CODE ANALYSIS

1) APPLICABLE CODES

BUILDING CODE:	**2018 INTERNATIONAL BUILDING CODE (IBC)**
MECHANICAL CODE:	**2018 INTERNATIONAL MECHANICAL CODE (IMC)**
PLUMBING CODE:	**2018 INTERNATIONAL PLUMBING CODE (IPC)**
ELECTRIC CODE:	**2017 NATIONAL ELECTRICAL CODE (NEC)**
FIRE CODE:	**2018 INTERNATIONAL FIRE CODE (IFC)**
ACCESSIBILITY CODE:	**2009 ICC A117.1**
FUEL / GAS CODE:	**2018 INTERNATIONAL FUEL GAS CODE**

2) DEFERRED SUBMITTALS
FIRE PROTECTION SYSTEM SHOP DRAWINGS
FIRE ALARM SYSTEM SHOP DRAWINGS

3) USE GROUP: M
4) TYPE OF CONSTRUCTION: III-B - UNLIMITED

5) THIS BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.

6) MIXED OCCUPANTS

A2 - BREAK ROOM AND FOOD TENANT - ACCESSORY USE
B - OFFICE, CUSTOMER SERVICE, PHARMACY, BAR - ACCESSORY USE
F-1 - FOOD PREP AREAS (DELI, BAKERY, MEAT, PRODUCE) - ACCESSORY USE
M - RETAIL SALES - MIXED USE
S1 - RECEIVING, STOCK/STORAGE ROOMS, COOLERS/FREEZERS - STORAGE AREAS (MIXED USE)

7) ALLOWABLE AREA:
A) ALLOWABLE TABULAR AREA - UNLIMITED
B) ENTIRE BUILDING IS FULLY SPRINKLERED

8) ACTUAL BUILDING AREA:
A) EXISTING FOOTPRINT AREA (MAIN LEVEL) = 85,703 SF
B) NO ADDED SQUARE FOOTAGE AS PART OF THIS REMODEL

9) OCCUPANT LOAD: TABLE 1004.5

OCCUPANCY LOAD CALCULATIONS

Name	Area	Occupancy Load	Occupants
ASSEMBLY	3,269.16	15	218
BUSINESS	2,316.24	150	16
MERCANTILE	54,930.62	60	916
PREP	6,033.35	200	31
STORAGE	13,097.06	300	44
Grand total	79,646.43		1,225

10) EXITS REQUIREMENTS
A) (4) EXITS REQUIRED (SECTION 1006.3.2) - (7) PUBLIC & (1) EMPLOYEE PROVIDED

B) 250' MAXIMUM TRAVEL (TABLE 1017.2)

C) TOTAL OCCUPANT LOAD OF LIQUOR STORE = 202 OCCUPANTS

D) TOTAL OCCUPANT EXIT OF LIQUOR STORE = 770 OCCUPANTS

E) TOTAL OCCUPANT LOAD OF GROCERY PUBLIC SPACE = 916 OCCUPANTS

F) TOTAL OCCUPANT EXIT OF GROCERY PUBLIC SPACE = 2,200 OCCUPANTS

G) TOTAL EMPLOYEE OCCUPANT EXIT = 195 OCCUPANTS

H) TOTAL OCCUPANT EXIT PROVIDED = 3,165 OCCUPANTS (3,165 > 1,225)

I) TOTAL ACCESSIBLE EXITS (PER ADA): 2 REQUIRED & 5 PROVIDED

11) TRAVEL DISTANCE
MAXIMUM TRAVEL DISTANCE: 250 FT

12) PLUMBING FIXTURE COUNTS

PER TABLE 403.1 (IPC) AND CHAPTER 29 (IBC)

TOTAL BUILDING OCCUPANT LOAD:	**1,225**
LOAD DISTRIBUTION:	**50% MALE, 50% FEMALE**
DISTRIBUTION COUNT:	**613 MALE & 613 FEMALE**

LAVATORIES REQUIRED:

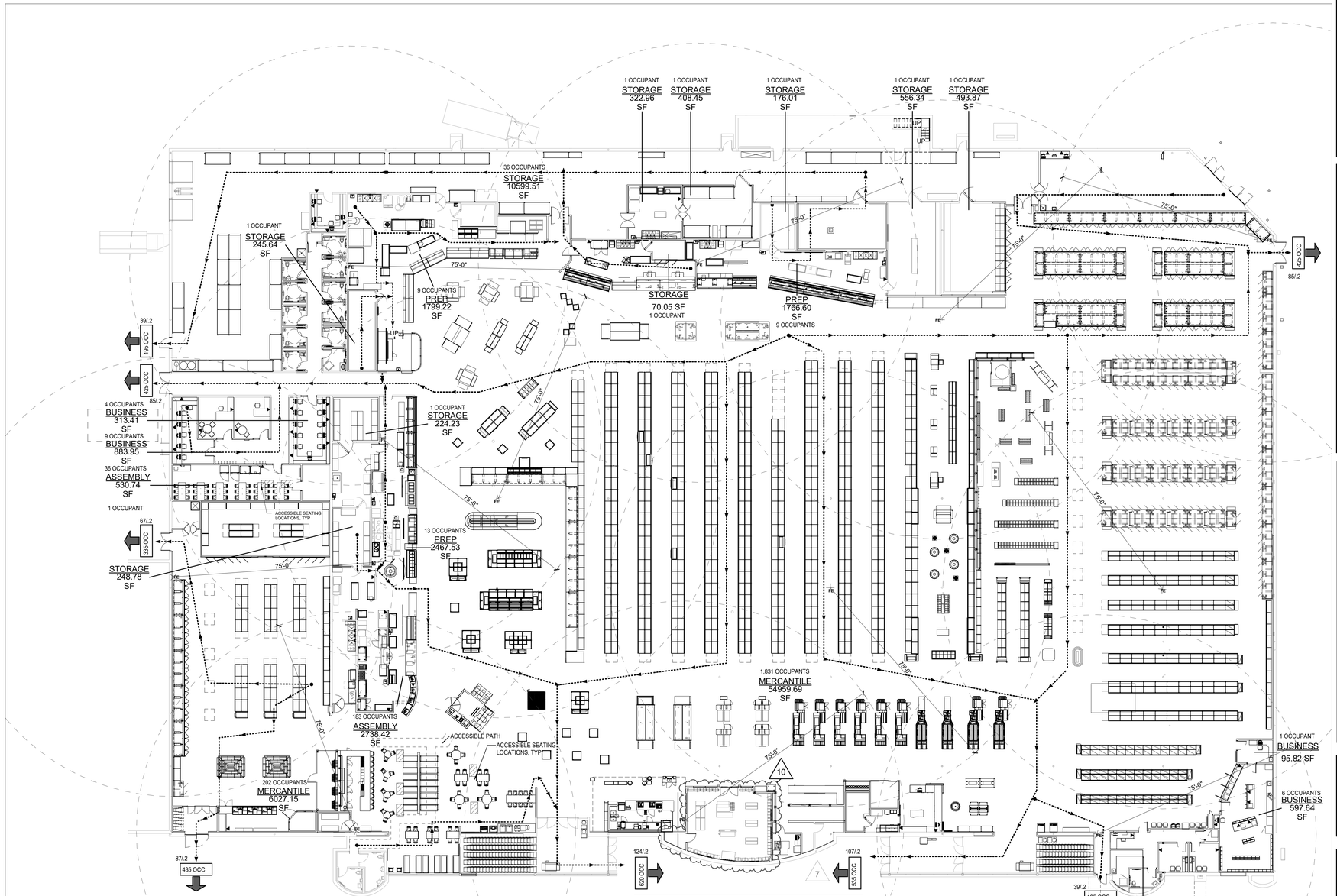
MALE LAVATORIES:	**1 (6 PROVIDED)**
FEMALE LAVATORIES:	**1 (6 PROVIDED)**

WATER CLOSETS REQUIRED:

MALE WATER CLOSETS:	**2 (6 PROVIDED)**
FEMALE WATER CLOSETS:	**2 (6 PROVIDED)**
UNISEX/FAMILY WATER CLOSETS:	**0 (1 PROVIDED)**

PER INTERNATIONAL PLUMBING CODE (IPC) TABLE 419.2 URINALS CAN BE SUBSTITUTED UP TO 50 PERCENT OF THE REQUIRED WATER CLOSETS

DRINKING FOUNTAINS:
3 REQUIRED, 2 PROVIDED (HI-LOW) + WATER AT SEATING AREA



CODE KEY PLAN

CAP # — POINT OF EGRESS AND EGRESS CAPACITY

CAP # — HORIZONTAL EXIT AND EGRESS CAPACITY

NOTE:
THE CONTRACTOR IS TO PROVIDE AND INSTALL FIRE EXTINGUISHERS THROUGHOUT THE PROJECT AS REQUIRED BY THE LOCAL FIRE MARSHALL. CONTRACTOR IS TO VERIFY TYPES, QUANTITIES, AND LOCATIONS WITH THE LOCAL FIRE MARSHALL.

PROVIDE PORTABLE FIRE EXTINGUISHERS THROUGHOUT THE BUILDING AS REQUIRED BY THE APPLICABLE BUILDING AND FIRE CODES. SIZE AND LOCATE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10. STANDARD FOR PORTABLE FIRE EXTINGUISHERS SHALL BE 20 LB. TYPE 2A. 10BC IN ALL AREAS EXCEPT WHERE LOCATED NEAR COMMERCIAL COOKING EQUIPMENT. FIRE EXTINGUISHERS NEAR COMMERCIAL COOKING EQUIPMENT SHALL BE TYPE K.

LEGEND:
FIRE EXTINGUISHER **FE**

1 MAIN LEVEL CODE ANALYSIS PLAN
SCALE: 1/16" = 1'-0"

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Joe Frogge

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08/13/21

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CODE ANALYSIS PLAN

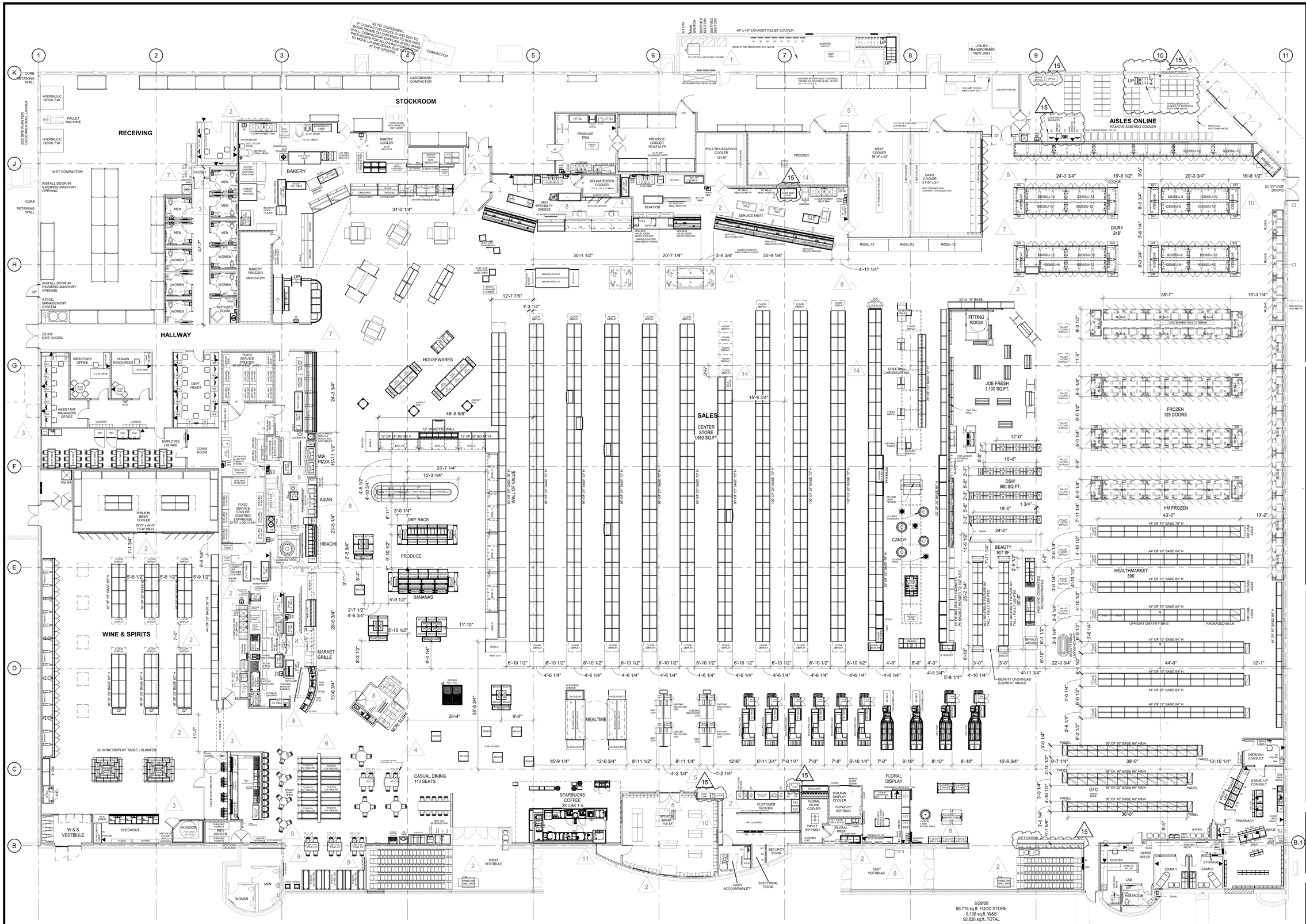
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1 FIXTURE AND EQUIPMENT PLAN
SCALE: 3/32" = 1'-0"

