CEILING/WALL TYPE. COORDINATE WITH ARCHITECTURAL RELECTED CEILING/WALL PLAN.
B. BRANCH DUCT TO DIFFUSERS SHALL BE AT THE SAME SIZE AS THE DIFFUSER NECK, UNLESS SHOWN OTHERWISE.
C. DIFFUSERS IN THE MARKET GRILLE AND CASUAL DINING ARE TO BE COLOR MATCHED TO THE CEILING ELEMENT.
D. PROVIDE DIFFUSERS, REGISTERS, AND GRILLES WITH NO EXPOSED MOUNTING SCREWS.
E. CONTRACTOR SHALL PROVIDE REMOTE CABLE OPERATING VOLUME DAMPER WHERE HARD CEILING RESTRICTS ACCESS TO DAMPER.
F. PROVIDE LINEAR DIFFUSER WITH (2) 1" SLOTS, 5" TOTAL WIDTH, AND 4'-0" TOTAL LENGTH. PROVIDE WITH INSULATED PLENUM TO MATCH.

ROOFTOP UNIT SCHEDULE (DX COOLING, NATURAL GAS HEAT)

MARK	MANUFACTURER	MODEL	SERVICE	NOMINAL TONS	SUPPLY FAN CFM	SUPPLY FAN ESP (IN)	SUPPLY FAN NOM HP	COOLING COIL TH (MBH)	SH (MBH)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	REFR TYPE	MIN EFF (EER)	HEAT EXCHANGER MIN OUT (MBH)	NOM INPUT (MBH)	EAT (°F DB)	LAT (°F DB)	MIN O/A CFM	ELECTRICAL V/PH	MCA	MOCP	DISC TYPE	WEIGHT (LBS)	NOTES
RTU-1	SEASONS 4	VA065 / 1HJI33-0676-TN10.-17HG	SALES SOUTH	65	17,000	1.0	15	813.93	407.208	78.9	67.6	56.9	51.9	410A	10.7	800	1000	48.5	90	6000	208/3	354	400	MFR	12100	A-N
RTU-2	SEASONS 4	VA065 / 1HJI33-0676-TN10.-17HG	SALES NORTH	65	17,000	1.0	15	813.93	407.208	78.9	67.6	56.9	51.9	410A	10.7	800	1000	48.5	90	6000	208/3	354	400	MFR	12100	A-N, P
RTU-6	YORK	ZJ078S12E2B6HCD2E2	PHARMACY	6.5	1,950	0.6	1.5	68.8	45.5	80.0	67.0	56.6	54.6	410A	13.9	96	120	62.7	101	250	208/3	44.6	50	MFR	1225	A-M, Q, R, S
RTU-9	YORK	ZJ120S18P2A6HCA2E1	KITCHEN	10	3,200	0.6	2	114.3	80.2	80.0	67.0	56.8	55.6	410A	12.7	144	180	70	111.5	0	208/3	58.9	70	MFR	1305	A-J, L-M, Q, S
RTU-10	YORK	ZJ078S12E2B6HCD2E2	OFFICES	6.5	1,950	0.6	1.5	70.5	47.8	80.0	67.0	57.3	55.4	410A	13.9	96	120	60.9	102.3	200	208/3	44.6	50	MFR	1225	A-M, Q, R, S
RTU-11	YORK	ZR120S18P2A6HCA2E1	AOL/CUSTOMER SERVICE	10	3,200	0.6	2	102.5	75.5	75.4	63.3	54.0	52.3	410A	12.7	144	180	67.6	109.1	125	208/3	44.6	50	MFR	1225	A-M, O-Q, S
RTU-12	YORK	ZR120S18P2A6HCA2E1	WINE & SPIRIT	10	3,200	0.6	2	114.3	80.2	80.0	67.0	56.8	55.6	410A	12.7	144	180	70	111.5	0	208/3	58.9	70	MFR	1305	A-J, L-M, O, P, S

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. PROVIDE WITH UNIT MOUNTED CONTROLLER WITH BACNET INTERFACE.
B. SUPPLY AIR EXTERNAL PRESSURE INCLUDES AN ALLOWANCE FOR DIRTY FILTERS.
C. EQUIPMENT SIZED AT 100F AMBIENT TEMPERATURE.
D. PROVIDE DOWNFLOW DISCHARGE UNIT.
E. PROVIDE GUARDS TO PROTECT CONDENSER COIL FROM HAIL OR OTHER DAMAGE.
F. PROVIDE UNIT WITH FACTORY MOUNTED RETURN AIR SMOKE DETECTOR.
G. PROVIDE FACTORY MOUNTED DISCONNECT INSTALLED ON SERVICE SIDE OF UNIT.
H. STARTERS FOR ALL MOTORS SHALL BE FURNISHED INTEGRAL WITH UNIT.
J. PROVIDE UNIT WITH POWERED CONVENIENCE OUTLET.
K. PROVIED MOTOR OPERATED OUTSIDE AIR DAMPER.
L PROVIDE STAINLESS STEEL DRAIN PAN WITH UNIT.
M. PROVIDE STAINLESS STEEL HEAT EXCHANGER WITH UNIT.
N. PROVIDE UNIT WITH MODULATING NATURAL GAS FURNACE.
P. PROVIDE HOT GAS REHEAT WITH UNIT.
Q. PROVIDE UNIT WITH SINGLE ENTHALPY ECONOMIZER AND BARAMETRIC RELIEF WITH UNIT.
R. UNIT SHALL HAVE VAV CONTROLLER WITH VFD.
S. PROVIDE UNIT WITH S CLIPS FOR TIE-DOWN.

ELECTRIC CEILING HEATER SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	AIRFLOW (CFM)	SIZE (L" x W")	ELECTRICAL INPUT (W)	VOLTS	MOTOR PH	DISCONNECT BY	NOTES
ECH-1	WINE & SPIRIT	GRAINGER	2YU39	300	23.75" x 23.75"	4000	208	1	MFR	A-C

NOTES:
A. PROVIDE WITH WALL MOUNTED LINE VOLTAGE THERMOSTAT AND LOCKABLE COVER.
B. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES AND INSTALL PER MANUFACTURER REQUIREMENTS.
C. COLOR SHALL BE WHITE.

KITCHEN EXHAUST HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	HOOD CLASSIFICATION	SERVICE	HOOD DIMENSIONS (IN) (L x W x H)	EXHAUST RISER QTY	CONNECTION SIZE	CFM	APD (IN W.C.)	FRONT MAKE-UP AIR PLENUM QTY	OVERALL LENGTH (IN)	WIDTH (IN)	CONNECTION SIZE (EA.)	CFM	APD (IN W.C.)	FILTERS QTY	HEIGHT (IN)	LENGTH (IN)	TYPE	LIGHTS QTY	TYPE	FIRE SUPPRESSION	UTILITY CABINET LOCATION	WEIGHT (LBS)	COOKING TEMP (°F)	STAINLESS STEEL BACKSPLASH	NOTES
PSP-1A	CAPTIVE AIRE	146 MISC-PSP	SUPPLY PLENUM	KITCHEN	-	-	-	-	-	8	144	14	12" DIA	255	0.083	-	-	-	-	-	-	-	-	102	300	M.C.	J
PSP-1B	CAPTIVE AIRE	146 MISC-PSP	SUPPLY PLENUM	KITCHEN	-	-	-	-	-	8	144	14	12" DIA	255	0.083	-	-	-	-	-	-	-	-	102	300	M.C.	J
H-2	CAPTIVE AIRE	6630 NDI-PSP-FB	TYPE I - GREASE	BBQ	66" x 66" x 30"	1	20" DIA	3025	0.831	8	79	14	12" DIA	226 / 282	0.066 / 0.1	8	20	16	CAPTRATE SOLO	6	LED	YES	RIGHT	857	400	M.C.	A-H
H-4	CAPTIVE AIRE	4218 SND-2	TYPE I - GREASE	PIZZA	72" x 42" x 18"	1	12" DIA	1050	0.514	-	-	-	-	-	-	4	16	16	CAPTRATE SOLO	2	LED	YES	RIGHT	252	450	M.C.	A-H
H-5	CAPTIVE AIRE	3624 VHB-ND	TYPE II - HEAT	BAKERY DECK OVEN	62" x 36" x 24"	1	10" DIA	600	0.073	-	-	-	-	-	-	-	-	-	CAPTRATE SOLO	2	LED	NO	WALL	217	700	M.C.	C
H-8	CAPTIVE AIRE	5430 ND-2WI	TYPE I - GREASE	ROTISSERIE	78" x 54" x 30"	1	14" DIA	1788	0.843	-	-	-	-	-	-	4	20	16	CAPTRATE SOLO	2	LED	YES	WALL	383	450	M.C.	A-H

NOTES:

A. UTILITY CABINET SHALL BE BY HOOD MANUFACTURER. SUPPRESSION SYSTEM SHALL BE FURNISHED AND INSTALLED BY IOWA FIRE EQUIPMENT COMPANY.
B. HOOD SUPPLIER SHALL FURNISH HOOD WITH UL LISTED BAFFLE-TYPE GREASE FILTERS, GREASE DRAIN WITH REMOVABLE CUP, AND UL LISTED LED LIGHT FIXTURES.
C. HOOD SUPPLIER SHALL FURNISH STAINLESS STEEL ENCLOSURE PANELS FROM TOP OF HOOD TO FINISH CEILING AND 3 INCH STANDOFF FROM WALL AS REQUIRED.
D. HOOD SUPPLIER SHALL FACTORY INSTALL THE HOOD CONTROL PACKAGE IN THE HOOD UTILITY CABINET.
E. PROVIDE INTERLOCK KIT WITH ONE TEMPERATURE SENSOR PER GREASE EXHAUST COLLAR TO MEET IMC REQUIREMENTS.
F. MOUNT BOTTOM OF HOOD AT 6'-8" ABOVE FINISHED FLOOR.
G. IOWA FIRE EQUIPMENT COMPANY SHALL FURNISH AUTOMATIC SOLENOID GAS SHUT-OFF VALVE TO BE INSTALLED BY PLUMBING CONTRACTOR.
H. PROVIDE COMPLETE CAPTIVE AIRE THERMOSTATIC ELECTRICAL PACKAGE TO CONTROL FAN WITH DUCT TEMPERATURE SENSOR. RECESSED HMI, AND ENCLOSURE.
J. HOOD IS EXISTING TO REMAIN. HOOD SUPPLIER IS TO PROVIDE NEW MAKEUP AIR PLENUM FOR FRONT OF EXISTING HOOD.

UNIT HEATER SCHEDULE (EXISTING TO REMAIN)

MARK	MANUFACTURER	MODEL	SERVICE	HEATING INPUT (MBH)	ELECTRICAL VOLTS	PHASE	NOTES
UH 1	MODINE	PV250A-63	DOCK AREA	250	115	1	A
UH 2	MODINE	PV125A-30	BACKROOM	125	115	1	A
UH 3	MODINE	PV125A-30	BACKROOM	125	115	1	A

NOTES:
A. SCHEDULED EQUIPMENT IS EXISTING TO REMAIN AND SHOWN FOR REFERENCE ONLY.

MAKEUP AIR UNIT SCHEDULE (DX COOLING, NATURAL GAS HEAT)

MARK	MANUFACTURER	MODEL	SERVICE	CFM	ESP (IN)	NOM HP	DX COOLING COIL TH (MBH)	SH (MBH)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	REFR TYPE	GAS HEAT EXCHANGER MIN OUT (MBH)	NOM INPUT (MBH)	MIN EFF (%)	TEMP RISE (°F)	ELECTRICAL V/PH	DISC BY	STARTER BY	WEIGHT (LBS)	NOTES
MAU-1	CAPTIVE AIRE	A2-D.500-20D-MPU	MAIN COOKLINE	4080	0.5	5	120	71.2	95	78	77.8	70.4	R-410A	327.4	355.9	92	80	208/3	MFR	MFR	1672	A-H
MAU-2	CAPTIVE AIRE	A2-D.250-20D-MPU	BBQ	2269	0.5	1.5	90	40.7	95	78	77.3	67.5	R-410A	182	197	92	80	208/3	MRF	MRF	1560	A-H

NOTES:

A. UNIT SHALL INCLUDE PACKAGED CONTROLS.
B. PROVIDE UNIT WITH VERTICAL SUPPLY AIR DUCT DISCHARGE THRU UNIT CURB.
C. PROVIDE UNIT WITH GFCI CONVENIENCE OUTLET FOR FIELD WIRING.
D. PROVIDE INLET HOOD WITH CLEANABLE ALUMINUM MESH FILTERS.
E. PROVIDE UNIT WTH MOTORIZED INTAKE DAMPERS.
F. PROVIDE FREEZESTAT IN THE SUPPLY AIR DUCT TO SHUT DOWN THE SUPPLY FAN AND CLOSE THE OUTDOOR AIR DAMPER IF TEMPERATURE IN THE SUPPLY DUCT DROPS BELOW 40 DEGREES FAHRENHEIT.
G. PROVIDE WITH DISCHARGE DUCT SENSOR WITH MODULATING OR STAGED COOLING AND HEATING CAPABILITIES AS REQUIRED FOR OPERATION OF CONTROLS.
H. PROVIDE WITH FULL PERIMETER CURB & TIE DOWN CLIPS.

FAN SCHEDULE

MARK	SERVICE DESCRIPTION	MANUFACTURER	MODEL	TYPE	CFM	ESP (IN)	BHP	NOM HP	FAN RPM	DRIVE (BELT/DIRECT)	BACKDRAFT DAMPER	CURB	CONTROLS	ELECTRICAL VOLTS	PH	DISC BY	START BY	WEIGHT (LBS)	NOTES
KEF-1A	MAIN COOKLINE	CAPTIVE AIRE	DU180HFA	UPBLAST	2625	1.0	0.7070	2	1144	DIRECT	NO	MFR 24"	BY HOOD MFR	208	3	MFR	MFR	178	B,C
KEF-1B	MAIN COOKLINE	CAPTIVE AIRE	DU180HFA	UPBLAST	1835	1.0	0.4750	1	1017	DIRECT	NO	MFR 24"	BY HOOD MFR	208	3	MFR	MFR	170	B,C
KEF-2	BBQ	CAPTIVE AIRE	DU180HFA	UPBLAST	3025	1.0	0.8940	1.5	1198	DIRECT	NO	MFR 24"	BY HOOD MFR	208	3	MFR	MFR	196	B,C
KEF-3	WOK	CAPTIVE AIRE	DU240HFA	UPBLAST	2850	1.0	0.9770	2.00	715	DIRECT	NO	MFR 24"	BY HOOD MFR	208	3	MFR	MFR	353	B,C
KEF-4	PIZZA	CAPTIVE AIRE	DU50HFA	UPBLAST	1050	0.75	0.276	0.50	1362	DIRECT	NO	MFR 24"	BY HOOD MFR	115	1	MFR	MFR	86	B,C
KEF-5	BAKERY DECK OVEN	CAPTIVE AIRE	DU33HFA	UPBLAST	600	0.375	0.119	0.33	1220	DIRECT	NO	MFR 24"	BY HOOD MFR	115	1	MFR	MFR	67	D,E
KEF-8	ROTISSERIE	CAPTIVE AIRE	DU180HFA	UPBLAST	1788	1.00	0.464	1.00	1011	DIRECT	NO	MFR 24"	BY HOOD MFR	208	3	MFR	MFR	158	B,C
EF-12	REAR RESTROOMS	GREENHECK	G-123-VG	DOWNBLAST	1125	1.00	0.3	0.50	1492	DIRECT	YES	MFR 24"	BREAKER BY EC	115	1	MFR	MFR	46	F,G,H
TF 1	MOTHERS	GREENHECK	SP-B90	CEILING TRANSFER	75	0.25	-	-	700	DIRECT	NO	MFR 12"	BREAKER BY EC	120	1	MFR	MFR	80	F,G,H
TF 2	COMM RM	GREENHECK	BCF-106	INLINE TRANSFER	450	0.3	-	-	1475	BELT	NO	-	THERMOSTAT BY MC	120	1	MFR	MFR	80	F,G,H

NOTES:

A. PROVIDE MOTORIZED BACKDRAFT DAMPER WIRED TO OPEN WHEN FAN OPERATES. FAN SHALL HAVE A SINGLE POWER CONNECTION FOR FAN AND DAMPER.
B. PROVIDE HINGED ROOF CURB.
C. PROVIDE GREASE COLLECTION SYSTEM.
D. PROVIDE GRAVITY BACKDRAFT DAMPER.
E. PROVIDE BIRDSCREEN.
F. FAN SHALL BE CONTROLLED VIA THERMOSTAT LOCATED IN SPACE SERVED.
G. INSTALL FAN AT SERVICEABLE HEIGHT.
H. SUSPEND FAN USING SPRIGN VIBRATION ISOLATION SUPPORT.

VARIABLE AIR VOLUME TERMINAL SCHEDULE (ELECTRIC HEAT)

MARK	SERVED FROM	ZONE SERVED	MANUFACTURER	MODEL	INLET SIZE (IN)	PRIMARY CFM	MIN PRIM CFM	MIN HEAT CFM	MAX HEAT CFM	HEATING COIL EAT	LAT	MBH	KW	STEPS	V	PH	NOTES
VAV 10-1	RTU-10	Dept Heads	TITUS	DESV	6	300	105	110	N/A	55	98.1	5.1	1.5	1	208	1	A-F
VAV 10-2	RTU-10	Employee Lounge	TITUS	DESV	10	975	245	300	N/A	55	91.9	11.9	3.5	2	208	1	A-F
VAV 10-3	RTU-10	Human Resources / Employee Hall	TITUS	DESV	5	235	155	155	N/A	55	95.8	6.8	2.0	2	208	1	A-F
VAV 10-4	RTU-10	Directors Office	TITUS	DESV	4	115	60	110	N/A	55	98.1	5.1	1.5	1	208	1	A-F
VAV 10-5	RTU-10	Asst Mgrs Office	TITUS	DESV	6	300	75	145	180	55	90.1	6.8	2.0	2	208	1	A-F
VAV 6-1	RTU-6	Exam 1	TITUS	DESV	5	185	60	110	N/A	55	98.1	5.1	1.5	1	208	1	A-F
VAV 6-2	RTU-6	Exam 2	TITUS	DESV	5	185	60	110	N/A	55	98.1	5.1	1.5	1	208	1	A-F
VAV 6-3	RTU-6	Clinic reception / Lab and Hall / RR	TITUS	DESV	8	575	115	190	N/A	55	96.6	8.5	2.5	2	208	1	A-F
VAV 6-4	RTU-6	Pharmacy	TITUS	DESV	10	850	510	510	N/A	55	92.2	20.5	6.0	3	208	1	A-F
VAV 6-5	RTU-6	Dietician	TITUS	DESV	4	155	55	110	N/A	55	98.1	5.1	1.5	1	208	1	A-F

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:
A. CONTROLS SHALL BE FIELD MOUNTED BY ATC.
B. RADIATED AND DISCHARGE NOISE LEVELS SHALL NOT EXCEED AN NC OF 35 AT A PRESSURE DROP OF 1.0" W.C. PER ARI STANDARD 880.
C. TOTAL TERMINAL UNIT AIR PRESSURE DROP SHALL NOT EXCEED 0.5" W.C. AT PEAK COOLING AIRFLOW.
D. INSTALL FLEXIBLE DUCT CONNECTOR AT INLET CONNECTION.
E. PROVIDED FACTORY INSTALLED CONTROL POWER (CP) TRANSFORMER.COORDINATE PRIMARY POWER WITH ELECTRICAL DRAWINGS.
F. INLET SIZE SHOWN IS THE MINIMUM ALLOWABLE INLET SIZE. NO SMALLER SIZES SHALL BE ACCEPTED.

CELLAR SYSTEM SCHEDULE

MARK	SERVICE DESCRIPTION	MANUFACTURER	MODEL	CONFIGURATION	NOMINAL CAPACITY (MBH)	INDOOR UNIT AIRFLOW (CFM)	TSP (IN W.C.)	ELECTRICAL MCA	VOLTS	PH	DISCONNECT BY	NOTES
CS-1	WINE CELLAR	US CELLAR SYSTEMS	HS-87	HORIZONTAL	12	810	1.00	2.1	120	1	E.C.	A-D

NOTES:

A. UNIT WILL BE FURNISHED BY OWNER AND INSTALLED BY REFRIGERATION CONTRACTOR. SHEET METAL PROVIDED BY M.C. AND CONTROLS BY T.C.
B. UNIT WILL BE FURNISHED WITH 10" ROUND DUCT COLLARS ON THE INLET AND OUTLET OF UNIT.
C. UNIT WILL BE FURNISHED WITH AUTOMATIC EXPANSION VALVE.
D. REFRIGERATION CONTRACTOR TO PROVIDE R-448A REFRIGERANT FOR CS-1 CAPACITY.

FAN SCHEDULE (EXISTING TO REMAIN)

MARK	SERVICE DESCRIPTION	MANUFACTURER	MOUNTING	MODEL	TYPE	CFM	ESP (IN)	NOM HP	FAN RPM	DRIVE (BELT/DIRECT)	ELECTRICAL V/PH	NOTES
EF-1	CLINIC RESTROOMS	COOK	ROOF	100ACEH	DOWNBLAST	200	-	0.125	1550	ETR	115/1	A, B
EF-5	SEAFOOD	COOK	ROOF	135VCR	UPBLAST	450	0.6	0.333	1725	ETR	115/1	A
EF-21	DINING RESTROOMS	COOK	ROOF	70ACE70C2B	DOWNBLAST	200	0.4	0.167	1725	ETR	115/1	A

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. SCHEDULED EQUIPMENT IS EXISTING TO REMAIN AND SHOWN FOR REFERENCE ONLY.
B. SET FAN TO CFM AT LOWEST STABLE CONDITION.

ROOFTOP UNIT SCHEDULE (EXISTING TO REMAIN)

MARK	MANUFACTURER	MODEL	SERVICE	NOMINAL TONS	SUPPLY FAN CFM	COOLING COIL TC (MBH)	REFR TYPE	HEAT EXCHANGER MIN OUT (MBH)	NOM INPUT (MBH)	MIN O/A CFM	ELECTRICAL V/PH	MCA	MOCP	NOTES
RTU-3	LENNOX	LGH102	DINING	8.5	3,400	ETR	R-410	ETR	180	0	208/3	ETR	ETR	A-D
RTU-4	YORK	ZR120	EXIT VESTIBULE	10	3,500	ETR	R-410	ETR	240	0	208/3	ETR	ETR	A-D
RTU-5	YORK	ZR120	ENTRY VESTIBULE	10	3,500	ETR	R-410	ETR	240	0	208/3	ETR	ETR	A-D
RTU-7	LENNOX	LGA090	DAIRY	7.5	2,640	ETR	R-410	ETR	235	0	208/3	ETR	ETR	A-D
RTU-8	LENNOX	KGA092	FROZEN	7.5	2,400	ETR	R-410	ETR	180	0	208/3	ETR	ETR	A-D

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE...

NOTES:

A. REFER TO ROOFTOP UNIT CONTROL MATRIX FOR CONTROL FEATURES, MODULES, AND ACCESSORIES THAT SHALL BE PROVIDED WITH THE EQUIPMENT.
B. PROVIDE NEW FILTERS FOR EXISTING AIR HANDLING EQUIPMENT PRIOR TO STARTUP OF EQUIPMENT. NEW FILTERS SHALL BE COMPATIBLE WITH THE EXISTING EQUIPMENT AND EQUAL IN PERFORMANCE TO THE EXISTING FILTERS AT NEW CONDITION UNLESS OTHERWISE NOTED.
C. CONTRACTOR SHALL FIELD VERIFY THAT THE EXISTING UNIT INCLUDING ITS ACCESSORIES BEING RESUSED IS NOT DAMAGED AND IS IN GOOD WORKING ORDER. REPORT ANY DEFICIENCIES TO THE OWNER OR ARCHITECT. CONTRACTOR SHALL SUBMIT TO THE OWNER AND ARCHITECT A WRITTEN REPORT DESCRIBING TESTS PERFORMED TO VERIFY OPERATION AND RESULTS OF THE TESTS.
D. CONTRACTOR SHALL VERIFY EXISTENCE OF SMOKE DETECTORS IN RETURN AIR DUCT. REPAIR OR REPLACE SMOKE DETECTORS IF NOT FUNCTIONAL SUCH THAT UNIT SHUTS DOWN UPON DETECTION OF SMOKE.

UNIT HEATER SCHEDULE (NATURAL GAS)

MARK	MANUFACTURER	MODEL	SERVICE	CFM	HEATING INPUT (MBH)	OUTPUT (MBH)	MIN EFF (%)	GAS PRESSURE (IN W.C.)	ELECTRICAL VOLTS	PHASE	DISCONNECT BY	STARTER BY	NOTES
UH-4	MODINE	PDP-175	ELECTRICAL ROOM	2550	175	143.5	82	7-14"	115	1	MFR	N/A	A-C

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. DDC THERMOSTAT PROVIDED BY ATC.
B. INSTALL THERMOSTAT IN AN ACCESSIBLE LOCATION.
C. PROVIDE NECESSARY MOUNTING AND ACCESSORIES AND INSTALL PER MANUFACTURER REQUIREMENTS.

BUILDING AIR BALANCE SCHEDULE

EXHAUST:	SERVES			EXHAUST (CFM)	TOTALS (CFM)
KEF-1A	H-1	MAIN COOKLINE		2625	
KEF-1B	H-1	MAIN COOKLINE		1835	
KEF-2	H-2	BBQ		3025	
KEF-3	H-3	WOK		2850	
KEF-4	H-4	PIZZA		1050	
KEF-5	H-5	BAKERY DECK OVEN*		600	
KEF-6 (ETR)	H-6	DONUT FRYER*		675	
KEF-7 (ETR)	H-7	DISHWASHER		1050	
KEF-8	H-8	ROTISSERIE		1788	
KEF-9 (ETR)		BAKERY RACK OVEN		900	
EF-1 (ETR)		CLINIC RESTROOMS		200	
EF-5 (ETR)		SEAFOOD DEPARTMENT		450	
EF-12		REAR RESTROOMS		1125	
EF-21 (ETR)		DINING RESTROOMS		200	
TOTAL EXHAUST					17,098

MAKEUP AIR:	SUPPLY AIR (CFM)	SERVES	DESIGN OA (CFM)	PERCENT OA/SA	TOTALS (CFM)
MAU-1	4080	MAIN COOKLINE	4080	100%	
MAU-2	2269	WOK/BBQ	2269	100%	
RTU-1	17000	SALES SOUTH	6000	35%	
RTU-2	17000	SALES NORTH	6000	35%	
RTU-3 (ETR)	4000	DINING	0	0%	
RTU-4 (ETR)	3,500	EXIT VESTIBULE	0	0%	
RTU-5 (ETR)	3,500	ENTRY VESTIBULE	0	0%	
RTU-6	1,950	PHARMACY	250	13%	
RTU-7 (ETR)	2,640	DAIRY	0	0%	
RTU-8 (ETR)	2,400	FROZEN	0	0%	
RTU-9	3,200	KITCHEN	0	0%	
RTU-10	1,950	OFFICES	200	10%	
RTU-11	3,000	AOL / CS	125	4%	
RTU-12	3,200	WINE & SPIRIT	0	0%	
TOTAL OUTSIDE AIR			18,924		18,924
		TOTAL POSITIVE AIR FLOW			1,826
		PERCENT POSITIVE AIR FLOW			10%

* = DIVERSITY OF EQUIPMENT DURING OCCUPIED HOURS. EQUIPMENT WILL NOT BE ON AT THE SAME TIME AS KITCHEN.

REVISION	DATE BY
2 ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL
STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
PROFESSIONAL ENGINEER
Jan 8 2021
JOSHUA N. HOVER
LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935
Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

HVAC SCHEDULES

PROJECT MANAGER	CHECKED BY:
SL	Checker
DRAWN BY: JSG	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

SHEET:
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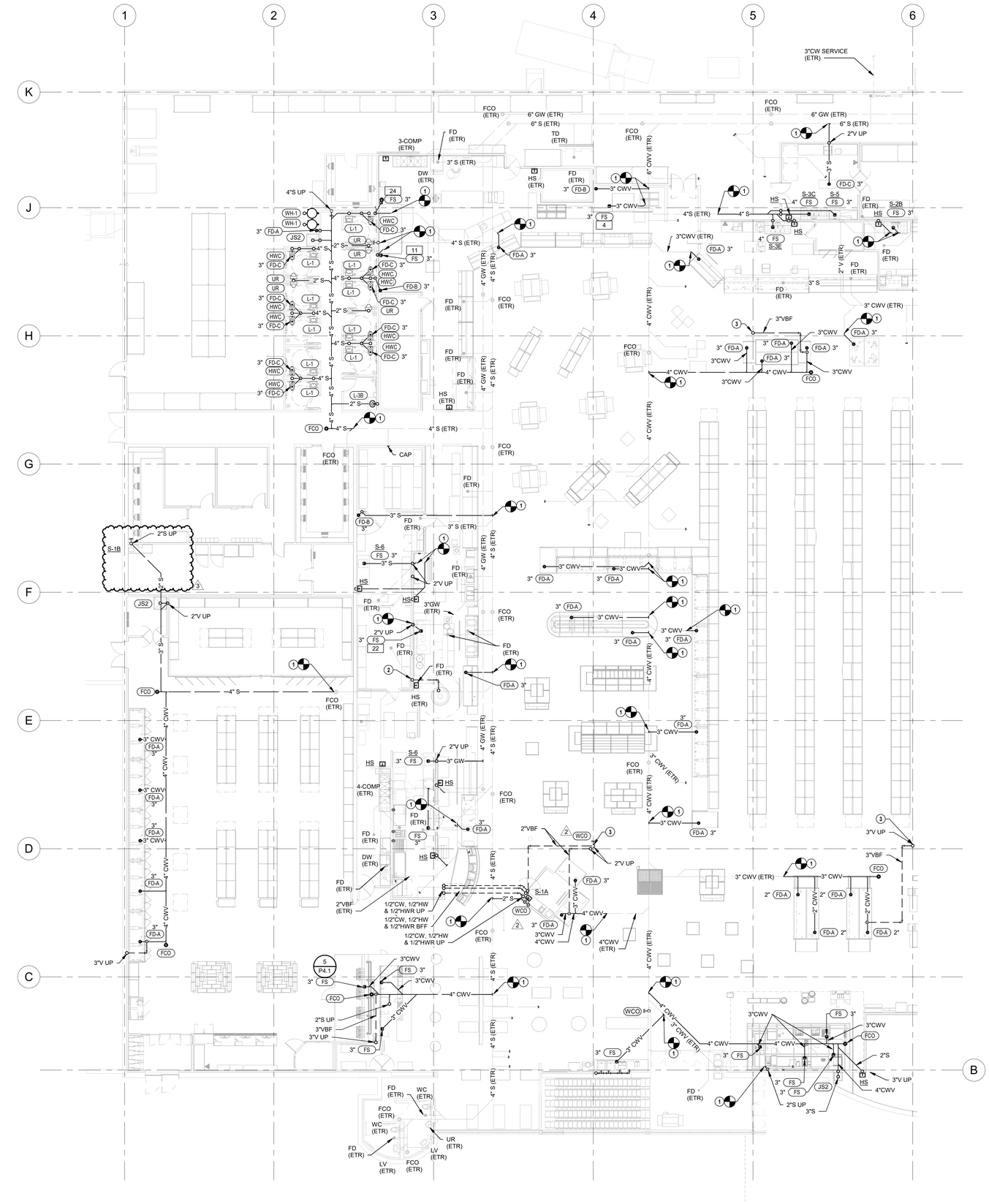

1 UNDERFLOOR PLUMBING PLAN - A
3/32" = 1'-0"

PLUMBING GENERAL NOTES

1. FURNISH AND INSTALL PLUMBING SYSTEMS IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES.
2. ALL FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS OUTLETS AND BRANCH SANITARY ARE 3" UNLESS NOTED OTHERWISE.
3. ALL FLOOR CLEANOUTS ARE TO BE ACCESSIBLE AND NOT BENEATH MILLWORK, CASEWORK, SHELVES OTHER OBSTRUCTIONS. CLEANOUTS SHALL BE THE SAME SIZE AS PIPING BEING SERVED AND AT THE TRANSITION OF PIPE SIZE.
4. COORDINATE UNDERFLOOR PIPING ROUTING WITH REFRIGERATION AND ELECTRCIAL CONTRACTORS.

PLUMBING PLAN NOTES

1. CONNECT NEW SANITARY/GREASE WASTE PIPING INTO EXISTING PIPING. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT PRIOR TO START OF WORK.
2. ROUTE 1"G PIPE UNDERFLOOR IN 4" CONDUIT.
3. ROUTE VENT PIPING TIGHT TO COLUMN.

REVISION		DATE BY
2	ASI #2	01/07/21
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
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PROFESSIONAL SEAL

STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
PROFESSIONAL ENGINEER

Jan 26 2021
JOSHUA N. HOVER
LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee EMPLOYEE OWNED

NORTH PLAN NORTH

UNDERFLOOR PLUMBING PLAN - A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
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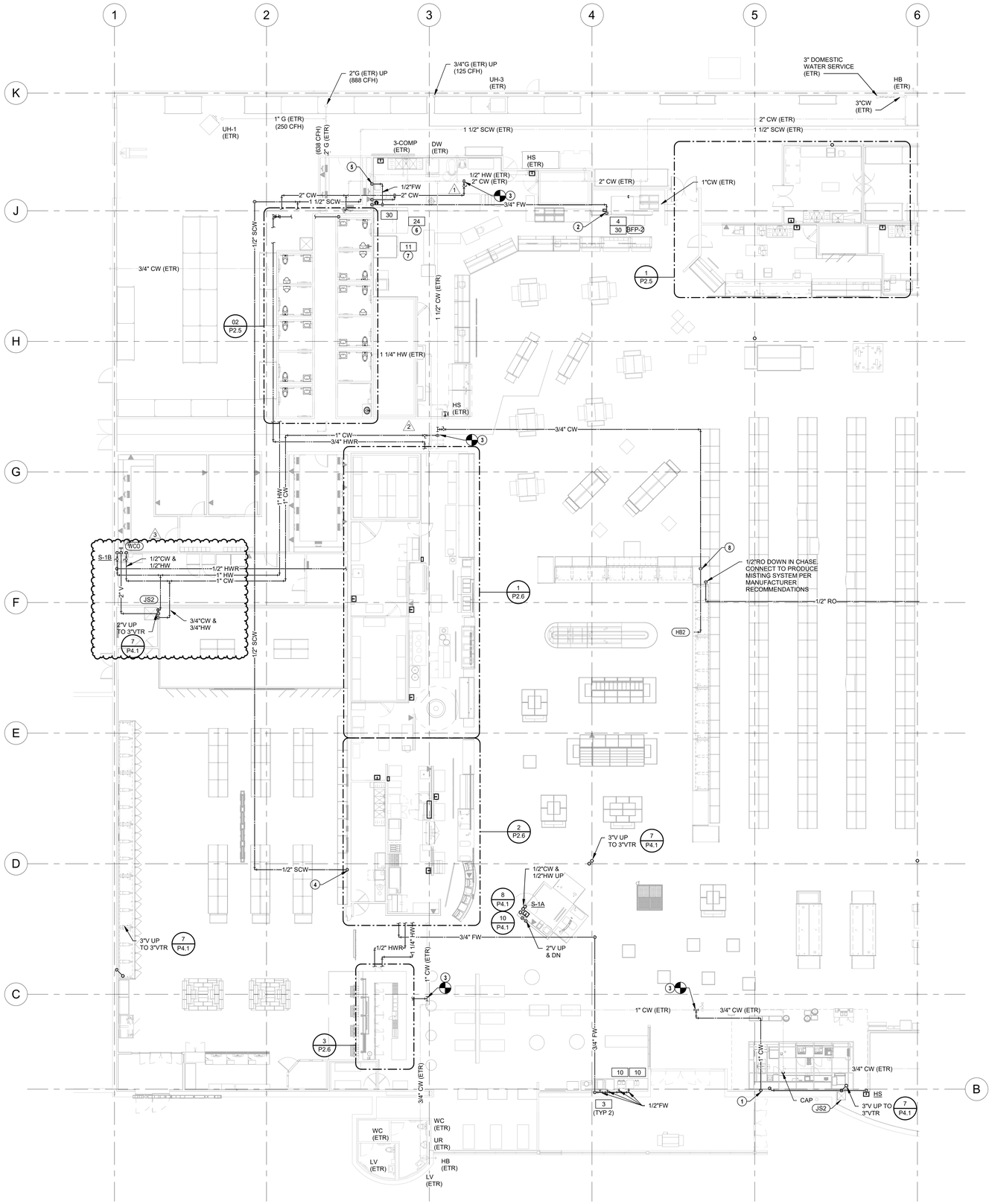

1 PLUMBING FLOOR PLAN - A
3/32" = 1'-0"

PLUMBING GENERAL NOTES

1. FURNISH AND INSTALL PLUMBING SYSTEMS IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES.
2. ALL FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS OUTLETS AND BRANCH SANITARY ARE 3" UNLESS NOTED OTHERWISE.
3. ALL FLOOR CLEANOUTS ARE TO BE ACCESSIBLE AND NOT BENEATH MILLWORK, CASEWORK, SHELVES OTHER OBSTRUCTIONS. CLEANOUTS SHALL BE THE SAME SIZE AS PIPING BEING SERVED AND AT THE TRANSITION OF PIPE SIZE.
4. COORDINATE UNDERFLOOR PIPING ROUTING WITH REFRIGERATION AND ELECTRCIAL CONTRACTORS.
5. ROUTE BRANCH PIPING 12" ABOVE THE ACCESSIBLE CEILING.

PLUMBING PLAN NOTES

1. 1"CW DOWN IN WALL TO STARBUCKS KIOSK. ROUTE IN WALL TO EACH FIXTURE AND CONNECT PER STARBUCKS STANDARDS.
2. ROUTE 3/4" FW DOWN IN WALL AND CONNECT TO OVEN. PROVIDE FLEXIBLE COPPER TUBING FROM WALL TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. PROVIDE ESCUTCHEON AT WALL.
3. CONNECT NEW DOMESTIC WATER PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
4. 1/2"SCW DOWN. CONNECT 1/2"CW TO HUMIDOR PER MANUFACTURER'S RECOMMENDATIONS.
5. ROUTE 1/2"FW TO BAKERY WATER METER AND CONNECT PER MANUFACTURER'S RECOMMENDATIONS.
6. CONNECT NEW BAKERY OVEN TO EXISTING WATER AND GAS PIPING AS FIELD CONDITIONS REQUIRE AND PER MANUFACTURER'S RECOMMENDATIONS.
7. CONNECT NEW PROOFER TO EXISTING WATER PIPING AS FIELD CONDITIONS REQUIRE AND PER MANUFACTURER'S RECOMMENDATIONS.
8. ROUTE CW PIPING ON TOP OF CASE. INSTALL AND SECURELY FASTEN HB2 IN CENTER OF CASE ARRANGEMENT.

REVISION		DATE BY
1	ASI #1	11/13/20
2	ASI #2	01/07/21
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
PROFESSIONAL ENGINEER

Jan 26 2021
JOSHUA N. HOVER
LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee EMPLOYEE OWNED

NORTH PLAN NORTH

PLUMBING FLOOR PLAN - A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:

P2.0A

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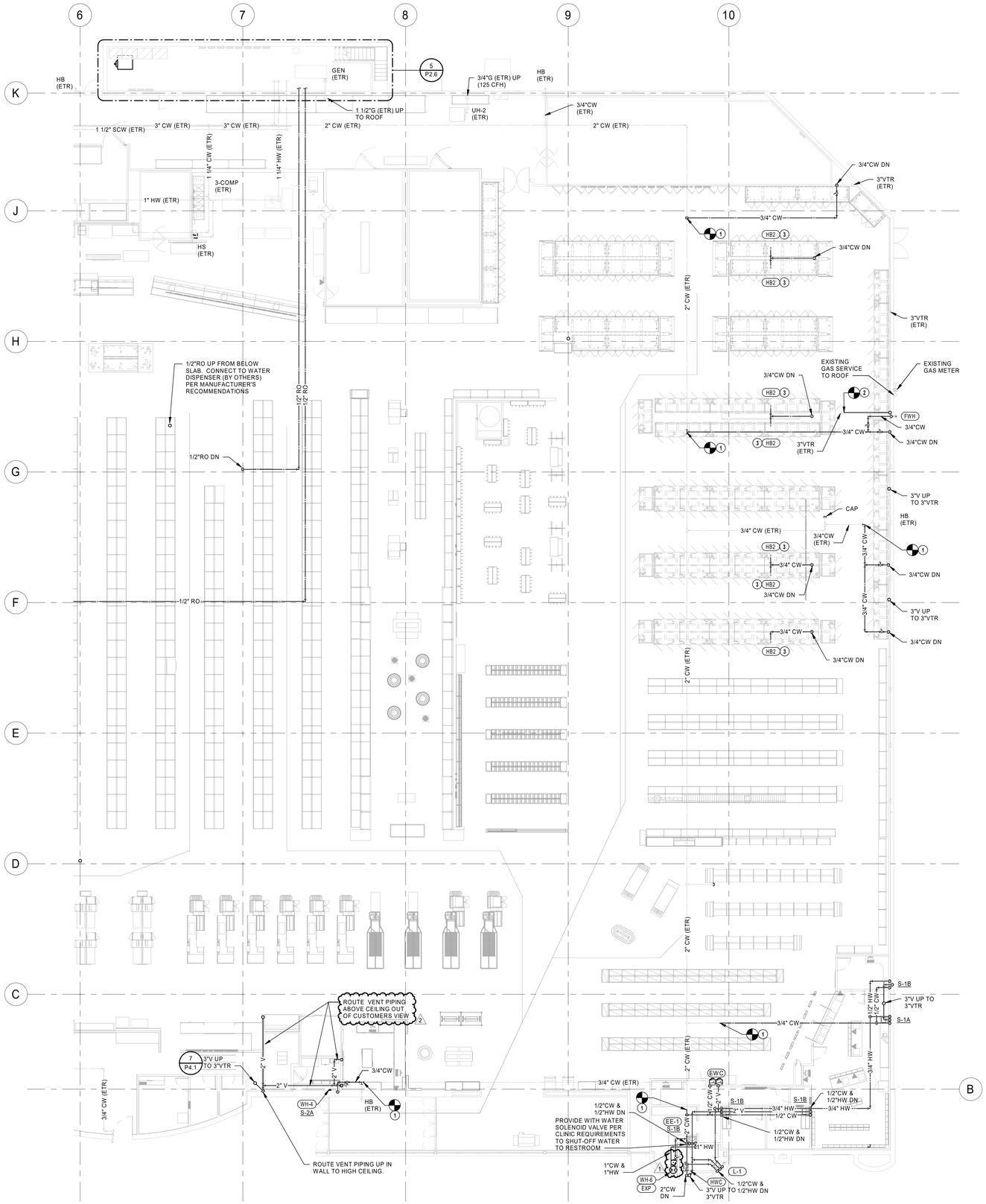
1/26/2021 8:55:50 AM



1 PLUMBING FLOOR PLAN - B
3/32" = 1'-0"

PLUMBING GENERAL NOTES

1. FURNISH AND INSTALL PLUMBING SYSTEMS IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES.
2. ALL FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS OUTLETS AND BRANCH SANITARY ARE 3" UNLESS NOTED OTHERWISE.
3. ALL FLOOR CLEANOUTS ARE TO BE ACCESSIBLE AND NOT BENEATH MILLWORK, CASEWORK, SHELVES OTHER OBSTRUCTIONS. CLEANOUTS SHALL BE THE SAME SIZE AS PIPING BEING SERVED AND AT THE TRANSITION OF PIPE SIZE.
4. COORDINATE UNDERFLOOR PIPING ROUTING WITH REFRIGERATION AND ELECTRCIAL CONTRACTORS.
5. ROUTE BRANCH PIPING 12" ABOVE THE ACCESSIBLE CEILING.

PLUMBING PLAN NOTES

1 CONNECT NEW DOMESTIC WATER PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.

2 CONNECT NEW VENT PIPING INTO EXISTING VTR. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.

3 ROUTE CW PIPING ON TOP OF CASE. INSTALL AND SECURELY FASTEN HB2 IN CENTER OF CASE ARRANGEMENT.

REVISION		DATE BY
1	ASI #1	11/13/20
2	ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
PROFESSIONAL ENGINEER

Jan 8 2021
JOSHUA N. HOVER
LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

hyvee® EMPLOYEE OWNED

NORTH PLAN NORTH

PLUMBING FLOOR PLAN - B

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:

P2.0B

JOSHUA N. HOVER

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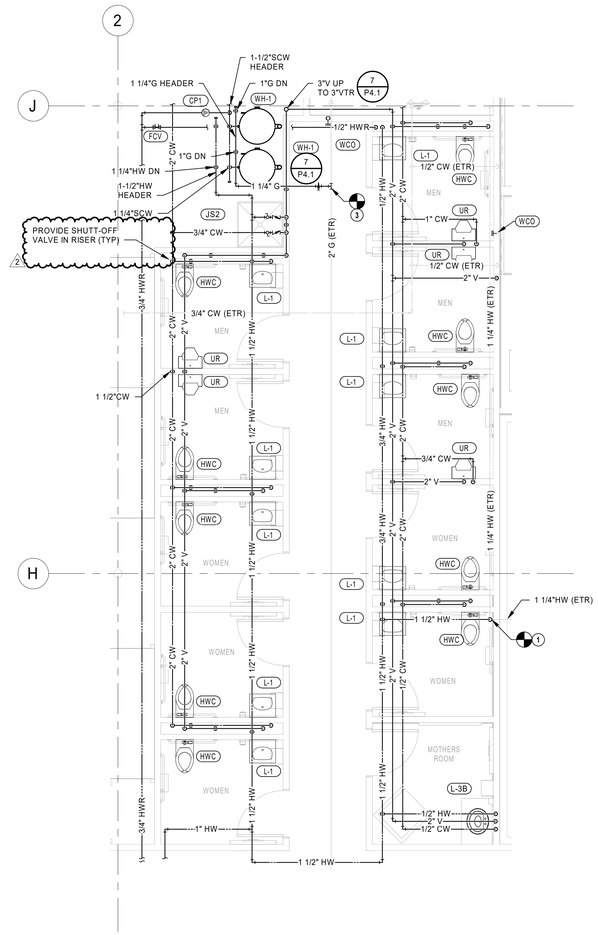
PLUMBING GENERAL NOTES

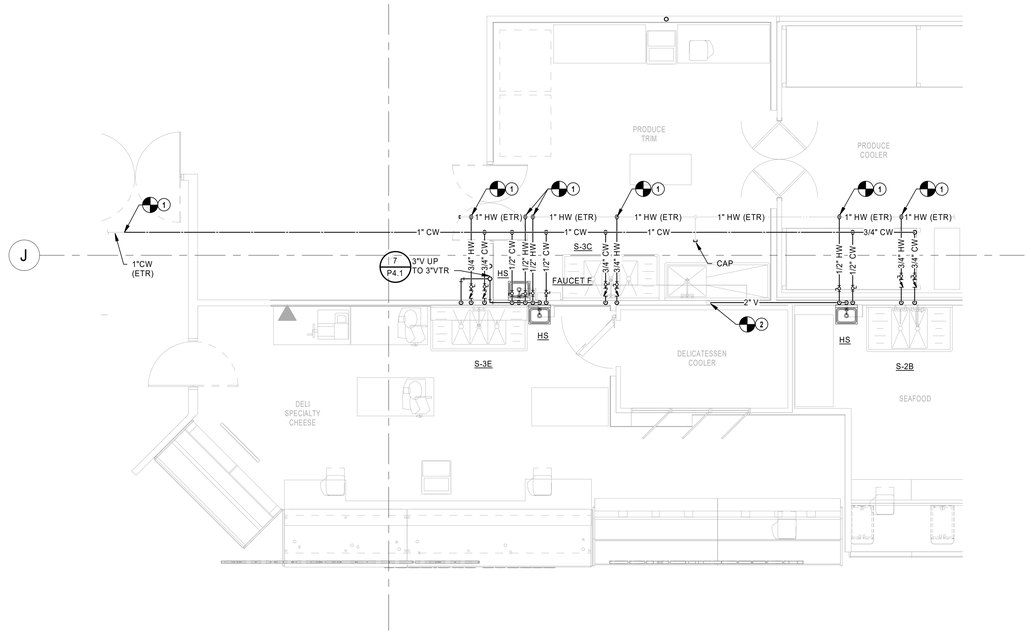
1. AVOID ROUTING IN EXTERIOR WALLS WHERE POSSIBLE. ALL PIPING TO BE ON THE WARM SIDE OF THE WALL INSULATION TO PROTECT AGAINST FREEZING.
2. INSTALL ISOLATION VALVES IN ALL FIXTURE BRANCHES AND UNDERFLOOR BRANCH PIPING. ENSURE VALVES ARE INSTALLED IN AN ACCESSIBLE LOCATION.
3. VERIFY LOCATION OF ALL EQUIPMENT REQUIRING PLUMBING (APPLIANCES, PLUMBING FIXTURES, HVAC, ETC.) PRIOR TO ROUGHING IN ANY PIPING.
4. PROVIDE BACKFLOW PREVENTERS THROUGHOUT STORE ONLY WHERE REQUIRED BY LOCAL AND STATE CODES. SEE BACKFLOW PREVENTER SPECIFICATIONS ON SHEET P0.0 AND "CROSS CONNECTION & BACKFLOW PREVENTER SCHEDULE" ON SHEET P4.0.
5. INSTALL ISOLATION VALVES ON THE INLET AND OUTLET ON ALL POINT OF USE WATER FILTERS.
6. COORDINATE PIPE ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
7. ALL BACKFLOW PREVENTERS INSTALLED IN FOOD PREPARATION AREA MUST HAVE FABRICATED, CLEANABLE, STAINLESS STEEL COVERS.
8. ALL INDIRECT DRAIN LINES MUST BE INSTALLED +/- 6" A.F.F. AND NOT SUPPORTED FROM THE FLOOR.

PLUMBING PLAN NOTES

1 CONNECT NEW DOMESTIC WATER PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
2 CONNECT NEW VENT PIPING TO EXISTING VENT PIPING AS FIELD CONDITIONS REQUIRE. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO START OF WORK.
3 CONNECT NEW GAS PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.



02 ENLARGED PLUMBING FLOOR PLANS - RESTROOMS
1/4" = 1'-0"



1 ENLARGED PLUMBING FLOOR PLANS - DELI
1/4" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

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TELEPHONE: (515) 267-2800
FAX: (515) 267-2955

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

PLUMBING ENLARGED PLANS

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
P2.5

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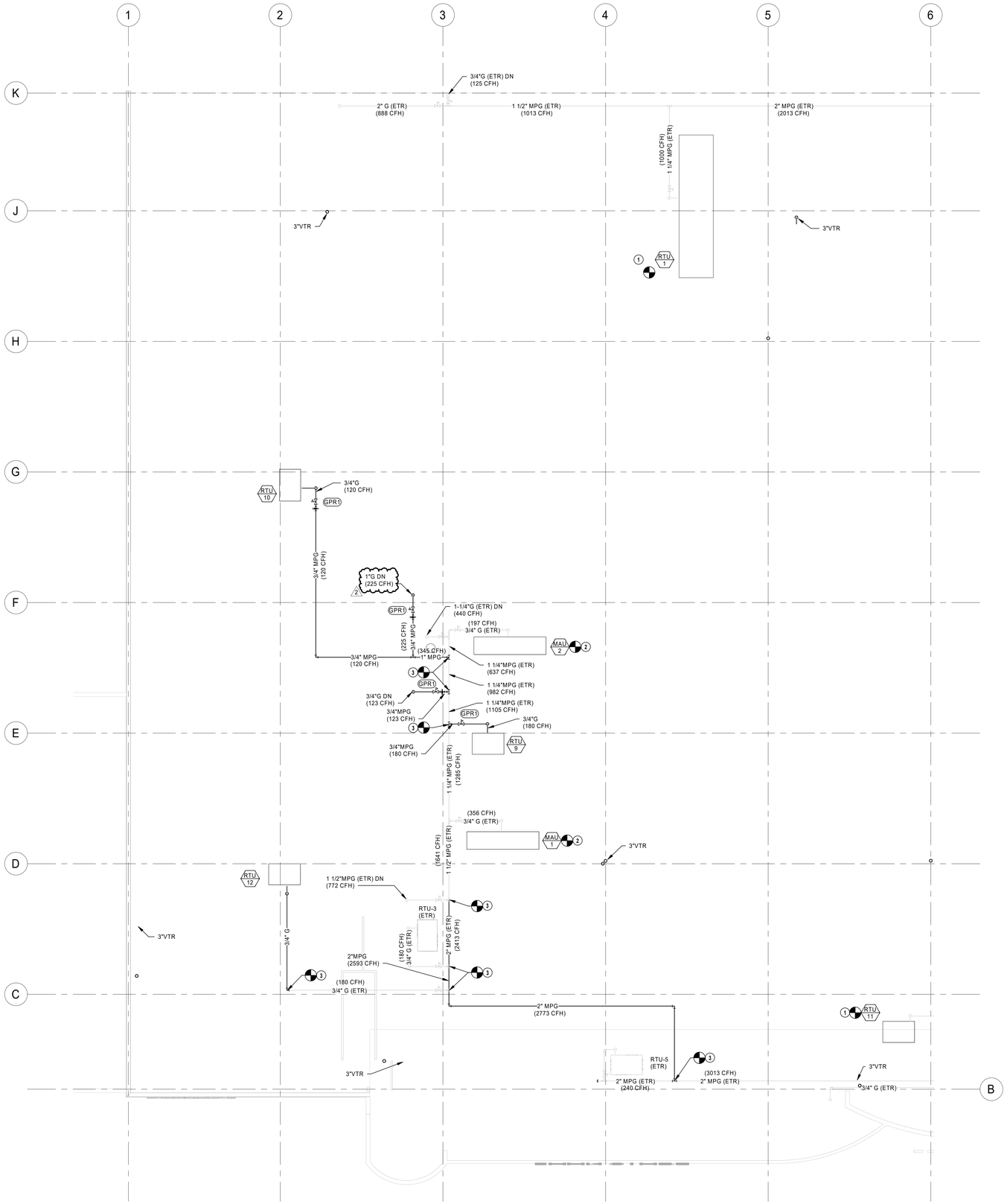

1 PLUMBING ROOF PLAN - A
3/32" = 1'-0"

PLUMBING PLAN NOTES

1. CONNECT NEW ROOFTOP UNIT TO EXISTING GAS PIPING AS FIELD CONDITIONS REQUIRE.
2. CONNECT NEW MAKE-UP AIR UNIT TO EXISTING GAS PIPING AS FIELD CONDITIONS REQUIRE.
3. CONNECT NEW GAS PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.

REVISION	DATE BY
2 ASI #2	01/08/21

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HY-VEE, INC.
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TELEPHONE: (515) 267-2800
FAX: (515) 267-2930
EMPLOYEE OWNED

NORTH PLAN NORTH

PLUMBING ROOF PLAN - A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
P3.0A

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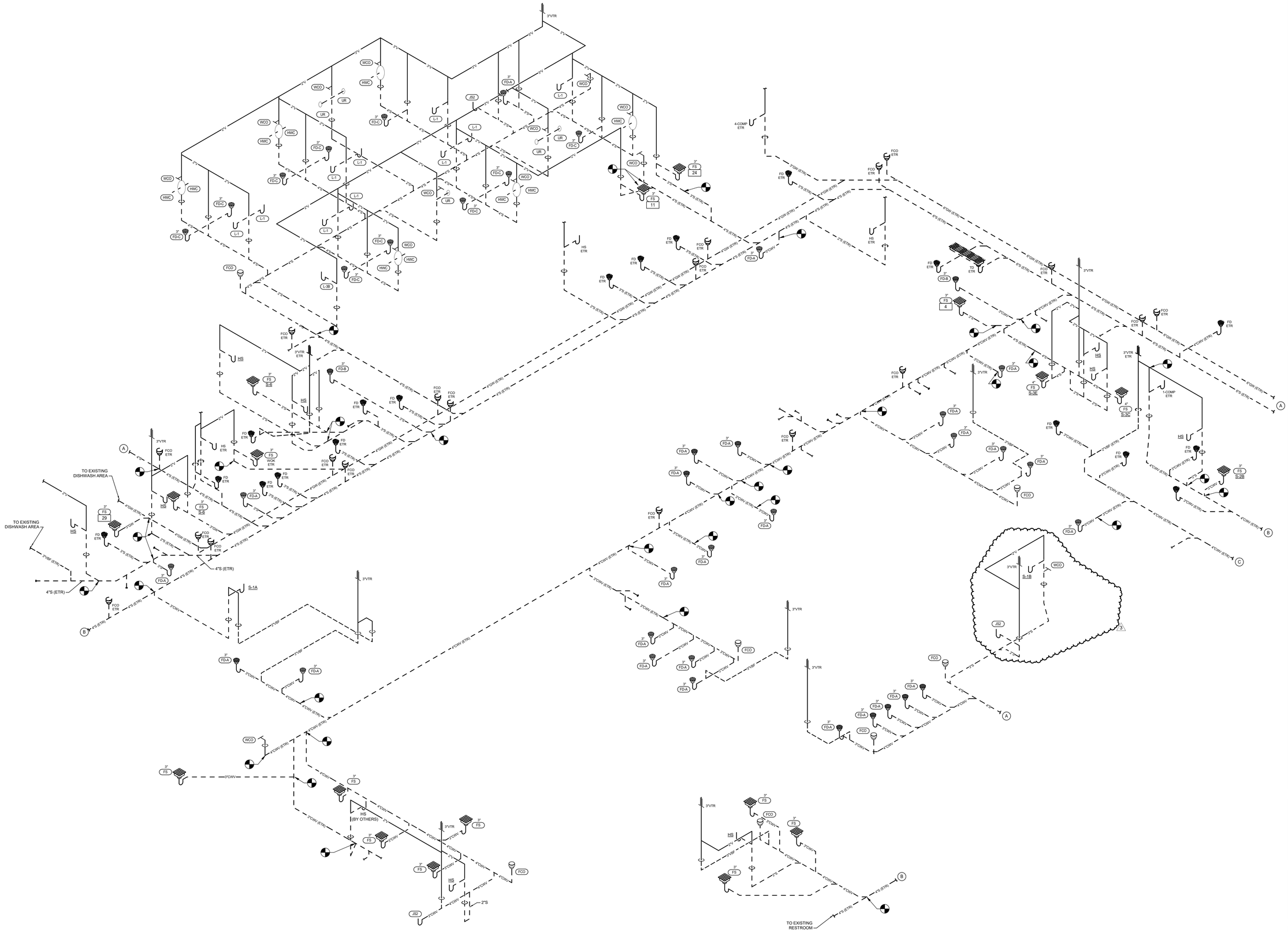

1 WASTE AND VENT RISER DIAGRAM - A
NTS

REVISION		DATE BY
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
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1950003081
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

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Jan 26 2021
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FAX: (515) 267-2935

hyvee EMPLOYEE OWNED

NORTH PLAN NORTH

WASTE & VENT RISER DIAGRAM - A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
P5.0

JOSHUA N. HOVER
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Short-Circuit and Voltage Drop Calculations

Distances are for calculation purposes only and shall not be used for contractor takeoffs nor bidding - Contractor shall notify Engineer of any field condition that results in a change of 10% or greater circuit distance

The following calculations are based on the "Point-by-Point" method where:

ISC (2) = ISC(1) x M(1) M= 1/(1+f)

ISC (1) = short circuit current at fault point 1

ISC (2) = short circuit current at fault point 2

Feeder: f (3Ø) = 1.732 x L x Isc / C x E

Feeder: f (1Ø)= 2 x L x Isc / C x E

XFMR: f (3Ø) = IP(sca)x Vp x 1.73 x %Z / 100,000 x KVA

XFMR: f (1Ø)= IP(sca)x Vp x %Z / 100,000 x KVA

IS(sca)= Vp x M x IP(sca) / Vs

VOLTAGE DROP (3Ø):
%VD= ((R x cos(arccos(pf)) + X x sin (arccos(pf))) x L/# x I x 1.73) / E

VOLTAGE DROP (1Ø):
%VD= ((R x cos(arccos(pf)) + X x sin(arccos(pf))) x 2 x L/# x I) / E

IP = Primary short circuit current
Vp = Primary voltage
IS= Secondary short circuit current
Vs= Secondary voltage
L = Length of circuit E = Line to line volts
C = "C" Factor from Bussman table where "C" = 1 / impedance per linear foot
Feeder Types =
NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-in Busway, TX - Transformer

%VD CUM= Cumulative Voltage Drop from Fault Point 1 to Fault Point #
R= resistance in ohms per LF
X= reactances in ohms per LF

Date of Calculations: 09/25/2020
System Voltage: 208Y/120V - 3 phase

Fault Point (F#)	Bus/Feeder Description	Source (Fault Point)	Phase	Source Isc (amps)	Feeder: Conduit Type/ TX	Feeder: Material	Feeder: Quantity of Parallel Sets and Bus/ Phase & Neutral Size	Conductor 'C' Value	Busway 'C' Value	L-L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Conductor: Resistance (R)	Conductor: Reactance (X)	Conductor: Arccos (pf) (Radians)	Transformer: Type	Transformer: Degree Rise	Transformer: kVA	Transformer: New Xfmr Z	Transformer: Existing Xfmr Z	Transformer: Secondary Voltage	Transformer: Tap Setting	f	M	Fault Current (amps)	Voltage Drop (%VD)	Cumulative Voltage Drop (%VD)	Fault Point (F#)
1	Utility Service Point			79,902	at the secondary of the utility transformer																			Source Isc + 6X Motor Contribution =		85902			1
	Motor Contribution			1,000	The connected full load motor amps (includes compressors) on the system																								
2	MDP1	1	3	85902	M	CU	8 Set(s) of 500 kcmil	22185	--	208	75	0.9	2500	0.000029	0.000048	0.451027								0.302	0.77	65963	-0.92%	-0.92%	2
3	W	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	165	0.95	199	0.000063	0.000051	0.317560								6.009	0.14	9411	-2.07%	-2.99%	3
4	G	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	20	0.9	34	0.000063	0.000051	0.451027								0.728	0.58	38164	-0.04%	-0.96%	4
5	E	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	175	0.9	139	0.000063	0.000051	0.451027								6.373	0.14	8946	-1.60%	-2.52%	5
6	H	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	20	0.9	142	0.000063	0.000051	0.451027								0.728	0.58	38164	-0.19%	-1.10%	6
7	X	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	165	0.9	120	0.000063	0.000051	0.451027								6.009	0.14	9411	-1.30%	-2.22%	7
8	C	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	20	0.9	50	0.000063	0.000051	0.451027								0.728	0.58	38164	-0.07%	-0.98%	8
9	F	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	170	0.9	100	0.000063	0.000051	0.451027								6.191	0.14	9172	-1.12%	-2.04%	9
10	J	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	25	0.9	58	0.000063	0.000051	0.451027								0.910	0.52	34527	-0.10%	-1.01%	10
11	VV	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	175	0.9	158	0.000063	0.000051	0.451027								6.373	0.14	8946	-1.82%	-2.74%	11
12	P	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	25	0.9	107	0.000063	0.000051	0.451027								0.910	0.52	34527	-0.18%	-1.09%	12
13	V	2	3	65963	M	CU	2 Set(s) of 3/0 AWG	12844	--	208	170	0.9	148	0.000079	0.000052	0.451027								3.635	0.22	14231	-0.98%	-1.90%	13
14	N	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	390	0.9	50	0.000063	0.000051	0.451027								14.204	0.07	4339	-1.28%	-2.20%	14
15	B	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	10	0.95	111	0.000063	0.000051	0.317560								0.364	0.73	48353	-0.07%	-0.99%	15
16	U	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	340	0.9	90	0.000063	0.000051	0.451027								12.383	0.07	4929	-2.01%	-2.93%	16
17	D	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	10	0.95	168	0.000063	0.000051	0.317560								0.364	0.73	48353	-0.11%	-1.02%	17
18	BB	2	3	65963	M	CU	1 Set(s) of 1 AWG	7293	--	208	385	0.9	50	0.000160	0.000057	0.451027								28.997	0.03	2199	-2.71%	-3.62%	18
19	A	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	10	0.95	175	0.000063	0.000051	0.317560								0.364	0.73	48353	-0.11%	-1.03%	19
20	ATS	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	40	0.9	207	0.000063	0.000051	0.451027								1.457	0.41	26849	-0.54%	-1.46%	20
21	L	20	3	26849	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	30	0.9	207	0.000063	0.000051	0.451027								0.445	0.69	18584	-0.41%	-1.87%	21
22	LL	21	3	18584	M	CU	1 Set(s) of 1 AWG	7293	--	208	275	0.9	50	0.000160	0.000057	0.451027								5.835	0.15	2719	-1.93%	-3.80%	22
23	K	21	3	18584	M	CU	1 Set(s) of 1 AWG	7293	--	208	390	0.9	55	0.000160	0.000057	0.451027								8.276	0.11	2004	-3.02%	-4.89%	23
24	R	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	275	0.9	190	0.000063	0.000051	0.451027								10.015	0.09	5988	-3.43%	-4.35%	24
25	AA1	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	275	0.9	129	0.000063	0.000051	0.451027								10.015	0.09	5988	-2.33%	-3.25%	25
26	M	2	3	65963	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	275	0.9	192	0.000063	0.000051	0.451027								10.015	0.09	5988	-3.47%	-4.39%	26
27	Q	2	3	65963	M	CU	1 Set(s) of 1 AWG	7293	--	208	25	0.9	42	0.000160	0.000057	0.451027								1.883	0.35	22881	-0.15%	-1.07%	27
28	T	2	3	65963	M	CU	1 Set(s) of 1 AWG	7293	--	208	30	0.9	80	0.000160	0.000057	0.451027								2.259	0.31	20237	-0.34%	-1.26%	28
29	S	2	3	65963	M	CU	1 Set(s) of 1 AWG	7293	--	208	350	0.9	60	0.000160	0.000057	0.451027								26.361	0.04	2411	-2.95%	-3.87%	29
30	RTU-1	2	3	65963	M	CU	1 Set(s) of 350 kcmil	19704	--	208	130	0.85	287	0.000039	0.000050	0.554811								3.624	0.22	14265	-1.85%	-2.77%	30
31	RTU-2	2	3	65963	M	CU	1 Set(s) of 350 kcmil	19704	--	208	110	0.85	287	0.000039	0.000050	0.554811								3.066	0.25	16221	-1.56%	-2.48%	31
32	NOT USED							--	--																				32
33	RTU-9	2	3	65963	M	CU	1 Set(s) of 1 AWG	7293	--	208	300	0.85	59	0.000160	0.000057	0.554811								22.595	0.04	2796	-2.45%	-3.36%	33
34	KP	2	3	65963	M	AL	1 Set(s) of 2/0 AWG	7187	--	208	400	0.9	40	0.000160	0.000054	0.451027								30.571	0.03	2089	-2.23%	-3.15%	34
35	CL	34	3	2089	M	AL	1 Set(s) of 6 AWG	1481	--	208	5	0.9	30	0.000810	0.000064	0.451027								0.059	0.94	1973	-0.09%	-3.24%	35
36	LK	2	3	65963	M	AL	1 Set(s) of 250 kcmil	12122	--	208	300	0.9	80	0.000086	0.000052	0.451027								13.594	0.07	4520	-2.00%	-2.92%	36
37	CK	2	3	65963	M	AL	1 Set(s) of 300 kcmil	13910	--	208	280	0.9	120	0.000072	0.000051	0.451027								11.057	0.08	5471	-2.44%	-3.35%	37
38	MRP	2	3	65963	M	CU	5 Set(s) of 400 kcmil	20566	--	208	50	0.9	1200	0.000035	0.000049	0.451027								0.267	0.79	52059	-0.53%	-1.45%	38
39	PROTOCOL A	38	3	52059	M	CU	2 Set(s) of 250 kcmil	16483	--	208	330	0.9	300	0.000054	0.000052	0.451027								4.339	0.19	9750	-2.94%	-4.38%	39
40	PROTOCOL C	38	3	52059	M	CU	2 Set(s) of 300 kcmil	18177	--	208	270	0.9	360	0.000045	0.000051	0.451027								3.220	0.24	12337	-2.54%	-3.98%	40
41	PROTOCOL E	38	3	52059	M	CU	1 Set(s) of 300 kcmil	18177	--	208	220	0.9	180	0.000045	0.000051	0.451027								5.247	0.16	8334	-2.07%	-3.51%	41
42	RPC	38	3	52059	M	CU	1 Set(s) of 1/0 AWG	8925	--	208	10	0.9	120	0.000120	0.000055	0.451027								0.486	0.67	35039	-0.13%	-1.58%	42
43	LP	38	3	52059	M	CU	1 Set(s) of 4 AWG	3806	--	208	20	0.9	60	0.000310	0.000060	0.451027								2.278	0.31	15881	-0.30%	-1.75%	43

Fault Point (F#)	Bus/Feeder Description	Source (Fault Point)	Phase	Source Isc (amps)	Feeder: Conduit Type/ TX	Feeder: Material	Feeder: Quantity of Parallel Sets and Bus/ Phase & Neutral Size	Conductor 'C' Value	Busway 'C' Value	L-L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Conductor: Resistance (R)	Conductor: Reactance (X)	Conductor: Arccos (pf) (Radians)	Transformer: Type	Transformer: Degree Rise	Transformer: kVA	Transformer: New Xfmr Z	Transformer: Existing Xfmr Z	Transformer: Secondary Voltage	Transformer: Tap Setting	f	M	Fault Current (amps)	Voltage Drop (%VD)	Cumulative Voltage Drop (%VD)	Fault Point (F#)
1	Utility Service Point			56,077	Pick a location																			Source Isc + 6X Motor Contribution =		58477			1
	Motor Contribution			400	The connected full load motor amps (includes compressors) on the system																								
2	MDP2	1	3	58477	M	CU	4 Set(s) of 300 kcmil	18177	--	208	20	0.9	275	0.000045	0.000051	0.451027								0.134	0.88	51569	-0.07%	-0.07%	2
3	AA2	2	3	51569	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	300	0.9	100	0.000063	0.000051	0.451027								8.542	0.10	5405	-1.97%	-2.04%	3
4	AB	2	3	51569	M	CU	1 Set(s) of 4/0 AWG	15082	--	208	80	0.9	100	0.000063	0.000051	0.451027								2.278	0.31	15733	-0.53%	-0.60%	4
5	COMPRESSOR RACK D	2	3	51569	M	CU	1 Set(s) of 500 kcmil	22185	--	208	50	0.9	330	0.000029	0.000048	0.451027								0.968	0.51	26206	-0.65%	-0.72%	5
6	PROTOCOL B	2	3	51569	M	CU	2 Set(s) of 3/0 AWG	12844	--	208	75	0.9	380	0.000079	0.000052	0.451027								1.254	0.44	22881	-1.11%	-1.18%	6
7	CONDENSER D	2	3	51569	M	CU	1 Set(s) of 8 AWG	1557	--	208	50	0.9	40	0.000780	0.000065	0.451027								13.790	0.07	3487	-1.22%	-1.29%	7

ONE-LINE DIAGRAM GENERAL NOTES:

1. THE INFORMATION SHOWN IN THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS SCHEDULE IS SHOWN FOR CALCULATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE THE CONDUIT TYPES, CONDUCTOR TYPES, SIZES, QUANTITIES OR LENGTHS FOR TAKEOFFS OR BIDDING PURPOSES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THIS SCHEDULE AND OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF AS-BUILT CONDITIONS THAT CONSTITUTE A CHANGE FROM WHAT IS SHOWN BELOW; THIS INCLUDES CONDUCTOR LENGTHS DIFFERING BY MORE THAN 10%.
2. REFER TO THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS TABLE ON THIS SHEET. AVAILABLE FAULT CURRENT INFORMATION IS LISTED UNDER THE "FAULT CURRENT" COLUMN. VOLTAGE DROP VALUES ARE LISTED UNDER THE "CUMULATIVE VOLTAGE DROP" COLUMN. THE AIC/SCCR RATING OF THE EQUIPMENT SHALL NOT BE LESS THAN THE AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT. ALL SERIES RATED EQUIPMENT SHALL BE PROPERLY LISTED AND LABELED PER CODE.
3. FEEDER NUMBER DESIGNATIONS PRECEDED BY "V" INDICATE THAT THE CONDUCTORS ARE UP-SIZED DUE TO VOLT-DROP CONSIDERATIONS. PROVIDE LUG ADAPTERS AS NEEDED IN ORDER TO PROPERLY LAND CONDUCTORS AT TERMINATION(S).
4. FEEDER SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION, UNLESS NOTED OTHERWISE. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. NUMBER DESIGNATIONS PRECEDED BY "A" INDICATE THAT THE SIZE IS BASED ON ALUMINUM (AL) WIRE. AL CONDUCTOR SIZES ARE BASED ON XHHW-2 INSULATION, UNLESS NOTED OTHERWISE. AL WIRE MAY BE SUBSTITUTED FOR CU FEEDERS AS ALLOWED BY CODE, SPECIFICATIONS AND OWNER, UNLESS NOTED OTHERWISE. AT CONTRACTOR'S OPTION, CU WIRE MAY BE SUBSTITUTED FOR AL, UNLESS NOTED OTHERWISE. ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS, UNLESS NOTED OTHERWISE. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. BRANCH CIRCUIT SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION, UNLESS NOTED OTHERWISE. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. ALL CONDUCTOR SIZES ARE BASED ON 60 DEG C RATED TERMINATIONS, UNLESS NOTED OTHERWISE. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. INSTALL FEEDERS OVERHEAD AS HIGH AS PRACTICABLE AND ORTHOGONALLY ALONG BUILDING STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE FINAL ROUTING WITH OTHER TRADES.
7. PROVIDE A PERMANENT LABEL ON FRONT OF EQUIPMENT ENCLOSURE; REFER TO SPECIFICATIONS FOR LABEL REQUIREMENTS. LABEL SHALL READ AS FOLLOWS (INCLUDE RESPECTIVE NAMES IN BLANKS):

   SERVICE EQUIPMENT LABEL:

   EXAMPLE:
   208Y/120V, 60HZ
   800A
   SCCR = 65,000A
   MAX AVAILABLE FAULT CURRENT = 58,815A
   CALCULATED: 01/01/2018

   PANELBOARD/SWITCHBOARD LABEL:
   LINE 1: PANELBOARD "_____" SUPPLIED BY UPSTREAM
   LINE 2: PANELBOARD/SWITCHBOARD "_____"
   LINE 3: LOCATED IN "__________"
   LINE 4: PANELBOARD "_____" SUPPLIES DOWNSTREAM
   LINE 5: PANELBOARD(S) "_____"

   TRANSFORMERS LABEL:
   LINE 1: TRANSFORMER "_____" SUPPLIED BY UPSTREAM
   LINE 2: PANELBOARD/SWITCHBOARD "_____"
   LINE 3: LOCATED IN "__________"
   LINE 4: TRANSFORMER "_____" SUPPLIES DOWNSTREAM
   LINE 5: PANELBOARD(S) "_____"

ELECTRICAL UTILITY CONTACT NOTE:

UTILITY COMPANY: EVERGY
UTILITY CONTACT: RON DEJARNETTE
PHONE: (816) 347-4316
EMAIL: ron.dejarnette@evergy.com

FAULT CURRENT GENERAL NOTE (UTILITY VALUE):

THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY/POINT OF SERVICE SERVING MDP1 IS 79,902A BASED ON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY.

THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY/POINT OF SERVICE SERVING MDP2 IS 56,077A BASED ON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY.

CONTRACTOR SHALL VERIFY ACTUAL AVAILABLE FAULT CURRENT VALUE WITH UTILITY PRIOR TO BEGINNING CONSTRUCTION. NOTIFY ENGINEER IF ACTUAL VALUE EXCEEDS DESIGN VALUE.

ONE-LINE DIAGRAM GENERAL NOTES (REMODEL):

1. COORDINATE WORK WITH ARCHITECTURAL PHASING DRAWINGS TO PROPERLY STAGE TRANSITION TO PROVIDE POWER TO EXISTING, NEW AND TEMPORARY LOADS. MONITOR LOADS ON DISTRIBUTION SYSTEM TO MAKE SURE SHIFTING OF LOADS DOES NOT OVERLOAD ELECTRICAL EQUIPMENT.
2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING AIC/SCCR RATING OF EACH PANELBOARD/SWITCHBOARD. ALL NEW AND EXISTING OVER-CURRENT PROTECTION DEVICES (CIRCUIT BREAKERS AND FUSES) MUST HAVE AN AIC/SCCR RATING EXCEEDING THE AVAILABLE FAULT CURRENT AT THAT POINT IN THE SYSTEM. NOTIFY THE OWNER AND THE ENGINEER IF THE EXISTING EQUIPMENT DOES NOT COMPLY WITH THIS REQUIREMENT.
3. VERIFY THE INTEGRITY OF THE EXISTING GROUNDING ELECTRODE SYSTEM AND THAT THE NEUTRAL AND GROUND ARE PROPERLY BONDED TOGETHER AT THE POINT OF SERVICE ENTRANCE. NOTIFY THE LANDLORD, OWNER AND THE ENGINEER OF ANY EXISTING DEFICIENCIES.
4. AS APPLICABLE, OBTAIN THE FOLLOWING INFORMATION IN REGARD TO THE EXISTING ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM AND REPORT FINDINGS TO THE ENGINEER FOR ANALYSIS PRIOR TO BEGINNING CONSTRUCTION:
   A. AVAILABLE FAULT CURRENT DELIVERED BY THE UTILITY COMPANY AT THE POINT OF SERVICE. INCLUDE THE AVAILABLE FAULT CURRENT DELIVERED TO THE TENANT SPACE BY THE LANDLORD'S DISTRIBUTION SYSTEM.
   B. AIC/SCCR RATING AT EACH EXISTING SWITCHBOARD/PANELBOARD.

ONE-LINE DIAGRAM SUPPLEMENTAL SPECIFICATIONS:

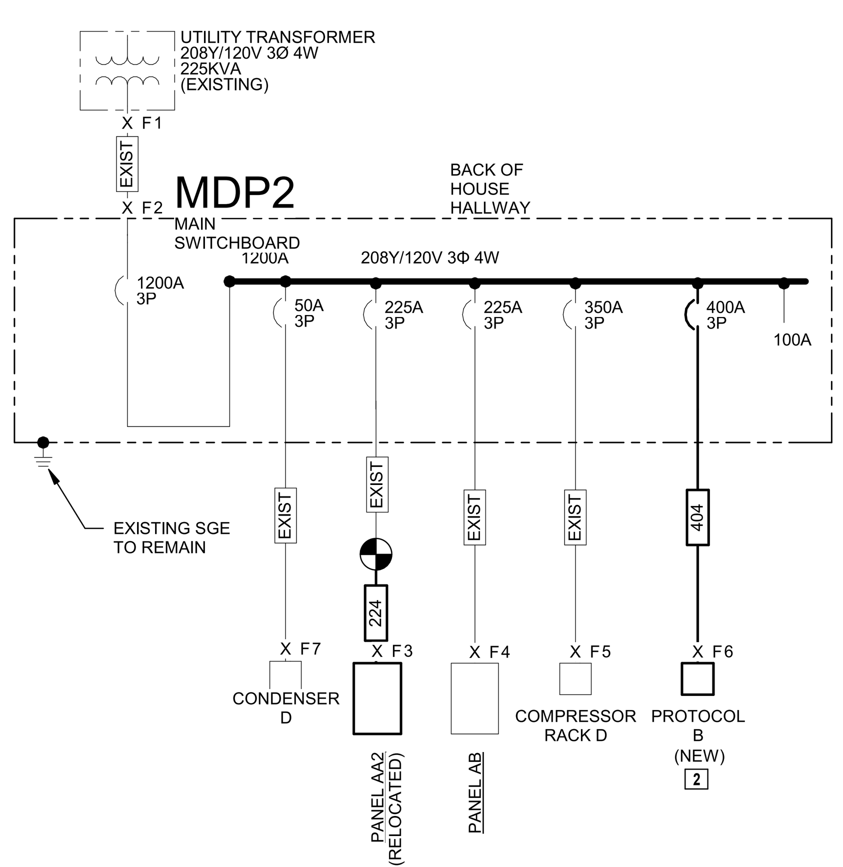
1. PROVIDE PROPERLY SIZED LUGS FOR ALL EQUIPMENT, CIRCUIT BREAKERS, AND OTHER ELECTRICAL DEVICES TO ACCOMMODATE INSTALLED CONDUCTORS. A LARGER FRAME, OVERSIZED LUGS OR NON-STANDARD PRODUCT MAY BE REQUIRED IN SOME INSTANCES. UTILIZE PIN ADAPTERS ONLY IF NECESSARY AND ONLY AS ALLOWED BY MANUFACTURER AND AHJ.
2. PROVIDE ANY AVAILABLE SPACE IN SWITCHBOARDS/PANELBOARDS WITH BUSSING.
3. PROVIDE (4) EMPTY 1" CONDUITS WITH PULL STRINGS FROM EACH RECESSED PANELBOARD UP TO ACCESSIBLE CEILING SPACE. CAP AND LABEL CONDUITS FOR FUTURE USE.
4. PROVIDE TYPED FINAL CIRCUIT DIRECTORY FOR ALL PANELBOARDS TO REFLECT ACTUAL AS-BUILT CONDITIONS. COORDINATE FINAL ROOM NAMES, NUMBERS AND DESCRIPTIONS WITH OWNER PRIOR TO COMPLETION. CIRCUIT DESCRIPTIONS SHALL BE PER CODE AND SHALL BE DISTINGUISHABLE FROM ALL OTHERS.

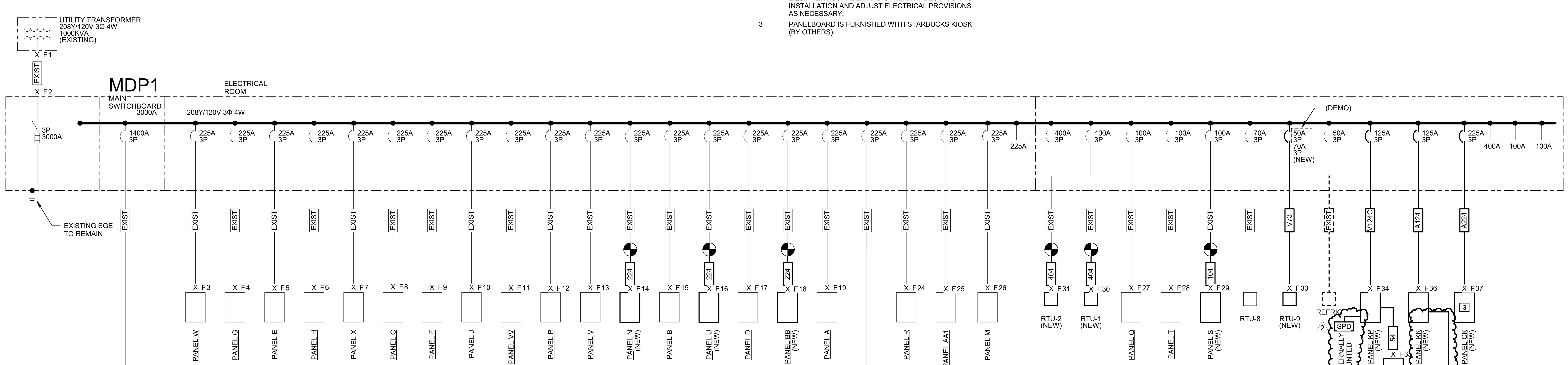
ELECTRICAL PLAN NOTES

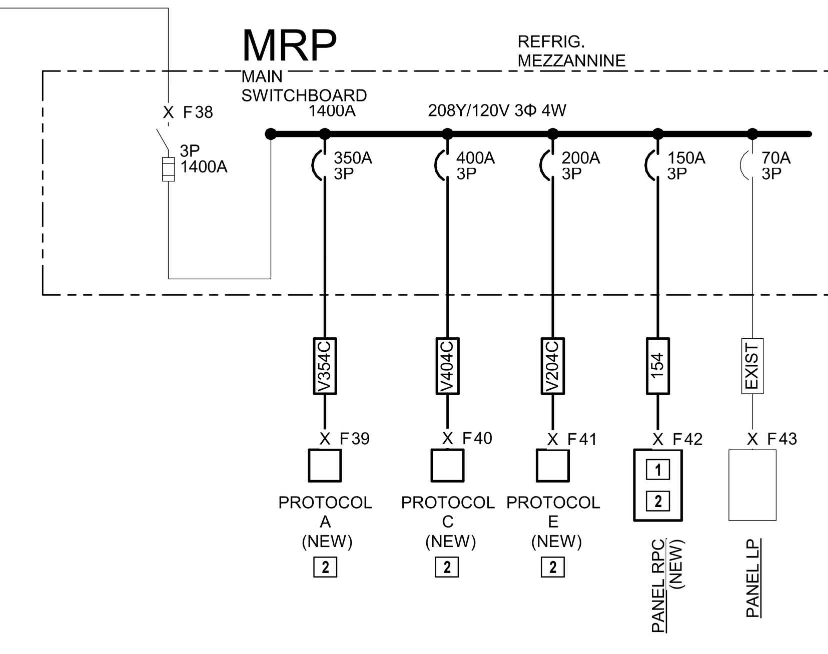
1 NEW REMOTE REFRIGERATION PANEL FURNISHED WITH REFRIGERATION EQUIPMENT AND INSTALLED BY ELECTRICAL CONTRACTOR.

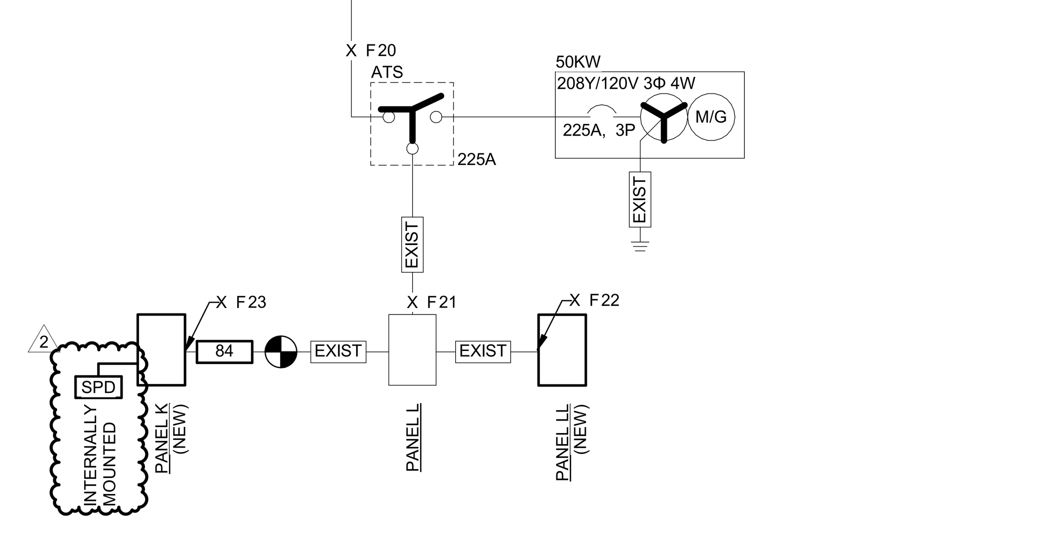
2 THE ELECTRICAL INFORMATION SHOWN FOR THIS EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE. COORDINATE ELECTRICAL PROVISIONS WITH EQUIPMENT SUPPLIER AND OTHER TRADES PRIOR TO INSTALLATION AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY.

3 PANELBOARD IS FURNISHED WITH STARBUCKS KIOSK (BY OTHERS).









1 ELECTRICAL ONE-LINE
NTS

BUILDING ELECTRICAL SERVICE LOAD SUMMARY	MDP1		
BUILDING OCCUPANCY TYPE: M	SERVICE DESCRIPTION: 208Y/120V, 3PH		
BUILDING SQUARE FOOTAGE: 92,826			
LOAD DESCRIPTION	Connected KVA	Demand FACTOR	Demand KVA
EXISTING PEAK UTILITY LOAD @ 0.9 pf	N/A	125%	902.78
HVAC - SUMMER	278.63	90%	250.77
HVAC - WINTER	17.23	100%	0.00
LIGHTING (PER NEC-220)	91.70	125%	114.62
RECEPTACLES	64.80	100%;50%	37.40
KITCHEN EQUIPMENT	127.88	65%	83.12
MOTOR LOADS	119.26	100%	119.26
LARGEST MOTOR LOAD	17.40	125%	21.75
SUPPLEMENTAL ELECTRIC HEAT	27.30	100%	27.30
MISCELLANEOUS EQUIPMENT	32.99	100%	32.99
REFRIGERATION EQUIPMENT	360.48	80%	288.39
DISPLAY CASE/SIGNAGE	1.20	125%	1.50
SHOW WINDOW / TRACK LIGHTING	0.00	PER NEC	0.00
EXTERIOR LIGHTING	0.00	125%	0.00
EXISTING LOAD TO BE DELETED	1037.78	100%	1037.78
TOTAL LOAD	101.07	KVA	842.08
TOTAL AMPACITY	280.54	AMPS	2337.39
SERVICE AMPACITY	3000	AMPS	3000.00
SPARE CAPACITY		AMPS	663

*PER UTILITY COMPANY BILLING PEAK DEMAND OF: 667KW JULY 2019

BUILDING ELECTRICAL SERVICE LOAD SUMMARY	MDP2		
BUILDING OCCUPANCY TYPE: M	SERVICE DESCRIPTION: 208Y/120V, 3PH		
BUILDING SQUARE FOOTAGE: 92,826			
LOAD DESCRIPTION	Connected KVA	Demand FACTOR	Demand KVA
EXISTING PEAK UTILITY LOAD @ 0.9 pf	N/A	125%	347.22
HVAC - SUMMER	16.07	90%	0.00
HVAC - WINTER	20.50	100%	20.50
LIGHTING (PER NEC-220)	0.00	125%	0.00
RECEPTACLES	1.62	100%;50%	1.62
KITCHEN EQUIPMENT	4.00	65%	2.60
MOTOR LOADS	0.00	100%	0.00
LARGEST MOTOR LOAD	0.00	125%	0.00
MISCELLANEOUS EQUIPMENT	0.50	100%	0.50
REFRIGERATION EQUIPMENT	126.36	80%	101.09
DISPLAY CASE/SIGNAGE	0.00	125%	0.00
EXISTING LOAD TO BE DELETED	65.00	100%	65.00
TOTAL LOAD	104.05	KVA	408.53
TOTAL AMPACITY	288.81	AMPS	1133.97
SERVICE AMPACITY	1200	AMPS	1200.00
SPARE CAPACITY		AMPS	66

*PER UTILITY COMPANY BILLING PEAK DEMAND OF: 106KW JUNE 2020

CIRCUIT SCHEDULE:

ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS. COPPER CONDUCTORS ARE BASED ON THHN/THWN-2 INSULATION. ALUMINUM CONDUCTORS (PREFIX "A") ARE BASED ON XHHW-2 INSULATION. FOR ANY OTHER CONDITIONS ALLOWED PER SPECIFICATIONS, OR FOR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75 DEG C, MODIFY SIZES ACCORDING TO NFPA 70.

FEEDER TAG	FEEDER DESCRIPTION
54	(4)#8, (1)#10G, 3/4" C
84	(4)#4, (1)#8G, 1-1/4" C
104	(4)#3, (1)#8G, 1-1/4" C
154	(4)#1/0, (1)#6G, 1-1/2" C
224	(4)#4/0, (1)#4G, 2-1/2" C
404	(2) 2" C, EACH W/ (4)#3/0, (1)#3G
A124	(4)#2/0, (1)#4G, 2" C
A224	(4)-300kcmil, (1)#2G, 3" C
EXIST	EXISTING FEEDER TO REMAIN
V73	(3)#1, (1)#8G, 1" C
V124C	(4)#3/0, (1)#3 G, 2" C
V204C	(4)300kcmil, (1)#3 G, 3" C
V354C	(2) 2-1/2"C, EACH W/ (4)250kcmil, (1)#3 G
V404C	(2) 3"C, EACH W/ (4)300kcmil, (1)#1/0 G

REVISION	DATE BY
2 ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL
STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 8 2021

DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee EMPLOYEE OWNED

NORTH PLAN NORTH

FEEDER RISER DIAGRAM

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

SHEET:
E1.0

DEAN W. CHANDLER
1/8/2021 8:37:34 AM

PANELBOARD: B (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: LIGHTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

LINE-SIDE LUGS: MECHANICAL
EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
R	1	LTG - DELI/CHEESE	420			12	20	1	1	20	12	1,344			LTG - WINE AND SPIRITS TRK 1	2	R
R	3	LTG - DELI/CHEESE TRACK		147		12	20	1	1	20	12		1,554		LTG - WINE AND SPIRITS TRK 2	4	R
R	5	LTG - PRODUCE TRIM			252	12	20	1	1	20	12			400	LTG - WINE AND SPIRITS VEST.	6	R,EM
R	7	LTG - MEAT/SEAFOOD	732			12	20	1	1	20	EX	1,200			SALES AREA LTG	8	EX
R	9	LTG - MEAT/SEAFOOD TRACK		189		12	20	1	1	20	EX		1,200		SALES AREA LTG	10	EM
R	11	LTG - MEAT CASE PENDANTS			60	12	20	1	1	20	EX			1,200	SALES AREA LTG	12	EM
R	13	LTG - MEAT TRIM	702			12	20	1	1	20	EX	1,200			SALES AREA LTG	14	EX
R	15	LTG - PIZZA/ASIAN TRACK		126		12	20	1	1	20	EX		1,200		SALES AREA LTG	16	EX
R	17	LTG - PIZZA/ASIAN			684	12	20	1	1	20	EX			1,200	SALES AREA LTG	18	EX
R	19	LTG - FOOD SERVICE ROOM	348			12	20	1	1	20	EX	1,200			SALES AREA LTG	20	EX
R	21	LTG - KITCHEN/COMF FOODS		756		12	20	1	1	20	EX		1,200		SALES AREA LTG	22	EX
R	23	LTG - CONF FDS/MKT EXP/SUSHI			105	12	20	1	1	20	EX			1,200	BACK ROOM LTG	24	EX
R	25	LTG - EXIT HALL	294			12	20	1	1	20	EX	1,200			BACK RM CLG FAN & HEATER	26	EX
R	27	LTG - BAKERY 1		600		12	20	1	1	20	EX		1,200		ELEC ROOM LTG	28	EX
R	29	LTG - BAKERY 2			840	12	20	1	1	20	EX			1,200	TUNNEL LTG & BUNKER DEMO	30	EX
R	31	LTG - BAKERY 3	780			12	20	1	1	20	EX	500			SYS 9 BUNKER	32	EX
R	33	LTG - BAKERY/DECADENT TRACK		189		12	20	1	1	20	EX		500		SYS 11 BUNKER	34	EX
R	35	LTG - WINE ROOM FLR STRIPS			160	12	20	1	1	20	12			180	LTG - WINE ROOM DWNLTS	36	N
V	37	SPARE					20	1	1	20	12	200			LTG - DAIRY TRACK	38	N
V	39	SPARE					20	1	1	20	12		1,000		LTG - CANDY CARDS TRACK 1	40	N
	41	EQUIPPED SPACE						1	1	20	12			1,000	LTG - CANDY CARDS TRACK 2	42	N
		SUBTOTAL	3,276	2,007	2,101							6,844	7,854	6,380	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	10,120							
AMPS	84	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	9,861	HEATING		0	SIGN/DISP		1.25	
AMPS	82	LIGHTING	14,262	1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	8,481	RECEPTACLES		1.0/.5	EXISTING	15,400	1.00	
AMPS	71	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	28,462	SUPP HEAT		1.00	SHOW WNDW		1.25	33,228 VA
AMPS	79	MISC EQUIP		1.00	LTG TRACK		1.00	92 A

PANELBOARD NOTES

PANELBOARD: CL (NEW)

BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: KP
AIC RATING: FCA +10% MINIMUM FULLY RATED
SERVES: CLINIC
MOUNTING: RECESSED
LOCATION: CLINIC STORAGE

LINE-SIDE LUGS: MECHANICAL
EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
	1	CLINIC FRONT DESK COMP	360			12	20	1				10				2	
	3	SPARE					20	1	3	30			10		SPD	4	
	5	SPARE					20	1						10		6	
	7	SPARE					20	1	1	20					SPARE	8	
	9	SPARE					20	1	1	20					SPARE	10	
	11	EQUIPPED SPACE						1	1						EQUIPPED SPACE	12	
	13	EQUIPPED SPACE						1	1						EQUIPPED SPACE	14	
	15	EQUIPPED SPACE						1	1						EQUIPPED SPACE	16	
	17	EQUIPPED SPACE						1	1						EQUIPPED SPACE	18	
	19	EQUIPPED SPACE						1	1						EQUIPPED SPACE	20	
	21	EQUIPPED SPACE						1	1						EQUIPPED SPACE	22	
	23	EQUIPPED SPACE						1	1						EQUIPPED SPACE	24	
	25	EQUIPPED SPACE						1	1						EQUIPPED SPACE	26	
	27	EQUIPPED SPACE						1	1						EQUIPPED SPACE	28	
	29	EQUIPPED SPACE						1	1						EQUIPPED SPACE	30	
	31	CLINIC SCREEN	180			12	20	1	1	20	12	720			EXAM 1 RCPTS 1	32	
	33	NURSE CALL		500		12	20	1	1	20	12		360		EXAM 1 RCPTS 2	34	
	35	LAB RCPTS 1			720	12	20	1	1	20	12			720	EXAM 2 RCPTS 1	36	
	37	LAB RCPTS 2	540			12	20	1	1	20	12	360			EXAM 2 RCPTS 2	38	
	39	LAB DATA RACK 1		500		12	20	1	1	20	12		360		CLINIC HALLWAY/RR RCPTS	40	
	41	LAB DATA RACK 2			500	12	20	1	1	20	12			900	CLINIC RECEPTION DESK	42	
		SUBTOTAL	1,080	1,000	1,220							1,090	730	1,630	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	2,170							
AMPS	18	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	1,730	HEATING		0	SIGN/DISP		1.25	
AMPS	14	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	2,850	RECEPTACLES	6,720	1.0/.5	EXISTING		1.00	
AMPS	24	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	6,750	SUPP HEAT		1.00	SHOW WNDW		1.25	6,750 VA
AMPS	19	MISC EQUIP	30	1.00	LTG TRACK		1.00	19 A

PANELBOARD NOTES

PANELBOARD: D (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: LIGHTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	SALES AREA LTG	1,200			EX	20	1	1	20	EX	1,200			SALES AREA LTG	2	EX,EM
EX	3	SALES AREA LTG		1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	4	EX
EX	5	SALES AREA LTG			1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	6	EX
EX	7	SALES AREA LTG	1,200			EX	20	1	1	20	EX	1,200			SALES AREA LTG	8	EX,EM
EX	9	SALES AREA LTG		1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	10	EX
EX	11	SALES AREA LTG			1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	12	EX
EX	13	SALES AREA LTG	1,200			EX	20	1	1	20	EX	1,200			SALES AREA LTG	14	EX
EX	15	SALES AREA LTG		1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	16	EX
EX	17	ENTRY WAY LTG			1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	18	EX
R	19	JOE FRESH TRACK 1	1,000			12	20	1	1	20	EX	1,200			SALES AREA LTG	20	EX,EM
R	21	JOE FRESH TRACK 2		1,000		12	20	1	1	20	EX		1,200		SALES AREA LTG	22	EX
R	23	JOE FRESH TRACK 3			1,000	12	20	1	1	20	EX			1,200	SALES AREA LTG	24	EX
EX,EM	25	PANEL B CKT 37	500			EX	20	1	1	20	EX	1,200			PANEL B CKT 38	26	EX
EX	27	SALES AREA LTG		1,200		EX	20	1	1	20	EX		1,200		COFFEE GRINDER DROP	28	EX
EX	29	SALES AREA LTG			1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	30	EX
EX	31	PANEL B CKT 32	500			EX	20	1	1	20	EX	1,200			SALES AREA LTG	32	EX
R	33	DSW TRACK 1		1,000		12	20	1	1	20	EX		1,200		SALES AREA LTG	34	EX
R	35	DSW TRACK 2			1,000	12	20	1	1	20	EX			1,200	SALES AREA LTG	36	EX
R	37	DSW TRACK 3	1,000			12	20	1	1	20	EX	1,200			SALES AREA LTG	38	EX,EM
EX	39	EXISTING LOAD		1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	40	EX,EM
	41	EQUIPPED SPACE						1	1						EQUIPPED SPACE	42	
		SUBTOTAL	6,600	8,000	6,800							8,400	8,400	7,200	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	15,000							
AMPS	125	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	16,400	HEATING		0	SIGN/DISP		1.25	
AMPS	137	LIGHTING	6,000	1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	14,000	RECEPTACLES		1.0/.5	EXISTING	40,600	1.00	
AMPS	117	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	45,400	SUPP HEAT		1.00	SHOW WNDW		1.25	48,100 VA
AMPS	126	MISC EQUIP		1.00	LTG TRACK		1.00	134 A

PANELBOARD NOTES

PANELBOARD: E (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: KITCHEN/DELI
MOUNTING: RECESSED
LOCATION: DRY STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
	1		3,759						2	50	6	3,445			HICKORY HOUSE HOT CASE 2	2	N
R	3	DELI BOOSTER HEATER		3,759		8	40	3					3,445			4	
	5				3,759				1	20	12			720	KITCHEN ROTISSERIE	6	R
R	7	HIBACHI 10' COLD CASE	270			12	20	1	1	20	EX	500			EXISTING LOAD	8	EX
EX	9	PIZZA DEEP WELL		500		EX	20	1	1	20	EX		500		EXISTING LOAD	10	EX
EX	11	PIZZA RCPT			500	EX	20	1	1	20	EX			500	EXISTING LOAD	12	EX
EX	13	DELI DISPOSAL	500			EX	20	1	1	20	12	1,400			KITCHEN HEAT RAIL	14	R
EX	15	DELI DISHWASHER EX FAN EF5		1,000		EX	20	1	1	20	12		1,176		KITCHEN REF TABLE (BACK RM)	16	R
EX	17	WEST BAKERY FRZR FANS			1,000	EX	20	2	1	20	EX			500	EXISTING LOAD	18	EX
	19		1,000						1	20	EX	500			EXISTING LOAD	20	EX
EX	21	BAKERY WEST COIL FRZR FANS		500		EX	20	1	1	20	12		360		KITCHEN CONV RCPT 1	22	R
EX	23	JUICE BAR ISO GROUND			500	EX	20	1	1	20	12			540	KITCHEN CONV RCPT 2	24	R
EX	25	JUICE BAR RCPT	500			EX	20	1	2	30	EX	2,496			HOT WELLS	26	EX
EX	27	EXISTING LOAD		500		EX	20	1					2,496			28	
EX	29	EXISTING LOAD			500	EX	20	1	1	20	EX			500	DELI DISPOSAL	30	EX
R	31	HICKORY HOUSE HOT CASE 1	3,077			8	40	2	1	20	EX	500			DELI HALF WALL RCPTS	32	EX
	33			3,077					1	20	EX		500		WINE TASTING RCPT	34	EX
N	35	CHINESE HOT WELL			7,475	3	100	2	1	20	EX			500	WINE TASTING RCPT	36	EX
	37		7,475						1	20	10	1,920			KITCHEN HOLDING CABINET	38	R
EX	39	EXISTING LOAD		500		EX	20	1	1	20	12		1,176		KITCHEN REF TABLE	40	R
EX	41	BAKERY FRZR LTS			500	EX	20	1	1	20	EX			500	PRODUCE COLUMN RCPT	42	EX
		SUBTOTAL	16,581	9,836	14,234							10,761	9,653	3,760	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	27,342							
AMPS	228	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	19,489	HEATING		0	SIGN/DISP		1.25	
AMPS	162	LIGHTING		1.25	KITCHEN	34,656	0.65	
TOTAL PHASE C - VA	17,994	RECEPTACLES	900	1.0/.5	EXISTING	17,992	1.00	
AMPS	150	MOTORS	11,277	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	64,825	SUPP HEAT		1.00	SHOW WNDW		1.25	52,695 VA
AMPS	180	MISC EQUIP		1.00	LTG TRACK		1.00	146 A

PANELBOARD NOTES

PANELBOARD: F (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: DELI
MOUNTING: RECESSED
LOCATION: DRY STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
	1		4,083						1	20	EX	500			EXISTING LOAD	2	EX
N	3	180lb MIXER		4,083		6	45	3	1	20	EX		500		EXISTING LOAD	4	EX
	5				4,083				1	20	EX			500	EXISTING LOAD	6	EX
EX	7	BREAD SLICER DROP	500			EX	20	1	1	20	EX	500			EXISTING LOAD	8	EX
R	9	KEF-5		516		12	20	1	1	20	EX		500		EXISTING LOAD	10	EX
V	11	SPARE					40	2	1	20	EX			500	EXISTING LOAD	12	EX
	13								1	20	12	500			BAKERY SCALES 1	14	R
EX	15	DONUT HOOD		500		EX	20	1	1	20	12		500		BAKERY TABLE RCPT	16	R
EX	17	RCPT UNDER DONUT HOOD			500	EX	20	1	1	20	12			500	BAKERY TABLE MONITOR	18	R
	19		1,921									1,921				20	
EX	21	140 QT BAKERY MIXER		1,921		EX	20	3	3	20	12		1,921		BAKERY ROUNDER	22	R
	23				1,921									1,921		24	
EX	25	EXISTING LOAD	2,880			EX	30	1	1	20	EX	500			EXISTING LOAD	26	
EX	27	30 QT MIXER		1,664		EX	20	1	1	20	12		360		BAKERY FLOOR BOXES 1	28	R
	29				1,664				1	20	12			360	BAKERY FLOOR BOXES 2/SCALE	30	R
	31		1,921						1	20	12	500			BAKERY RACK OVEN CONTROL	32	R
N	33	BAKERY RACK OVEN		1,921		12	20	3	1	20	12		500		BAKERY FLOOR SCALES	34	R
	35				1,921				1	20	EX			500	EXISTING LOAD	36	EX
	37		4,803						1	20	EX	500			EXISTING LOAD	38	EX
EX	39	BAKERY FRYER		4,803		EX	50	3	1	20	EX		500		EXISTING LOAD	40	EX
	41				4,803				1	20	12			900	BAKERY SHEETER	42	R
		SUBTOTAL	16,108	15,408	14,892							4,921	4,781	5,181	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	21,029							
AMPS	175	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	20,189	HEATING		0	SIGN/DISP		1.25	
AMPS	168	LIGHTING		1.25	KITCHEN	27,675	0.65	
TOTAL PHASE C - VA	20,073	RECEPTACLES	720	1.0/.5	EXISTING	32,880	1.00	
AMPS	167	MOTORS	516	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	61,291	SUPP HEAT		1.00	SHOW WNDW		1.25	52,105 VA
AMPS	170	MISC EQUIP		1.00	LTG TRACK		1.00	145 A