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FIXTURE & EQUIPMENT PLAN

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DEMOLITION NOTES

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, UNLESS NOTED OTHERWISE.
5. REMOVE PORTION OF CMU WALL. REF STRUC.
6. REMOVE COLUMN, REF STRUC
7. REMOVE PORTION OF COOLER/FREEZER 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.
9. REMOVE PORTION OF EXISTING WALL AS SHOWN IN DASHED LINES & PREP. FOR NEW WORK.

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.

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

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

9 3'H @ 5'-0" A.F.F.
5'-0"
1'-6"

4 TYP

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

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ARCHITECTURAL DEMOLITION PLAN

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15	ASI#15	10/12/21

PARTITION NOTES

1. CONSTRUCT ALL PARTITIONS TO THE BOTTOM OF STRUCTURE WITH DEFLECTION TRACK AT THE TOP, UNLESS NOTED OTHERWISE. (SEE PARTITION SYMBOL.) GYP BD SHALL EXTEND TO TOP OF BOTH SIDES, CONTRACTOR HAS THE OPTION TO TERMINATE WALL 6" ABOVE THE HIGHEST ADJACENT CEILING AS LONG AS THE WALL IS DIAGONALLY BRACED @ 48" O.C. WITH EVERY OTHER BRACE GOING TO THE OPPOSITE SIDE OF THE WALL.
2. ALL STUD & CHANNEL SPACING IS TO BE 1'-4" O.C. UNLESS NOTED OTHERWISE
3. ALL STUDS OVER 14' H SHALL BE 20 GA MTL. ALL OTHER PARTITION STUDS SHALL BE STD GA AS SPECIFIED (09 21 16)
4. ALL GYP BD SHALL BE 5/8" OR 1/2" THICK & BE REGULAR, WATER RESISTANT (W,R.) OR FIRE RESISTANT (F.R.) AS NOTED IN PARTITION TYPES.
5. LOCATE BRACING TO INTERIOR SIDE OF ROOM IN A CONCEALED MANNER.
6. BRACE TO ADJACENT WALLS WITH METAL STUDS WHERE POSSIBLE.
7. ALL DIMENSIONS ARE TO FACE OF STUD, GRID LINES OR TO NOMINAL FACE OF MASONRY, UNLESS NOTED OTHERWISE.
8. AT ALL LOCATIONS WHERE THE EXISTING CEILING IS BEING RAISED UP, CONTRACTOR IS TO ADD STUDS/FURRING AND GYPSUM BOARD FINISH AS NEEDED TO FILL IN THE NEW PERIMETER WALL AREA AND FINISH AS SCHEDULED.
9. ALL NEW AND EXISTING EXPOSED COOLER/FREEZER WALLS AND EXPOSED STUD WALLS IN THE STOCKROOM RECEIVING AREA ARE TO HAVE 1/2" PLYWOOD OVER 2"x10" BASE WITH EASED EDGE. ADD WHERE NEEDED AND REPLACE AT EXISTING DAMAGED WALLS.
10. IN ADDITION TO CONTROL JOINTS INDICATED ON DRAWINGS: WHERE INSTALLING FURRING AND GYPSUM BOARD ON MASONRY WALLS, INSTALL #093 CONTROL JOINTS AT MAX. 30'-0" O.C. AND AT TRANSITIONS BETWEEN HORIZONTAL AND VERTICAL GYPSUM BOARD SHEATHED PLANES, AS WELL AS OPENING GREATER THAN 4'-0" IN ANY DIRECTION. THE CONTRACTOR IS ALSO TO INSTALL A VERTICAL SLIP JOINT AT ANY LOCATION WHERE A ROOF SUPPORTED SOFFIT WALL COMES IN CONTACT WITH A WALL THAT IS FLOOR SUPPORTED.

PLY ON STUD WALLS IN BOH TO EXTEND 8' AFF, REF 6 / A3.16

WALLS EXTEND TO DECK

SEE SHEET A2.5 FOR WALL TYPES

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

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FLOOR PLAN

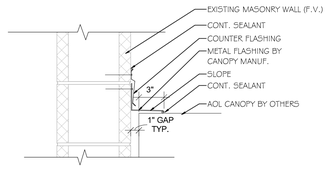
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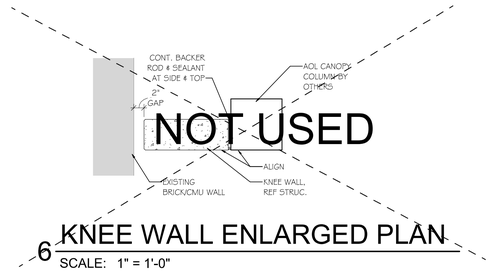
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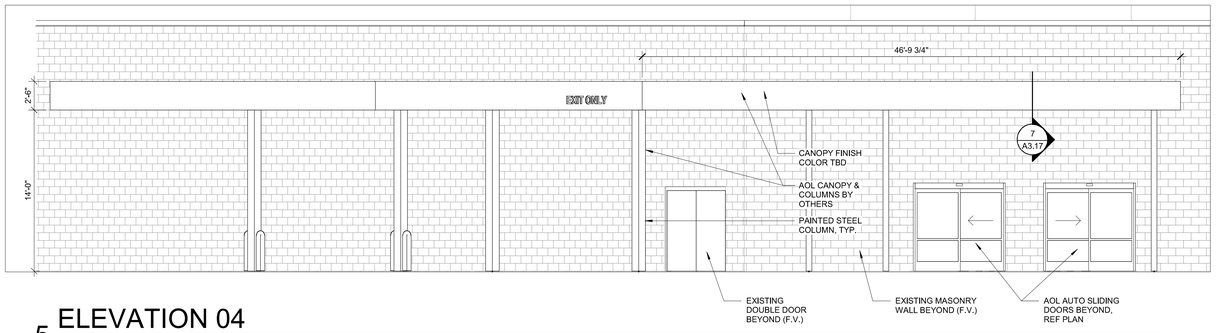
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7 DETAIL
SCALE: 1 1/2" = 1'-0"

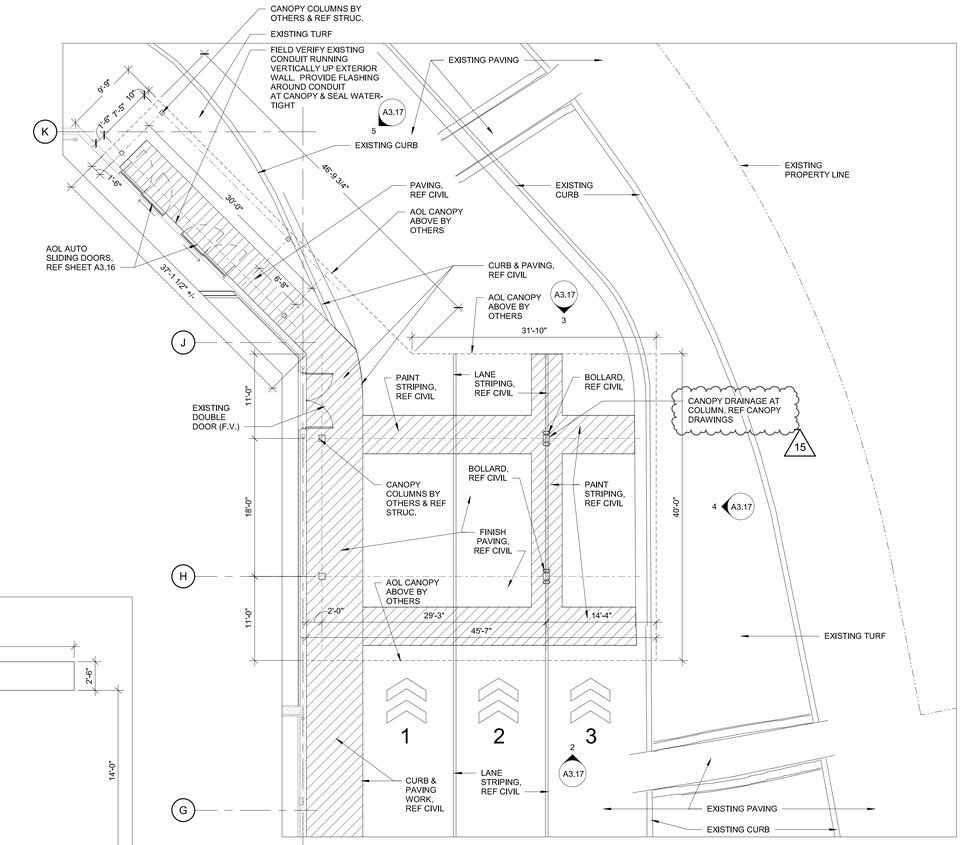


6 KNEE WALL ENLARGED PLAN
SCALE: 1" = 1'-0"



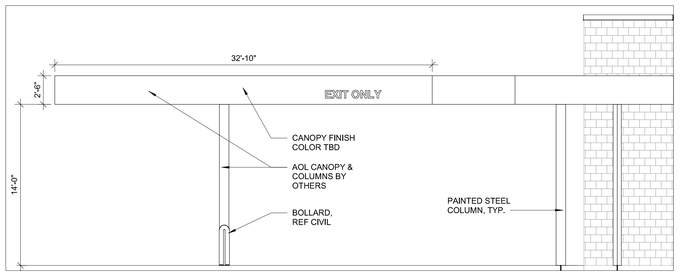
5 ELEVATION 04
SCALE: 3/16" = 1'-0"

4 ELEVATION 03
SCALE: 3/16" = 1'-0"

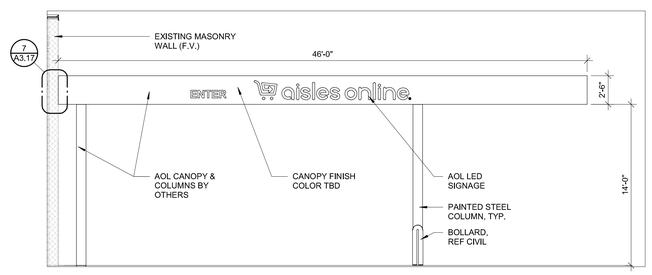


1 AOL CANOPY PLAN
SCALE: 1/8" = 1'-0"

NOTES:
1). ALL EXTERIOR PAVING, CURB, PAINT STRIPING, & ETC., SCOPE OF WORK, REF CIVIL.
2). AOL CANOPY COLUMN FOOTINGS, REF STRUC.
3). AOL CANOPY & COLUMNS BY OTHERS.