PANELBOARD NOTES

PANELBOARD: G (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: MEAT & SEAFOOD POWER
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	SERVICE MEAT RCPT	500			EX	20	1	1	20	12	180			MEAT/SF SCALE	2	R
EX	3	MD MEAT RCPT		500		EX	20	1	1	20	12		360		MEAT/SF MENU SCREENS	4	R
R	5	PRODUCE TRIM HEAT WRAP			725	12	20	1	1	20	12			725	MEAT/SF HEAT SEAL WRAP	6	R
R	7	PRODUCE TRIM RCPT/SCALE	540			12	20	1	1	20	12	180			MEAT/SF CONV RCPT 1	8	R
EX	9	SERVICE MEAT SCALE IG		500		EX	20	1	1	20	12		696		SALES FLOOR COOLER 1	10	R
R	11	PRODUCE MISTER			180	12	20	1	1	20	12			696	SALES FLOOR COOLER 2	12	R
R	13	EF-12 CUSTOMER RRS	768			12	20	1	1	20	12	696			SALES FLOOR COOLER 3	14	R
R	15	SALES FLOOR BULK WATER		696		12	20	1	1	20	12		696		SALES FLOOR COOLER 4	16	R
R	17	BAKERY CASE LTS			500	12	20	1	1	20	12			696	SALES FLOOR COOLER 5	18	R
EX	19	SPARE					20	2	1	20	12	456			SALES FLOOR COOLER 6	20	R
	21								1	20	12		180		DELI CHEESE SCREEN	22	R
	23	EQUIPPED SPACE						1	1	20	12			360	DELI CHEESE CONV RCPTS	24	R
	25	EQUIPPED SPACE						1	1	20	12	360			ROOFTOP RCPTS 1	26	R
EX	27	SERVICE SEAFOOD CASE		500		EX	20	1	1	20	12		540		ROOFTOP RCPTS 2	28	R
EX	29	MEAT GRINDER RCPT			500	EX	20	1	1	20	EX			500	N ROOF TOP GFI	30	EX
EX	31	FAT TESTER	500			EX	20	1	1	20	EX	500			N ROOF TOP SMOKE DET.	32	EX
EX	33	MEAT/CHEESE WALL OUTLETS		500		EX	20	1	1	20	EX		500		FISH DEPT EXH FAN EF10	34	EX
EX	35	SPARE ABOVE MEAT/CHEESE			500	EX	20	1	1	20	12			360	DELI CHEESE SCALE 1	36	R
EX	37	RCPT ON WALL MOTOR RM	500			EX	20	1	1	20	12	180			DELI CHEESE SCALE 2	38	R
	39	EQUIPPED SPACE						1	1						EQUIPPED SPACE	40	
EX	41	SALAD PREP LTG			1,700	EX	20	1	1						EQUIPPED SPACE	42	
		SUBTOTAL	2,808	2,696	4,105							2,552	2,972	3,337	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	5,360							
AMPS	45	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	5,668	HEATING		0	SIGN/DISP		1.25	
AMPS	47	LIGHTING	1,700	1.25	KITCHEN	2,170	0.70	
TOTAL PHASE C - VA	7,442	RECEPTACLES	7,152	1.0/.5	EXISTING	6,500	1.00	
AMPS	62	MOTORS	768	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	18,470	SUPP HEAT		1.00	SHOW WNDW		1.25	18,244 VA
AMPS	51	MISC EQUIP	180	1.00	LTG TRACK		1.00	51 A

PANELBOARD NOTES

PANELBOARD: H (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: MEAT & SEAFOOD POWER
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
	1		1,921						1	20	EX	500			CORD DROP	2	EX
EX	3	MEAT SAW		1,921		EX	20	3	1	20	EX		500		CORD DROP	4	EX
	5				1,921				1	20	EX			500	EXISTING LOAD	6	EX
	7		4,803						1	20	EX	1,200			MEAT PREP FANS	8	EX
EX	9	TRASH COMPACTOR		4,803		EX	50	3	1	20	EX		1,200		MEAT PREP DISPOSAL	10	EX
	11				4,803				1	20	EX			500	SERVICE MEAT RCPT	12	EX
R	13	UH-4 (ELEC ROOM)	500			12	20	1	1	20	EX	500			MEAT WRAPPER	14	EX
V	15	SPARE					20	1	1	20	EX		500		S MEAT PREP SPARE	16	EX
EX	17	EXISTING LOAD			500	EX	20	1	1	20	EX			500	S MEAT PREP SPARE	18	EX
	19		367						1	20	EX	500			PNL Q CONTACTOR	20	EX
N	21	BAKERY VARIA PRO SLICER		367		12	20	3					4,491			22	
	23				367				3	50	6			4,491	MAU-2 FANS	24	N
EX	25	RCPT - ALARM BY COMPACT.	500			EX	20	1				4,491				26	
R	27	BAKERY SCREENS		360		12	20	1	1	20	12		725		DELI CHEESE HEAT WRAP	28	R
V	29	SPARE					20	1	1	20	12			500	DELI CHEESE SLICER 1	30	R
	31		1,345						1	20	12	500			DELI CHEESE SLICER 2	32	R
N	33	MAU-2 CONDENSERS 1		1,345		12	20	3	1	20	EX		500		MEAT & CHEESE RCPT	34	EX
	35				1,345				2	20	EX			1,000	PANINI PRESS	36	EX
	37		2,570									1,000				38	
R	39	MAU-2 CONDENDERS 2		2,570		10	30	3	1	20	EX		500		DELI FLOOR RCPT	40	EX
	41				2,570				1	20	EX			500	MEAT & CHEESE RCPT FLOOR	42	EX
		SUBTOTAL	12,006	11,366	11,506							8,691	8,416	7,991	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	20,697							
AMPS	172	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	19,782	HEATING		0	SIGN/DISP		1.25	
AMPS	165	LIGHTING		1.25	KITCHEN	2,826	0.80	
TOTAL PHASE C - VA	19,497	RECEPTACLES	360	1.0/.5	EXISTING	31,072	1.00	
AMPS	162	MOTORS	25,218	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	59,976	SUPP HEAT	500	1.00	SHOW WNDW		1.25	59,411 VA
AMPS	166	MISC EQUIP		1.00	LTG TRACK		1.00	165 A

PANELBOARD NOTES

PANELBOARD: K (NEW)

BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: PNLBD L
AIC RATING: 10000 FULLY RATED
SERVES: CHECKSTANDS & CLEAN POWER
MOUNTING: SURFACE
LOCATION: CLINIC HALL

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
R	1	STARBUCKS CLEAN 1	360			12	20	1	1	20	12	360			BAR CLEAN	2	R
R	3	STARBUCKS CLEAN 2		360		12	20	1	1	20					SPARE	4	V
R	5	CHECKSTAND 8 CLEAN			500	12	20	1	1	20	12			500	CHECKSTAND 9 CLEAN	6	R
R	7	CHECKSTAND 10 CLEAN	500			12	20	1	1	20					SPARE	8	V
R	9	SELF CHECKOUT 1 CLEAN		1,000		12	20	1	1	20					SPARE	10	V
R	11	SELF CHECKOUT 4 CLEAN			1,000	12	20	1	1	20	12			1,000	SELF CHECKOUT 3 CLEAN	12	R
R	13	SELF CHECKOUT 2 CLEAN	1,000			12	20	1	1	20	12	500			CHECKSTAND 1 CLEAN	14	R
R	15	CHECKSTAND 2 CLEAN		500		12	20	1	1	20	12		500		CHECKSTAND 3 CLEAN	16	R
R	17	CHECKSTAND 4 CLEAN			500	12	20	1	1	20	12			500	CHECKSTAND 5 CLEAN	18	R
R	19	CHECKSTAND 6 CLEAN	500			12	20	1	1	20	12	500			CHECKSTAND 7 CLEAN	20	R
R	21	CUSTOMER SERVICE CLEAN 1		360		12	20	1	1	20	12		360		FLORAL CLEAN 1	22	R
R	23	CUSTOMER SERVICE CLEAN 2			360	12	20	1	1	20	12			360	FLORAL CLEAN 2	24	R
R	25	CUSTOMER SERVICE CLEAN 3	360			12	20	1	1	20	12	360			PREP FOOD CHECKOUT CLEAN 1	26	R
R	27	CUSTOMER SERVICE CLEAN 4		360		12	20	1	1	20	12		360		PREP FOOD CHECKOUT CLEAN 2	28	R
R	29	CUSTOMER SERVICE CLEAN 5			360	12	20	1	1	20	12			360	PREP FOOD CHECKOUT CLEAN 3	30	R
R	31	CUSTOMER SERVICE CLEAN 6	360			12	20	1	1	20	12	360			PREP FOOD CHECKOUT CLEAN 4	32	R
R	33	CUSTOMER SERVICE CLEAN 7		360		12	20	1	1	20					SPARE	34	V
V	35	SPARE					20	1	1	20					SPARE	36	V
	37		10						1	20	12				LIQUOR CHECKOUT CLEAN 1	38	R
N	39	SPD		10			30	3	1	20	12				LIQUOR CHECKOUT CLEAN 2	40	R
	41				10				1	20	12				LIQUOR CHECKOUT CLEAN 3	42	R
		SUBTOTAL	3,090	2,950	2,730							2,080	1,220	2,720	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	5,170							
AMPS	43	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	4,170	HEATING		0	SIGN/DISP		1.25	
AMPS	35	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	5,450	RECEPTACLES	5,760	1.0/.5	EXISTING		0.80	
AMPS	45	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	14,790	SUPP HEAT		1.00	SHOW WNDW		1.25	14,790 VA
AMPS	41	MISC EQUIP	9,030	1.00	LTG TRACK		1.00	41 A

PANELBOARD NOTES

PANELBOARD: KP (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: 125A MCB
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: FCA +10% MINIMUM FULLY RATED
SERVES: PHARMACY
MOUNTING: RECESSED
LOCATION: PHARMACY

LINE-SIDE LUGS: MECHANICAL
EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
	1	PHARM FRONT COUNTER 1	360			12	20	1	1	20	12	360			PHARM FRONT COUNTER 2	2	
	3	PHARM FRONT COUNTER 3		360		12	20	1	1	20	12		360		PHARM FRONT COUNTER 4	4	
	5	SPARE					20	1	1	20	12			360	PHARM FRONT COMPUTER	6	
	7	PHARM FRONT COUNTER 5	360			12	20	1	1	20	12	360			PHARM BACK COUNTER	8	
	9	PHARM ISLAND 1A		360		12	20	1	1	20	12		360		PHARM ISLAND 2A	10	
	11	PHARM ISLAND 1B			360	12	20	1	1	20	12			360	PHARM ISLAND 2B	12	
	13	SPARE					20	1	1	20					SPARE	14	
	15	SPARE					20	1	1	20					SPARE	16	
	17	SPARE					20	1	1	20					SPARE	18	
	19	EQUIPPED SPACE						1	1						EQUIPPED SPACE	20	
	21	EQUIPPED SPACE						1	1						EQUIPPED SPACE	22	
	23	EQUIPPED SPACE						1	1						EQUIPPED SPACE	24	
	25	EQUIPPED SPACE						1	1						EQUIPPED SPACE	26	
	27			10					1						EQUIPPED SPACE	28	
	29	SPD			10		30	3	1						EQUIPPED SPACE	30	
	31		10						1						EQUIPPED SPACE	32	
	33	CONSULT COMP.		360		12	20	1	1						EQUIPPED SPACE	34	
	35	CONSULT RCPTS			720	12	20	1	1	20	12			1,000	PHARM REFRIGERATOR	36	
	37	PNLBD CL	2,170						1	20	12	360			FRONT COUNTER RCPTS	38	
	39			1,730		OL	50	3	1	20	12		360		BACK COUNTER RCPTS	40	
	41				2,850				1	20	12			900	ISLAND PRINTERS	42	
		SUBTOTAL	2,900	2,820	3,940							1,080	1,080	2,620	SUBTOTAL		

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
TOTAL PHASE A - VA	3,980							
AMPS	33	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	3,900	HEATING		0	SIGN/DISP		1.25	
AMPS	33	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	6,560	RECEPTACLES	14,380	1.0/.5	EXISTING		1.00	
AMPS	55	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	14,440	SUPP HEAT		1.00	SHOW WNDW		1.25	12,250 VA
AMPS	40	MISC EQUIP	60	1.00	LTG TRACK		1.00	34 A

PANELBOARD NOTES

PANELBOARD LEGEND

ABBREVIATIONS — V1.00

AF	ARC FAULT CIRCUIT INTERRUPTER.	LCK	HANDLE PADLOCKABLE-OFF DEVICE.
C#	CIRCUIT VIA LIGHTING CONTACTOR #.	LO	HANDLE-ON CLAMP.
CL	CIRCUIT VIA CURRENT LIMITING DEVICE.	N	PROVIDE NEW CIRCUIT BREAKER.
D	DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO SPARE AND TURN OFF.	OL	REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.
EM	EMERGENCY LIGHTING HANDLE-ON CLAMP.	PS	POWER-SWITCHING CIRCUIT BREAKER.
EX	EXISTING.	PSE	EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.
F	FUTURE LOAD; NOTE AS SPARE AND TURN OFF.	R	REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.
FA	RED/HANDLE-ON CLAMP.	RP	CIRCUIT VIA RELAY PANEL.
GF	GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).	ST	SHUNT TRIP CIRCUIT BREAKER.
GFEP	GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).	V	VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE AND TURN OFF.
HT	PROVIDE HANDLE-TIE FOR MULTI-WIRE BRANCH CIRCUIT PER CODE.	VD	BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST GROUND WIRE SIZE PER CODE. PROVIDE LUG ADAPTORS IF REQUIRED.
IG	ISOLATED GROUND CIRCUIT.	Z	CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.
L#	LIGHTING CONTROL SCHEME NUMBER.		

NOT ALL ABBREVIATIONS ARE USED.

REVISION		DATE BY
2	ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL
STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER
Jan 8 2021
DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935
Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

ELECTRICAL PANEL SCHEDULES

PROJECT MANAGER: SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

SHEET:
E1.1

DEAN W. CHANDLER
1/8/2021 9:38:42 AM

PANELBOARD: L (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: ATS
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: EMERGENCY/ NIGHT LIGHTING
MOUNTING: RECESSED
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS
FEED THRU LUGS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
R,EM	1	EM LTG - OFFICES/EXIT HALL	400			12	20	1	1	20	EX	500			XFMR FOR LOUVERS	2	EX
EX	3	8 SALES AREA LT FIXT		750		EX	20	1	1	20	EX		500		EXISTING LOAD	4	EX
EX	5	8 SALES AREA LT FIXT			750	EX	20	1	1	20	EX			500	EXISTING LOAD	6	EX
EX	7	LANDING LIGHT	750			EX	20	1				5,170				8	
EX	9	7 SALES AREA LT FXTT		750		EX	20	1	3	80	EX		4,170		PNLBD K	10	EX
EX	11	8 SALES AREA LT FIXT			750	EX	20	1						5,450		12	
EX	13	8 SALES AREA LT FIXT	750			EX	20	1	1	20	EX	750			DAIRY COVER LIGHTS	14	EX
EX	15	8 SALES AREA LT FIXT		750		EX	20	1	1	20	EX		750		DAIRY COVER LIGHTS	16	EX
EX	17	7 FRONT ENTRY LT FIXT			750	EX	20	1	1	20	EX			750	DAIRY COVER LIGHTS	18	EX
EX	19	5 FRONT ENTRY LT FIXT	750			EX	20	1	1	20	EX	750			DAIRY COVER LIGHTS	20	EX
R,EM	21	EM LTG - BAKERY/DELI/SF/MEAT		1,038		12	20	1	1	20	EX		750		DAIRY COVER LIGHTS	22	EX
EX	23	BACKROOM LTS			750	EX	20	1	1	20	EX			500	SPRINKLER BELL	24	EX
R,EM	25	EM LTG - MARKET GRILLE/W&S	250			12	20	1	1	20	EX	500			TELE BOARD RCPT	26	EX
EX	27	SALES AREA LIGHTS		750		EX	20	1								28	
EX	29	SALES AREA LIGHTS			750	EX	20	1	3	30					SPARE	30	V
EX	31	BACKROOM LTS	750			EX	20	1								32	
R,EM	33	EM LTG - KITCHEN/ASIAN/PIZZA		398		12	20	1	1	20	EX		500		EXISTING LOAD	34	EX
R,EM	35	EM LTG - CUST RRS/HALL			398	12	20	1	1	20	EX			500	FIRE ALARM PANEL	36	EX
	37	PNLBD LL	5,190						1	20	EX	500			TIME CLOCK	38	EX
EX	39			5,164		EX	80	3	1	20	EX		500		TELE & INTERCOM PANEL	40	EX
	41				4,952				1	20	EX			750	SCAN RM & HALLWAY LT	42	EX
		SUBTOTAL	8,840	9,600	9,100							8,170	7,170	8,450	SUBTOTAL		

TOTAL PHASE A - VA	17,010	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	142	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	16,770	HEATING		0	SIGN/DISP		1.25	
AMPS	140	LIGHTING	3,402	1.25	KITCHEN		0.90	
TOTAL PHASE C - VA	17,550	RECEPTACLES	6,120	1.0/.5	EXISTING	32,778	1.00	
AMPS	146	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	51,330	SUPP HEAT		1.00	SHOW WNDW		1.25	52,181 VA
AMPS	142	MISC EQUIP	9,030	1.00	LTG TRACK		1.00	145 A

PANELBOARD NOTES

PANELBOARD: KK (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: FCA +10% MINIMUM FULLY RATED
SERVES: CLEAN POWER
MOUNTING: SURFACE
LOCATION: COMM ROOM

LINE-SIDE LUGS: MECHANICAL
EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
	1	DIRECTORS OFFICE CLEAN	360			12	20	1	1	20	12	360			HUMAN RESOURCES CLEAN	2	
	3	ASST MANAGER CLEAN 1		360		12	20	1	1	20	12		360		DEPT HEADS CLEAN 1	4	
	5	ASST MANAGER CLEAN 2			360	12	20	1	1	20	12			360	DEPT HEADS CLEAN 2	6	
	7	ASST MANAGER CLEAN 3	360			12	20	1	1	20	12	360			DEPT HEADS CLEAN 3	8	
	9	ASST MANAGER CLEAN 4		360		12	20	1	1	20	12		360		DEPT HEADS CLEAN 4	10	
	11	ASST MANAGER CLEAN 5			360	12	20	1	1	20	12			360	DEPT HEADS CLEAN 5	12	
	13	ASST MANAGER CLEAN 6	360			12	20	1	1	20	12	360			DEPT HEADS CLEAN 6	14	
	15	DEPT HEADS CLEAN 7		360		12	20	1	1	20	12		360		DEPT HEADS CLEAN 8	16	
	17	DEPT HEADS CLEAN 9			360	12	20	1	1	20	12			360	DEPT HEADS CLEAN 10	18	
	19	DEPT HEADS CLEAN 11	360			12	20	1	1	20	12	360			DSD ROOM CLEAN 1	20	
	21	DSD ROOM CLEAN 2		360		12	20	1	1	20	12		360		DSD ROOM CLEAN 3	22	
	23	DSD ROOM CLEAN 4			360	12	20	1	1	20	12			360	RCPT - COMM ROOM 1	24	
	25	SPARE					20	1	1	20	12	360			RCPT - COMM ROOM 2	26	
	27	SPARE					20	1	1	20	12		360		RCPT - COMM ROOM 3	28	
	29	SPARE					20	1	1	20					SPARE	30	
	31	EQUIPPED SPACE						1	1	20					SPARE	32	
	33	EQUIPPED SPACE						1	1	20					SPARE	34	
	35	EQUIPPED SPACE						1	1	20					SPARE	36	
	37		10						1	20					SPARE	38	
	39	SPD		10			30	3	1	20					SPARE	40	
	41				10				1	20					SPARE	42	
		SUBTOTAL	1,450	1,450	1,450							1,800	1,800	1,440	SUBTOTAL		

TOTAL PHASE A - VA	3,250	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	27	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	3,250	HEATING		0	SIGN/DISP		1.25	
AMPS	27	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	2,890	RECEPTACLES	9,360	1.0/.5	EXISTING		1.00	
AMPS	24	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	9,390	SUPP HEAT		1.00	SHOW WNDW		1.25	9,390 VA
AMPS	26	MISC EQUIP	30	1.00	LTG TRACK		1.00	26 A

PANELBOARD NOTES

PANELBOARD: M (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: FLORAL & FRONT POWER
MOUNTING: RECESSED
LOCATION: CUSTOMER SERVICE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
N	1	HOT CHICKEN CASE	2,863			8	40	2	1	20	12	1,000			CASH RECYCLE MACHINE	2	R
	3			2,863					1	20	12		500		CASH ACCT - SAFE	4	R
R	5	CUSTOMER SERVICE PRINTERS			1,000	12	20	1	1	20	12			500	CASH ACCT - PRINTER	6	R (2)
R	7	COINSTAR	500			12	20	1	1	20					SPARE	8	V
	9			7,686					1	20					SPARE	10	V
EX	11	EXISTING LOAD			7,686	EX	80	3	1	20					SPARE	12	V
	13		7,686						1	20					SPARE	14	V
	15			7,686					1	20	12		180		CART CHARGER 1	16	R
EX	17	EXISTING LOAD			7,686	EX	80	3	1	20	12			180	CART CHARGER 2	18	R
	19		7,686						1	20	12	1,000			ATM 1	20	R
R	21	SALES GONDOLA 1		360		12	20	1	1	20	12		1,000		ATM 2	22	R
R	23	SALES GONDOLA 2			360	12	20	1	1	20	12			540	FLORAL SALES RCPTS	24	R
R	25	SALES GONDOLA 3	360			12	20	1	1	20	12	720			FLORAL BACK COUNTER	26	R
R	27	SALES GONDOLA 4		360		12	20	1	1	20	12		720		FLORAL PREP ROOM 1	28	R
R	29	SALES GONDOLA 5			360	12	20	1	1	20	12			360	FLORAL PREP ROOM 2	30	R
R	31	SALES GONDOLA 6	360			12	20	1	1	20	12	500			FLORAL WALK IN AUTO DOOR	32	R
R	33	SALES GONDOLA 7		360		12	20	1	1	20	12		180		PRODUCE CASE RCPT	34	R
R	35	SALES GONDOLA 8			360	12	20	1	2	20	12			1,946	PRODUCE DROP CORD 1	36	N
R	37	SALES GONDOLA 9	360			12	20	1				1,946				38	
R	39	SALES GONDOLA 10		360		12	20	1	2	20	12		1,946		PRODUCE DROP CORD 2	40	R
R	41	SALES GONDOLA 11			360	12	20	1						1,946		42	
		SUBTOTAL	19,815	19,675	17,812							5,166	4,526	5,472	SUBTOTAL		

TOTAL PHASE A - VA	24,981	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	208	COOLING		0	REFRIG		1.00	
TOTAL PHASE B - VA	24,201	HEATING	5,726	1.00	SIGN/DISP		1.25	
AMPS	202	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	23,284	RECEPTACLES	20,124	1.0/.5	EXISTING	46,116	1.00	
AMPS	194	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	72,466	SUPP HEAT		1.00	SHOW WNDW		1.25	67,404 VA
AMPS	201	MISC EQUIP	500	1.00	LTG TRACK		1.00	187 A

PANELBOARD NOTES

PANELBOARD: N (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: PHARMACY & SALES FLR POWER
MOUNTING: SURFACE
LOCATION: CLINIC HALL

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
EX	1	PHARMACY LT LIXT	1,200			EX	20	1				5,356				2	
EX	3	PHARMACY GFCI		500		EX	20	1	3	50	6		5,356		RTU-11 (CUST SERV/AOL)	4	N
EX	5	SECURITY & TV RCPT			500	EX	20	1						5,356		6	
EX	7	EXISTING LOAD	500			EX	20	1	1	20					SPARE	8	V
EX	9	EXISTING LOAD		500		EX	20	1	1	20	12		500		BP MACHINE	10	R
EX	11	EXISTING LOAD			500	EX	20	1	1	20	12			1,000	CUSTOMER SERVICE COPIER	12	R
R	13	SALES FLOOR 10' RCPTS	1,440			12	20	1	1	20	EX	500			HANDICAPPED SHOP CART	14	EX
(2) R	15	BULK FOOD SCALES		360		12	20	1	2	30	EX		2,496		EXISTING LOAD	16	EX
N	17	WH-4 A			4,150	8	40	2						2,496		18	
	19		4,150						1	20	EX	500			EXISTING LOAD	20	EX
R	21	CUSTOMER SERVICE SCREENS		360		12	20	1	1	20	EX		500		EXISTING LOAD	22	EX
EX	23	EX. FAN EF-6			500	EX	20	1	1	20	EX			500	EXISTING LOAD	24	EX
(2) R	25	ELECTRIC WATER COOLER	500			12	20	1	1	20	12	360			BEAUTY SHELVING 4	26	R
N	27	WH-4 B		4,150		8	40	2	1	20	12		360		BEAUTY SHELVING 5	28	R
	29				4,150				1	20	12			360	CANDY SHELVING 1	30	R
R	31	BEAUTY SHELVING MONITOR	180			12	20	1	1	20	12	360			CANDY SHELVING 2	32	R
R	33	BEAUTY SHELVING 1		1,200		12	20	1	1	20	12		500		CANDY SHOP END CAP	34	EX
R	35	BEAUTY SHELVING 2			1,200	12	20	1	1	20	12			500	KIDDIE RIDE	36	EX
R	37	BEAUTY SHELVING 3	1,200			12	20	1	1	20	EX	1,200			NON FOOD SHELF LTG	38	EX
EX	39	EXISTING LOAD		500		EX	20	1	1	20	EX		500		EXISTING LOAD	40	EX
EX	41	EXISTING LOAD			500	EX	20	1	1	20	12			360	ROOFTOP RCPTS	42	R
		SUBTOTAL	9,170	7,570	11,500							8,276	10,212	10,572	SUBTOTAL		

TOTAL PHASE A - VA	17,446	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	145	COOLING	16,068	1.00	REFRIG		1.00	
TOTAL PHASE B - VA	17,782	HEATING		0	SIGN/DISP		1.25	
AMPS	148	LIGHTING	3,600	1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	22,072	RECEPTACLES	5,640	1.0/.5	EXISTING	13,892	1.00	
AMPS	184	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	57,300	SUPP HEAT	16,600	1.00	SHOW WNDW		1.25	58,200 VA
AMPS	159	MISC EQUIP	1,500	1.00	LTG TRACK		1.00	162 A

PANELBOARD NOTES

PANELBOARD: P (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: REFRIGERATION
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
EX	1	WHITE CORD DROP	1,000			EX	20	1	1	20					SPARE	2	
	3			2,702					1	20					SPARE	4	
N	5	BAKERY OVEN DECK 1			2,702	10	30	3	1	20	EX			1,000	FREEZER HEAT TAPE	6	EX
	7		2,702						1	20	EX	1,000			FREEZER LIGHTS	8	EX
	9			2,702					1	20	EX		1,000		DOOR HEAT FREEZER	10	EX
N	11	BAKERY OVEN DECK 2			2,702	10	30	3	1	20	EX			1,000	MEAT COOLER LIGHTS	12	EX
	13		2,702						1	20					SPARE	14	
	15			2,702					1	20					SPARE	16	
N	17	BAKERY OVEN DECK 3			2,702	10	30	3	1	20	EX			1,000	MEAT COOLER HEAT TAPE	18	EX
	19		2,702						1	20	EX	1,000			MILK COOLER LIGHTS	20	EX
R	21	H-5 HOOD CONTROL		500		12	20	1	1	20					SPARE	22	
	23	SPARE					20	1	1	20	EX			1,000	WHITE CORD DROP	24	EX
	25	SPARE					20	1	1	20					SPARE	26	
EX	27	DELI COOLER LTS		1,000		EX	20	1	1	20	EX		1,000		PRODUCE COOLER LTS	28	EX
	29	SPARE					20	1	1	20					SPARE	30	
	31	SPARE					20	1	1	20	EX	500			S AIR HANDLER GFI	32	EX
R,1	33	LTG - WALK IN BEER COOLER		520		12	20	1	1	20	EX		500		S AIR HANDLER SMOKE DET.	34	EX
R,1	35	LTG - BEER COOLER DRS 1			1,000	12	20	1	1	20	EX			1,000	BAKERY DOOR SPARE ON TOP	36	EX
R	37	BEER COOLER DRS A/S 1	1,000			12	20	1	1	20	EX	500			BAKERY BARKER CASES	38	EX
R,1	39	LTG - BEER COOLER DRS 2		1,000		12	20	1	1	20	EX		500		LEAK DETECTOR SYSTEM	40	EX
R	41	BEER COOLER DRS A/S 2			1,000	12	20	1	1	20	EX			500	CHINESE FRZER HEAT TAPE	42	EX
		SUBTOTAL	10,106	11,126	10,106							3,000	3,000	5,500	SUBTOTAL		

TOTAL PHASE A - VA	13,106	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	109	COOLING		1.00	REFRIG	1,000	1.00	
TOTAL PHASE B - VA	14,126	HEATING		0	SIGN/DISP		1.25	
AMPS	118	LIGHTING	2,520	1.25	KITCHEN	24,318	0.90	
TOTAL PHASE C - VA	15,606	RECEPTACLES		1.0/.5	EXISTING	13,500	1.00	
AMPS	130	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	42,838	SUPP HEAT	2,000	1.00	SHOW WNDW		1.25	42,036 VA
AMPS	119	MISC EQUIP	500	1.00	LTG TRACK		1.00	117 A

PANELBOARD NOTES

1. CONTROL VIA EXISTING LIGHTING CONTROL PANEL

PANELBOARD: S (NEW)

BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: W&S/OFFICES
MOUNTING: RECESSED
LOCATION: STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
N	1	VAV 10-1	750			12	20	2	1	20	12	500			HUMIDOR SHELF LTG	2	R
	3			750					1	20	12		1,200		W&S BEER SIGN	4	R
N	5	VAV 10-2			1,750	12	20	2	1	20	12			160	LTG - BAR RECESSED	6	R
	7		1,750						1	20	12	216			LTG - OVERHEAD RECESSED	8	R
N	9	VAV 10-3		1,000		12	20	2	1	20	12		500		LTG - BACK BAR DISPLAY	10	R
	11				1,000				1	20	12			180	LTG - BAR FLOODS	12	R
N	13	VAV 10-4	1,500			12	20	2				5,356				14	
	15			1,500					3	50	6		5,356		RTU-10 (OFFICES)	16	N
N	17	VAV 10-5			750	12	20	2						5,356		18	
	19		750						1	20	12	200			LTG - BAR TRELLIS	20	R
R	21	DINING COFFEE MAKER		1,800		10	30	2	2	30	10		2,000		W&S VESTIBULE ECH	22	R
	23				1,800									2,000		24	
N	25	DINING CONV RCPTS 3	900			12	20	1	1	20	12	540			BAR TVS 2	26	N
N	27	DINING TVS		360		12	20	1	1	20	12		780		BACK BAR COOLER 1	28	N
N	29	BAR TVS 1			360	12	20	1	1	20	12			780	BACK BAR COOLER 2	30	N
		SUBTOTAL	5,650	5,410	5,660							6,812	9,836	8,476	SUBTOTAL		

TOTAL PHASE A - VA	12,462	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	104	COOLING	16,068	1.00	REFRIG		1.00	
TOTAL PHASE B - VA	15,246	HEATING	11,500	0	SIGN/DISP	1,200	1.25	
AMPS	127	LIGHTING	1,756	1.25	KITCHEN	5,160	0.90	
TOTAL PHASE C - VA	14,136	RECEPTACLES	2,160	1.0/.5	EXISTING		1.00	
AMPS	118	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	41,844	SUPP HEAT	4,000	1.00	SHOW WNDW		1.25	30,567 VA
AMPS	116	MISC EQUIP		1.00	LTG TRACK		1.00	85 A

PANELBOARD NOTES

SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: T (EXISTING)

BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: REFRIGERATION
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
V	1	SPARE					20	1	1	20	EX	1,200			TRUCK OUTLET HEATER?	2	EX
V	3	SPARE					20	2	1	20	EX		1,000		HVAC CONTROL PANEL	4	EX
	5								1	20	EX			1,000	KCPL/INNOVATOR	6	EX
EX	7	CHEESE CASE FANS	500			EX	20	1	1	20	EX	1,000			KCPL/INNOVATOR	8	EX
	9	EQUIPPED SPACE						1	1	20	12		360		FROZEN CASE RCPT 1	10	R
V	11	SPARE					20	1	1	20	12			360	FROZEN CASE RCPT 2	12	R
	13		3,843						1	20	12	360			FROZEN CASE RCPT 3	14	R
EX	15	MOTOR ROOM HEATER		3,843		EX	40	3	1	20	12		360		FROZEN CASE RCPT 4	16	R
	17				3,843				1	20					SPARE	18	V
	19	EQUIPPED SPACE						1	1	20	EX	1,000			CULLIGAN WATER SYSTEM	20	EX
EX	21	DEMO		500		EX	20	1	2	20					SPARE	22	V
EX	23	SW FROZEN RCPT			500	EX	20	1								24	
	25		7,686						1	20	EX	500			DAIRY COLUMN RCPT	26	EX
EX	27	WALK IN FREEZER		7,686		EX	80	3	1	20	EX		500		DAIRY RCPT	28	EX
	29				7,686				1	20	EX			500	T STAT SOLENOID MEAT COF.	30	EX
		SUBTOTAL	12,029	12,029	12,029							4,060	2,220	1,860	SUBTOTAL		

TOTAL PHASE A - VA	16,089	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	134	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	14,249	HEATING		0	SIGN/DISP		1.25	
AMPS	119	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	13,889	RECEPTACLES	1,440	1.0/.5	EXISTING	42,787	0.80	
AMPS	116	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	44,227	SUPP HEAT		1.00	SHOW WNDW		1.25	35,670 VA
AMPS	123	MISC EQUIP		1.00	LTG TRACK		1.00	99 A

PANELBOARD NOTES

PANELBOARD: U (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: FRONT OFFICE
MOUNTING: SURFACE
LOCATION: STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
	1		7,073						1	20	12	720			BAR RCPTS & PRINTER	2	R
N	3	RTU-12 (WINE & SPIRITS)		7,073		4	70	3	1	20	12		540		SUSHI SCALE/TVS	4	V
	5				7,073				1	20	12			190	SUSHI RICE SHEETER	6	V
R	7	W&S VESTUBULE AUTO DOOR	1,000			12	20	1	1	20	12	540			BAR CONV RCPTS	8	R
R	9	SODA ICE MACHINE 2		1,435		12	20	2	1	20	12		540		DINING CONV RCPTS 1	10	R
	11				1,435				1	20	12			540	DINING CONV RCPTS 2	12	R
V	13	SPARE				EX	20	2	1	20	12	264			LTG - CUST RR VANITY	14	R
	15								1	20	12		540		HUMAN RESOURCES RCPT 1	16	R
R	17	DIRECTORS OFFICE RCPT 1			540	12	20	1	1	20	12			720	HUMAN RESOURCES RCPT 2	18	R
R	19	DIRECTORS OFFICE RCPT 2	540			12	20	1	1	20	12	360			HALLWAY RCPTS/TIMECLOCK	20	R
R	21	ASSISTANT MGRS RCPT		540		12	20	1	1	20	12		1,000		EMP. LOUNGE FRIDGE 1	22	R
R	23	RESTROOM RCPTS 1			720	12	20	1	1	20	12			1,000	EMP. LOUNGE FRIDGE 2	24	R
R	25	RESTROOM RCPTS 2	720			12	20	1	1	20	12	720			EMP. LOUNGE RCPTS/TV	26	R
R	27	RESTROOM RCPTS/MOTHERS ROOM		720		12	20	1	1	20	EX		500		EMS PANEL	28	EX
N,GF	29	EMP. LOUNGE POP MACH. 1			500	12	20	1	1	20	12			624	LTG - EMP LOUNGE/DEPT HD	30	R
N,GF	31	EMP. LOUNGE POP MACH. 2	500			12	20	1	1	20	12	522			LTG - ASST MGR/DIR OFF/HR	32	R
R	33	EMP. LOUNGE RCPTS		720		12	20	1	1	20	12		600		LTG - DRUM LIGHTS	34	R
R	35	W&S RFLN-2 DEFROST			697	12	20	2	1	20	12			450	LTG - TRACK PENDANTS	36	R
	37		697						1	20	12	200			LTG - CYLINDER LIGHTS	38	R (2)
R	39	W&S RFLN-2 FANS		1,248		12	20	1	1	20	12		60		CP-1	40	R
R	41	ROOFTOP RCPTS			720	12	20	1	1	20	EX			500	HVAC CONTROL PANEL	42	EX
		SUBTOTAL	10,530	11,736	11,685							3,326	3,780	4,024	SUBTOTAL		

TOTAL PHASE A - VA	13,856	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	115	COOLING	21,219	1.00	REFRIG	2,642	1.00	
TOTAL PHASE B - VA	15,516	HEATING		0	SIGN/DISP		1.25	
AMPS	129	LIGHTING	2,660	1.25	KITCHEN	3,060	1.00	
TOTAL PHASE C - VA	15,709	RECEPTACLES	12,440	1.0/.5	EXISTING	1,000	1.00	
AMPS	131	MOTORS	60	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	45,081	SUPP HEAT		1.00	SHOW WNDW		1.25	44,526 VA
AMPS	125	MISC EQUIP	2,000	1.00	LTG TRACK		1.00	124 A

PANELBOARD NOTES

PANELBOARD: V (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: BAKERY
MOUNTING: RECESSED
LOCATION: DRY STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.	
EX	1	DELI PREP DISPOSAL	500			EX	20	1	1	20	EX	1,000			JET	2	EX
EX	3	RANGE RCPT		500		EX	20	1	1	20	10		1,800		CAPPUCCINO MACHINE	4	R
EX	5	RANGE RCPT			500	EX	20	1	1	20	10			1,500	TEA	6	R
EX	7	TURBO OVEN	2,496			EX	30	2	1	20	EX	1,000			EXISTING LOAD	8	EX
	9			2,496					2	20	EX		1,664		DELI TOASTER	10	EX
EX	11	EXISTING LOAD			500	EX	20	1						1,664		12	
	13		456						1	20	12	804			KITCHEN REF. TABLE COOKLINE	14	R
N	15	KEF-3		456		12	20	3	1	20	EX		500		EXISTING LOAD	16	EX
	17				456				1	20	EX			500	RCPT IT RACK PRODUCE	18	EX
EX	19	DELI GAS FRYER	1,200			EX	20	1	2	20	EX	1,664			EXISTING LOAD	20	EX
	21			4,804									1,664			22	
EX	23	DELI FRYER			4,804	EX	50	3	1	20	EX			500	EXISTING LOAD	24	EX
	25		4,804									2,882				26	
EX	27	DELI COFFEE MAKER		2,496		EX	30	1	3	30	EX		2,882		EXISTING LOAD	28	EX
	29				2,496									2,882		30	
	31		4,804						1	20	EX	500			EXISTING LOAD	32	EX
EX	33	DELI FRYER		4,804		EX	50	3	1	20	EX		500		EXISTING LOAD	34	EX
	35				4,804				1	20	EX			500	EXISTING LOAD	36	EX
EX	37	SMOKER	2,496			EX	30	2	1	20	10	720			8 HEAD SODA MACHINE 1	38	R
	39			2,496					1	20	10		720		8 HEAD SODA MACHINE 2	40	R
(3) N	41	FRESH JUICE MACHINE			410	12	20	1	1	20	10			1,800	SODA ICE MAKER 1	42	R
		SUBTOTAL	16,756	18,052	13,970							8,570	9,730	9,346	SUBTOTAL		

TOTAL PHASE A - VA	25,326	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	211	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	27,782	HEATING		0	SIGN/DISP		1.25	
AMPS	232	LIGHTING		1.25	KITCHEN	7,754	0.65	
TOTAL PHASE C - VA	23,316	RECEPTACLES		1.0/.5	EXISTING	67,302	1.00	
AMPS	194	MOTORS	1,368	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	76,424	SUPP HEAT		1.00	SHOW WNDW		1.25	73,710 VA
AMPS	212	MISC EQUIP		1.00	LTG TRACK		1.00	205 A

PANELBOARD NOTES

PANELBOARD LEGEND

ABBREVIATIONS — V1.00

AF	ARC FAULT CIRCUIT INTERRUPTER.
C#	CIRCUIT VIA LIGHTING CONTACTOR #.
CL	CIRCUIT VIA CURRENT LIMITING DEVICE.
D	DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO SPARE AND TURN OFF.
EM	EMERGENCY LIGHTING HANDLE-ON CLAMP.
EX	EXISTING.
F	FUTURE LOAD; NOTE AS SPARE AND TURN OFF.
FA	RED/HANDLE-ON CLAMP.
GF	GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).
GFEP	GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).
HT	PROVIDE HANDLE-TIE FOR MULTI-WIRE BRANCH CIRCUIT PER CODE.
IG	ISOLATED GROUND CIRCUIT.
L#	LIGHTING CONTROL SCHEME NUMBER.
LCK	HANDLE PADLOCKABLE-OFF DEVICE.
LO	HANDLE-ON CLAMP.
N	PROVIDE NEW CIRCUIT BREAKER.
OL	REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.
PS	POWER-SWITCHING CIRCUIT BREAKER.
PSE	EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.
R	REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.
RP	CIRCUIT VIA RELAY PANEL.
ST	SHUNT TRIP CIRCUIT BREAKER.
V	VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE AND TURN OFF.
VD	BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST GROUND WIRE SIZE PER CODE, PROVIDE LUG ADAPTORS IF REQUIRED.
Z	CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.

NOT ALL ABBREVIATIONS ARE USED.

REVISION	DATE BY
2 ASI #2	01/07/21
3 ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL
STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 26 2021
DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

HyVee® EMPLOYEE OWNED

NORTH PLAN NORTH

ELECTRICAL PANEL SCHEDULES

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET: E1.2

1/26/2021 8:53:52 AM
DEAN W. CHANDLER

PANELBOARD: VV (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: BACK OF HOUSE
MOUNTING: RECESSED
LOCATION: DRY STORAGE

LINE-SIDE LUGS: MECHANICAL
EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	*BACKROOM LIGHTS*	1,200			EX	20	1	1	20	EX	1,000			*UNIT HEATERS*	2	EX
EX	3	*BACKROOM LIGHTS*		1,200		EX	20	1	1	20	12		360		**DSD ROOM RCPTS**	4	R
EX	5	*BACKROOM LIGHTS*			1,200	EX	20	1	1	20	12			252	**CS-1**	6	R
EX	7	*BACKROOM LIGHTS*	1,200			EX	20	1	1	20	EX	1,200			*POP STORAGE LTG*	8	EX
EX	9	*DOCK RCPT*		500		EX	20	1	1	20	EX		1,200		*POP STORAGE LTG*	10	EX
	11	EQUIPPED SPACE						1	1	20	EX			500	*DSD ROOM AC*	12	EX
	13		1,921						1	20	EX	500			*EXISTING LOAD*	14	EX
EX	15	*EAST DOCK LEVELER*		1,921		EX	20	3	1	20	EX		1,000		*FLOOR MACHINE RCPT*	16	EX
	17				1,921				1	20	12			1,000	**EMP. LOUNGE MICROWAVE**	18	R
	19		1,921						1	20					**SPARE**	20	V
EX	21	*WEST DOCK LEVELER*		1,921		EX	20	3	1	20	12		500		**TF-1**	22	R
	23				1,921				1	20	12			500	**TF-2**	24	R
	25		4,804						1	20	EX	1,000			BAKERY OVEN & AROMA FAN	26	EX
EX	27	*SOUTH COMPACTOR*		4,804		EX	50	3					456			28	
	29				4,804				3	20	12			456	**KEF-8**	30	N
EX	31	*RCPTS SOUTH ENTRY*	500			EX	20	1				456				32	
EX	33	*RCPTS SOUTH ENTRY*		500		EX	20	1	1	20	12		500		**H-8 HOOD CONTROL**	34	R
EX	35	*RCPTS SOUTH ENTRY*			500	EX	20	1	1	20	12			270	**HIBACHI COLD BAR**	36	R
EX	37	*RCPTS SOUTH ENTRY*	500			EX	20	1	1	20	12	500			**H-2 HOOD CONTROL**	38	R
EX	39	*RCPTS SOUTH ENTRY*		500		EX	20	1	1	20	12		180		**CHECKOUT PRINTER**	40	R
EX	41	*RCPT ALARM BACK ROOM*			500	EX	20	1	1	20	EX			1,000	*RCPT BACK DOOR/COKE MACH.*	42	EX
		SUBTOTAL	12,046	11,346	10,846							4,656	4,196	3,978	SUBTOTAL		

TOTAL PHASE A - VA	16,702	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	139	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	15,542	HEATING		0	SIGN/DISP		1.25	
AMPS	130	LIGHTING		1.25	KITCHEN	1,270	1.00	
TOTAL PHASE C - VA	14,824	RECEPTACLES	540	1.0/.5	EXISTING	42,638	1.00	
AMPS	124	MOTORS	1,620	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	47,068	SUPP HEAT		1.00	SHOW WNDW		1.25	47,068 VA
AMPS	131	MISC EQUIP	1,000	1.00	LTG TRACK		1.00	131 A

PANELBOARD NOTES

PANELBOARD: W (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: DELI
MOUNTING: RECESSED
LOCATION: DRY STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
	1		1,741						1	20	EX	500			*RTU #3 SMOKE DETECTOR*	2	EX
R	3	**MAU-1 CONDENSER 1**		1,741		12	20	3	1	20	EX		500		*BAGIN BOX*	4	EX
	5				1,741				1	20	EX			500	*EXISTING LOAD*	6	EX
	7		2,570						1	20	EX	500			*EXISTING LOAD*	8	EX
N	9	**MAU-1 CONDENSER 2**		2,570		10	30	3					793			10	
	11				2,570				3	20	12			793	**KEF-2**	12	N
	13		733									793				14	
R	15	**KEF-1A**		733		12	20	3	1						EQUIPPED SPACE	16	V
	17				733				1	20	EX			500	*CHINESE FRYER, PRINTER*	18	EX
	19		456						1	20	12	500			**ASIAN/HIBACHI TV MENUS**	20	R
R	21	**KEF-1B**		456		12	20	3	1	20	12		500		**HICKORY/REGISTERS TV MENUS**	22	R
	23				456				1	20	12			1,600	**PIZZA REF TABLE**	24	R
	25		6,725						1	20	EX	500			*PIZZA HOT LAMPS*	26	EX
EX	27	*RTU-3 (DINING)*		6,725		EX	70	3	1	20	12		1,120		**KITCHEN REACH IN FREEZER**	28	R
	29				6,725				1	20	12			360	**PIZZA TVS**	30	R
	31	EQUIPPED SPACE						1	1	20	12	480			**PIZZA OVEN VIA HCP**	32	N,GF
EX	33	*ROOF TOP #3 GFI*		500		EX	20	1	1	20	12		1,150		**PIZZA DOUGH PRESS**	34	R
	35	EQUIPPED SPACE						1	1	20	12			500	**PIZZA SCALE AND LOWERATOR**	36	R
	37		7,686						1	20	12	756			**PIZZA - EF-4**	38	R
EX	39	*EXISTING LOAD*		7,686		EX	80	3	1	20	12		500		**HOOD H-4 CONTROL**	40	R
	41				7,686				1	20	EX			500	*PIZZA COLUMN RCPT*	42	EX
		SUBTOTAL	19,911	20,411	19,911							4,029	4,563	4,753	SUBTOTAL		

TOTAL PHASE A - VA	23,940	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	200	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	24,974	HEATING		0	SIGN/DISP		1.25	
AMPS	208	LIGHTING		1.25	KITCHEN	4,850	0.70	
TOTAL PHASE C - VA	24,664	RECEPTACLES	1,860	1.0/.5	EXISTING	47,233	1.00	
AMPS	206	MOTORS	19,635	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	73,578	SUPP HEAT		1.00	SHOW WNDW		1.25	72,123 VA
AMPS	204	MISC EQUIP		1.00	LTG TRACK		1.00	200 A

PANELBOARD NOTES

PANELBOARD: X (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: KITCHEN
MOUNTING: RECESSED
LOCATION: DRY STORAGE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
R	1	**CHINESE PRINTERS**	360			12	20	1				4,323				2	
R	3	**CHINESE RICE WARMER/LOW.**		500		12	20	1	3	50	6		4,323		**BAKERY PROOFER**	4	N
R	5	**CHINESE REF. TABLE**			1,080	12	20	1						4,323		6	
	7		2,954						1	20	12	500			**BAKERY PROOFER CONTROL**	8	R
R	9	**DELI DISHWASHER**		2,954		10	30	3	1	20	12		360		**BAKERY FLOOR BOXES**	10	R
	11				2,954				2	20	EX			1,664	*BACK RM ICE MACHINE*	12	EX
EX	13	*PANINI PRESS*	1,664			EX	20	2				1,664				14	
	15			1,664					1	20	12		600		**WH-1 A**	16	R
R	17	**KITCHEN OIL SYSTEM**			1,320	12	20	1	1	20	12			600	**WH-1 B**	18	R
EX	19	*EXISTING LOAD*	500			EX	20	1	1	30	EX	500			*EXISTING LOAD*	20	EX
EX	21	*EXISTING LOAD*		500		EX	20	1	2	20	EX		1,664		*EXISTING LOAD*	22	EX
EX	23	*EXISTING LOAD*			500	EX	20	1						1,664		24	
EX	25	*EXISTING LOAD*	500			EX	20	1				5,440				26	
EX	27	*PRODUCE BUG LIGHT*		500		EX	20	1	3	60	6		5,440		**MAU-1 FANS**	28	N
EX	29	*WINE TASTING RCPT*			500	EX	20	1						5,440		30	
EX	31	*WINE TASTING RCPT*	500			EX	20	1	1	20	EX	500			*CLG RCPT FRUIT & JUICE RCPT*	32	EX
R	33	**BAKERY WRAPPER**		500		12	20	1	1	20	12		1,375		**CHINESE HEAT LAMPS 1**	34	R
R	35	**BAKERY SCALES 2**			360	12	20	1	1	20	12			1,375	**CHINESE HEAT LAMPS 2**	36	R
EX	37	*BAKERY DISPLAY CASE*	500			EX	20	1				9,607				38	
EX	39	*TV RCPT*		500		EX	20	1	3	100	EX		9,607		*BAKERY PAN WASH*	40	EX
EX	41	*TV RCPT*			500	EX	20	1						9,607		42	
		SUBTOTAL	6,978	7,118	7,214							22,534	23,369	24,673	SUBTOTAL		

TOTAL PHASE A - VA	29,512	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	246	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	30,487	HEATING		0	SIGN/DISP		1.25	
AMPS	254	LIGHTING	2,750	1.25	KITCHEN	15,049	0.80	
TOTAL PHASE C - VA	31,887	RECEPTACLES	1,080	1.0/.5	EXISTING	44,805	0.80	
AMPS	266	MOTORS	25,182	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	91,886	SUPP HEAT	1,200	1.00	SHOW WNDW		1.25	80,603 VA
AMPS	255	MISC EQUIP	1,820	1.00	LTG TRACK		1.00	224 A

PANELBOARD NOTES

PANELBOARD: AA1 (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR
SERVES: FRONT OF HOUSE
MOUNTING: RECESSED
LOCATION: CUSTOMER SERVICE

LINE-SIDE LUGS: MECHANICAL
EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	*JEWELRY GONDOLA*	500			EX	20	1	1	20	EX	500			*DRY CLEAN & POSTAL IG*	2	EX
EX	3	*GONDOLA*		500		EX	20	1	1	20	EX		1,000		*2014 WATER DISP.*	4	EX
EX	5	*S POP MACHINE RCPTS*			1,000	EX	20	1	1	20	EX			500	*DEMO RCPT WEST END*	6	EX
EX	7	*S POP MACHINE RCPTS*	1,000			EX	20	1	1	20	EX	1,000			*EXISTING LOAD*	8	EX
EX	9	*EXISTING LOAD*		1,000		EX	20	1	1	20	EX		1,000		*EXISTING LOAD*	10	EX
EX	11	*EXISTING LOAD*			1,000	EX	20	1	1	20	EX			1,000	*EXISTING LOAD*	12	EX
EX	13	*EXISTING LOAD*	1,000			EX	20	1	1	20	EX	1,000			*EXISTING LOAD*	14	EX
EX	15	*EXISTING LOAD*		1,000		EX	20	1	1	30	EX		1,000		COFFEE GRINDER	16	EX
EX	17	*EXISTING LOAD*			1,000	EX	20	1	2	40	EX			3,328	*EXISTING LOAD*	18	EX
EX	19	*EXISTING LOAD*	1,000			EX	20	1				3,328				20	
EX	21	*EXISTING LOAD*		1,000		EX	20	1	1	20	EX		1,000		*EXISTING LOAD*	22	EX
EX	23	*EXISTING LOAD*			1,000	EX	20	1	1	20	EX			1,000	*EXISTING LOAD*	24	EX
EX	25	*EXISTING LOAD*	1,664			EX	20	2	1	20	12	1,000			**RED BOX POWER POLE**	26	R
	27			1,664					1	20	EX		500		*POLE LIGHT RCPT*	28	EX
EX	29	*EXISTING LOAD*			1,000	EX	20	1	1	20	EX			1,000	*POP MACHINE*	30	EX
EX	31	*EXISTING LOAD*	1,000			EX	20	1	1	20	EX	1,000			*POP MACHINE*	32	EX
EX	33	*SANDWICH CASE*		2,496		EX	30	2	1	20	EX		1,000		*POP MACHINE*	34	EX
	35				2,496				1	20	EX			1,000	*LOTTO MACHINE*	36	EX
EX	37	*RCPT AT SANDWICH CASE*	500			EX	20	1	1	20	EX	1,000			*MILK COOLER*	38	EX
EX	39	*EXISTING LOAD*		1,000		EX	20	1	1	20	12		180		**CART CHARGER 1**	40	R
EX	41	*EXISTING LOAD*			1,000	EX	20	1	1	20	12			180	**CART CHARGER 2**	42	R
		SUBTOTAL	6,664	8,660	8,496							8,828	5,680	8,008	SUBTOTAL		

TOTAL PHASE A - VA	15,492	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	129	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	14,340	HEATING		0	SIGN/DISP		1.25	
AMPS	120	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	16,504	RECEPTACLES	1,360	1.0/.5	EXISTING	44,976	1.00	
AMPS	138	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	46,336	SUPP HEAT		1.00	SHOW WNDW		1.25	46,336 VA
AMPS	129	MISC EQUIP		1.00	LTG TRACK		1.00	129 A

PANELBOARD NOTES

PANELBOARD: AA2 (RELOCATED)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP2
AIC RATING: 10000 FULLY RATED
SERVES: LIQUOR
MOUNTING: RECESSED
LOCATION: CLINIC HALL

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	*LIQUOR NEON - FRONT DOOR*	1,200			EX	20	1	2	20	12	750			**VAV 6-5**	2	N
EX	3	*RED BULL COOLER*		1,200		EX	20	1					750			4	
EX	5	*CIGARETTE SIGNAGE*			1,200	EX	20	1	1	20	12			500	**DSW/JF LOCKERS**	6	R
EX	7	*LIQUOR COUNTER REGISTERS*	500			EX	20	1	1	20	EX	500			*LOTTO MACHINE*	8	EX
EX	9	*? ROOM RCPTS*		500		EX	20	1	1	20	EX		500		*BAG ICE STORAGE*	10	EX
EX	11	*LIQUOR NEON - NORTH WALL*			1,200	EX	20	1	1	20	12			360	**DSW/JF RCPTS**	12	R
EX	13	*CORD DROP AISLE 15*	500			EX	20	1	1	20	12	180			**DSW/JF CHECKOUT MONITOR**	14	R
EX	15	*CORD DROP AISLE 17*		500		EX	20	1	2	50					SPARE	16	EX
N	17	**SALES FLOOR - GRINDER 1**			1,000	12	20	2								18	
	19		1,000						1	20	12	540			**DSW DIGITAL WALL 2**	20	R
N	21	**SALES FLOOR - GRINDER 2**		1,000		12	20	2	1	20	12		540		**DSW DIGITAL WALL 3**	22	R
	23				1,000									5,356		24	
N	25	**VAV 6-1**	3,000			8	40	2	3	50	6	5,356			**RTU-6 (PHARMACY)**	26	R
	27			3,000									5,356			28	
N	29	**VAV 6-2**			2,750	8	40	2	2	25					SPARE	30	V
	31		2,750													32	
N	33	**VAV 6-3**		1,250		12	20	2	1	20					SPARE	34	V
	35				1,250											36	
N	37	**VAV 6-4**	2,500			8	40	2	3	70					SPARE	38	V
	39			2,500												40	
V	41	SPARE					20	1	1	20					SPARE	42	V
		SUBTOTAL	11,450	9,950	8,400							7,326	7,146	6,216	SUBTOTAL		

TOTAL PHASE A - VA	18,776	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	156	COOLING	16,068	0	REFRIG		1.00	
TOTAL PHASE B - VA	17,096	HEATING	20,500	1.00	SIGN/DISP		1.25	
AMPS	142	LIGHTING		1.25	KITCHEN	4,000	1.00	
TOTAL PHASE C - VA	14,616	RECEPTACLES	1,620	1.0/.5	EXISTING	7,800	1.00	
AMPS	122	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	50,488	SUPP HEAT		1.00	SHOW WNDW		1.25	34,420 VA
AMPS	140	MISC EQUIP	500	1.00	LTG TRACK		1.00	96 A

PANELBOARD NOTES

PANELBOARD: AB (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP2
AIC RATING: 10000 FULLY RATED
SERVES: REFRIGERATION
MOUNTING: RECESSED
LOCATION: ABOVE MILK/DAIRY COOLER

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	*DAIRY ISLAND CASES*	500			EX	20	1	1	20	EX	1,200			*DAIRY AREA LTG*	2	EX
EX	3	*DAIRY ISLAND CASES*		500		EX	20	1	1	20	EX		1,200		*DAIRY AREA LTG*	4	EX
EX	5	*DAIRY ISLAND RCPT*			500	EX	20	1	1	20	EX			1,200	*DAIRY AREA LTG*	6	EX
EX	7	*DAIRY CASES N & E WALLS*	500			EX	20	1	1	20	EX	1,200			*DAIRY AREA LTG*	8	EX
EX	9	*DAIRY CASES N & E WALLS*		500		EX	20	1	1	20	EX		500		*EXISTING LOAD*	10	EX
EX	11	*DAIRY ISLAND RCPTS*			500	EX	20	1	1	20	EX			500	*EXISTING LOAD*	12	EX
EX	13	*DAIRY ISLAND CASES*	500			EX	20	1	1	20	EX	500			*NORTH EXIT DOOR ALARM*	14	EX
EX	15	*DAIRY ISLAND CASES*		500		EX	20	1	1	20	EX		500		*WEST WALL DAIRY CASES*	16	EX
EX	17	*COMPRESSOR RACK CTRL*			500	EX	20	1	1	20	EX			500	*WEST WALL DAIRY CASES*	18	EX
EX	19	*LTS ABOVE RACK*	500			EX	20	1	1	20	EX	500			*WEST WALL DAIRY CASES*	20	EX
V	21	SPARE					20	1	1	20	EX		500		*DAIRY CEILING FANS*	22	EX
V	23	SPARE					20	1	1	20					SPARE	24	V
EX	25	*CULLIGAN H20 DISP.*	500			EX	20	1	1	20	EX	500			*PANEL RCPT*	26	EX
V	27	SPARE					20	1	1	20					SPARE	28	V
V	29	SPARE					20	1	1	20					SPARE	30	V
	31		4,804						1						EQUIPPED SPACE	32	
EX	33	*EXISTING LOAD*		4,804		EX	50	3	1						EQUIPPED SPACE	34	
	35				4,804				1						EQUIPPED SPACE	36	
	37	EQUIPPED SPACE						1	1						EQUIPPED SPACE	38	
	39	EQUIPPED SPACE						1	1						EQUIPPED SPACE	40	
	41	EQUIPPED SPACE						1	1						EQUIPPED SPACE	42	
		SUBTOTAL	7,304	6,304	6,304							3,900	2,700	2,200	SUBTOTAL		

TOTAL PHASE A - VA	11,204	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	93	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	9,004	HEATING		0	SIGN/DISP		1.25	
AMPS	75	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	8,504	RECEPTACLES		1.0/.5	EXISTING	28,712	1.00	
AMPS	71	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	28,712	SUPP HEAT		1.00	SHOW WNDW		1.25	28,712 VA
AMPS	80	MISC EQUIP		1.00	LTG TRACK		1.00	80 A

PANELBOARD NOTES

PANELBOARD: BB (NEW)

2

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP1
AIC RATING: 10000 FULLY RATED
SERVES: FRONT OF HOUSE
MOUNTING: SURFACE
LOCATION: CLINIC HALL

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
R	1	**CHECKSTAND 8 DIRTY**	500			12	20	1	1	20	12	500			**CHECKSTAND 9 DIRTY**	2	R
R	3	**CHECKSTAND 10 DIRTY**		500		12	20	1	1	20					**SPARE**	4	V
R	5	**SELF CHECKOUT 1 DIRTY**			500	12	20	1	1	20					**SPARE**	6	V
R	7	**SELF CHECKOUT 4 DIRTY**	500			12	20	1	1	20	12	500			**SELF CHECKOUT 3 DIRTY**	8	R
R	9	**SELF CHECKOUT 2 DIRTY**		500		12	20	1	1	20	12		500		**CHECKSTAND 1 DIRTY**	10	R
R	11	**CHECKSTAND 2 DIRTY**			500	EX	20	1	1	20	12			500	**CHECKSTAND 3 DIRTY**	12	R
R	13	**LTG - PHARMACY**	486			12	20	1	1	20	12	500			**CHECKSTAND 4 DIRTY**	14	R
R	15	**LTG - PHARMACY SOFFIT**		144		12	20	1	1	20	12		500		**CHECKSTAND 5 DIRTY**	16	R
R	17	**LTG - CLINIC**			504	12	20	1	1	20	12			500	**CHECKSTAND 6 DIRTY**	18	R
R	19	**DSW DIGITAL WALL 1**	540			12	20	1	1	20	12	500			**CHECKSTAND 7 DIRTY**	20	R
R	21	**DSW/JF CHECKOUT RCPTS**		360		12	20	1	1	20					**SPARE**	22	V
R	23	**PREMIUM CANDY**			1,000	12	20	1	1	20					**SPARE**	24	V
EX	25	*PHARMACY TUBE BLOWER*	2,496			EX	30	2	1	20					**SPARE**	26	V
	27			2,496					1	20					**SPARE**	28	V
N	29	**WH-6**			1,500	12	20	2	1	20					**SPARE**	30	V
	31		1,500						1	20					**SPARE**	32	V
	33	EQUIPPED SPACE						1	2	50	EX		4,160		*EXISTING LOAD*	34	EX
R	35	**LTG - FLORAL TRACK**			64	12	20	1						4,160		36	
EX	37	*POP MACHINES*	500			EX	20	1	1	20					**SPARE**	38	V
EX	39	*EXISTING LOAD*		1,000		EX	20	2	1						EQUIPPED SPACE	40	
	41				1,000				1	20					**SPARE**	42	V
		SUBTOTAL	6,522	5,000	5,068							2,000	5,160	5,160	SUBTOTAL		

TOTAL PHASE A - VA	8,522	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	71	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	10,160	HEATING		0	SIGN/DISP		1.25	
AMPS	85	LIGHTING	1,198	1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	10,228	RECEPTACLES	1,400	1.0/.5	EXISTING	8,320	1.00	
AMPS	85	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	28,910	SUPP HEAT	3,000	1.00	SHOW WNDW		1.25	29,210 VA
AMPS	80	MISC EQUIP	14,992	1.00	LTG TRACK		1.00	81 A

PANELBOARD NOTES

PANELBOARD: LL (NEW)

2

BUS AMPS: 100A
MAIN SIZE/TYPE: 100A MCB
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: PNLBD L
AIC RATING: 10000 FULLY RATED
SERVES: FRONT OF HOUSE
MOUNTING: RECESSED
LOCATION: CUSTOMER SERVICE

EQUIPMENT GROUND BUS

	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
EX	1	*NEW COMM RACK RCPT*	500			EX	20	1	1	20	12	360			**CASH ACCT COMPUTER**	2	R,EM
FA,EX	3	*FIRE ALARM PANEL*		500		EX	20	1	1	20	EX		500		*EXISTING LOAD*	4	EX
EX	5	*RCPT SECURITY ROOM*			500	EX	20	1	1	20					SPARE	6	V
EX	7	*PHOTO CELL FOR R*	500			EX	20	1	1	20	EX	500			*EXISTING LOAD*	8	EX
V	9	SPARE					20	1	1	20	EX		500		*SECURITY PANEL RCPT*	10	EX
EX	11	*EXISTING LOAD*			500	EX	20	1	1	20	12			288	**EM LTG - CUST SERVICE/FOH**	12	R,EM
EX	13	*EXISTING LOAD*	500			EX	20	1	1	20	12	630			**EM LTG - CLINIC/PHARMACY**	14	R,EM
EX	15	*AUTO DOOR OPENER N*		500		EX	20	1	1	20	EX		500		*CARRY OUT DOOR OPENER*	16	EX
EX	17	*AUTO DOOR OPENER N*			500	EX	20	1	1	20	EX			500	*SAFE*	18	EX
EX	19	*AUTO DOOR OPENER S*	500			EX	20	1	1	20	EX	1,200			*SECURITY ROOM LTG'*	20	EX
EX	21	*AUTO DOOR OPENER S*		500		EX	20	1	1	20					SPARE	22	V
EX	23	*S DOOR SPARE*			500	EX	20	1	1	20					SPARE	24	V
EX	25	*RED BOX, LOTTO, COINSTAR*	500			EX	20	1	1	20					SPARE	26	V
EX	27	*EXISTING LOAD*		500		EX	20	1	2	20	EX		1,664		*EMERGENCY POLE LIGHT*	28	EX
EX	29	*EXISTING LOAD*			500	EX	20	1						1,664		30	
		SUBTOTAL	2,500	2,000	2,500							2,690	3,164	2,452	SUBTOTAL		

TOTAL PHASE A - VA	5,190	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	43	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	5,164	HEATING		0	SIGN/DISP		1.25	
AMPS	43	LIGHTING	918	1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	4,952	RECEPTACLES	360	1.0/.5	EXISTING	14,028	1.00	
AMPS	41	MOTORS		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	15,306	SUPP HEAT		1.00	SHOW WNDW		1.25	15,536 VA
AMPS	42	MISC EQUIP		1.00	LTG TRACK		1.00	43 A

PANELBOARD NOTES

PANELBOARD LEGEND

ABBREVIATIONS — V1.00

AF ARC FAULT CIRCUIT INTERRUPTER.
C# CIRCUIT VIA LIGHTING CONTACTOR #.
CL CIRCUIT VIA CURRENT LIMITING DEVICE.
D DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO SPARE AND TURN OFF.
EM EMERGENCY LIGHTING HANDLE-ON CLAMP.
EX EXISTING.
F FUTURE LOAD; NOTE AS SPARE AND TURN OFF.
FA RED/HANDLE-ON CLAMP.
GF GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).
GFEP GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).
HT PROVIDE HANDLE-TIE FOR MULTI-WIRE BRANCH CIRCUIT PER CODE.
IG ISOLATED GROUND CIRCUIT.
L# LIGHTING CONTROL SCHEME NUMBER.
LCK HANDLE PADLOCKABLE-OFF DEVICE.
LO HANDLE-ON CLAMP.
N PROVIDE NEW CIRCUIT BREAKER.
OL REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.
PS POWER-SWITCHING CIRCUIT BREAKER.
PSE EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.
R REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.
RP CIRCUIT VIA RELAY PANEL.
ST SHUNT TRIP CIRCUIT BREAKER.
V VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE AND TURN OFF.
VD BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST GROUND WIRE SIZE PER CODE. PROVIDE LUG ADAPTORS IF REQUIRED.
Z CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.

NOT ALL ABBREVIATIONS ARE USED.

REVISION	DATE BY
2 ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL
STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER
Jan 8 2021
DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

Hy-Vee® EMPLOYEE OWNED
HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

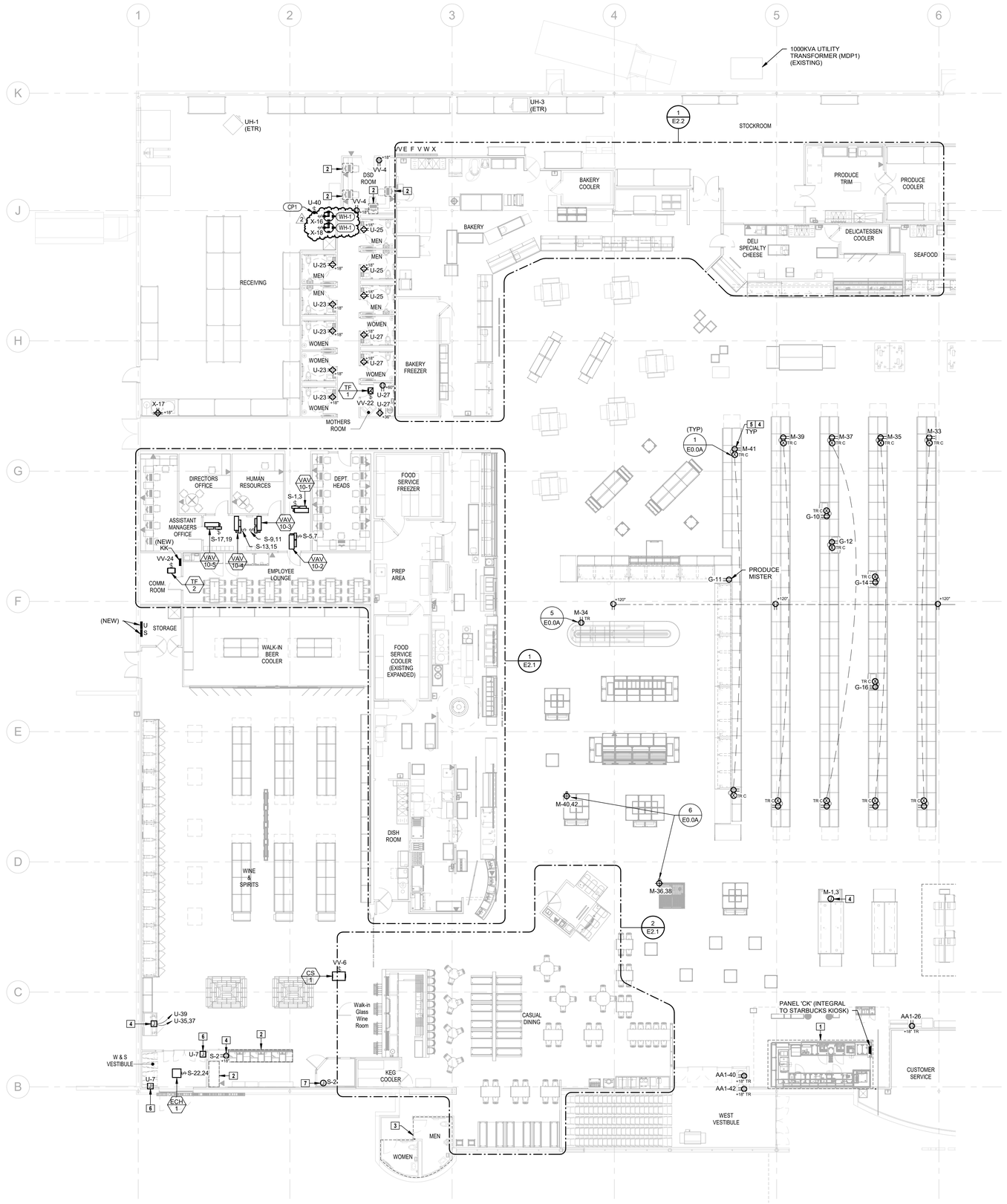
NORTH PLAN NORTH

ELECTRICAL PANEL SCHEDULES

PROJECT MANAGER: SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

SHEET: E1.3

DEAN W. CHANDLER
1/8/2021 8:38:10 AM



1 ELECTRICAL PLAN - PART A
3/32" = 1'-0"

ELECTRICAL PLAN NOTES

1. REFER TO STARBUCKS DRAWINGS (BY OTHERS) FOR POWER & SYSTEMS SCOPE OF WORK.
2. REFER TO SHEET E4.4 (SHEET BY OTHERS) FOR POWER & SYSTEMS SCOPE OF WORK.
3. EXISTING ROOM/SPACE TO REMAIN . COORDINATE REMODEL WORK WITH CONSTRUCTION PHASE AND OVERALL PLAN FOR REMODEL OF STORE.
4. ROUTE CONDUIT(S) CONCEALED/UNDERSLAB TO NEAREST FULL HEIGHT WALL FOR CONTINUATION. COORDINATE STUB-UP LOCATION WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. REFER TO PE1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION.
5. REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.
6. IF SWITCH IS NOT FURNISHED WITH AUTO DOOR THEN PROVIDE ON/OFF SERVICE SWITCH AND RELATED CIRCUITRY WITHIN SIGHT OF MOTOR PER CODE. COORDINATE REQUIREMENTS WITH DOOR INSTALLER AND OWNER PRIOR TO ROUGH-IN.
7. PROVIDE JUNCTION BOX FOR CONNECTION TO HUMIDOR SHELVING LED LIGHTING. COORDINATE REQUIREMENTS WITH HUMIDOR INSTALLER AND OWNER PRIOR TO ROUGH-IN.