3 ELEVATION 02
SCALE: 3/16" = 1'-0"



2 ELEVATION 01
SCALE: 3/16" = 1'-0"

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AOL CANOPY PLAN & ELEVATIONS

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REF ELEC FOR SAFETY LIGHTING TO MEZZANINE

CEILING TILES AND LIGHTS TO BE REUSED FROM EXISTING

PROTOCOL PLATFORM @ 8'-8" +/- A.F.F.) SHOWN IN HATCHED AREA, REF STRUC.

EXISTING PROTOCOL UNIT (F.V.)

PLYWOOD ON STUD WALL AS SHOWN IN BOLD DASHED LINES

EXISTING ELEC. PANEL (F.V.)

MATCH EXISTING

NEW TILES/GRID TO MATCH EXISTING, UP TO NEW WALL.

REPLACE TILES TO MATCH EXISTING, UP TO NEW WALL.

11'-11" FROM OUTSIDE FACE OF MTL TO MTL STUD

PROVIDE WALL TYPE 10D ABOVE COOLER

DECORATOR BEAMS PROVIDED BY DECOR PROVIDER

WHERE NEW CEILING AREAS ARE GRAPHICALLY SHOWN TO ABUT EXISTING CEILINGS, THE EXISTING CEILING GRID LAYOUT IS TO EXTEND THROUGH THE NEW CEILING AREA. ONLY FULL TILES ARE TO BE USED AT THE JUNCTURE OF EXISTING AND NEW CEILINGS. (TYPICAL)

FROZEN SIGNAGE

HEALTH MARKET SIGNAGE

DECOR SIGNAGE, REF 13/A5.2 FOR CONNECTION TO STRUCTURE

OPEN TO SALES FLOOR CEILING ABOVE

FOAM BEAMS, REF A3.10

FINISH CEILING 'C1' AT 13'-10 A.F.F. TO CONTINUE OVER AREAS; CUSTOMER SERVICE, FLORAL WORK COOLER, WALK-IN DISPLAY COOLER, & FLORAL. REF FLOOR PLAN SHEET A1.0 FOR NEW & EXISTING WALL BUILT TO BOTTOM OF EXISTING ROOF DECK.

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

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REFLECTED CEILING PLAN

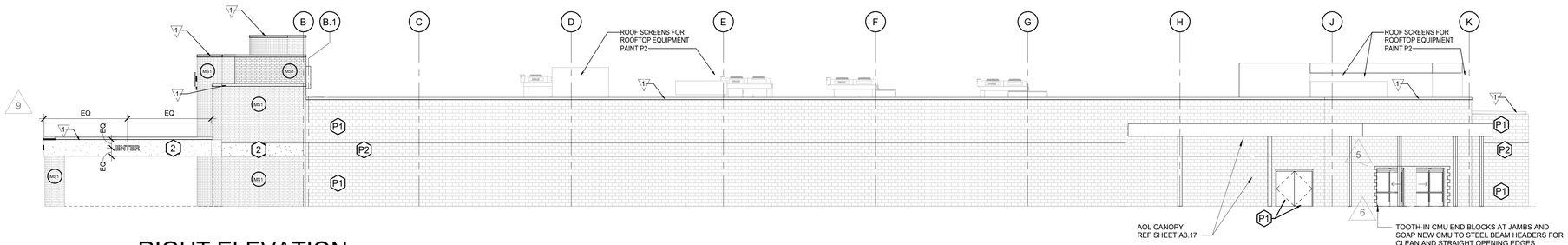
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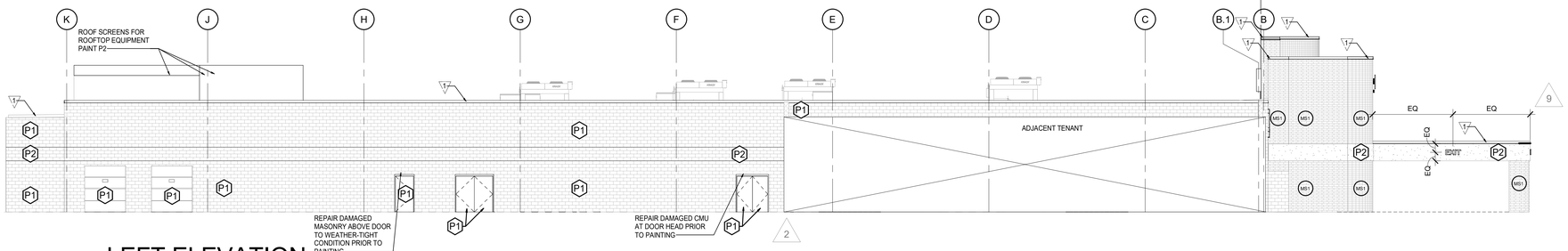
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10	ASI #11	08/13/21



1 RIGHT ELEVATION

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



2 LEFT 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

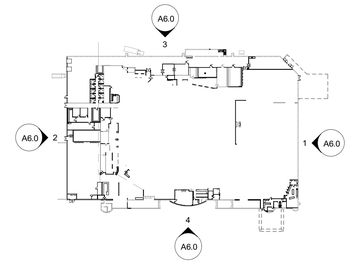
METAL FLASHINGS:

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

EXTERIOR METAL ASSEMBLIES:

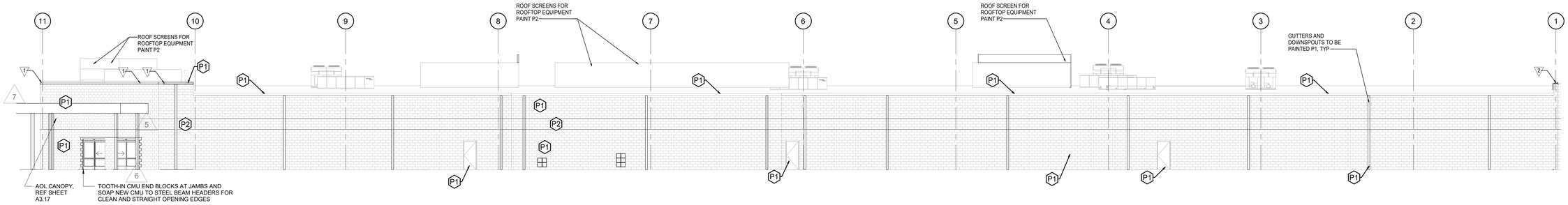
PAINT ALL EXTERIOR PIPE BOLLARDS TO MATCH MAIN BRICK COLOR - P3

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



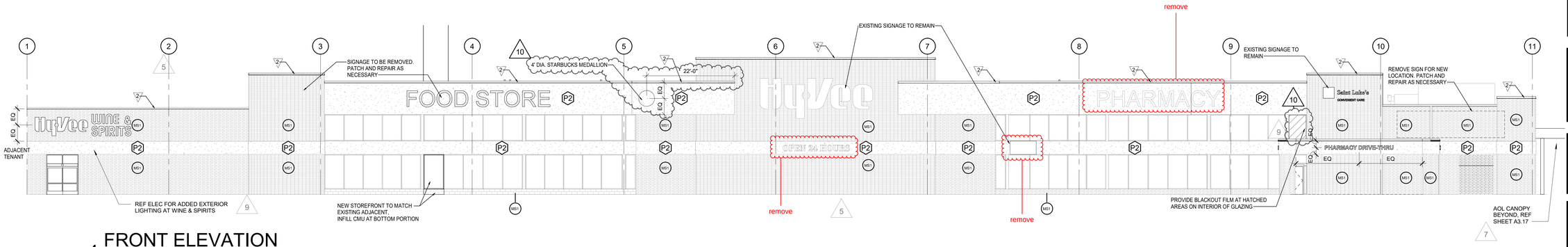
KEY PLAN

SCALE: N.T.S.



3 REAR ELEVATION

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



4 FRONT ELEVATION

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

brr

Architect of Record:
BRR Architecture, Inc

Kansas City
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8131 Metcalf Avenue
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PROFESSIONAL SEAL

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

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

08/13/21

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

EXTERIOR ELEVATIONS

PROJECT MANAGER	CHECKED BY:
SB	
DRAWN BY:	DATE:
SB	8/13/21
SCALE:	JOB NUMBER:
As indicated	62930547

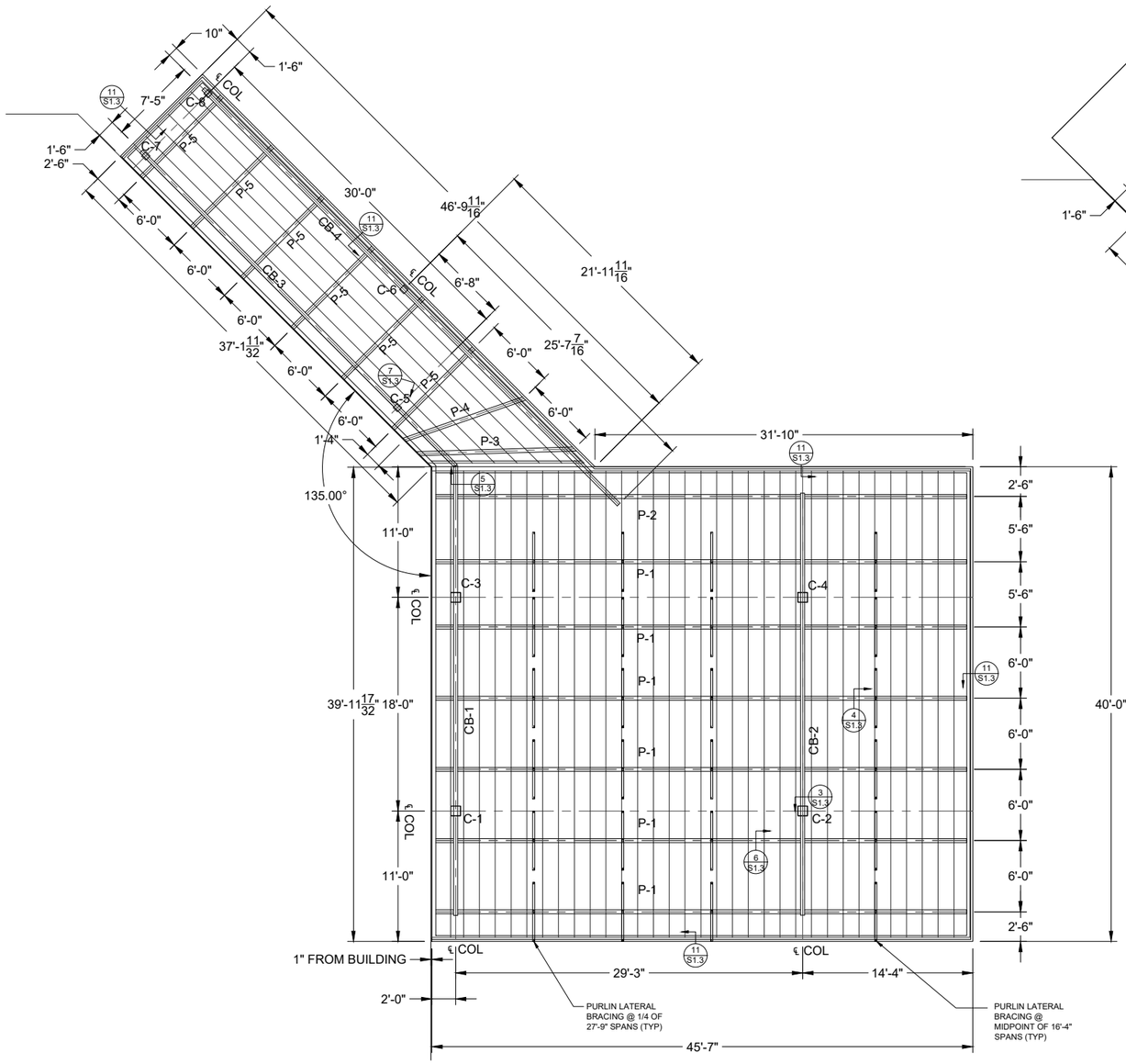
SHEET:

A6.0

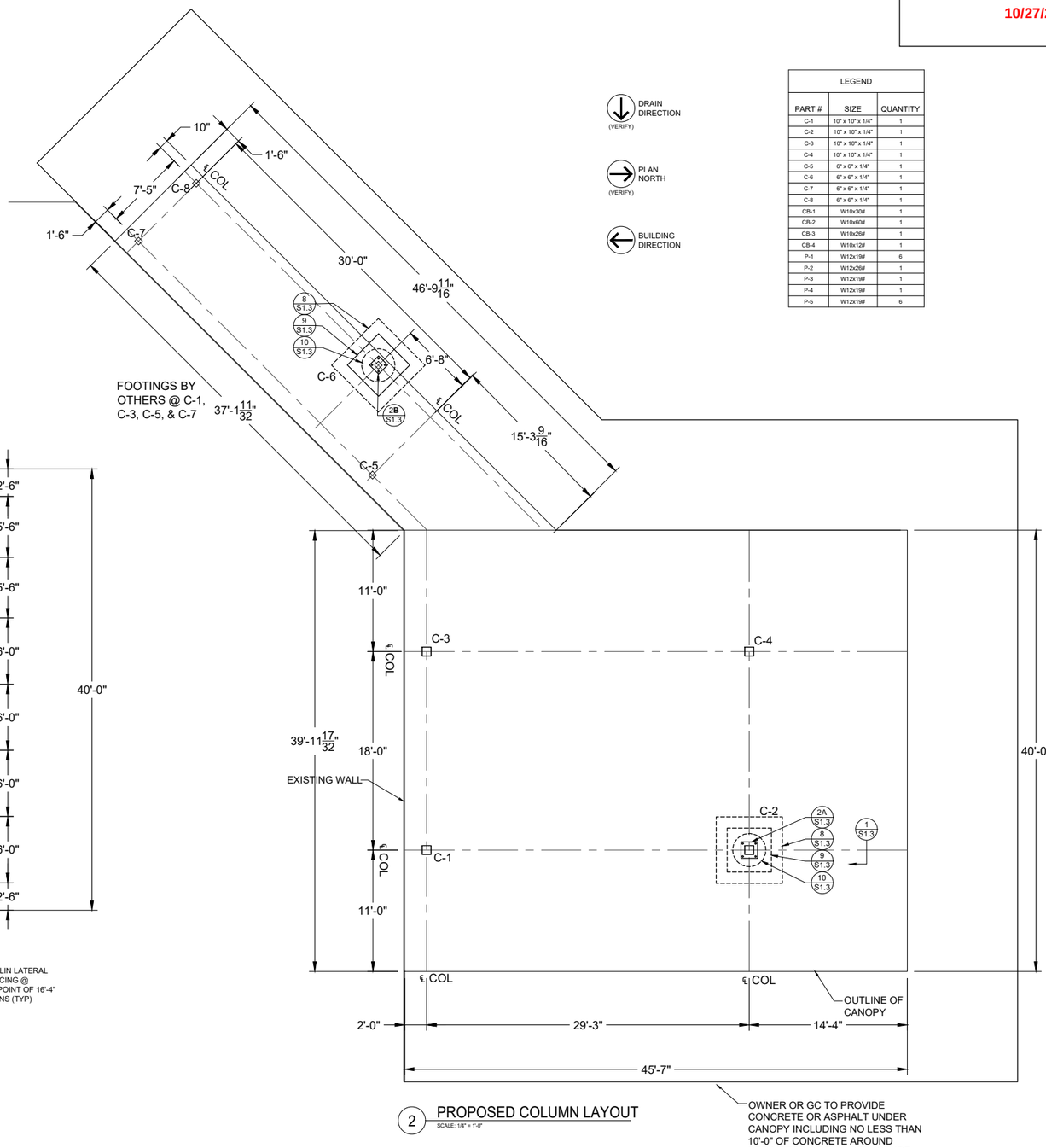
8/13/2021 4:51:47 PM

RELEASED FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

10/27/2021



1 PROPOSED CANOPY LAYOUT
SCALE: 1/4" = 1'-0"



2 PROPOSED COLUMN LAYOUT
SCALE: 1/4" = 1'-0"

DRAIN DIRECTION (VERIFY)

PLAN NORTH (VERIFY)

BUILDING DIRECTION

LEGEND		
PART #	SIZE	QUANTITY
C-1	10" x 10" x 1/4"	1
C-2	10" x 10" x 1/4"	1
C-3	10" x 10" x 1/4"	1
C-4	10" x 10" x 1/4"	1
C-5	6" x 6" x 1/4"	1
C-6	6" x 6" x 1/4"	1
C-7	6" x 6" x 1/4"	1
C-8	6" x 6" x 1/4"	1
CB-1	W10x30#	1
CB-2	W10x60#	1
CB-3	W10x26#	1
CB-4	W10x12#	1
P-1	W12x19#	6
P-2	W12x26#	1
P-3	W12x19#	1
P-4	W12x19#	1
P-5	W12x19#	6

REV	DESCRIPTION

SCALE: AS NOTED
DATE: 5/18/21
DRAWN BY: V.SULLINS
CHECKED BY: F.K./S.C.
ARNING # 17704

This is the seal of the engineer of Arning Companies who is not the engineer of record. This has been stamped, signed and reviewed for structural correctness only by Arning Companies. The engineer of record for Arning Companies, Inc.'s work does not exceed that of the engineering calculations.

STATE OF MISSOURI
FRANK E. KOLKMEYER
E-2001008782
REGISTERED PROFESSIONAL ENGINEER
05/20/2021

AFFILIATE COMPANY

ARNING COMPANIES
P. O. BOX F, CASSVILLE, MO 65625
417-847-3151 ● FAX 417-847-3981

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CUSTOMER
HY-VEE
5820 WESTOWN PARKWAY
WEST DES MOINES, IA 50265

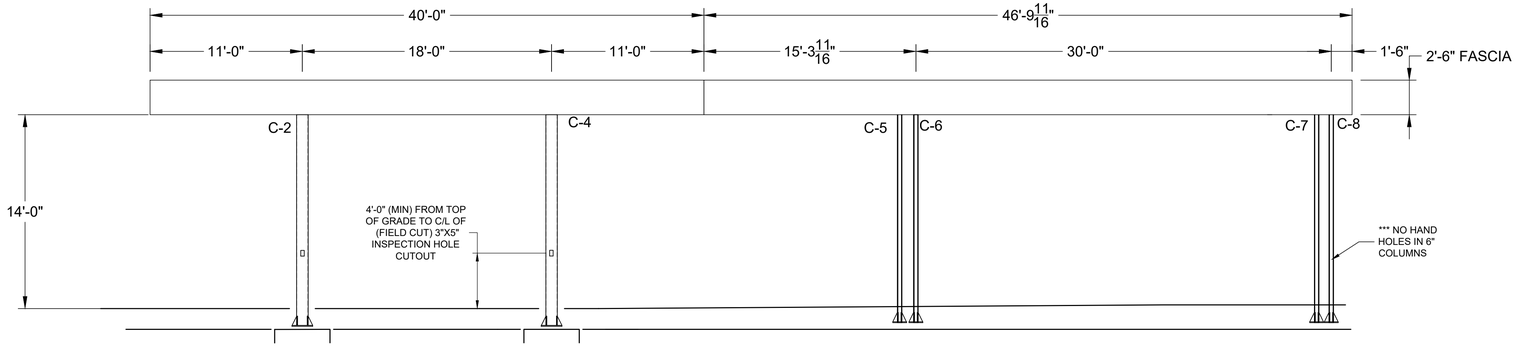
55'-7" X 40'-0" W/ 10'X46'-9" (8) COLUMN CANOPY
CANOPY LOCATION
HY-VEE
AISLES ONLINE AWNING
LEE'S SUMMIT, MO (2)

FRAMING & FOUNDATION PLAN

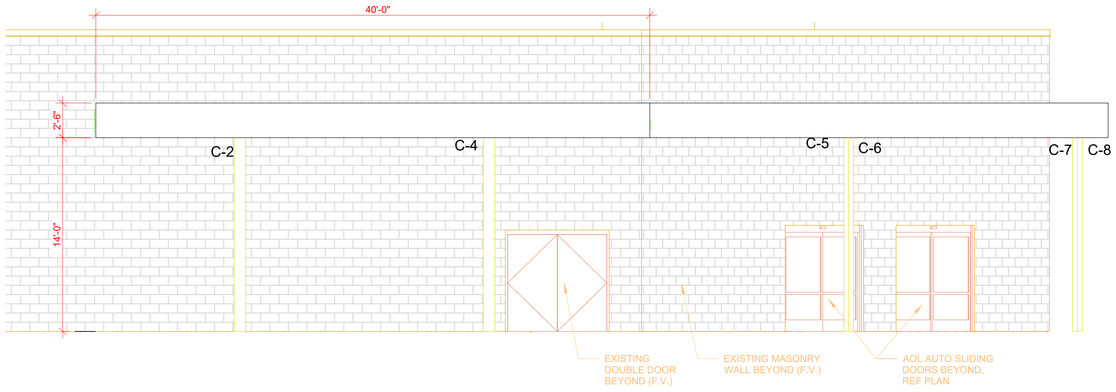
17704 S1.1

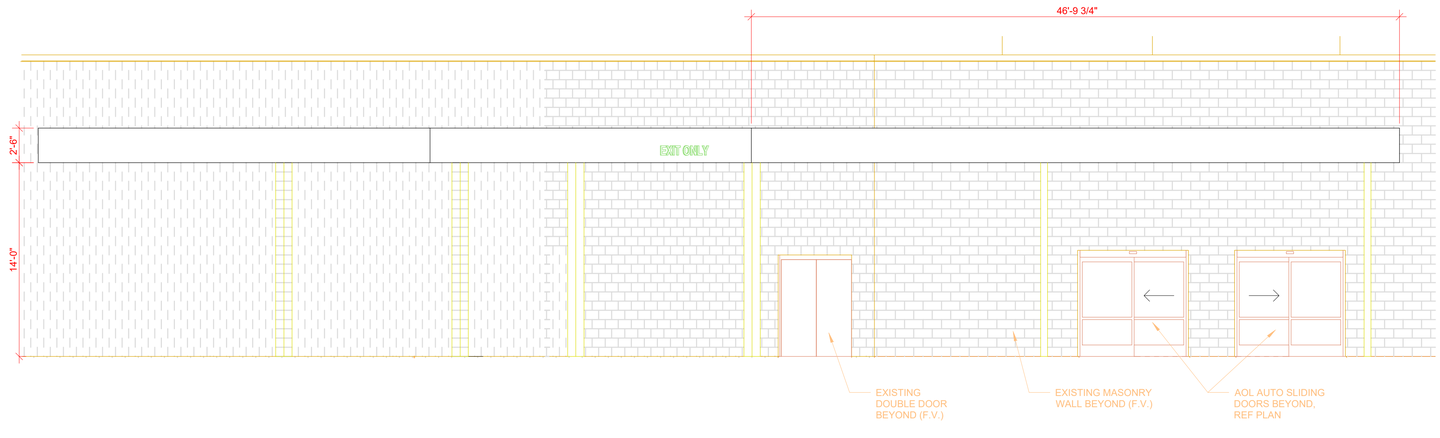
SHEET NOTES

ALL CONDUITS INSIDE COLUMNS WILL REQUIRE A 3"X5" INSPECTION HOLE TO BE FIELD CUT AND LOCATED WITH ITS CENTERLINE AT THE TOP OF THE SEAL OFF. ALL COLUMNS, WITH OR WITHOUT CONDUITS, WILL HAVE A STANDARD ARNING COVERPLATE INSTALLED AT THE SAME ELEVATION. TOUCH-UP PRIMER AT THE INSPECTION HOLE OPENING AFTER FIELD CUTS HAVE BEEN COMPLETED.