REFER TO 'EQUIPMENT INSTALLATION AND SERVICE CONNECTIONS' SCHEDULE ON DRAWING E0.1 FOR EQUIPMENT TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR. (EC)

REVISION		DATE BY
2	ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

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Jan 8 2021
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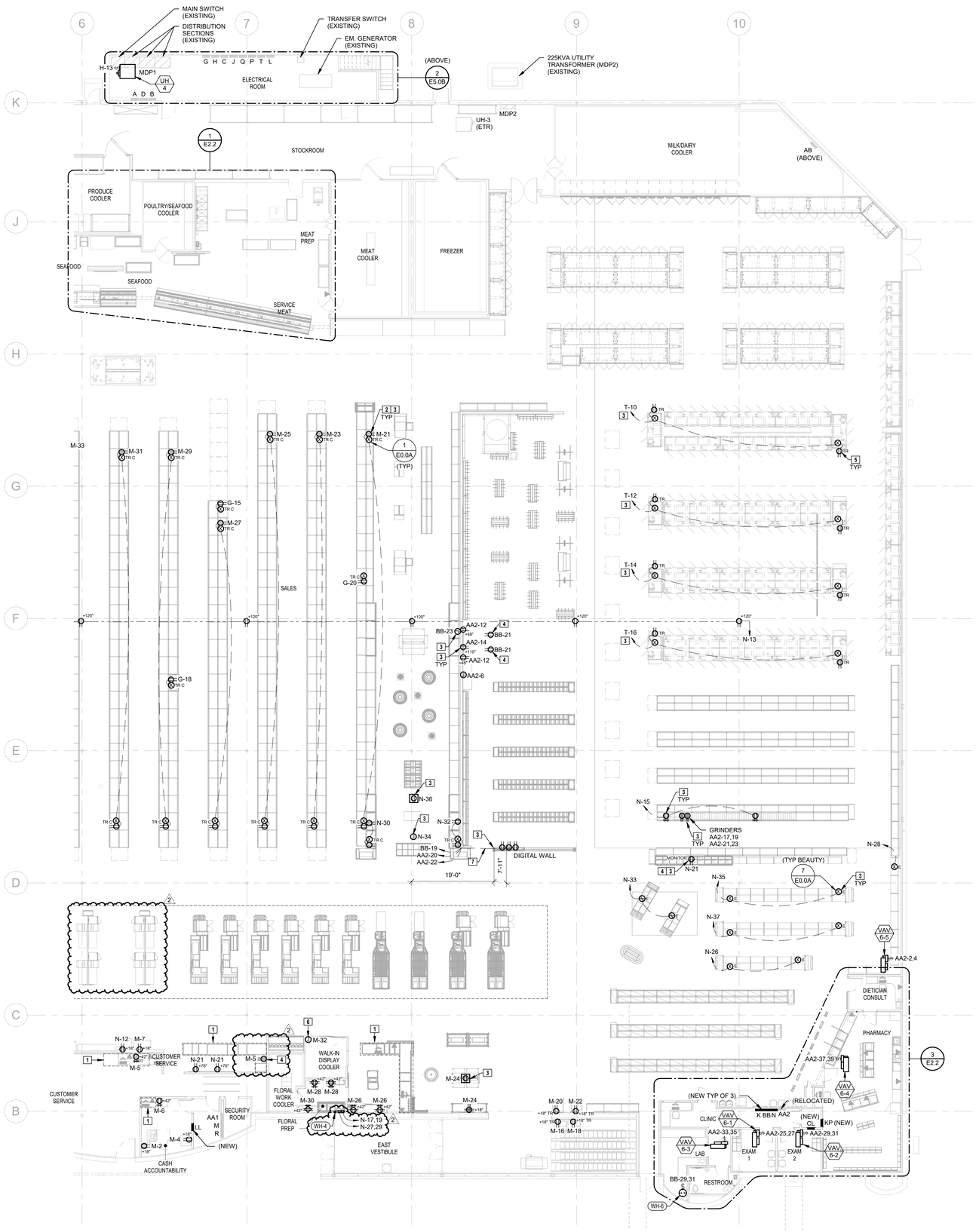
Hy-Vee EMPLOYEE OWNED

NORTH PLAN NORTH

ELECTRICAL PLAN - PART A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547
SHEET:	
E2.0A	

DEAN W. CHANDLER
1/8/2021 8:38:21 AM



1 ELECTRICAL PLAN - PART B
3/32" = 1'-0"

ELECTRICAL PLAN NOTES

1. REFER TO SHEET E4.4 (SHEET BY OTHERS) FOR POWER & SYSTEMS SCOPE OF WORK.
2. REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION. OTHERWISE REPLACE.
3. ROUTE CONDUIT(S) CONCEALED/UNDERSLAB TO NEAREST FULL HEIGHT WALL FOR CONTINUATION. COORDINATE STUB-UP LOCATION WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. REFER TO PE1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION.
4. INSTALL RECEPTACLE(S) AND DATA BOX(ES) IN AN ACCESSIBLE LOCATION UNDER COUNTER IN MILLWORK; LOCATE SUCH THAT DRAWERS AND DIVIDERS DO NOT BLOCK ACCESS TO DEVICE. COORDINATE LOCATION WITH OWNER AN OTHER TRADES PRIOR TO ROUGH-IN.
5. RECEPTACLES MOUNTED IN THE BASEPLATE OF THE CASE. ROUTE ELECTRICAL FROM CASE ROUGH-IN LOCATION. COORDINATE MOUNTING OF RECEPTACLE WITH CASE SUPPLIER AND REFRIGERATION CONTRACTOR.
6. IF SWITCH IS NOT FURNISHED WITH AUTO DOOR THEN PROVIDE ON/OFF SERVICE SWITCH AND RELATED CIRCUITRY WITHIN SIGHT OF MOTOR PER CODE. COORDINATE REQUIREMENTS WITH DOOR INSTALLER AND OWNER PRIOR TO ROUGH-IN.
7. EXTEND 1" CONDUIT UNDERFLOOR FROM WALL TO DIGITAL SHOE WALL WITH THREE 120V CIRCUITS FOR MONITORS.

REVISION		DATE BY
2	ASI #2	01/08/21

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8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
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WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 8 2021
DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
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TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee EMPLOYEE OWNED

NORTH PLAN NORTH

ELECTRICAL PLAN - PART B

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
E2.0B

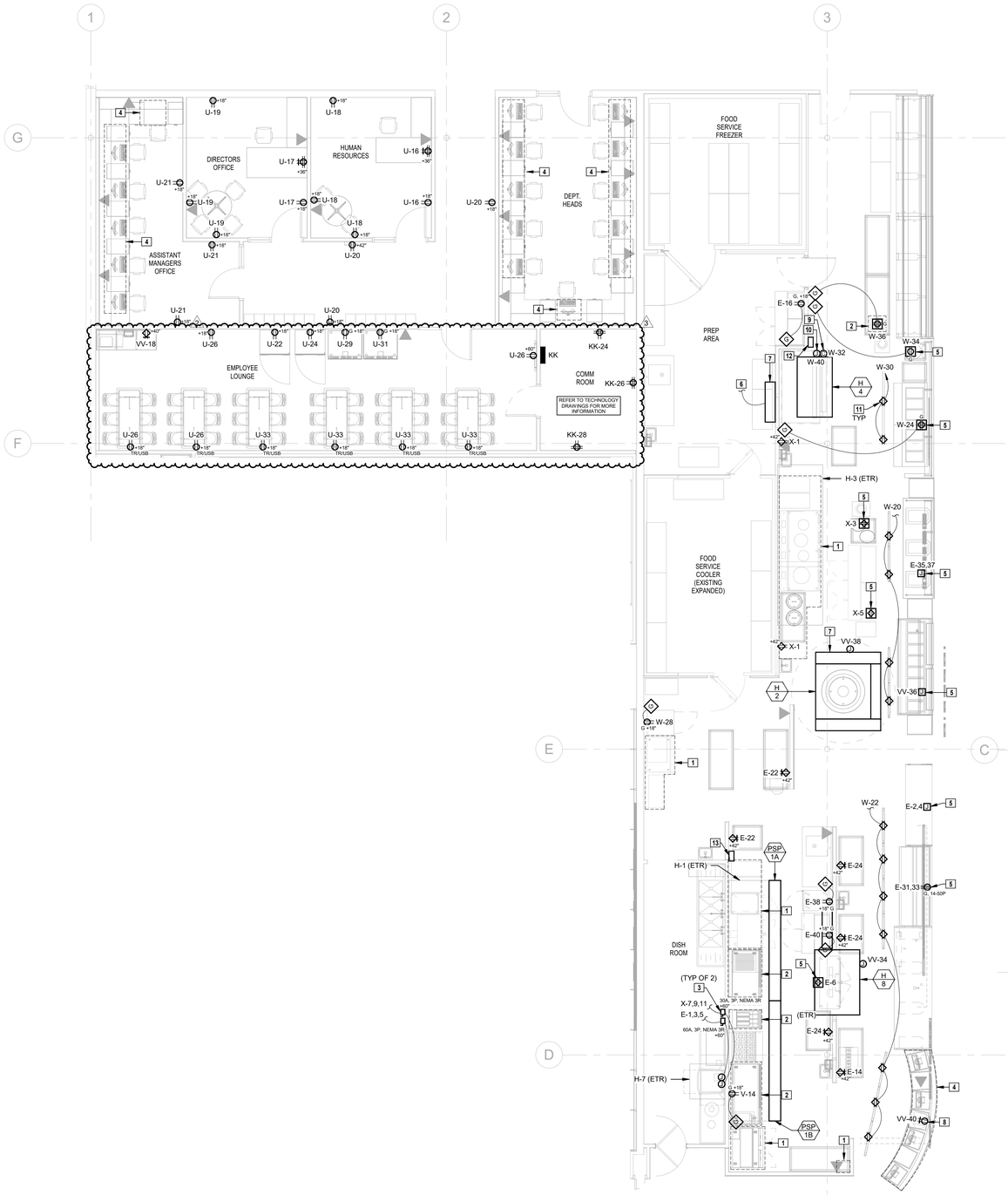
DEAN W. CHANDLER
1/8/2021 8:38:48 AM

ELECTRONIC MENU MONITOR BOARD SCHEDULE

LOCATION	AMOUNT AND SIZE	HEIGHT	MOUTNING
SUSHI	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
MARKET GRILLE EXPRESS	(3) 49" MONITORS	B/O MONITOR +6'-8"	POLE
HICKORY HOUSE	(4) 49" MONITORS	B/O MONITOR +6'-8"	POLE
HIBACHI	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
ASIAN	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
MIA PIZZA	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
BAKERY CAKE	(1) 65" MONITOR	B/O MONITOR +5'-8"	WALL - BOX +8'-0"
BAKERY BREAD	(2) 55" MONITORS	B/O MONITOR +6'-8"	WALL - BOX +8'-8"
MEAT	(1) 82" MONITOR	B/O MONITOR +5'-8"	WALL - BOX +8'-8"
SEAFOOD	(1) 65" MONITOR	B/O MONITOR +6'-8"	WALL - BOX +9'-0"
SEASONS	(1) 55" MONITOR	MONITOR ON KIOSK	WALL - BOX +18"
DIETITIAN	(1) 49" MONITOR	B/O MONITOR +4'-3"	WALL - BOX +5'-3"
GREETING CARDS	(1) 49" MONITOR	VARIES	WALL
BASIN	(1) 65" MONITOR	B/O MONITOR +5'-2"	WALL - BOX +7'-6"
CUSTOMER SERVICE	(2) 65" MONITORS	B/O MONITOR +4'-7"	WALL - BOX +6'-4"
APPAREL	(1) 82" MONITOR	B/O MONITOR +6'-2"	WALL - BOX +9'-2"

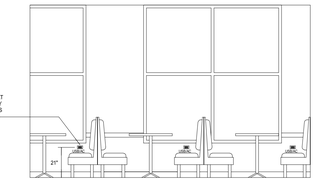
ELECTRICAL PLAN NOTES

1. EXISTING KITCHEN EQUIPMENT TO REMAIN.
2. RELOCATED KITCHEN EQUIPMENT. CONTRACTOR TO RELOCATE EQUIPMENT POWER DEVICES.
3. REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.
4. REFER TO SHEET E4.4 (SHEET BY OTHERS) FOR POWER & SYSTEMS SCOPE OF WORK.
5. ROUTE CONDUIT(S) CONCEALED/UNDERSLAB TO NEAREST FULL HEIGHT WALL FOR CONTINUATION. COORDINATE STUB-UP LOCATION WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. REFER TO PE1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION.
6. PROVIDE JUNCTION BOX WITH 1" CONDUIT UP TO ABOVE ACCESSIBLE CEILING SPACE FOR ANSUL SYSTEM PULL STATION AND RELATED WIRING. COORDINATE EXACT REQUIREMENTS WITH HY-VEE AND SYSTEM INSTALLER PRIOR TO ROUGH-IN
7. KITCHEN EXHAUST HOOD CONTROL PANEL. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITHIN MECHANICAL SET FOR MORE INFORMATION.
8. INSTALL RECEPTACLE(S) AND DATA BOX(ES) IN AN ACCESSIBLE LOCATION UNDER COUNTER IN MILLWORK. LOCATE SUCH THAT DRAWERS AND DIVIDERS DO NOT BLOCK ACCESS TO DEVICE. COORDINATE LOCATION WITH OWNER AN OTHER TRADES PRIOR TO ROUGH-IN.
9. PROVIDE CONTACTOR ABOVE CEILING IN ACCESSIBLE LOCATION WITH A MINIMUM SIZE OF ASSOCIATED BREAKER FEEDING LOAD IN NEMA 1 ENCLOSURE. INTERLOCK EQUIPMENT WITH SHUNT FUNCTION OF THE HOOD TO ACT AS SHUNT TRIP MEANS. GFCI DEVICE DOWNSTREAM OF CONTACTOR TO PROVIDE CODE REQUIRED GFCI PROTECTION.
10. PROVIDE CIRCUITS FROM HOOD CONTROL PANEL TO KITCHEN EQUIPMENT AS INDICATED. REFER TO SHEET E2.9 FOR EQUIPMENT LOCATION. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITHIN MECHANICAL SET FOR TERMINATIONS IN HOOD CONTROL PANEL.
11. REFER TO ELECTRONIC MENU MONITOR BOARD SCHEDULE ON THIS SHEET FOR MORE INFORMATION.
12. PROVIDE HMI CONNECTION VIA DUAL GANG BOX AS INDICATED. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITHIN MECHANICAL SET FOR TERMINATIONS IN HOOD CONTROL PANEL.
13. FOR EXISTING HOOD PROVIDE NEW HMI CONNECTION VIA DUAL GANG BOX AS INDICATED. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITHIN MECHANICAL SET FOR TERMINATIONS IN HOOD CONTROL PANEL.



1 PARTIAL ELECTRICAL POWER PLAN - KITCHEN/ ASIAN FOODS/OFFICES
3/16" = 1'-0"

2 PARTIAL ELECTRICAL POWER PLAN - SUSHI/MARKET GRILLE EXPRESS
3/16" = 1'-0"



3 ELECTRICAL DEVICES AT DINING
3/32" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/07/21
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
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1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 26, 2021
DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2955

hyvee® EMPLOYEE OWNED

NORTH PLAN NORTH

ELECTRICAL PART PLANS

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:

E2.1

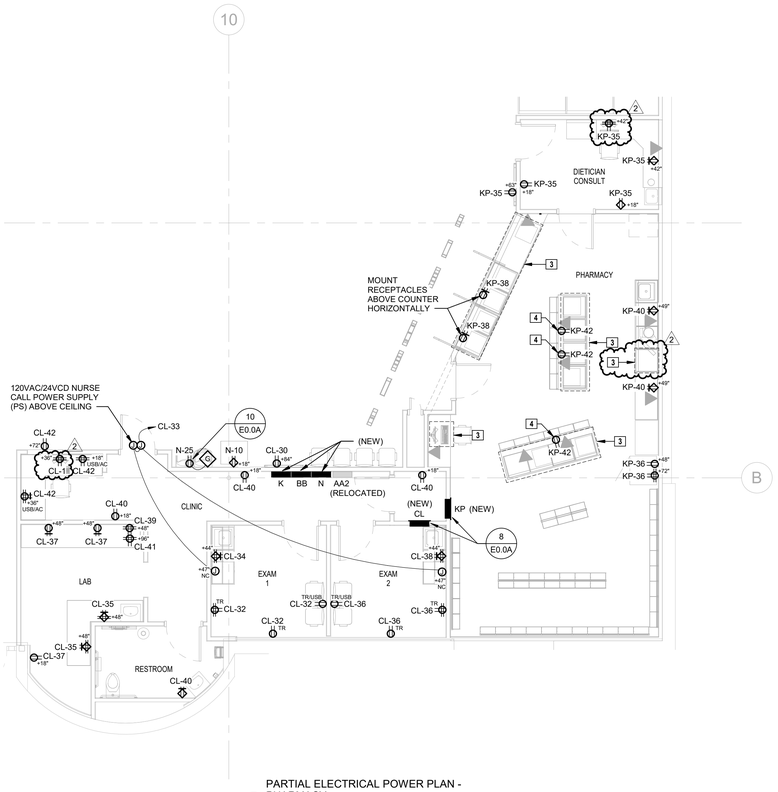
DEAN W. CHANDLER
1/26/2021 8:53:58 AM

ELECTRONIC MENU MONITOR BOARD SCHEDULE

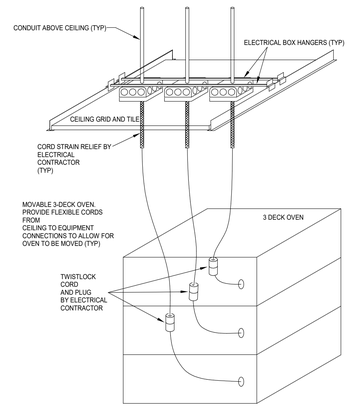
LOCATION	AMOUNT AND SIZE	HEIGHT	MOUTNING
SUSHI	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
MARKET GRILLE EXPRESS	(3) 49" MONITORS	B/O MONITOR +6'-8"	POLE
HICKORY HOUSE	(4) 49" MONITORS	B/O MONITOR +6'-8"	POLE
HIBACHI	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
ASIAN	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
MIA PIZZA	(2) 49" MONITORS	B/O MONITOR +6'-8"	POLE
BAKERY CAKE	(1) 65" MONITOR	B/O MONITOR +5'-8"	WALL - BOX +8'-0"
BAKERY BREAD	(2) 55" MONITORS	B/O MONITOR +6'-8"	WALL - BOX +8'-8"
MEAT	(1) 82" MONITOR	B/O MONITOR +5'-8"	WALL - BOX +6'-8"
SEAFOOD	(1) 65" MONITOR	B/O MONITOR +6'-8"	WALL - BOX +9'-0"
SEASONS	(1) 55" MONITOR	MONITOR ON KIOSK	WALL - BOX +18"
DIETITIAN	(1) 49" MONITOR	B/O MONITOR +4'-3"	WALL - BOX +5'-3"
GREETING CARDS	(1) 49" MONITOR	VARIES	WALL
BASIN	(1) 65" MONITOR	B/O MONITOR +5'-2"	WALL - BOX +7'-6"
CUSTOMER SERVICE	(2) 65" MONITORS	B/O MONITOR +4'-7"	WALL - BOX +6'-4"
APPAREL	(1) 82" MONITOR	B/O MONITOR +6'-2"	WALL - BOX +9'-2"

ELECTRICAL PLAN NOTES

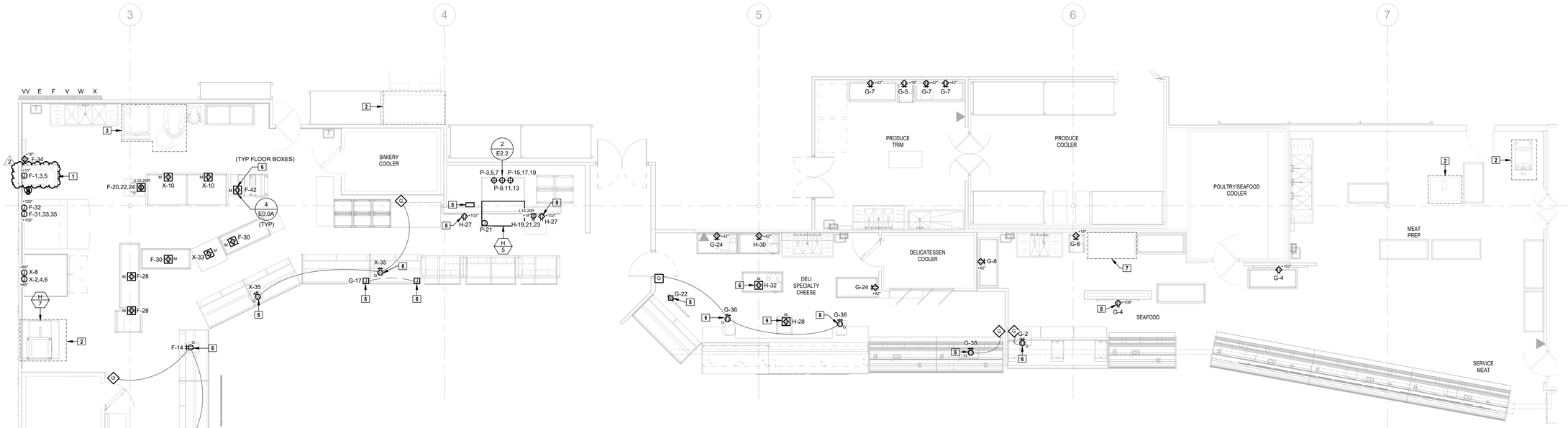
1. REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.
2. EXISTING KITCHEN EQUIPMENT TO REMAIN.
3. REFER TO SHEET E4.4 (SHEET BY OTHERS) FOR POWER & SYSTEMS SCOPE OF WORK.
4. INSTALL RECEPTACLE(S) AND DATA BOX(ES) IN AN ACCESSIBLE LOCATION UNDER COUNTER IN MILLWORK; LOCATE SUCH THAT DRAWERS AND DIVIDERS DO NOT BLOCK ACCESS TO DEVICE. COORDINATE LOCATION WITH OWNER AN OTHER TRADES PRIOR TO ROUGH-IN.
5. KITCHEN EXHAUST HOOD CONTROL PANEL. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITHIN MECHANICAL SET FOR MORE INFORMATION.
6. ROUTE CONDUIT(S) CONCEALED/UNDERSLAB TO NEAREST FULL HEIGHT WALL FOR CONTINUATION. COORDINATE STUB-UP LOCATION WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. REFER TO PE1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION.
7. RELOCATED KITCHEN EQUIPMENT. CONTRACTOR TO RELOCATE EQUIPMENT POWER DEVICES.
8. REFER TO ELECTRONIC MENU MONITOR BOARD SCHEDULE ON THIS SHEET FOR MORE INFORMATION.



PARTIAL ELECTRICAL POWER PLAN - PHARMACY
3/16" = 1'-0"



2 3 DECK OVEN ELECTRICAL DETAIL
NTS



PARTIAL ELECTRICAL POWER PLAN - BAKERY/DELI/MEAT
3/16" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

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LENEXA, KS 66214
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Hy-Vee EMPLOYEE OWNED

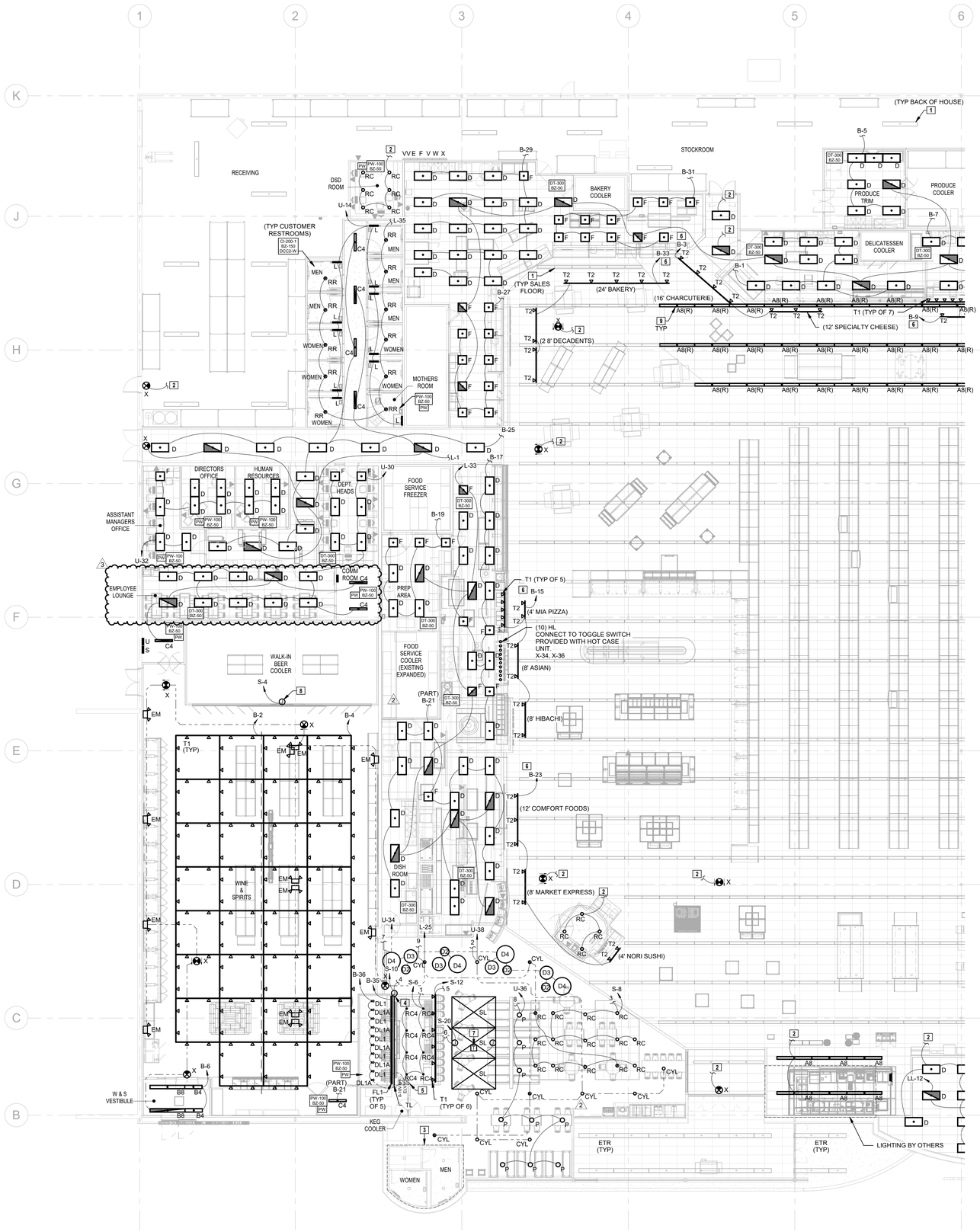
NORTH PLAN NORTH

ELECTRICAL PART PLANS

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
E2.2

DEAN W. CHANDLER
1/8/2021 8:39:31 AM



1 LIGHTING FLOOR PLAN - PART A
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. THE EMERGENCY LIGHTING SYSTEM HAS BEEN DESIGNED TO PROVIDE AN INITIAL FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, 0.1 FC MINIMUM AND NO MORE THAN A 40:1 MAX/MIN RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS COMPLETE.
2. WALL MOUNTED EXITS SIGNS SHALL BE MOUNTED 12" ABOVE DOOR FRAME AND CENTERED ABOVE DOOR OPENING, UNLESS NOTED OTHERWISE. CEILING/PENDANT MOUNTED EXIT SIGNS SHALL BE SUSPENDED TO 12'-0" AFF IN CUSTOMER AREAS OPEN TO STRUCTURE, AT BOTTOM OF BAR JOISTS IN BACKROOM AREAS AND ON FINISHED CEILING WHERE APPLICABLE, UNLESS NOTED OTHERWISE. EXIT SIGNS SHALL BE READILY VISIBLE FROM DIRECTION OF EGRESS TRAVEL. COORDINATE FINAL EXIT SIGN LOCATIONS WITH AHJ AND OWNER.
3. PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. A SINGLE LIGHT SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
4. ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
5. PER 2017 NEC 700.2 AND 700.24, ALL DIRECTLY CONTROLLED LUMINAIRES USED FOR EMERGENCY ILLUMINATION AND ALL APPLICABLE CONTROLS SHALL HAVE UL 924 LISTING OR EQUIVALENT NRTL LISTING. IF EMERGENCY LUMINAIRE OR CONTROL MANUFACTURER DOES NOT HAVE APPROPRIATE LISTING THE EMERGENCY LUMINAIRE SHALL NOT BE CONNECTED TO 0-10V DIMMING SYSTEM.

LIGHTING GENERAL NOTES (GROCERY):

1. ALL LIGHT FIXTURES OVER OPEN FOOD AREAS, COFFIN CASES AND FOOD PREP AREAS SHALL BE LED TYPE OR PROVIDED WITH PROTECT-A-LAMP COVERS OR EQUIVALENT SHIELDED OR SHATTERPROOF LAMPS. VERIFY THAT ALL AREAS ARE PROPERLY PROTECTED AFTER STORE SET-UP IS COMPLETE. LIGHT FIXTURES IN FOOD PROCESSING AREAS SHALL BE EASILY CLEANABLE AND SUITABLE FOR THE LOCATION. USE PRODUCTS WITH THE APPROPRIATE NATIONAL SANITATION FOUNDATION (NSF) CERTIFICATION IF REQUIRED BY THE AHJ.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN WALK-IN COOLERS AND FREEZERS WITH REFRIGERATION COILS AND OTHER TRADES.

LIGHTING SUPPLEMENTAL SPECIFICATIONS:

1. REFER TO THE ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, MOUNTING HEIGHTS, TRACK LENGTHS AND ADDITIONAL MOUNTING INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT COORDINATION AND CONFLICT ISSUES ARE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.
2. THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5'-0" RADIUS OF ITS INDICATED LOCATION. CABLE WHIPS SHALL NOT EXCEED 6'-0" OF UNSUPPORTED LENGTHS.
3. PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL MOUNTED LINE VOLTAGE LIGHT SWITCHES, UNLESS NOTED OTHERWISE. IF NEUTRAL TERMINATION IS NOT REQUIRED FOR THE DEVICE THEN CAP CONDUCTOR AND TAG AS "NEUTRAL FOR FUTURE USE".
4. COORDINATE ALL OCCUPANCY/VACANCY SENSOR SETTINGS WITH OWNER AND ADJUST AS NECESSARY FOR PROPER OPERATION. SETTINGS MUST COMPLY WITH AHJ AND LOCAL ENERGY CODE REQUIREMENTS.
5. DO NOT INSTALL OCCUPANCY/VACANCY SENSORS WITHIN 48" OF AIR DIFFUSER OR SIMILAR OBSTRUCTION THAT MAY ADVERSLY AFFECT THE SENSOR PERFORMANCE. COORDINATE FINAL SENSOR LOCATIONS WITH OTHER TRADES AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

LIGHTING DESIGN RESPONSIBILITY GENERAL NOTES:

1. THE LOCATION AND SELECTION OF THE LIGHT FIXTURES WERE MADE BY OTHERS AND ARE OUTSIDE OF THE SCOPE OF WORK OF HENDERSON ENGINEERS, UNLESS NOTED OTHERWISE. HENDERSON ENGINEER'S SCOPE OF SERVICES IS LIMITED TO PROVIDING LIGHTING POWER CIRCUIT AND CONTROL DESIGN AND CODE COMPLIANCE CALCULATIONS. THE USE OF THE SEAL AND SIGNATURE ON THIS SHEET APPLIES TO HENDERSON ENGINEER'S SCOPE OF SERVICES ONLY.

LIGHTING FLOOR PLAN NOTES

1 REPLACE EXISTING LAMP(S) IN THIS AREA WITH LED REPLACEMENT WITH INTEGRATED DRIVER OF SIMILAR LUMEN OUTPUT. LED REPLACEMENT SHALL BE COMPATIBLE WITH EXISTING BALLAST(S), SOCKETS AND CONTROLS. PROVIDE LED REPLACEMENT BY GE, PHILLIPS, OR OTHER APPROVED NRTL LISTED PRODUCT. PROVIDE SUBMITTAL OF PROPOSED LED REPLACEMENT TO ENGINEER AND OWNER FOR REVIEW PRIOR TO ORDER. REPAIR OR REPLACE ANY DAMAGED SOCKETS OR BALLASTS TO ENSURE PROPER OPERATION. FINAL INSTALLATION SHALL MEET ALL CODE REQUIRED LIGHT LEVEL REQUIREMENTS AND SHALL FUNCTION PROPERLY WITH EXISTING CONTROLS.

2 CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CONTROLS. MAINTAIN CONNECTION TO EXISTING NORMAL LIGHTING AND EMERGENCY LIGHTING CIRCUIT(S) FOR PROPER OPERATION. EXISTING RACEWAY, CIRCUITRY AND RELATED APPURTENANCES MAY BE REUSED IF IN GOOD CONDITION AND NEW DESIGN CRITERIA CAN BE MET, OTHERWISE REPLACE.

3 EXISTING ROOM/SPACE TO REMAIN. COORDINATE REMODEL WORK WITH CONSTRUCTION PHASE AND OVERALL PLAN FOR REMODEL OF STORE.

4 VERIFY LOCATION OF LED LIGHTING CONTROLLER (MAGNETIC DIMMABLE DRIVER). LOCATE CONTROLLED IN ACCESSIBLE LOCATION. ROUTE LOW VOLTAGE CABLE IN WALL SPACE TO LED LIGHTING BEHIND ACRYLIC DISPLAY.

5 MARKET GRILLE SWITCHBANK. COORDINATE FINAL LOCATION WITH HY-VEE PRIOR TO ROUGH-IN. REFER TO 2/E3.1.

6 TRACK LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROL PANEL.

7 LOCATE TRANSFORMER IN ACCESSIBLE LOCATION ABOVE CEILING ELEMENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH HY-VEE PRIOR TO ROUGH-IN.

8 PROVIDE JUNCTION BOX FOR BEER COOLER SIGNAGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH HY-VEE PRIOR TO ROUGH-IN.