3 PROPOSED SIDE VIEW
SCALE: 1/4" = 1'-0"





RELEASE FOR CONSTRUCTION
AS NOTED BY PARK REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/27/2021

REV	DESCRIPTION	DATE	BY

SCALE: AS NOTED
DATE: 5/18/21
DRAWN BY: V.SULLINS
CHECKED BY: F.K./S.C.
ARNING # 17704

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STEVEN E. CRAWFORD
NUMBER E-2001006052
REGISTERED PROFESSIONAL ENGINEER
05/20/2021

APTILITE COMPANY

ARNING COMPANIES
P. O. BOX F, CASSVILLE, MO 65625
417-847-3181 ● FAX 417-847-3281

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CUSTOMER
HY-VEE
5820 WESTOWN PARKWAY
WEST DES MOINES, IA 50265

45'-7" X 40'-0" W/ 10'X46'-9" (8) COLUMN CANOPY
CANOPY LOCATION
HY-VEE
AISLES ONLINE AWNING
LEE'S SUMMIT, MO (2)

CANOPY ELEVATIONS

17704 S1.2

GENERAL STRUCTURAL NOTES

DESIGN COMPLIES WITH 2018 INTERNATIONAL BUILDING CODE:

LOADS COMPLY WITH SEI/ASCE 7-16 REQUIREMENTS:
-LIVE LOAD: 30 P.S.F.
-GROUND SNOW: 20 P.S.F.
-WIND LOAD: 37.34 P.S.F.
(7-16 & 115 MPH WIND SPEED, EXPOSURE "C")
-UPLIFT: 13.94 P.S.F.

STEEL BEAMS: A572 WITH MINIMUM YIELD OF 50,000 P.S.I.

STEEL ROOF PANELS: 16" W x 3" D x 20 GA. Steel Panels

STEEL TUBE: ASTM A-500 GRADE-B WITH Fy= 46 ksi MIN.

STEEL PLATE: A36 QUALITY WITH MINIMUM YIELD OF 36,000 P.S.I.

STEEL ANCHOR BOLTS: F 1554 WITH MINIMUM YIELD OF 36,000 P.S.I.

STEEL CONCRETE REINFORCEMENT: ASTM A615, GRADE 60 W/ A MINIMUM YIELD OF 60,000 P.S.I.

CONCRETE: MEETING ACI REQUIREMENTS WITH A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'C - 3000 P.S.I.

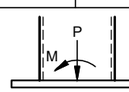
WELDING: LOW HYDROGEN TYPE, E70 SERIES, PER AWS D1.1. WELDING PROCEDURE AND MATERIAL COMPLY WITH AWS STANDARDS. WELDING PERFORMED BY CERTIFIED WELDERS IN-HOUSE AT ARNING COMPANIES FACILITIES IN CASSVILLE, MO. ARNING C.S.I. IS CERTIFIED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC).

SNUG-TIGHT METHOD: ALL BOLTS SHALL BE BROUGHT TO THE SNUG-TIGHT CONDITION. SNUG-TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PLIES OF THE JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.

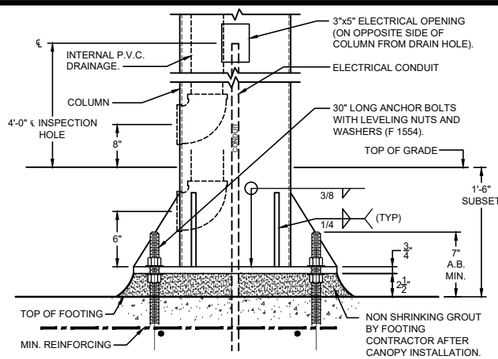
SCREWS: SELF DRILLING SCREWS MANUFACTURED BY ITW BUILDEX SHALL COMPLY WITH MANUFACTURER SPECIFICATIONS AND ICBO 3056 STANDARDS.

* THE ABOVE NOTES AND SPECIFICATIONS SHALL MEET OR EXCEED ALL STATE AND LOCAL CODE REQUIREMENTS BEFORE ERECTION.

ASD SERVICE LEVEL REACTIONS FOR C-1, C-3, C5, & C-7 COLUMNS FOUNDATION DESIGN			
LOAD CASE	SHEAR V (KIPS)	VERTICAL P (KIPS)	MOMENT M (KIP-FT)
DEAD	0.00	3.10	0.00
LIVE	0.00	6.25	0.00
SNOW	0.00	24.20	0.00
WIND 1 - TRANSVERSE	0.73	4.76	14.51
WIND 2 - TRANSVERSE	0.73	-4.37	14.51
WIND 3 - LONGITUDINAL	0.56	4.76	11.62
WIND 4 - LONGITUDINAL	0.56	-4.37	11.62
SEISMIC	0.57	0.08	9.71

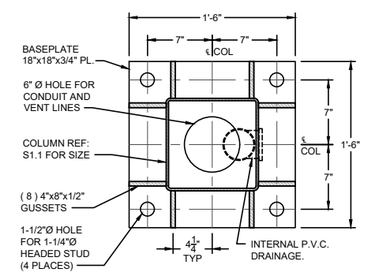


NOTES:
1. SIGN CONVENTION SHOWN DENOTES POSITIVE FORCES.
2. THE REACTIONS PROVIDED DO NOT INCLUDE THE DEAD WEIGHT OR WIND/SEISMIC REACTIONS DUE TO CANOPY COLUMN WRAPS, IF PRESENT.
3. ALL REACTIONS PROVIDED REPRESENT ASD SERVICE LEVEL REACTIONS. WIND LOAD REACTIONS ARE PROVIDED AS 0.6*ULTIMATE VALUES AS CALCULATED PER ASCE 7-10. SEISMIC LOAD REACTIONS ARE PROVIDED AS 0.7*ULTIMATE VALUES AS CALCULATED PER ASCE 7-10.



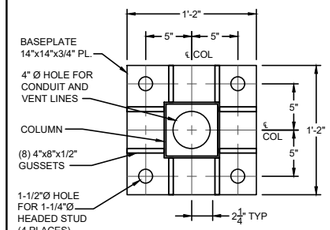
1 ANCHOR BOLT DETAIL
N.T.S.

NOTE: REFER TO GENERAL STRUCTURAL NOTES FOR SNUG TIGHT NUT TIGHTENING METHOD



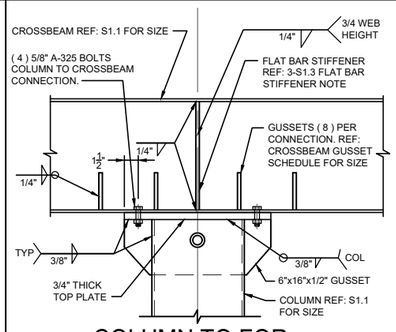
2A BASE PLATE DETAIL
N.T.S.

COLUMNS C-1 THRU C-4



2B BASE PLATE DETAIL
N.T.S.

COLUMNS C-5 THRU C-8



3 COLUMN TO CROSSBEAM CONNECTION FOR C-1 THRU C-4
N.T.S.

NOTE: REFER TO GENERAL STRUCTURAL NOTES FOR TURN-OF-THE-NUT TIGHTENING METHOD

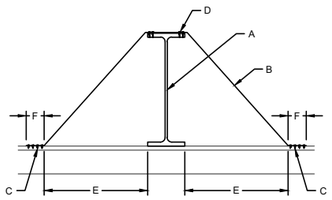
CROSSBEAM GUSSET SCHEDULE	
4" X 2-1/2" X 1/4" GUSSET	6" X 4" X 3/8" GUSSET
W10X30#	W10X60#

FLAT BAR STIFFENER NOTE (COL TO CB):
1/4" FLAT BAR ON EACH SIDE OF WEB @ COL. TO CROSSBEAM CONNECTION FOR SIZES UP TO W16X31#. ALL SIZES LARGER W16X31# USE 3/8" FLAT BAR.

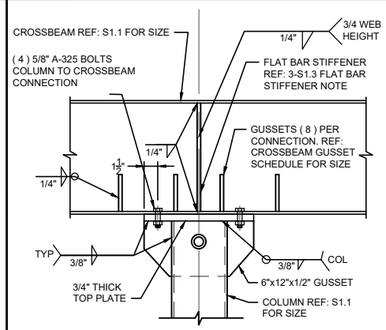
NOTE:
#12 TEK SCREWS TO HAVE 1" O.C. MINIMUM EACH SIDE (TYP)

LATERAL BRACING STRAP CONFIGURATION CHART

A	B	C	D	E	F
PURLIN SIZE	STRAP LENGTH (18 GA) GALV.	NO. OF SCREWS (#12x3/4")	NO. OF SCREWS (#12x1 1/4")	DISTANCE FROM EDGE OF PURLIN TO EDGE OF STRAP	LENGTH OF SCREW FLAP
W6x9#	37"	3	2	11-3/4"	3"
W8x10#	46"	3	2	15-3/4"	3"
W10x12#	57"	4	2	19-3/4"	4"
W12x14#	66"	4	3	23-3/4"	4"
W12x16#	68"	5	3	24"	5"
W12x19#	71"	6	4	24-1/4"	6"
W12x22#	73"	7	4	24-1/2"	7"
W14x26#	81"	7	4	27-1/2"	7"
W16x26#	92"	8	5	31-1/4"	8"
W16x31#	95"	9	6	31-3/4"	9"
W16x36#	100"	11	7	31-3/4"	11"
W18x35#	106"	10	7	35-1/2"	10"
W18x40#	110"	12	8	35-3/4"	12"
W21x44#	123"	12	8	41-1/4"	12"



4 PURLIN LATERAL BRACING
N.T.S.

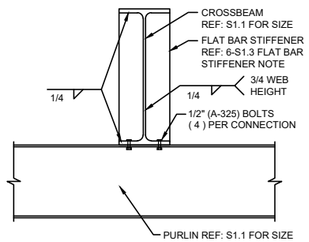


7 COLUMN TO CROSSBEAM CONNECTION FOR C-5 THRU C-8
N.T.S.

NOTE: REFER TO GENERAL STRUCTURAL NOTES FOR TURN-OF-THE-NUT TIGHTENING METHOD

CROSSBEAM GUSSET SCHEDULE	
3" X 1-3/4" X 1/4" GUSSET	4" X 2-1/2" X 1/4" GUSSET
W6x9#	W10x26#
W8x10#	W16x26#
W10x12#	W16x31#
W12x14#	W16x36#
W12x16#	W18x35#
W12x19#	W18x40#
W12x45#	W18x50#
	W21x44#
	W24x55#
	W24x62#
	W24x68#

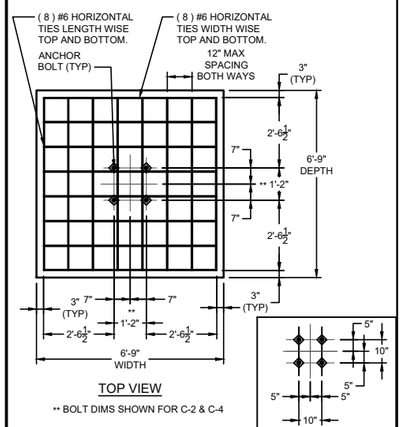
FLAT BAR STIFFENER NOTE (COL TO CB):
1/4" FLAT BAR ON EACH SIDE OF WEB @ COL. TO CROSSBEAM CONNECTION FOR SIZES UP TO W16X31#. ALL SIZES LARGER W16X31# USE 3/8" FLAT BAR.



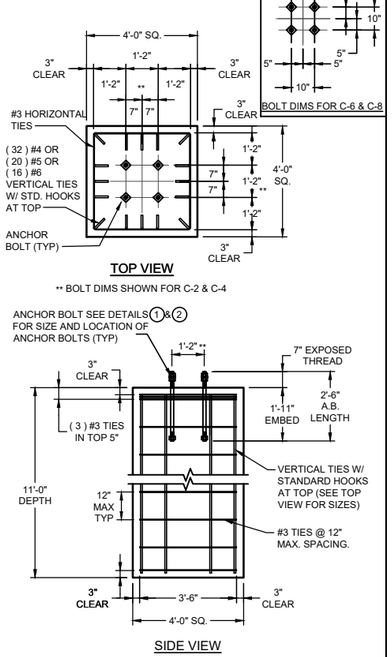
6 CROSSBEAM TO PURLIN CONNECTION
N.T.S.

NOTE: REFER TO GENERAL STRUCTURAL NOTES FOR SNUG TIGHT NUT TIGHTENING METHOD

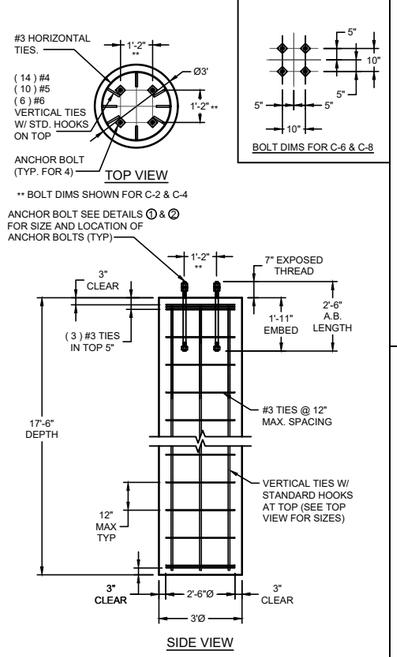
FLAT BAR STIFFENER NOTE (PURLIN TO PURLIN):
1/4" FLAT BAR ON EACH SIDE OF WEB @ PURLIN TO PURLIN CONNECTION FOR SIZES UP TO W16X31#. ALL SIZES LARGER THAN W16X31# USE 3/8" FLAT BAR.



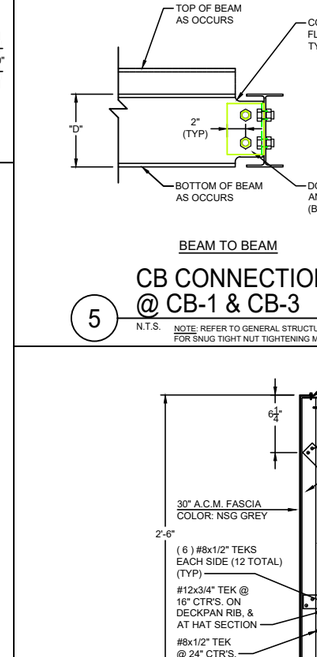
8 OPTION #1 SPREAD FOOTING
N.T.S



9 OPTION #2 CUBE FOOTING
N.T.S



10 OPTION #3 CAISSON FOOTING
N.T.S



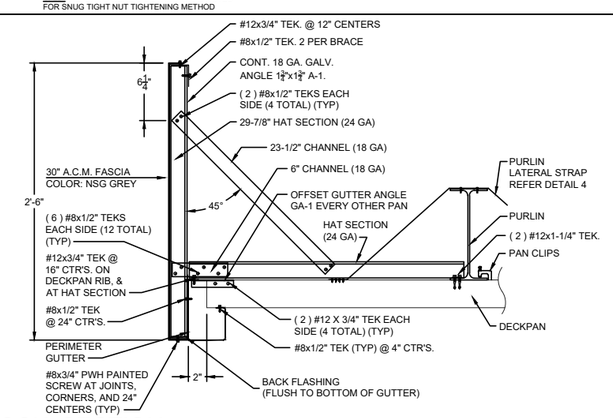
BEAM TO BEAM

5 CB CONNECTION @ CB-1 & CB-3
N.T.S.

NOTE: REFER TO GENERAL STRUCTURAL NOTES FOR SNUG TIGHT NUT TIGHTENING METHOD

FLUSH FRAME CONNECTION SCHEDULE		
BEAM DEPTH "D"	NUMBER OF 3/4"Ø BOLTS (A325)	CONNECTION CAPACITY MIN. (kips)
W8 & W10	2	11
W12 & W14	3	21
W16	4	36
W18	5	55
W21 & W24	6	81
W27	7	116
W30	8	132
W33	9	148
W36	10	164

* BEAM SIZES AND ORIENTATION VARIES - SEE PLAN
* USE ∠4"X4"X¼" WITH 1-1/4" VERTICAL EDGE DISTANCE AND 3" BOLT SPACING
* "D" IS THE SMALLER OF THE CONNECTING BEAM SIZES



11 FASCIA SECTION
SCALE: 1-1/2" = 1'-0"

RELEASED FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/27/2021

REV	DESCRIPTION	DATE

SCALE AS NOTED
DATE 5/18/21
DRAWN BY V.SULLINS
CHECKED BY F.K./S.C.
ARNING # 17704

This is the seal of the engineer of Arning Companies and that the engineer of record. This seal has been signed and dated in accordance with the Missouri Board of Architects, Professional Engineers, and Professional Land Surveyors rules. The seal on these documents authorizes only the use of that individual or firm named with the accompanying calculations.

STATE OF MISSOURI
JAMES M. ARNING
NUMBER E-29018
REGISTERED PROFESSIONAL ENGINEER
05/05/2021

AFFILIATE COMPANY

CERTIFICATE OF AUTHORITY

ARNING COMPANIES
P. O. BOX F, CASSVILLE, MO 65625
417-847-2351 ● FAX 417-847-3268

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CUSTOMER
HY-VEE
5820 WESTOWN PARKWAY
WEST DES MOINES, IA 50265

45'-7" X 40'-0" W/ 10'X46'-9" (8) COLUMN CANOPY
CANOPY LOCATION
HY-VEE
AISLES ONLINE AWNING
LEE'S SUMMIT, MO (2)

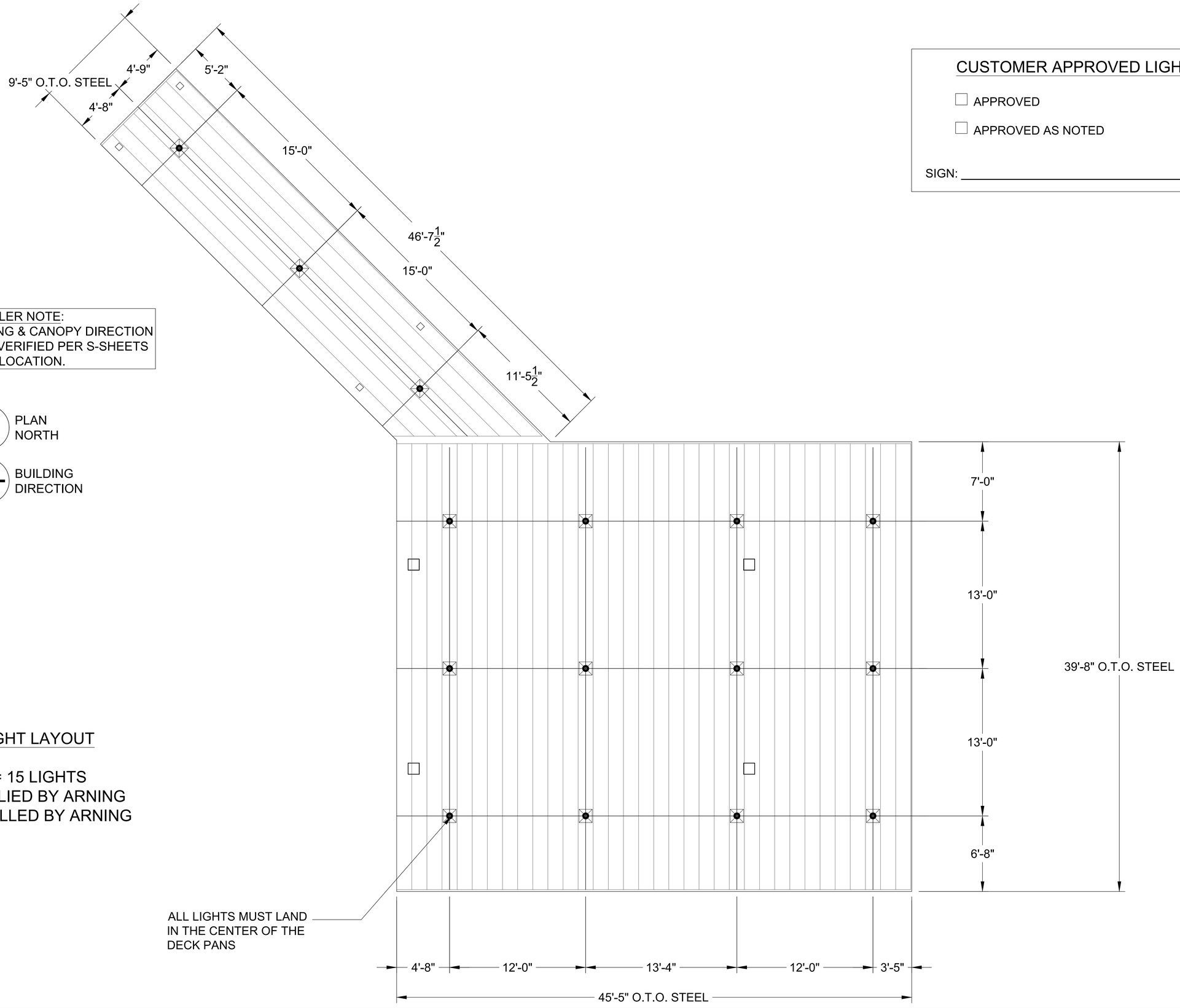
TYPICAL CONSTRUCTION DETAILS & NOTES

17704 S1.3

RELEASE FOR CONSTRUCTION
AS NOTED BY CITY REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/27/2021

REV	DESCRIPTION	DATE	BY

SCALE	AS NOTED
DATE	5/18/21
DRAWN BY	V.SULLINS
CHECKED BY	F.K./S.C.
ARNING #	17704



INSTALLER NOTE:
BUILDING & CANOPY DIRECTION TO BE VERIFIED PER S-SHEETS & SITE LOCATION.

PLAN NORTH

BUILDING DIRECTION

CUSTOMER APPROVED LIGHT LAYOUT

☐ APPROVED

☐ APPROVED AS NOTED

SIGN: _____ DATE: _____

LIGHT LAYOUT

⊠ = 15 LIGHTS
SUPPLIED BY ARNING
INSTALLED BY ARNING

ALL LIGHTS MUST LAND IN THE CENTER OF THE DECK PANS

ARNING COMPANIES
P. O. BOX F, CASSVILLE, MO 65625
417-847-3161 ● FAX 417-847-3587

THESE DRAWINGS AND ALL WORK THEREON ARE AT ALL TIMES THE PROPERTY OF ARNING COMPANIES, ANY USE, NATURE AND/OR REMAIN THE PROPERTY OF ARNING COMPANIES, ANY USE, DISCLOSURE OR REPRODUCTION OF THESE DRAWINGS WITHOUT THE PRIOR EXPRESS CONSENT IN WRITING BY ARNING COMPANIES IS STRICTLY PROHIBITED

CUSTOMER
HY-VEE
5820 WESTOWN PARKWAY
WEST DES MOINES, IA 50265

45'-7" X 40'-0" W/ 10'X46'-9" (8) COLUMN CANOPY
CANOPY LOCATION
HY-VEE
AISLES ONLINE AWNING
LEE'S SUMMIT, MO (2)

LIGHT LAYOUT FOR CUSTOMER APPROVAL

17704 S1.4

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DOES NOT RELIEVE CONTRACTOR
RESPONSIBILITY FOR SHOP DRAWING SUBMITTAL, ASSEMBLY, OR CONSTRUCTION
10/27/2021