9 RELOCATE LIGHT FIXTURE(S) AS SHOWN AND REVISE AND EXTEND RELATED CIRCUITRY.

REVISION		DATE BY
2	ASI #2	01/07/21
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-5566D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI · DEAN WAY CHANDLER · NUMBER PE-2017036652 · PROFESSIONAL ENGINEER

Jan 26 2021
DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2955

hyvee EMPLOYEE OWNED

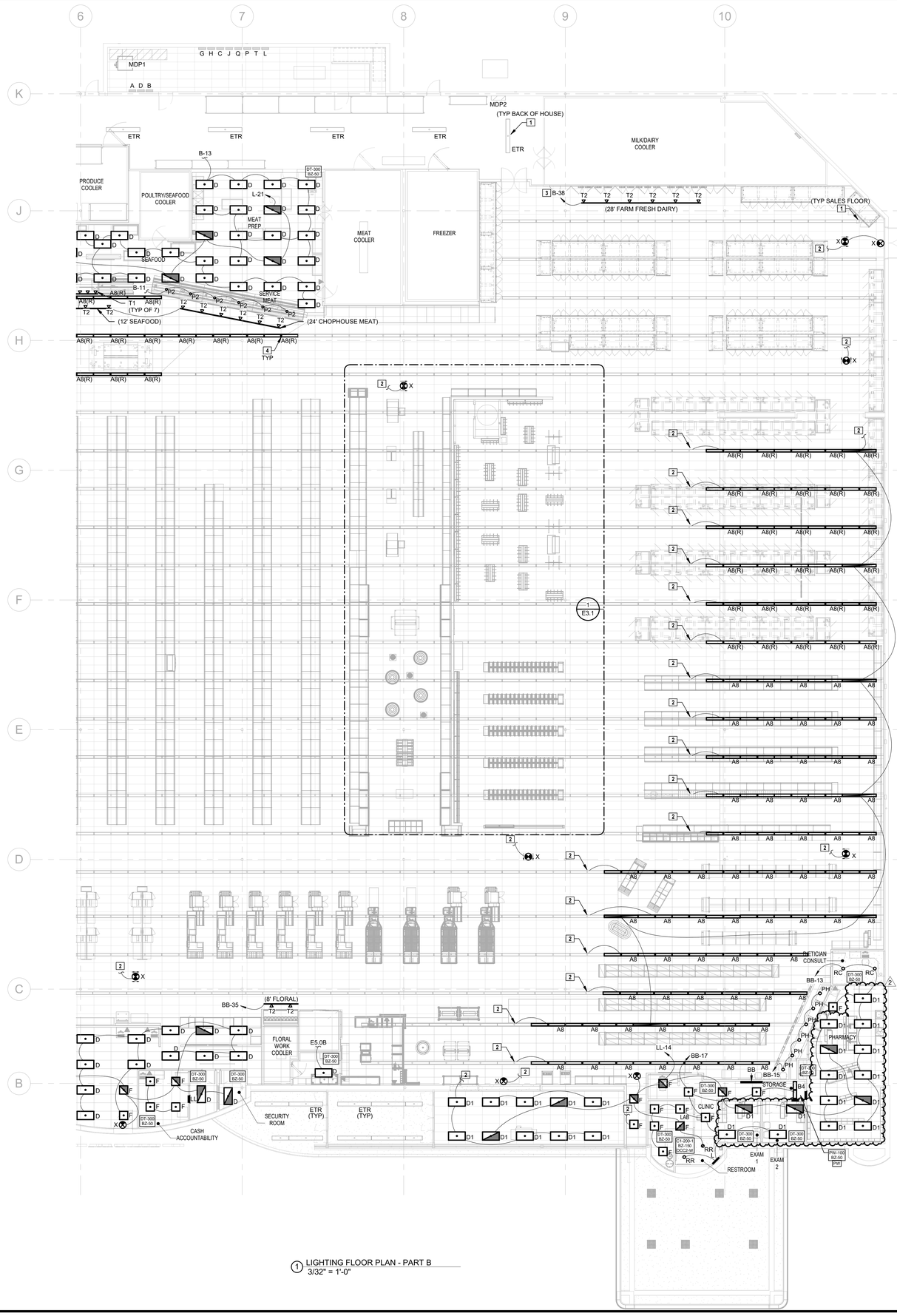
NORTH PLAN NORTH

LIGHTING FLOOR PLAN - PART A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
E3.0A

DEAN W. CHANDLER
1/26/2021 8:54:18 AM



1 LIGHTING FLOOR PLAN - PART B
3/32" = 1'-0"

LIGHTING GENERAL NOTES:

1. THE EMERGENCY LIGHTING SYSTEM HAS BEEN DESIGNED TO PROVIDE AN INITIAL FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, 0.1 FC MINIMUM AND NO MORE THAN A 40:1 MAX/MIN RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS COMPLETE.
2. WALL MOUNTED EXITS SIGNS SHALL BE MOUNTED 12" ABOVE DOOR FRAME AND CENTERED ABOVE DOOR OPENING, UNLESS NOTED OTHERWISE. CEILING/PENDANT MOUNTED EXIT SIGNS SHALL BE SUSPENDED TO 12'-0" AFF IN CUSTOMER AREAS OPEN TO STRUCTURE. AT BOTTOM OF BAR JOISTS IN BACKROOM AREAS AND ON FINISHED CEILING WHERE APPLICABLE, UNLESS NOTED OTHERWISE. EXIT SIGNS SHALL BE READILY VISIBLE FROM DIRECTION OF EGRESS TRAVEL. COORDINATE FINAL EXIT SIGN LOCATIONS WITH AHJ AND OWNER.
3. PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. A SINGLE LIGHT SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
4. ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
5. PER 2017 NEC 700.2 AND 700.24, ALL DIRECTLY CONTROLLED LUMINAIRES USED FOR EMERGENCY ILLUMINATION AND ALL APPLICABLE CONTROLS SHALL HAVE UL 924 LISTING OR EQUIVALENT NRTL LISTING. IF EMERGENCY LUMINAIRE OR CONTROL MANUFACTURER DOES NOT HAVE APPROPRIATE LISTING THE EMERGENCY LUMINAIRE SHALL NOT BE CONNECTED TO 0-10V DIMMING SYSTEM.

LIGHTING GENERAL NOTES (GROCERY):

1. ALL LIGHT FIXTURES OVER OPEN FOOD AREAS, COFFIN CASES AND FOOD PREP AREAS SHALL BE LED TYPE OR PROVIDED WITH PROTECT-A-LAMP COVERS OR EQUIVALENT SHIELDED OR SHATTERPROOF LAMPS. VERIFY THAT ALL AREAS ARE PROPERLY PROTECTED AFTER STORE SET-UP IS COMPLETE. LIGHT FIXTURES IN FOOD PROCESSING AREAS SHALL BE EASILY CLEANABLE AND SUITABLE FOR THE LOCATION. USE PRODUCTS WITH THE APPROPRIATE NATIONAL SANITATION FOUNDATION (NSF) CERTIFICATION IF REQUIRED BY THE AHJ.
2. COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN WALK-IN COOLERS AND FREEZERS WITH REFRIGERATION COILS AND OTHER TRADES.

LIGHTING SUPPLEMENTAL SPECIFICATIONS:

1. REFER TO THE ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, MOUNTING HEIGHTS, TRACK LENGTHS AND ADDITIONAL MOUNTING INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT COORDINATION AND CONFLICT ISSUES ARE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.
2. THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5'-0" RADIUS OF ITS INDICATED LOCATION. CABLE WHIPS SHALL NOT EXCEED 6'-0" OF UNSUPPORTED LENGTHS.
3. PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL MOUNTED LINE VOLTAGE LIGHT SWITCHES, UNLESS NOTED OTHERWISE. IF NEUTRAL TERMINATION IS NOT REQUIRED FOR THE DEVICE THEN CAP CONDUCTOR AND TAG AS "NEUTRAL FOR FUTURE USE".
4. COORDINATE ALL OCCUPANCY/VACANCY SENSOR SETTINGS WITH OWNER AND ADJUST AS NECESSARY FOR PROPER OPERATION. SETTINGS MUST COMPLY WITH AHJ AND LOCAL ENERGY CODE REQUIREMENTS.
5. DO NOT INSTALL OCCUPANCY/VACANCY SENSORS WITHIN 48" OF AIR DIFFUSER OR SIMILAR OBSTRUCTION THAT MAY ADVERSLY AFFECT THE SENSOR PERFORMANCE. COORDINATE FINAL SENSOR LOCATIONS WITH OTHER TRADES AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

LIGHTING DESIGN RESPONSIBILITY GENERAL NOTES:

1. THE LOCATION AND SELECTION OF THE LIGHT FIXTURES WERE MADE BY OTHERS AND ARE OUTSIDE OF THE SCOPE OF WORK OF HENDERSON ENGINEERS, UNLESS NOTED OTHERWISE. HENDERSON ENGINEER'S SCOPE OF SERVICES IS LIMITED TO PROVIDING LIGHTING POWER CIRCUIT AND CONTROL DESIGN AND CODE COMPLIANCE CALCULATIONS. THE USE OF THE SEAL AND SIGNATURE ON THIS SHEET APPLIES TO HENDERSON ENGINEER'S SCOPE OF SERVICES ONLY.

LIGHTING FLOOR PLAN NOTES

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3 TRACK LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROL PANEL.

4 RELOCATE LIGHT FIXTURE(S) AS SHOWN AND REVISE AND EXTEND RELATED CIRCUITRY.

REVISION		DATE BY
2	ASI #2	01/08/21

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8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL
STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 8 2021

DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
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310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2955

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

LIGHTING FLOOR PLAN - PART B

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER
AS NOTED	62930547

SHEET:
E3.0B

DEAN W. CHANDLER
1/8/2021 8:40:32 AM

MARKET GRILLE and CASUAL DINING LIGHTING FIXTURE SCHEDULE

UPDATED 12-13-19

(NOT ALL FIXTURES LISTED MAY APPLY TO THIS PROJECT)

SYMBOL	MARK	TYPE	MANUFACTURER/MODEL #	LOCATION	VOLTAGE	DIMMER	MFR	NOTES
TL TAPELIGHT	TAPELIGHT	FLEXIBLE STRIP	TUBE LIGHTING DSH-HO24V-XX-4'/DSH-DR60-24V	BAR	120v	STYLE-LINE SWITCH		SEE INTERIOR ELEVATION OF BAR FOR TAPELIGHT LOCATIONS
RC	RC	RECESSED CAN	L6R20ANZ10UVAL/L6R20840VAL4RDD	OVERHEAD	120v	SR1200ZTUNV	PHILIPS	
D1 / D2 / D2A / D3 / D3A / D4	D1 D2 D2A D3 D3A D4	DRUM 15"x19" DRUM 24"x12" DRUM 24"x21" DRUM 36"x12" DRUM 36"x30" DRUM 48"x18"	CONTECH RLM592DRA1 CONTECH RLM592DRB1 CONTECH RLM592DRC1 CONTECH RLM594DRD1 CONTECH RLM594DRE1 CONTECH RLM594DRF1	OVERHEAD OVERHEAD OVERHEAD OVERHEAD OVERHEAD OVERHEAD	120v 120v 120v 120v 120v 120v	SR1000VA-WHITE SR1000VA-WHITE SR1000VA-WHITE SR1000VA-WHITE SR1000VA-WHITE SR1000VA-WHITE	(2) 15 WATT LAMPS, MAX. (2) 15 WATT LAMPS, MAX. (2) 15 WATT LAMPS, MAX. (4) 15 WATT LAMPS, MAX. (4) 15 WATT LAMPS, MAX. (4) 15 WATT LAMPS, MAX.	
S1	S1	SPOT LIGHT	CONTECH LIGHTING CTL 806V	OVERHEAD TRACK	120v	SR1000VA-WHITE	VERIFY MOUNTING HEIGHTS	
F1 F1 F1	F1	FLOOD LIGHT	CONTECH LIGHTING CTL 806V	OVERHEAD TRACK	120v	SR1000VA-WHITE	VERIFY MOUNTING HEIGHTS AND METHODS	
P	P	PENDANT	TECH LIGHTING 700MOYLS MINI SIGNAL PENDANT	TABLE LIGHTS	120v	SR1000VA-WHITE	TECH LIGHTING	
CYL		CYLINDER	CONTECH CLR10WXM/DQ-P-M-CLR-S-CSK18-S	CYLINDER - PATH AND EMERGENCY LIGHTING	120v	SR1000VA-WHITE	VERIFY MOUNTING HEIGHT	
SL		SUSPENDED LIGHTING (2 INDIVIDUAL RUNS)	TUBE LIGHTING, INC. BPS-307SM-12-WWLED-FRSM-GD-BK-BAS	OVERHEAD AT BAR	120v			SUSPEND LIGHTING STRINGS BETWEEN CORNERS OF FRAME/WORK WITH 3/16" DIAMETER STAINLESS STEEL SUSPENSION CABLE. INSTALL MODEL T-1023-24-1 150W TRANSFORMER IN ACCESSIBLE LOCATION
RC4		RECESSED CAN	PHILIPS/LIGHTOLIER L4R10ANZ10UVAL4R10840VAL4RDD	OVERHEAD	120V	SR1200ZTUNV 0-10 VOLT		1500 LUMEN FIXTURE. PROVIDE DIMMER SWITCH.

REFER TO ENERGY MANAGEMENT CONSULTANTS (EMC) DRAWINGS AND SCHEDULES FOR COMPLETE LIST OF LIGHTING REQUIREMENTS INCLUDING LAMP SPECIFICATIONS, BALLASTS, AND MISCELLANEOUS COMPONENTS.

FOR THE RECESSED LIGHTING FIXTURES AND CYLINDER FIXTURES CONNECTED TO THE EMERGENCY LIGHTING PANEL, FURNISH AND INSTALL A PHILLIPS BODINE GENERATOR TRANSFER DEVICE (GTD) TO POWER THE FIXTURE WHEN ENERGIZED FROM THE GENERATOR.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	EMC LABEL	MANUFACTURER/MODEL #	WATTS	VA	VOLTAGE	LOCATION	NOTES
A8	8' SALES LIGHTING FIXTURE - LED	GSD8LED	GE L-IS-18-B-0-A2-D9-P-40-V-Q-CS-WHITE	101		120	SALES LIGHTING	LED FIXTURE
B8	8' SALES LIGHTING FIXTURE	GSD8	PHILIPS IKA232-UNV-120-1/2-EBD(8232PUNVDFHAODC)-P218-WH-FA	146-27		120	SALES LIGHTING	OPEN CEILING E4HKK HANGERS, 789276001 TWA END CAPS
B4	4' SALES LIGHTING FIXTURE	GSD4	PHILIPS IKA232-UNV-120-1/2-EBD(8232PUNVDFHAODC)-P214-WH-FA	70-14		120	SALES LIGHTING	OPEN CEILING E4HKK HANGERS, 789276001 TWA END CAPS
C4	1X4 BACKROOM UTILITY FIXTURE	PG4	PHILIPS IS232-120-1/2-EB-8232UNVHP-N	58	64	120	BACKROOMS	
D1	2X4 LED FIXTURE	LED	PHILIPS 2FGG42B-840-4-D-UNV-DIM	44	48	120	SEE PLAN	LED FIXTURE
2	2X4 LED FIXTURE	LED1D1	PHILIPS 2FGG42B-840-4-D-UNV-DIMFMA24	44	48	120	SEE PLAN	LED FIXTURE - BACK OF HOUSE, CLAY
EM	WALL MOUNTED EMERGENCY LIGHT	EMH	SIGNIFY VLLU2	4	4	120	WINE AND SPIRITS	EMERGENCY BUGEYE
F	2X4 LED FIXTURE	LED22 UP62	PHILIPS 2FGG38B-840-2-D-UNV-DIM	54	60	120	SEE PLAN	LED FIXTURE
D	2X4 LED FIXTURE - FLAT PANEL		PHILIPS 2AFZ 42B 840 4-ES (HO) DIM	38	42	120	SEE PLAN	LED FIXTURE - BACK OF HOUSE, CLAY
2	2X4 LED FIXTURE	LED1D1	PHILIPS 2AFZ 42B 840 4-ES (HO) DIM	38	42	120	SEE PLAN	LED FIXTURE - BACK OF HOUSE, CLAY
DL1	3" SQUARE RECESSED ADJUSTABLE DOWNLIGHT		TECH E3S-FF-LH-930-2-A-N-010/E3S-F15-B-0-W	18	20	120	WINE ROOM	25 DEGREE BEAM SPREAD AIMED AT 4' AFF
DL1A	3" SQUARE RECESSED ADJUSTABLE DOWNLIGHT		TECH E3S-FF-LH-930-4-A-N-010/E3S-F15-B-0-W	18	20	120	WINE ROOM	40 DEGREE BEAM SPREAD AIMED AT 7' AFF
FC	LOW TEMP FREEZER/COOLER FIXTURE	HO	KINGSPAN LDX-VT-O-4-24	47	52	120	COOLERS AND FREEZERS	LED FIXTURE SEE DRAWING E3.0
2 FL1	FLOOR MOUNT LINEAR GRAZING FIXTURE		COLORKINETICS 523-000065-41/108-000047-00/120-000124-00	32	35	120	WINE ROOM	FLOOR MOUNT. COORDINATE INSTALLATION WITH ARCHITECTURAL DRAWINGS
L	MIRROR LIGHT	RW	WAC LIGHTING WS-6724F-30-AL	22	24	120	RESTROOMS	ABOVE MIRROR
X	EXIT LIGHT	E	MCP/HLIBEN D8SJ VERWEM	3.4	3.4	120	ALL AREAS	
RC	RECESSED CAN LIGHTING FIXTURE	LEDC	PHILIPS L6R20ANZ10UVAL/L6R20840VAL6RDD	22	24	120	DEPARTMENTS	LED FIXTURE
RR	RESTROOM RECESSED CAN FIXTURE	RR	PHILIPS L6R20ANZ10UVAL/L6R20840VAL6RDD	22	24	120	MOTHER'S ROOM/ RESTROOMS	LED FIXTURE
PH	PHARMACY RECESSED CAN FIXTURE	LEDC	PHILIPS L4R10ANZ10UVAL/L4R10840VAL4RDD	22	24	120	PHARMACY	LED FIXTURE
P2	PENDANT LIGHT FIXTURE AT MEAT CASES	P	DAYBRITE VP110C; RAB C100 J-BOX COVER LG7300DGD; 328-2200K-120V	9.5	10	120	MEAT DEPT	INSTALLED OVER CASES; E.C. TO PAINT COVER WITH GALVANIZED PAINT TO MATCH FIXTURE
PT	PENDANT LIGHT FIXTURE - DSW & JOE FRESH		TECH LIGHTING POWELL STREET PENDANT 700TDPSP24WWW-LED830 LA17 TRACK CONNECTOR	150	160	120	DSW & JOE FRESH CHECKOUT	
HL RED HEAT LAMPS	HEAT LAMPS (ABOVE ASIAN CASE)		HATCO DL-700 (RADIANT RED)	250	275	120	ASIAN CASE	120 VOLT. MOUNT OVER SEE PLAN FOR TRACK LENGTHS
T1	BAKERY CAKE WALL / SEAFOOD TRACK LIGHTING LED	THLW	CONTECH CTL8063VM30-S LT-4-S LT-8-S LA-10-S LA-2-S	21	23	120	SEAFOOD	LED
T2	DEPARTMENT HEADER TRACK LIGHTING LED	THWHT	CONTECH CTL193 H 4 S (SILVER)	35	38	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T3B	CANDY/CARDS TRACK LIGHTING LED		CONTECH CTL8063VF30-B LT-6-P (BLACK TRACK) LA-10-BK (STARTER)	21	23	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T3W	CANDY/CARDS TRACK LIGHTING LED		CONTECH CTL8063VM30-W LT-6-P (WHITE TRACK) LA-10-WH (STARTER)	21	23	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T4	CANDY/CARDS LED		SPUTNICK CUSTOM STEM FIXTURE CONTECH LA-117 CONNECTOR	60	60	120	DEPARTMENT	LED

REFER TO ENERGY MANAGEMENT CONSULTANTS (EMC) DRAWINGS AND SCHEDULES FOR COMPLETE LIST OF LIGHTING REQUIREMENTS INCLUDING LAMP SPECIFICATIONS, BALLASTS, AND MISCELLANEOUS COMPONENTS.

LIGHTING CONTROLS

(NOT ALL DEPARTMENTS LISTED MAY APPLY TO THIS PROJECT)

AREA	CONTROLS
MAIN SALES FLOOR	LIGHTING DIMMING PANEL
WINE AND SPIRITS	LIGHTING DIMMING PANEL
DINING AREAS and BAR	DIMMER SWITCHES (SEE SPECIFIC SCHEDULE AND DIAGRAMS FOR DIMMING CONTROLS)
KITCHEN	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S) — PW-300 BZ-50
ASIAN KITCHEN	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S) — PW-300 BZ-50
BAKERY	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S). PROVIDE STYLE-LINE WALL SWITCH FOR CAKE DECORATING TRACK LIGHTS — PW-300 BZ-50
MEAT DEPT	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S). PROVIDE STYLE-LINE WALL SWITCH FOR SEAFOOD TRACK LIGHTS — PW-300 BZ-50
CHEESE ISLAND	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S) — PW-300 BZ-50
PHARMACY	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S) FOR 2X2 LIGHTING. PROVIDE STYLE-LINE WALL SWITCH FOR RECESSED FIXTURES AT BULKHEAD OVER PHARMACY COUNTER — PW-300 BZ-50
PHARMACY CONSULT. ROOM	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
DEPT HEADS OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
ASSISTANT MANAGER OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
EMPLOYEE LOUNGE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
CASH ACCOUNTABILITY	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
PRODUCE PREPACK	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
SCAN ROOM OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
ACCOUNTING OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
COMMUNICATIONS CLOSET	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
WINE and SPIRITS STORAGE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
CLINIC/EXAM ROOMS	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
HOME COOKING ROOM	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK — PW-300 BZ-50
HR OFFICE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
DIETITIAN OFFICE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
DIRECTORS OFFICE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
ACCOUNTING STORAGE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
JANITORS CLOSET	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
MOTHERS ROOM	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
PHARMACY STORAGE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK — PW-100 BZ-50
BACK STOREROOM/DOCK (with SKYLIGHTS)	WATTSTOPPER LS-102 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S) — BZ-150 BZ-50
INDIVIDUAL RESTROOMS	WATTSTOPPER CI-200-1 CEILING MOUNTED OCCUPANCY SENSOR (EACH RESTROOM OR STALL) WITH BZ-150 POWER PACK AND DCC2/W WALL CONTROL — DCC2/W-1 BZ-150 DCC2/W
FREEZERS and COOLERS (except BEER COOLER)	WATTSTOPPER CB-100 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S). (VERIFY LOCATION OF BZ-50 POWER PACK - INSIDE OR OUTSIDE OF FREEZER/COOLER) — CB-100 BZ-50
BEER COOLER	STYLE-LINE WALL SWITCH
WINE TASTING ROOM	STYLE-LINE WALL SWITCH
FRONT ELECTRIC ROOM	STYLE-LINE WALL SWITCH
VESTIBULES	NO CONTROLS (TO BE SWITCHED BY PANELBOARD BREAKER)
DEPT HEADER TRACK LIGHTS	NO CONTROLS (TO BE SWITCHED BY PANELBOARD BREAKER)

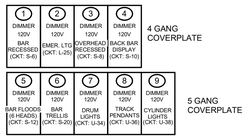
NOTES:

1. COORDINATE ALL LIGHTING CONTROLS WITH DRAWINGS PREPARED BY ENERGY MANAGEMENT CONSULTANTS.
2. ANY AREA NOT LISTED ABOVE SHALL BE CONTROLLED BY A STYLE-LINE WALL SWITCH.

CIRCUIT 'MARKET GRILLE' LIGHTING FIXTURES TO ELECTRICAL PANELS 'S', 'U' , AND 'L' (EMER PANEL)

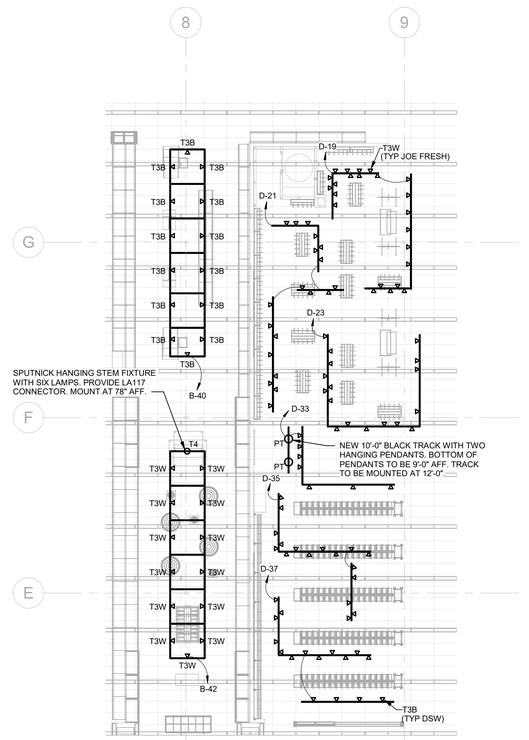
PROVIDE A PERMANENT PLASTIC PLAQUE LABEL FOR EACH SWITCH DESCRIBING ITS USE AND CIRCUIT NUMBER

PROVIDE DEEP BOXES FOR DIMMER SWITCHES



2 / E3.1 'MARKET GRILLE' LIGHTING SWITCH LAYOUT

SCALE: NONE



1 LIGHTING FLOOR PLAN - GREETING CARDS/CANDY/JOE FRESH/DSW

3/32" = 1'-0"

REVISION		DATE BY
2	ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 8 2021

DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2565

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

LIGHTING SCHEDULES AND DETAILS

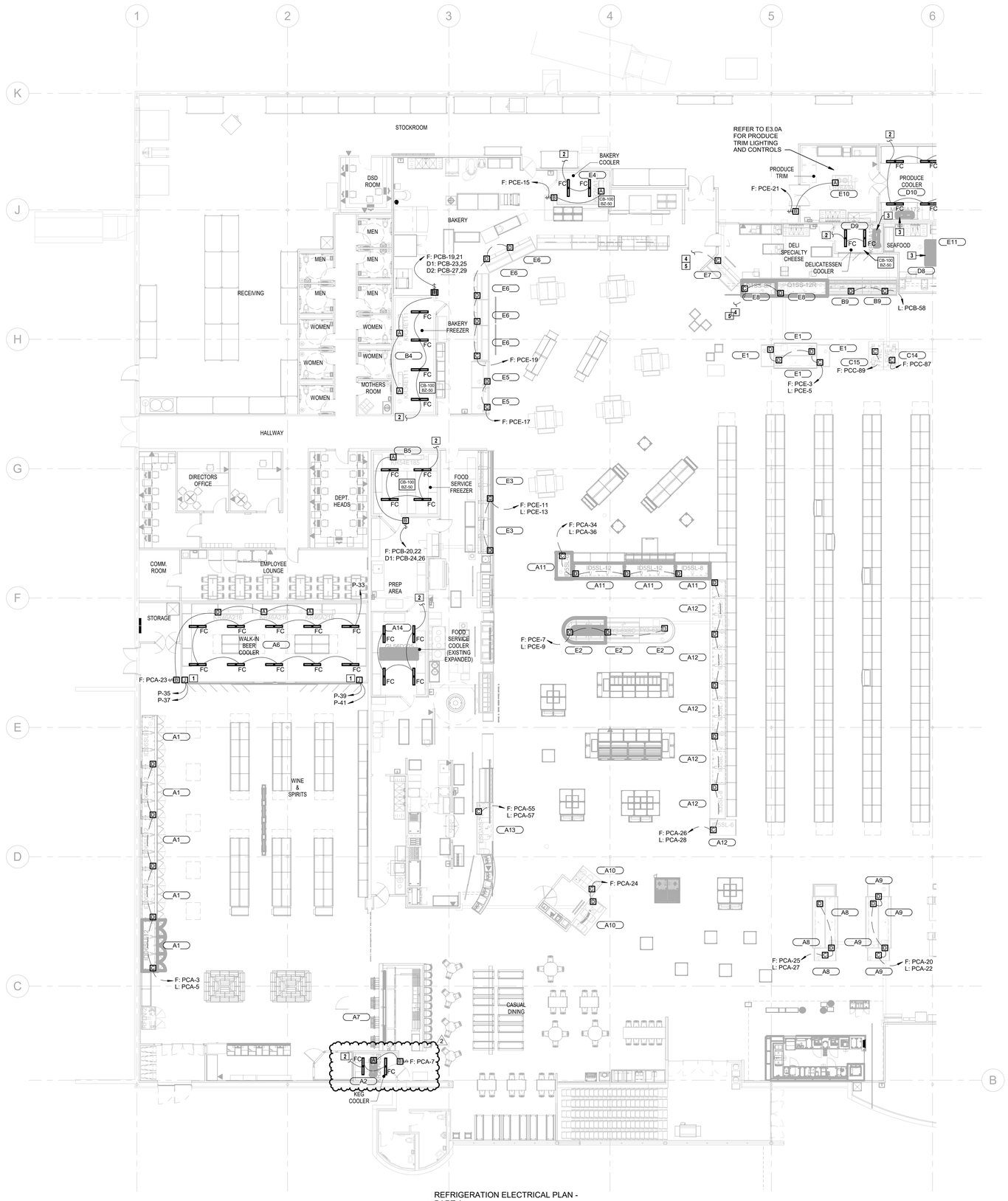
PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:

E3.1

DEAN W. CHANDLER

1/8/2021 8:41:00 AM



1 REFRIGERATION ELECTRICAL PLAN - PART A
3/32" = 1'-0"

REFRIGERATION GENERAL NOTES:

1. ALL REFRIGERATION CIRCUITS TERMINATE IN REFRIGERATION EQUIPMENT ROOM.
2. ALL SALES AREA REFRIGERATED CASE LIGHTING CIRCUITS ARE GANGED AND SINGLE RUN TO PANEL AS INDICTED.
3. ALL COIL FANS IN COOLERS AND FREEZERS SHALL BE WIRED FOR CONTINUOUS OPERATION. COIL FANS IN PRODUCE PREPACK AND MEAT CUTTING ROOMS SHALL BE WIRED THROUGH A SWITCH AND SOLENOID VALVE.
4. 1/2" CONDUIT FOR CONTROL SYSTEM, SEE REFRIGERATION DRAWINGS FOR DETAILS. CONDUIT TO BE STUBBED UP AT SAME LOCATION AS ELECTRICAL STUBUP.
5. ELECTRICIAN TO PROVIDE ALL CONTROL WIRING FOR REFRIGERATION SYSTEM. VERIFY REQUIREMENTS WITH REFRIGERATION CONTRACTOR.
6. WIRE ONE PORCELAIN LAMPHOLDER WITH RED 40W LAMP TO THE CONTROLS OF EACH RACK AND/OR EACH PROTOCOL UNIT. ELECTRICIAN TO FURNISH LAMPHOLDERS AND LAMPS. VERIFY LOCATION WITH REFRIGERATION CONTRACTOR.
7. WIRE ONE REMOTE ALARM PANEL. VERIFY LOCATION WITH THE REFRIGERATION CONTRACTOR. (TYPICALLY OUTSIDE THE MACHINE ROOM DOOR)
8. PROVIDE WIRING FOR ELECTRIC DEFROST TO DEFROST PANEL WHERE APPLICABLE.
9. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO HY-VEE A PARTIAL AS-BUILT DRAWING, ALONG WITH EVERY PAYMENT REQUEST, FOR ANY UNDERGROUND ELECTRICAL WORK. THE AS-BUILT SHALL PROVIDE ACCURATE INFORMATION ON CONDUIT SIZE AND LOCATIONS ALONG WITH APPROXIMATE DEPTH OF LINES. THE ELECTRICAL CONTRACTOR SHALL SUBMIT A FINAL AND COMPLETE AS-BUILT DRAWING WITH PAYMENT REQUEST WHEN ALL UNDERGROUND WORK HAS BEEN COMPLETED AND APPROVED BY HY-VEE.
10. CONTRACTOR TO VERIFY ALL DIMENSIONS FOR ROUGH-INS AND STUB-UPS WITH OWNER BEFORE CONSTRUCTION AND INSTALLATION BEGINS.
11. COILS WITH ELECTRIC DEFROST TO BE WIRED FOR 208V-1PH. SEE EQUIPMENT SCHEDULE ON REFRIGERATION DRAWINGS.
12. ALL TEMP. SENSORS THAT ARE FIELD INSTALLED IN CASES, COOLERS, FREEZERS, MEAT CUTTING ROOM, PRODUCE PREP ROOM SHALL BE FURNISHED BY REFRIGERATION CONTRACTOR. WIRE PULLED BY ELECTRICIAN AND INSTALLED BY REFRIGERATION CONTROLS CONTRACTOR. REFRIGERATION CONTROLS CONTRACTOR TO TERMINATE AND FURNISH TERMINATION POINT DRAWING.
13. ALL REFRIGERATED CASES ARE FACTORY WIRED TO JUNCTION BOX ON CASES AND IDENTIFICATION TAGGED.
14. SEE REFRIGERATION DRAWINGS FOR WIRING DIAGRAM FOR CONDENSER AND COMPRESSOR RACK CONTROLS.
15. REFRIGERATION CONTRACTOR SHALL FURNISH PIPE HEATING TAPES OF LENGTHS AS REQ'D FOR CONDENSATE DRAIN LINES INSIDE OF WALK-IN FREEZER, BAKERY FREEZER, MEAT COOLER, SEAFOOD COOLER, KITCHEN FREEZER, AND PKGD. MEAT COOLER. INSTALLED BY ELECTRICIAN.
16. RUN (2) - #14 CONTROL WIRES TO ALL REFRIGERATION CONTROL VALVES FOR EACH SYSTEM, ALL COOLERS AND FREEZERS, ALL LOW TEMP. CASES AND ALL MED TEMP. CASES. WIRES MAY BE RUN IN CONDUIT WITH OTHER POWER LINES. KOOL GAS DEFROST SYSTEMS REQUIRE AN ADDITIONAL PAIR OF #14 CONTROL WIRES. SEE EQUIPMENT SCHEDULE ON REFRIGERATION DRAWINGS.

REFRIGERATION SYMBOLS

- A — CONDUIT FROM OVERHEAD TO JUNCTION BOX ON COIL UNIT. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC... (FIELD VERIFY PANELS, CIRCUITS, ETC...)
- B — CONDUIT FROM OVERHEAD TO JUNCTION BOX ON TOP OF CASE, COOLER OR FREEZER. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC...(FIELD VERIFY PANELS, CIRCUITS, ETC...)
- C — CONDUIT STUBBED UP AT DIMENSION SHOWN WITH A 4 X 4 JUNCTION BOX 1" ABOVE FLOOR. RUN RIGID CONDUIT TO JUNCTION BOX ON CASE, OR FREEZER. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC...(FIELD VERIFY PANELS, CIRCUITS, ETC...)
- D — RUN 4X4 JUNCTION BOX 1" ABOVE FLOOR. RUN RIGID CONDUIT TO JUNCTION BOX ON CASE. ELECTRICIAN TO PROVIDE WIRING, CONDUIT, AND CIRCUITS FOR CASE OR COOLER LIGHTS, FANS, ETC. (FIELD VERIFY PANEL, CIRCUITS, ETC.) AND REFRIGERATION CONTROL WIRING. ROUTE WIRING OVERHEAD OR UNDER FLOOR TO CASES IN ORDER TO MINIMIZE FLOOR REMOVAL AND REPLACEMENT AND TO KEEP DISRUPTIONS TO STORE OPERATIONS HELD TO A MINIMUM. COORDINATE ALL ELECTRICAL WITH G.C. AND REFRIGERATION WORK.
- A1 — REFRIGERATION 'SYSTEM' DESIGNATION. SEE 'R' DRAWINGS FOR FURTHER INFORMATION.

F: FANS
L: LIGHTS

D1: DEFROST CIRCUIT 1
D2: DEFROST CIRCUIT 2
D3: DEFROST CIRCUIT 3

REFRIGERATION PLAN NOTES

1 PROVIDE NEMA-3R JUNCTION BOX FOR COOLER DOOR LIGHTS AND ANTI-SWEAT HEATERS. PROVIDE CONNECTION TO EACH SET OF DOOR FRAMES. COORDINATE REQUIREMENTS WITH EQUIPMENT INSTALLER AND OTHER TRADES PRIOR TO INSTALLATION AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY.

2 CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CONTROLS. MAINTAIN CONNECTION TO EXISTING NORMAL LIGHTING AND EMERGENCY LIGHTING CIRCUIT(S) FOR PROPER OPERATION. EXISTING RACEWAY, CIRCUITRY AND RELATED APPURTENANCES MAY BE REUSED IF IN GOOD CONDITION AND NEW DESIGN CRITERIA CAN BE MET, OTHERWISE REPLACE.

3 EXISTING COOLER/FREEZER AND COIL(S) TO REMAIN.

4 REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.

5 EXISTING CIRCUIT INFORMATION WAS NOT ABLE TO BE DETERMINED FROM ARCHIVED DRAWINGS AND FIELD SURVEYS. CONTRACTOR TO VERIFY INFORMATION ON SITE.