REVISION		
		BY:
1	ASI #2	01/26/21
2	ASI #3	03/19/21
3	ASI #5	04/16/21
4	ASI #7	05/19/21
5	ASI #8	

EXISTING COLUMN AND PEDESTAL TO REMAIN
TYP, 4 SIDES 7 S5.0
1 S0.1
NEW RECESSED SLAB FOR QUARRY TILE; REF 5-S5.0; REF ARCH FOR EXTENTS AND EXACT LOCATION
REF ARCH FOR EXACT LOCATION AND SIZE OF NEW FREEZER EXTENSION
REMOVE TOP SLAB OF EXISTING FREEZER SLAB; EXISTING SUBSLAB TO REMAIN
SLAB TRENCHING FOR UNDERSLAB UTILITIES, TYP; REF 5-S5.0; REF ARCH/MEP/REFRIGERATION FOR EXTENTS AND EXACT LOCATIONS
EXISTING COLUMN FOOTING TO REMAIN, TYP
EXISTING COLUMN TO REMAIN, TYP
EXISTING CONC SLAB-ON-GRADE TO REMAIN; FF EL = 100'-0"
NEW RECESSED SLAB FOR QUARRY TILE; REF 5-S5.0; REF ARCH FOR EXTENTS AND EXACT LOCATION
EXISTING 12" CMU WALL TO REMAIN
ABOVE 2 S0.1
6' - 8 1/4"
COORDINATE EXACT LOCATION OF WINE ROOM SOFFIT SUPPORT POSTS WITH ARCH
10 S5.2
COORDINATE EXACT LOCATION OF BAR SUPPORT POSTS WITH ARCH
9 S5.0
TYP AT BAR SUPPORT POSTS
10 S5.2
4 EQ SPACES AT 4'-3" OC = 17'-0"
1' - 7 1/4"
1' - 7 3/8"
COORDINATE EXACT LOCATION OF WINE ROOM SOFFIT SUPPORT POSTS WITH ARCH
1 S5.0
2 S5.0
OH 2 S5.0
10 S5.0
4' - 0"
8' - 0"
EXISTING 12" CMU WALL WITH BRICK VENEER TO REMAIN
NEW 4" CONC SLAB AT HUMIDOR REINF WITH 6x6-W2.1xW2.1 WWF (IN SHEETS) AT MID-DEPTH; REF ARCH FOR EXACT SIZE AND LOCATION; PROVIDE (2) DOWELS AT DOOR LOCATION PER 5-S5.0; PROVIDE EXPANSION JOINT MATERIAL AROUND PERIMETER
INFILL EXISTING OPENING WITH NEW 12" CMU AND BRICK VENEER TO MATCH EXISTING; REINFORCE INFILL WITH (1) #5 VERT AT END CELLS AND 24" OC IN BETWEEN; PROVIDE #5 x 1'-4" DOWEL AT BOTTOM OF REINFORCED CELLS; DRILL AND EMBED 4" INTO EXISTING CMU WITH HILTI HIT-HY 270 ADHESIVE; REF 8-S5.0 FOR DETAIL AT EXISTING STEEL LINTEL ABOVE (FIELD VERIFY)
4 S5.0
EXISTING 8" CMU WALL WITH BRICK VENEER TO REMAIN
4'-4"
4' - 4"
8' - 10 7/8"
5' - 9 5/8"
4' - 3 1/2"
7' - 0"
7' - 0"
4' - 11 5/8"
18' - 6 1/2"
CL POST, TYP
4' - 10 1/2"
9' - 0 1/2"
7 1/4"
4' - 10 1/2"
6 S5.1
TYP AT POST
16' - 7 3/8"
3' - 4 1/8"
1 S5.0
2 S5.0
OH 2 S5.0
10 S5.0
SIM
27'-8"
COORDINATE EXACT LOCATION OF PARTIAL HEIGHT WALLS WITH ARCH
REF 6-S5.1 FOR SUPPORT OF TOP OF WALL AT FULL HEIGHT WALLS/COOLER SUPPORTED WALLS
NEW WALLS THAT DO NOT REQUIRE LATERAL STRUCTURAL SUPPORT
3 EQ SPACES = 16' - 1"
11 EQUAL SPACES = 71'-7"
1' - 1"
TYP
6 S5.1
TYP 15 PLACES
COORDINATE EXACT LOCATION OF DSW WALL WITH ARCH
ROT 2 S5.0
6 S5.3
2 S5.0 ROT, OH
SIM 3 S5.0
2 S5.0
3 S5.0 SIM
2 S5.0 ROT, OH
EXISTING STOOP TO BE REMOVED AND REPLACED
6 S5.3
8 S5.3
9 S5.3
7 S5.3
6 S5.3
5' - 4"
16' - 0"
SIM 2 S5.0
3 S5.0
2 S5.0 SIM OH
REMOVE EXISTING 12" CMU WALL TO 8" BELOW FF EL
EXISTING 12" CMU WALL TO REMAIN
3 S5.0
REMOVE EXISTING COLUMN; REF 6-S5.2 FOR EXISTING JOIST GIRDER SUPPORT ABOVE
NEW HSS4x4x1/4
11 S5.0
CL NEW COL
5' - 0"
CL REMOVED COL
2 S5.0
4' - 8"
CL NEW COL
11 S5.0
7'-4"
REMOVE EXISTING 12" CMU WALL TO 8" BELOW FF EL
NEW HSS4x4x1/4
3 S5.0
REF 1-S5.2 FOR EXISTING BEAM SUPPORT ABOVE
CL NEW COL
4' - 0"
10' - 1"
CL NEW COL
11 S5.0
NEW HSS6x6x3/8
NEW HSS6x3x1/4
EXISTING 10" CMU WALL TO REMAIN
12 S5.0
INFILL EXISTING OPENING WITH 8" CMU AND BRICK VENEER TO MATCH EXISTING; ALIGN OUTSIDE FACE OF NEW CMU WITH OUTSIDE FACE OF EXISTING CMU REINFORCE INFILL WITH (1) #5 VERT AT END CELLS AND 24" OC IN BETWEEN; PROVIDE #5 x 1'-4" DOWEL AT BOTTOM OF REINFORCED CELLS; DRILL AND EMBED 4" INTO EXISTING CMU WITH HILTI HIT-HY 270 ADHESIVE; REF 8-S5.0 FOR DETAIL AT EXISTING STEEL LINTEL ABOVE (FIELD VERIFY)
1 2 3 4 5 6 7 8 9 10 11
E D C B.1 B K J H G F

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

5/20/2021 2:45:23 PM

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
930 CENTRAL · KANSAS CITY, MO 64105
816-421-4200 · WWW.JBAENGR.COM
JBA PROJ #: 19315 - 35H

PROFESSIONAL SEAL
STATE OF MISSOURI
BART HALVERSON
NUMBER E-27439
REGISTERED PROFESSIONAL ENGINEER
05/20/21

LOCATION
LEE'S SUMMIT, MO

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

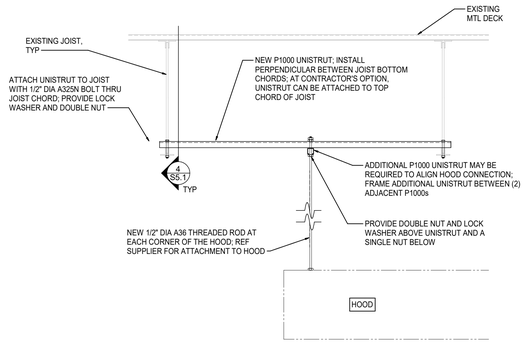
Hy-Vee® EMPLOYEE OWNED

NORTH

FOUNDATION PLAN

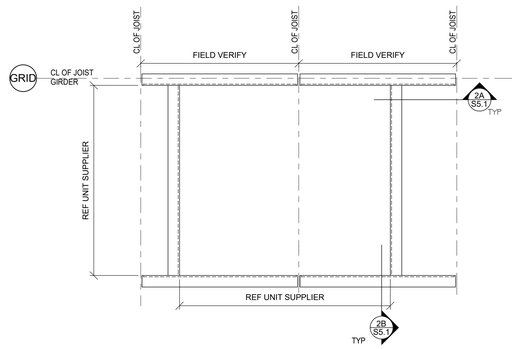
PROJECT MANAGER	CHECKED BY:
JSH	BJH
DRAWN BY:	DATE:
JBA	10/20/2020
SCALE:	JOB NUMBER:
3/32" = 1'-0"	20332

SHEET:
S1.0

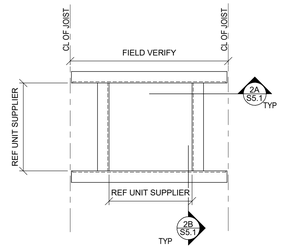


1 SUSPENDED HOOD SUPPORT

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



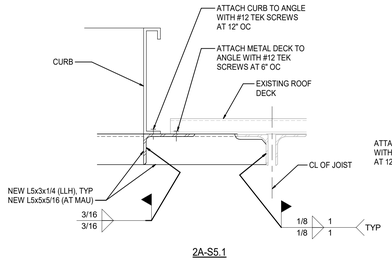
PLAN VIEW-RTU



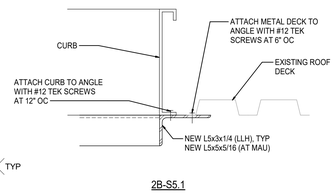
PLAN VIEW-EF

2 RTU/EXHAUST FAN SUPPORT FRAMING

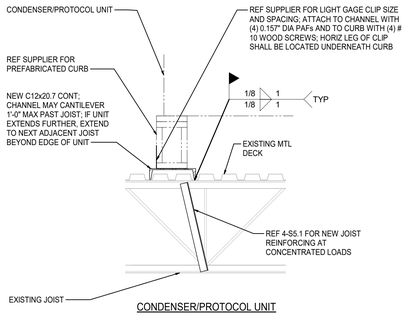
SCALE: NTS



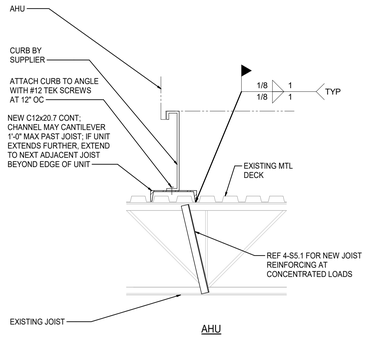
2A-S5.1



2B-S5.1



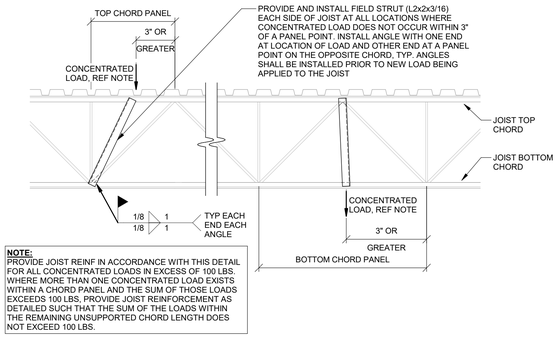
CONDENSER/PROTOCOL UNIT



AHU

3 CONDENSER/PROTOCOL UNIT/AHU SUPPORT FRAMING

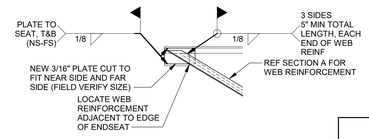
SCALE: 3/4" = 1'-0"



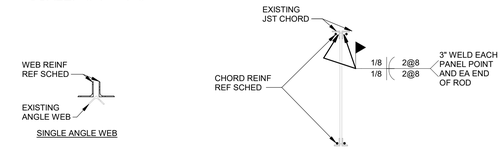
NOTE:
PROVIDE JOIST REINF IN ACCORDANCE WITH THIS DETAIL FOR ALL CONCENTRATED LOADS IN EXCESS OF 100 LBS. WHERE MORE THAN ONE CONCENTRATED LOAD EXISTS WITHIN A CHORD PANEL AND THE SUM OF THOSE LOADS EXCEEDS 100 LBS, PROVIDE JOIST REINFORCEMENT AS DETAILED SUCH THAT THE SUM OF THE LOADS WITHIN THE REMAINING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