REVISION		DATE BY
2	ASI #2	01/08/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL ENGINEER — STATE OF MISSOURI — DEAN WAY CHANDLER — NUMBER PE-2017036652

Jan 8 2021

DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2555

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

REFRIGERATION ELECTRICAL POWER PLAN - PART A

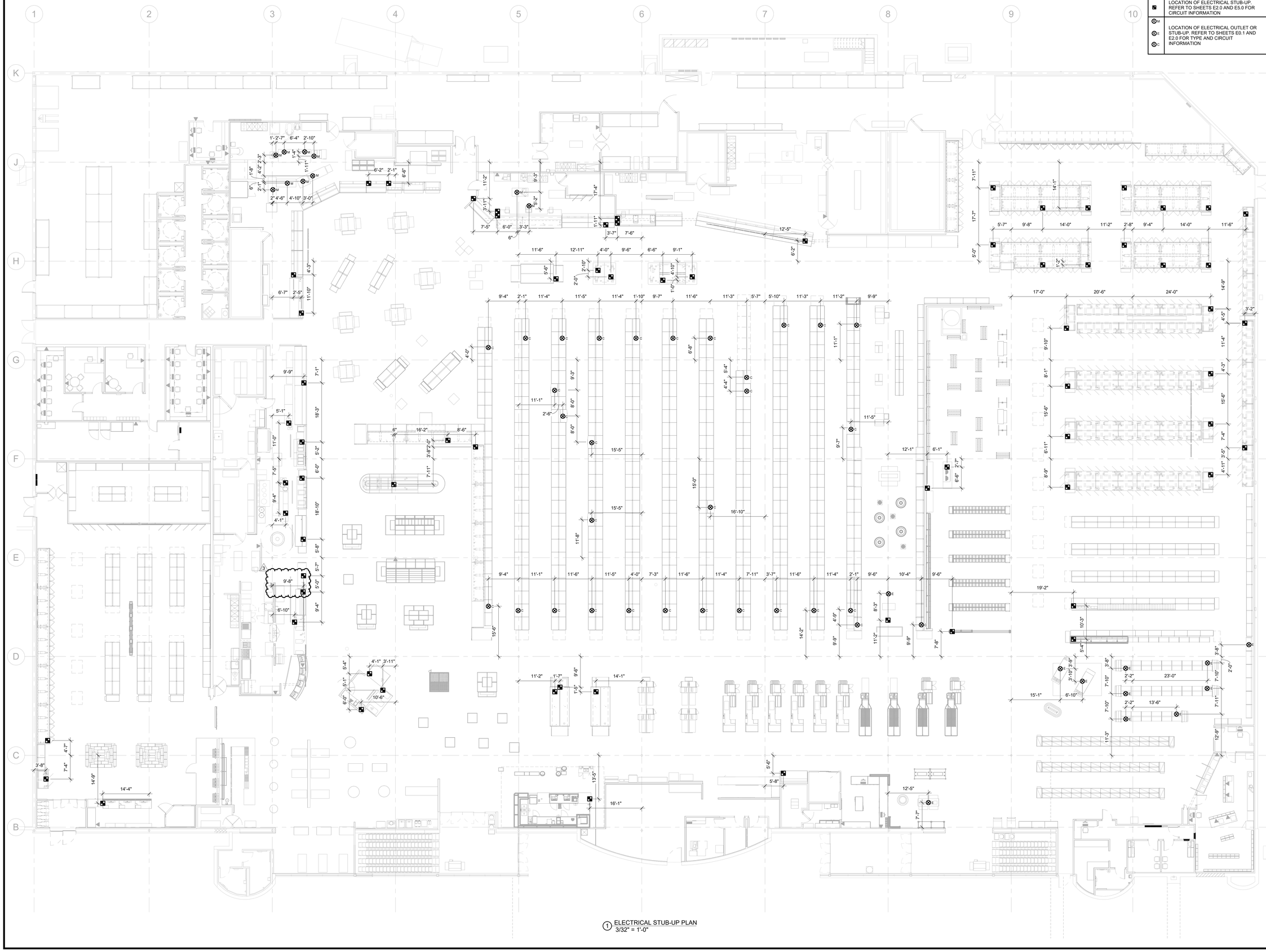
PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET: E5.0A

DEAN W. CHANDLER
1/8/2021 11:01:26 AM

THE STUB-UP LOCATIONS ON THIS PLAN ARE FOR REFERENCE ONLY. COORDINATE FINAL STUB-UP LOCATIONS WITH EQUIPMENT CUT SHEETS, FINAL FIXTURE LOCATIONS, AND OTHER TRADES PRIOR TO INSTALLATION.

ELECTRICAL STUB-UP LEGEND	
■	LOCATION OF ELECTRICAL STUB-UP. REFER TO SHEETS E2.0 AND E5.0 FOR CIRCUIT INFORMATION
⊗M ⊗E ⊗C	LOCATION OF ELECTRICAL OUTLET OR STUB-UP. REFER TO SHEETS E0.1 AND E2.0 FOR TYPE AND CIRCUIT INFORMATION



1 ELECTRICAL STUB-UP PLAN
3/32" = 1'-0"

REVISION		DATE BY
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
DEAN WAY CHANDLER
NUMBER PE-2017036652
PROFESSIONAL ENGINEER

Jan 26 2021

DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

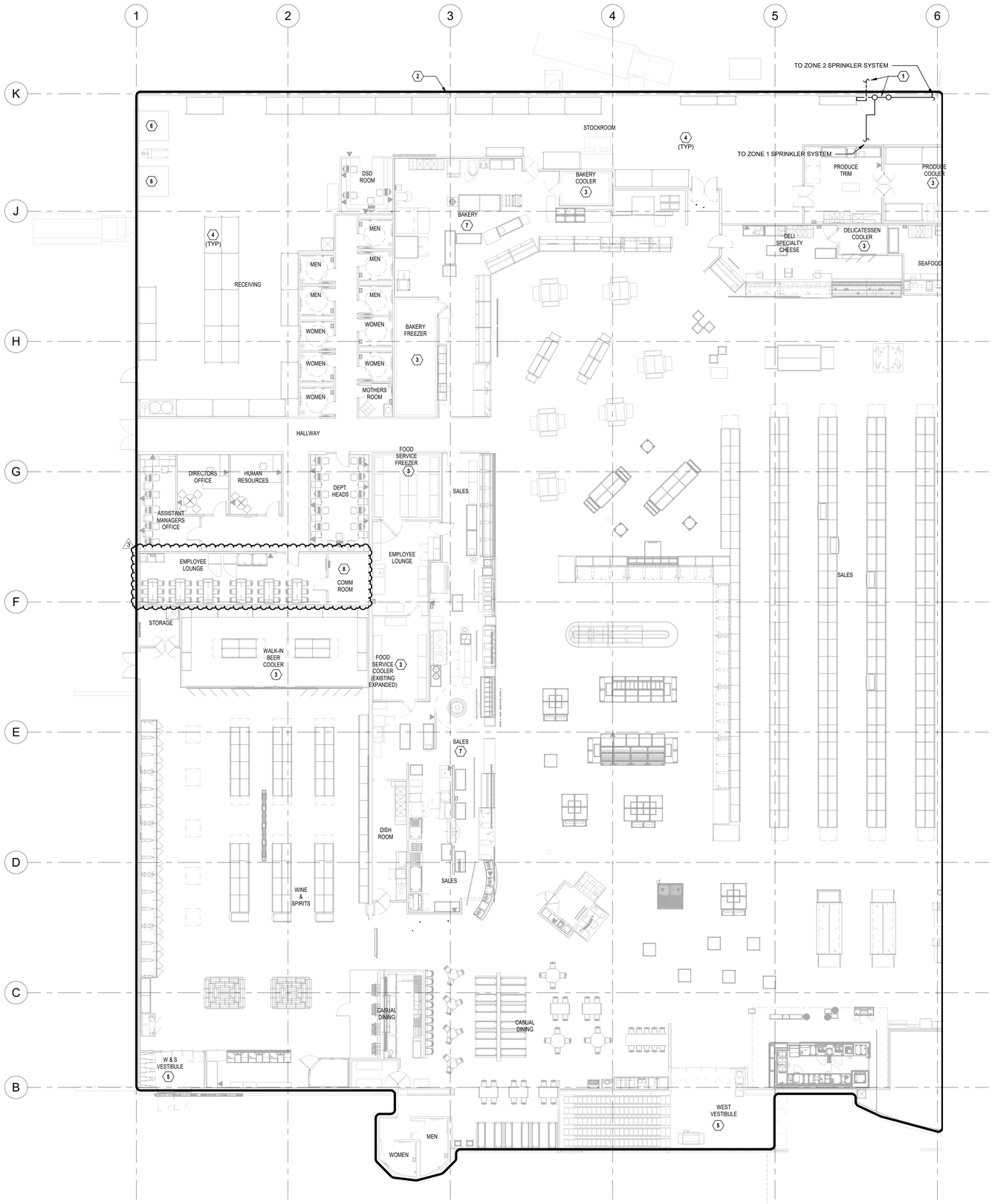
ELECTRICAL STUB-UP PLAN

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:

PE1.1

DEAN W. CHANDLER
1/26/2021 8:56:13 AM



1 FIRE PROTECTION PLAN - PART A
3/32" = 1'-0"

FIRE PROTECTION PLAN NOTES

1. EXISTING FIRE SPRINKLER RISER ENTRY LOCATION.
2. MODIFY EXISTING FIRE SPRINKLER LAYOUT AND PIPING IN ALL REMODELED AREAS TO PROVIDE REQUIRED COVERAGE PER NFPA 13 REQUIREMENTS. ADD/RELOCATE/REMOVE SPRINKLER EQUIPMENT AS REQUIRED.
3. PROVIDE DRY PENDENT TYPE SPRINKLERS WITHIN COOLER/FREEZERS. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF SPRINKLER AT COOLERS/FREEZERS WITH LIGHTS, EVAPORATORS AND OTHER OBSTRUCTIONS. NOTE THAT FINAL LIGHT AND EVAPORATOR LOCATIONS MAY DIFFER FROM THOSE SHOWN ON PLANS. REF 2-FP0.0
4. BACK OF HOUSE/RECEIVING AREA HIGH PILED STORAGE. MODIFY SPRINKLER SYSTEM AS REQUIRED TO PROVIDE SPRINKLER COVERAGE PER NFPA 13 STORAGE CRITERIA REQUIREMENTS.
5. PROVIDE DRY PENDENT SPRINKLERS AT VESTIBULE AREAS.
6. PROVIDE SPRINKLER PROTECTION BELOW OVERHEAD DOOR AS REQUIRED PER NFPA 13. PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE, NOT DOOR TRACKS. REF 3-FP0.0
7. COORDINATE TEMPERATURE RATING OF SPRINKLERS NEAR HEAT PRODUCING SOURCES IN ACCORDANCE WITH NFPA 13 FOR ANTICIPATED AMBIENT CEILING TEMPERATURES.
8. DO NOT ROUTE SPRINKLER PIPING ABOVE ELECTRICAL DISTRIBUTION EQUIPMENT.

REVISION		DATE BY
3	ASI #3	01/26/21

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
CHRISTOPHER J. CULP
NUMBER PE-2013037646
PROFESSIONAL ENGINEER

Jan 26 2021

CHRISTOPHER J. CULP
LICENSE # PE-2013037646

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

hyvee® EMPLOYEE OWNED

NORTH PLAN NORTH

FIRE PROTECTION FLOOR PLAN - PART A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
JE	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
FP1.0

CHRISTOPHER J. CULP
1/26/2021 8:54:42 AM

COMMUNICATIONS PLAN NOTES:

1. REFER TO E2.0 SHEETS FOR CIRCUIT AND ADDITIONAL INFORMATION.
2. 2" CONDUIT WITH PULLWIRE FOR OWNER FURNISHED REMOTE READER. COORDINATE LOCATION WITH OWNER.
3. 2" CONDUIT WITH PULLWIRE TO TOWER PROCESSOR FOR COMMUNICATIONS CABLE.
4. CUSTOMER SERVICE CONDUIT STUB UP LOCATION. ALL CONDUITS ROUTED TO THIS LOCATION AND BRANCH CIRCUITS, TELEPHONE AND NCR CABLES TO BE ROUTED IN CASEWORK AS REQUIRED. VERIFY NUMBER AND SIZE OF CONDUITS.
5. 1" CONDUIT WITH PULLWIRE FOR COMPUTER LOOP AND CABLE T.V. ROUTE CONDUIT TO ABOVE CEILING.
6. PROVIDE 4" CONDUIT FOR TELEPHONE SERVICE AND 2" CONDUIT FOR CABLE TV OUT TO 5' BEYOND BUILDING LINE .
7. PULL ONE CAT6 CABLE FOR EACH CASH REGISTER, ONE CAT6 CABLE FOR EACH CATALINA PRINTER, ONE CAT6 CABLE FOR EACH LANE HAWK AND ONE CAT5 CABLE FOR EACH TELEPHONE.

NOTES:
1. ALL EXPOSED WIRING TO BE IN 1" CONDUIT UNLESS OTHERWISE NOTED.
2. PULLSTRING REQUIRED IN ALL UNDERGROUND CONDUIT.
3. ALL UNDERGROUND CONDUIT TO HAVE WATER REMOVED BEFORE CABLING CONTRACTOR WORK BEGINS.

COMMUNICATIONS PLAN SYMBOLS:

- TELEPHONE/DATA OUTLET - CAT6
- TELEPHONE OUTLET - CAT6
- COMPUTER DATA OUTLET - CAT6
- CATALINA DATA OUTLET - CAT6
- REGISTER DATA OUTLET - CAT6
- JUNCTION BOX
- AP — WIRELESS AP - CAT6 CABLE TO TELEPHONE CLOSET
- POS — POINT OF SALE - (2) DATA REQUIRED
- PR — PRINTER - (2) DATA REQUIRED - BOX @+72"
- MD — MOTION DECTECTOR

(1) 1" CONDUIT WITH BOX @ +56" TO ABOVE CEILING

(1) 1" CONDUIT WITH BOX @ +84" TO DECK

(1) 1" CONDUIT WITH BOX @ +18" TO ABOVE CEILING

CLEAR ZONE TO B/O STRUCTURE NO LIGHT FIXTURES, CONDUIT, SPRINKLER PIPING, REFRIG. PIPING, HVAC DUCT WORK, CEILING FANS, SPEAKERS, OR WATER PIPING SHALL BE MOUNTED BELOW.

SEE 3/T1.1

SEE 2/T1.2

BACK COMMUNICATIONS CLOSET

(10) 2" CONDUITS TO DECK STUBBED FROM COMM. ROOM TO SALES

ELEC TO PROVIDE POWER FOR WIRELESS PHONE ACCESS POINT CONNECTION +10' A.F.F.

PROVIDE (1) 1" CONDUIT TO ROOF DECK. RUN CABLE TO BACK COMM CLOSET FOR SALES AREA PHONE

(1) 1" CONDUIT DOWN WALL TO BELOW COMM. ROOM CEILING

(1) 2" CONDUIT AT COLUMN TO ABOVE CEILING

(1) 2" CONDUIT UNDERFLOOR

(1) 2" CONDUIT STUBBED UP INTO WALL WITH JUNCTION BOX

(2) 2" CONDUITS AT DECK STUBBED FROM WINE AND SPIRITS TO SALES

FRONT COMMUNICATIONS CLOSET

PROVIDE (2) 2" CONDUITS FROM UNDERFLOOR DUCT TO FRONT COMMUNICATIONS CLOSET FOR COMMUNICATIONS CABLING. SEE NOTE 7.

(10) 2" CONDUITS TO DECK STUBBED FROM COMM. ROOM TO SALES

VOLUME CONTROL MOUNT UNDER COUNTER

(1) 2" CONDUIT WITH BOX + 18" STUBBED UP IN WALL TO ROOF DECK

(3) 1" CONDUITS TO ROOF DECK STUB ONE TO SALES FLOOR

(2) 1" CONDUITS UNDERFLOOR TO COUNTER FOR VOLUME CONTROL (1) 1" CONDUIT UNDERFLOOR FOR FLAG SWITCH TO COUNTER

CEILING MOUNTED MD

(1) 1" CONDUIT WITH BOX @ +18" TO ABOVE CEILING

EXTEND CONDUIT DOWN EXTERIOR WALL TO BELOW COMM. ROOM CEILING

(1) 2" CONDUIT UNDERFLOOR

(1) 1" CONDUIT STUBBED UP INTO WALL

(1) 2" CONDUIT STUBBED UP UNDER COUNTER

20'-0"

(1) 2" CONDUIT AT COLUMN TO ABOVE CEILING

RX COMMUNICATIONS RACK

(3) 2" CONDUITS DOWN FACE OF WALL TO 24" ABOVE CEILING

(3) 2" CONDUITS FROM RX RACK RAN TO BOTTOM CHORD OF JOIST TO SALES FRONT COMMUNICATIONS CLOSET

SEE 2/T1.1

SEE 1/T1.2

SEE 1/T1.1

1 COMMUNICATIONS PLAN
SCALE: 3/32" = 1'-0"

REVISION	DATE BY
ASI #2 - UDPATE WMS COUNTER LOCATION	1/8/21 MD

COMMUNICATIONS & SECURITY

LOCATION: LEES SUMMIT #2, MO

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

COMMUNICATIONS PLAN

DRAWN:	DATE:
BP	OCT 2020
SCALE:	JOB NUMBER:
3/32" = 1'0"	

SHEET: T1.0

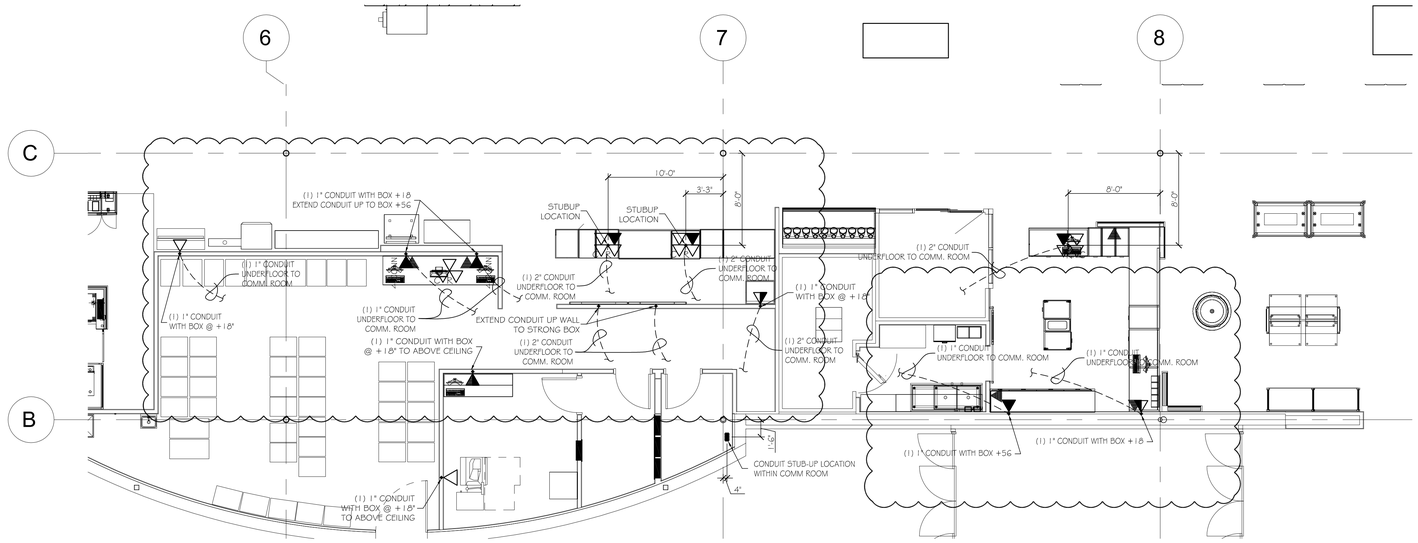
REVISION	DATE BY
ASI #2 – REVISE FLORAL PHONE LOCATIONS, UPDATE CUSTOMER SERVICE LAYOUT	1/8/21 bdp

1

COMMUNICATIONS PLAN SYMBOLS:

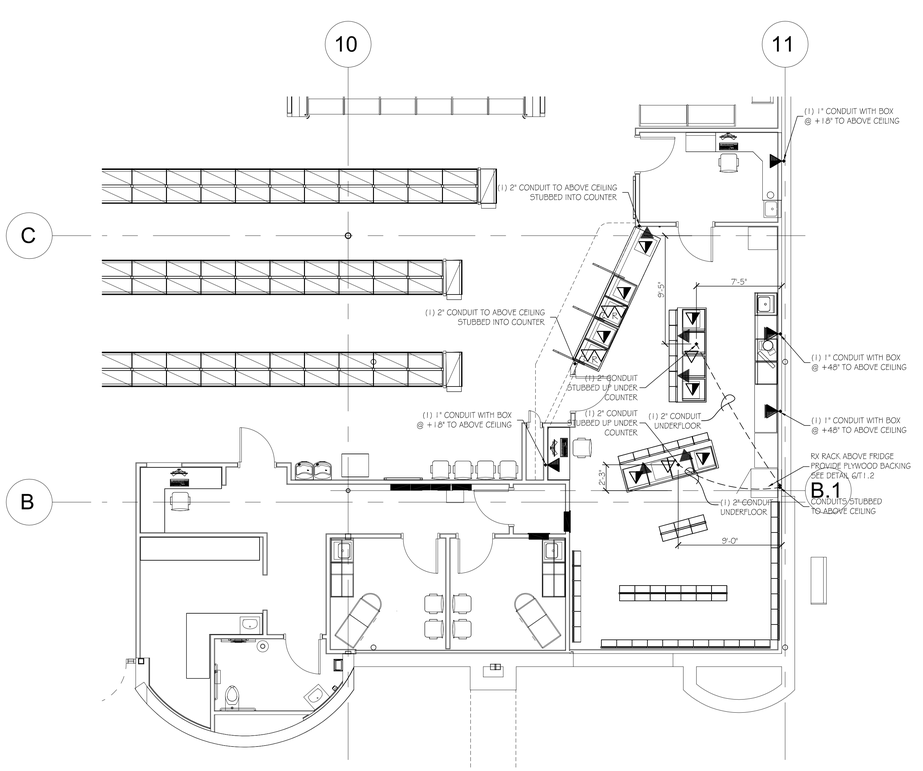
- TELEPHONE/DATA OUTLET - CAT6
- TELEPHONE OUTLET - CAT6
- COMPUTER DATA OUTLET - CAT6
- CATALINA DATA OUTLET - CAT6
- REGISTER DATA OUTLET - CAT6
- JUNCTION BOX
- AP — WIRELESS AP - CAT6 CABLE TO TELEPHONE CLOSET
- POS — POINT OF SALE - (2) DATA REQUIRED
- PR — PRINTER - (2) DATA REQUIRED - BOX @+72"
- MD — MOTION DECTECTOR

NOTES:
1. ALL EXPOSED WIRING TO BE IN 1" CONDUIT UNLESS OTHERWISE NOTED.
2. PULLSTRING REQUIRED IN ALL UNDERGROUND CONDUIT.
3. ALL UNDERGROUND CONDUIT TO HAVE WATER REMOVED BEFORE CABLING CONTRACTOR WORK BEGINS.



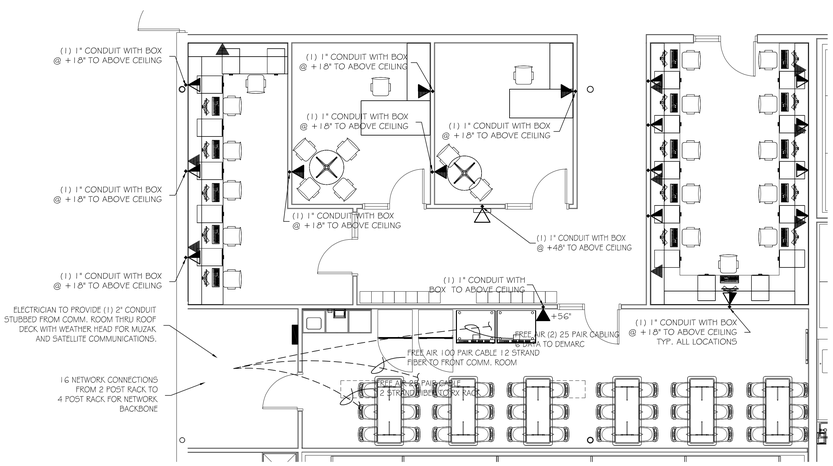
2 ENLARGED COMMUNICATIONS PLAN - CUSTOMER SERVICE/FLORAL

SCALE: 3/16" = 1'-0"



1 ENLARGED COMMUNICATIONS PLAN - PHARMACY AND CLINIC

SCALE: 3/16" = 1'-0"



3 ENLARGED COMMUNICATIONS PLAN - OFFICE

SCALE: 3/16" = 1'-0"

COMMUNICATIONS & SECURITY

LOCATION: LEES SUMMIT #2, MO

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

HyVee® EMPLOYEE OWNED

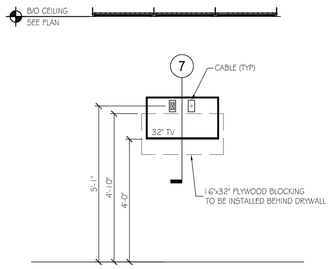
NORTH

ENLARGED COMMUNICATIONS PLANS

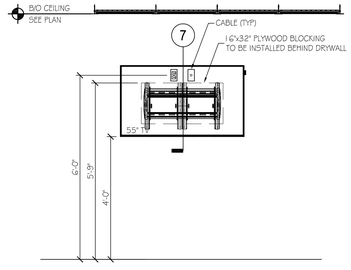
DRAWN:	DATE:
BP	OCT 2020
SCALE:	JOB NUMBER:
SEE SHEET	

SHEET: T1.1

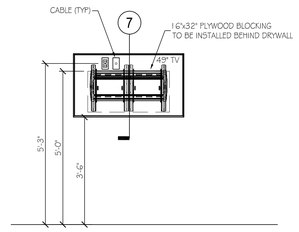
REVISION	DATE BY
ASI #2 - UPDATE ELEVEDATION 13	1/8/21 bdp



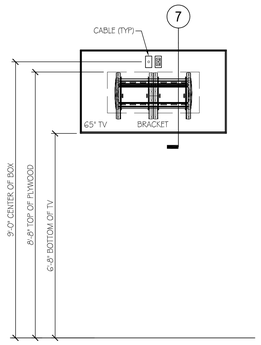
1 MOTHERS ROOM TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



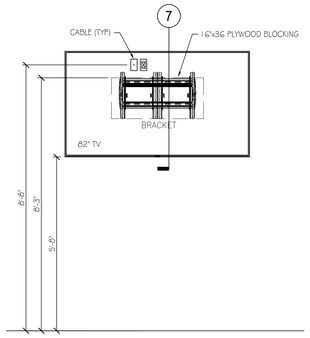
2 BREAKROOM TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



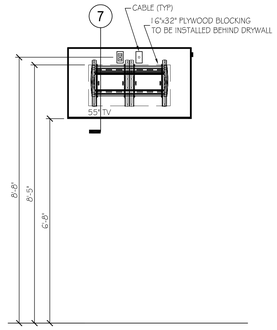
3 DIETITIAN MONITOR ELEVATION
SCALE: 1/2" = 1'-0"



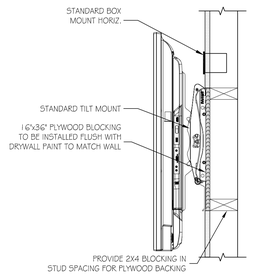
4 SEAFOOD TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



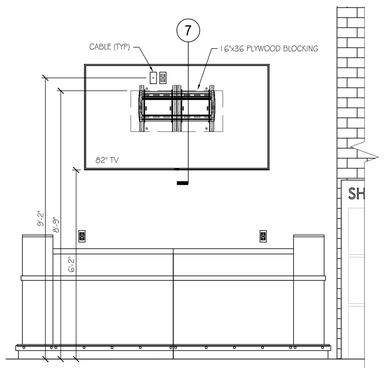
5 MEAT TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



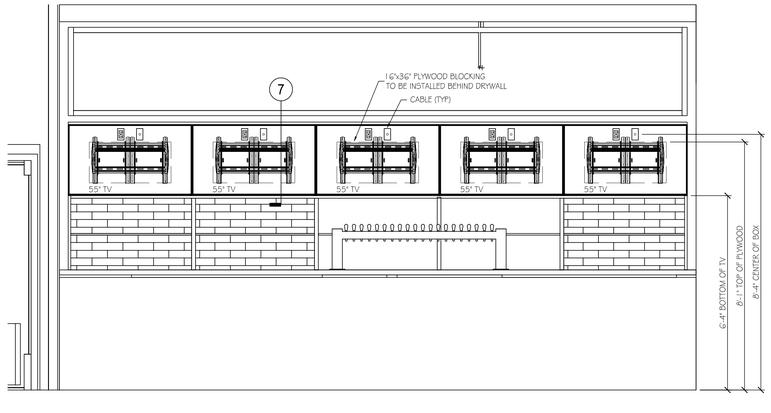
6 TYP. 55" DINING TELEVISION ELEV
SCALE: 1/2" = 1'-0"



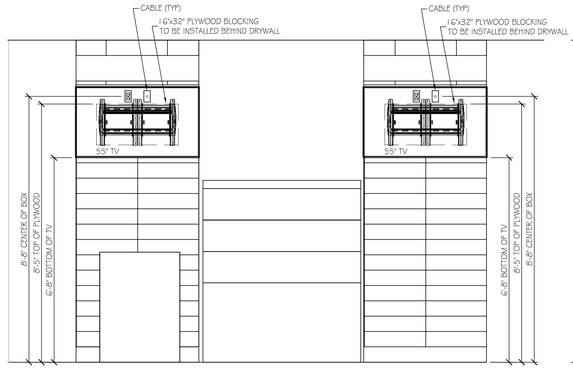
7 TYPICAL TELEVISION SECTION
SCALE: 1 1/2" = 1'-0"



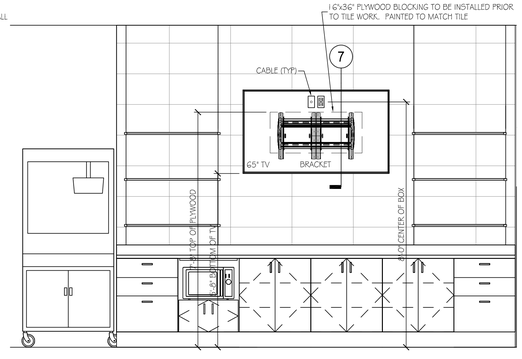
8 APPAREL TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



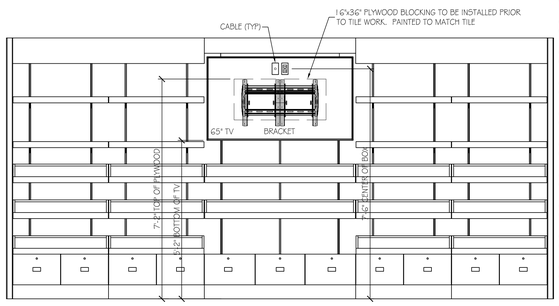
9 BAR WALL ELEVATION
SCALE: 1/2" = 1'-0"



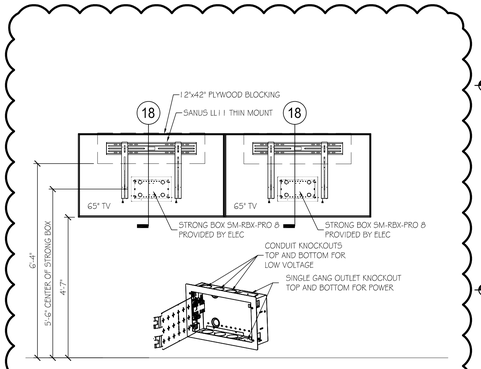
10 BAKERY BREAD WALL ELEVATION
SCALE: 1/2" = 1'-0"



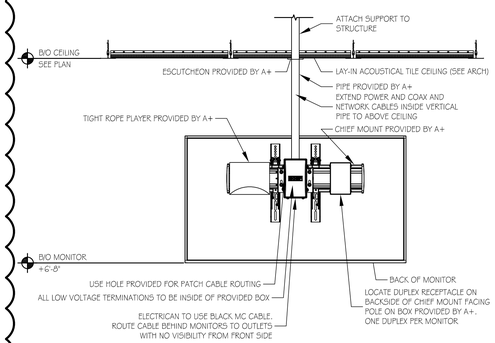
11 BAKERY CAKE WALL ELEVATION
SCALE: 1/2" = 1'-0"



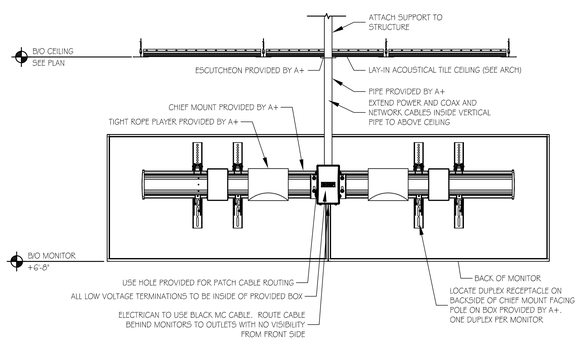
12 BASIN TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



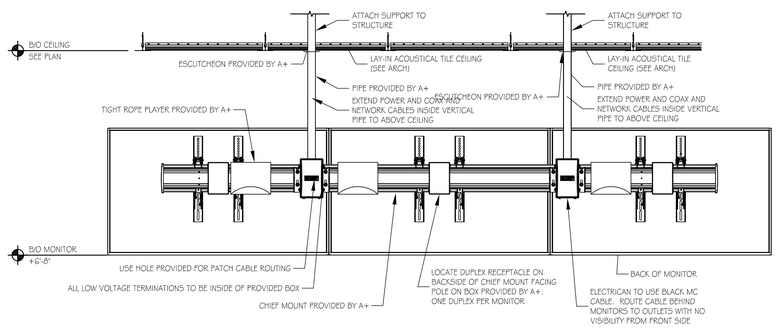
13 CUSTOMER SERVICE TELEVISION ELEVATION
SCALE: 1/2" = 1'-0"



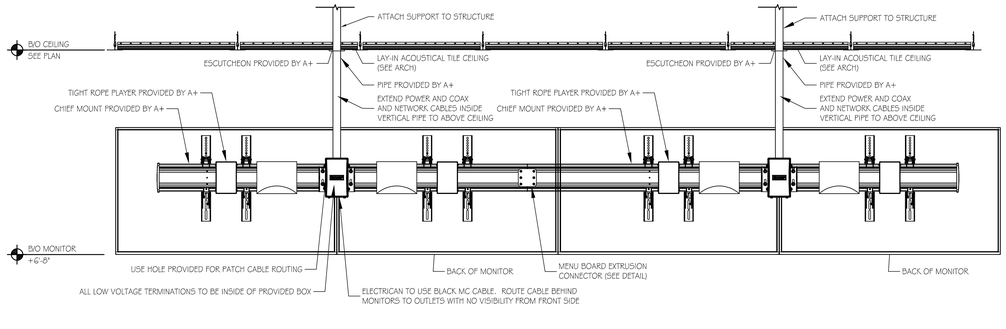
14 49" POLE MOUNTED MENU MONITOR DETAIL (1 MONITOR)
SCALE: 1" = 1'-0"



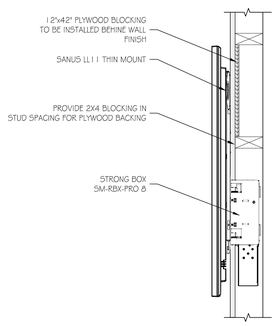
15 49" POLE MOUNTED MENU MONITOR DETAIL (2 MONITORS)
SCALE: 1" = 1'-0"



16 49" POLE MOUNTED MENU MONITOR DETAIL (3 MONITORS)
SCALE: 1" = 1'-0"



17 49" POLE MOUNTED MENU MONITOR DETAIL (4 MONITORS)
SCALE: 1" = 1'-0"



18 CUSTOMER SERVICE SECTION
SCALE: 1 1/2" = 1'-0"

COMMUNICATIONS & SECURITY

LOCATION:
LEES SUMMIT #2, MO

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935

Hy-Vee® EMPLOYEE OWNED

NORTH

AUDIO/VIDEO
ELEVATIONS
AND DETAILS

DRAWN:	DATE:
BP	OCT 2020
SCALE:	JOB NUMBER:
SEE SHEET	

SHEET:

T3.1