4 JOIST REINFORCING AT CONCENTRATED LOAD

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



SECTION 5D - END WEB REINF

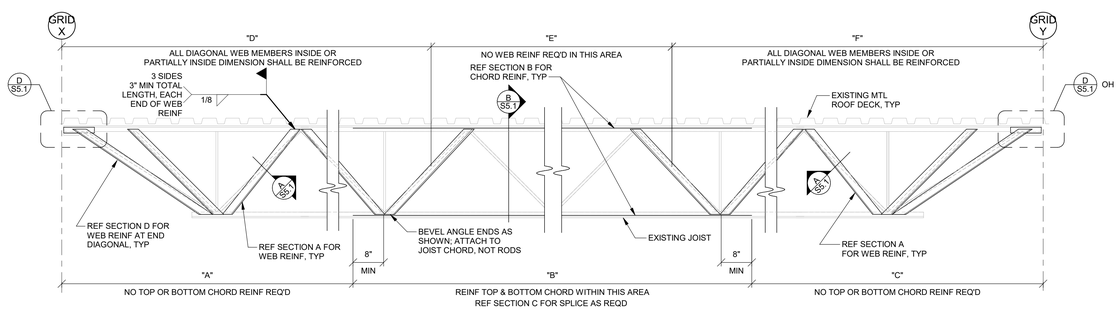


SINGLE ANGLE WEB

SECTION 5A - WEB REINF

SECTION 5B - CHORD REINF

SECTION 5C - CHORD REINF SPLICE



5 JOIST REINFORCEMENT

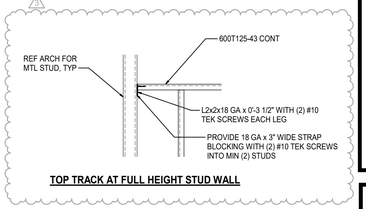
SCALE: 3/4" = 1'-0"

JOIST REINFORCEMENT NOTES

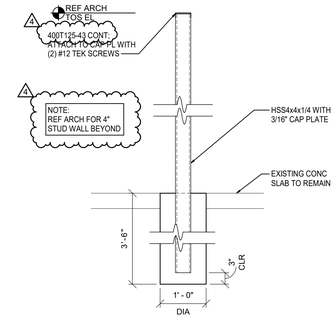
1. JOIST WEB CONFIGURATION IS SHOWN FOR REFERENCE ONLY, FIELD VERIFY ACTUAL CONFIGURATION AND WEB TYPE.
2. ALL PAINT AND DEBRIS SHALL BE CLEANED FROM JOIST BEFORE WELDING REINFORCEMENT.
3. STEEL ERECTOR SHALL FIELD CUT REINFORCING TO FIT FROM STOCK LENGTHS.
4. EXTEND TOP AND BOTTOM CHORD REINFORCING 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.

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"	18' - 6"	6' - 0"	14' - 6"	1' - 6"	14' - 6"	H	J	1,2,3,4,5,6,7



TOP TRACK AT FULL HEIGHT STUD WALL



DSW/PARTIAL HEIGHT WALL SUPPORT POST

6 3/4" = 1'-0"

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT FOR PERMIT, BIDDING

REVISION		BY
1	ASI #3	10/27/20 21/26/21
2	ASI #4	02/05/21
3	ASI #7	04/16/21
4	ASI #8	05/19/21

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
930 CENTRAL · KANSAS CITY, MO 64105
816-421-4200 · WWW.JBAENGR.COM
JBA PROJ #: 19315 - JSH

PROFESSIONAL SEAL

STATE OF MISSOURI
BART HALVERSON
NUMBER E-20439
ENGINEER
05/20/21

LOCATION
LEE'S SUMMIT, MO

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

NORTH

STRUCTURAL SECTIONS & DETAILS

PROJECT MANAGER	CHECKED BY:
JSH	Approver
DRAWN BY:	DATE:
Author	10/20/2020
SCALE:	JOB NUMBER:
As indicated	20332

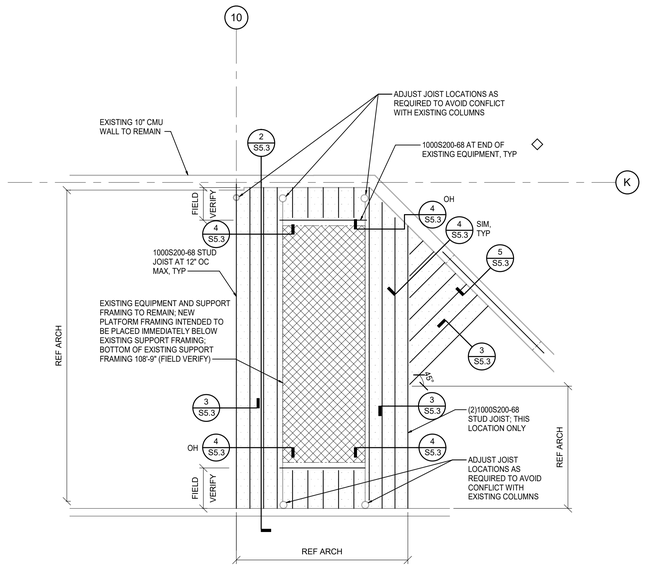
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S5.1

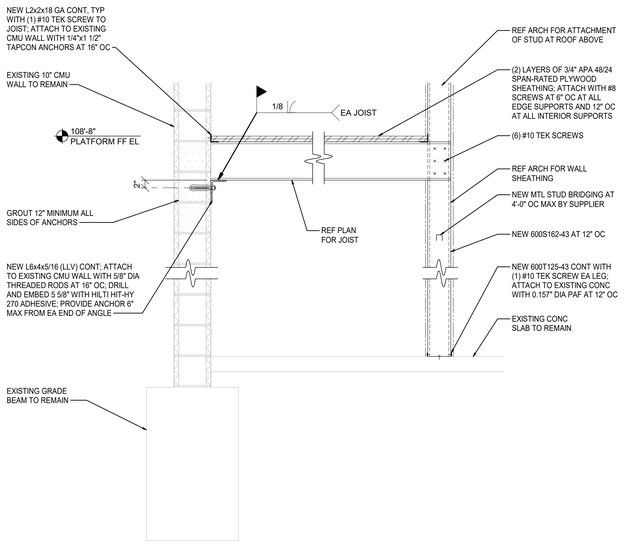
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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT FOR PERMIT, BIDDING

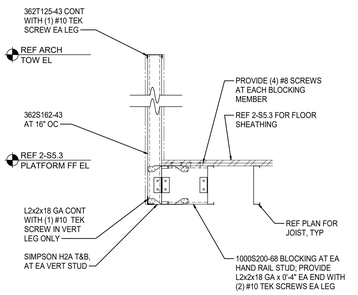
REVISION			BY
1	ASI #7	10/27/20	04/16/21
2	ASI #8		05/19/21



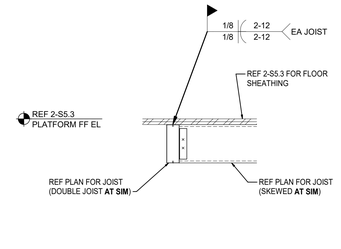
1 PLATFORM FRAMING PLAN
SCALE: 1/4" = 1'-0"



2 PLATFORM FRAMING
SCALE: 3/4" = 1'-0"

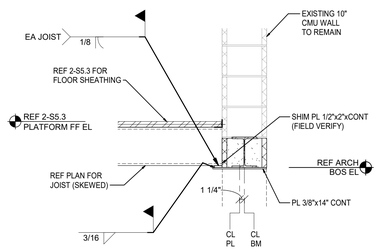


3 PLATFORM HAND RAIL
SCALE: 3/4" = 1'-0"

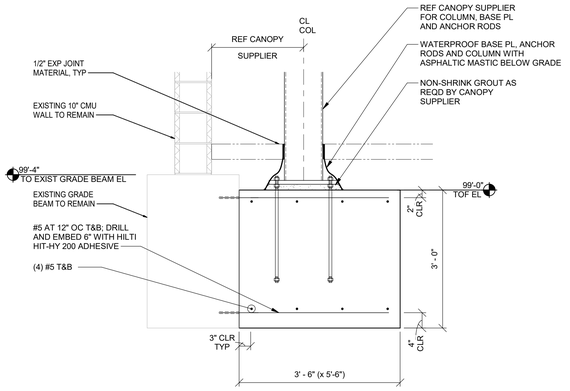


4 PLATFORM FRAMING
SCALE: 3/4" = 1'-0"

NOTE:
REF 1C-S5.0 AND 2-S5.3 FOR INFORMATION SHOWN BUT NOT NOTED.



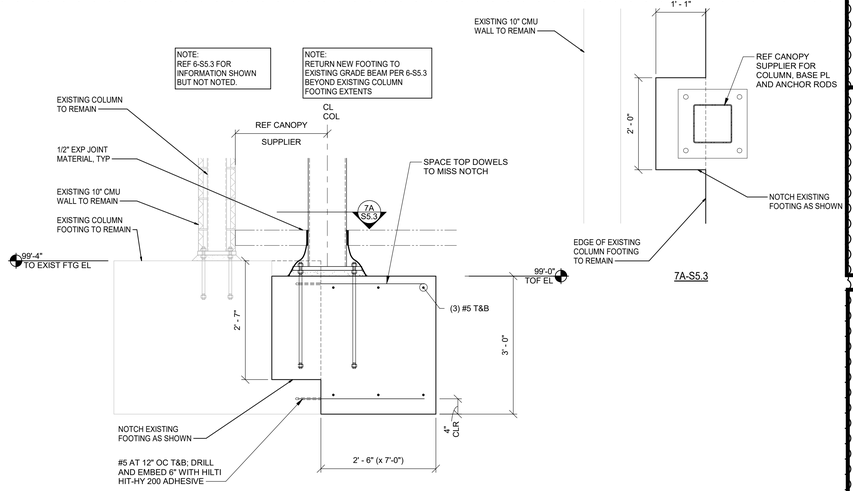
5 PLATFORM FRAMING
SCALE: 3/4" = 1'-0"



6 AOL CANOPY COLUMN FOOTING
SCALE: 3/4" = 1'-0"

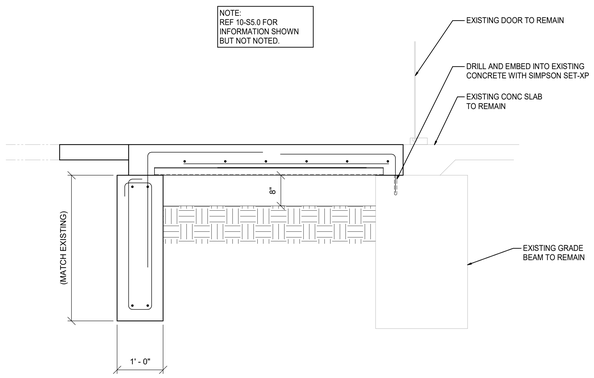
NOTE:
REF 6-S5.3 FOR INFORMATION SHOWN BUT NOT NOTED.

NOTE:
RETURN NEW FOOTING TO EXISTING GRADE BEAM PER 6-S5.3 BEYOND EXISTING COLUMN FOOTING EXTENTS



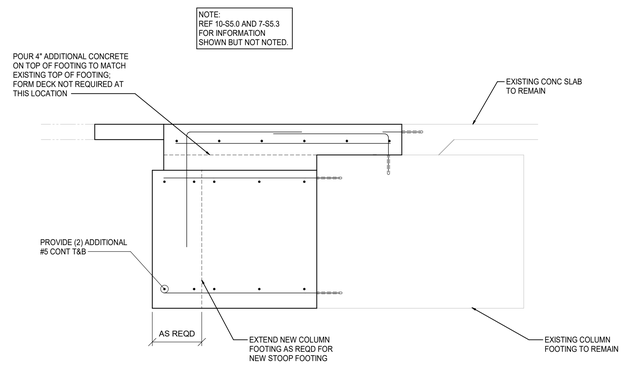
7 AOL CANOPY COLUMN FOOTING
SCALE: 3/4" = 1'-0"

NOTE:
REF 10-S5.0 FOR INFORMATION SHOWN BUT NOT NOTED.



8 FOUNDATION AT STOOP
SCALE: 3/4" = 1'-0"

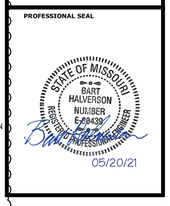
NOTE:
REF 10-S5.0 AND 7-S5.3 FOR INFORMATION SHOWN BUT NOT NOTED.



9 STOOP AT NEW FOOTING
SCALE: 3/4" = 1'-0"

JBA JOHNSTON BURKHOLDER ASSOCIATES
consulting structural engineers
930 CENTRAL · KANSAS CITY, MO 64105
816-421-4290 · WWW.JBAENGR.COM
JBA PROJ #: 19315 - JSH

PROFESSIONAL SEAL



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

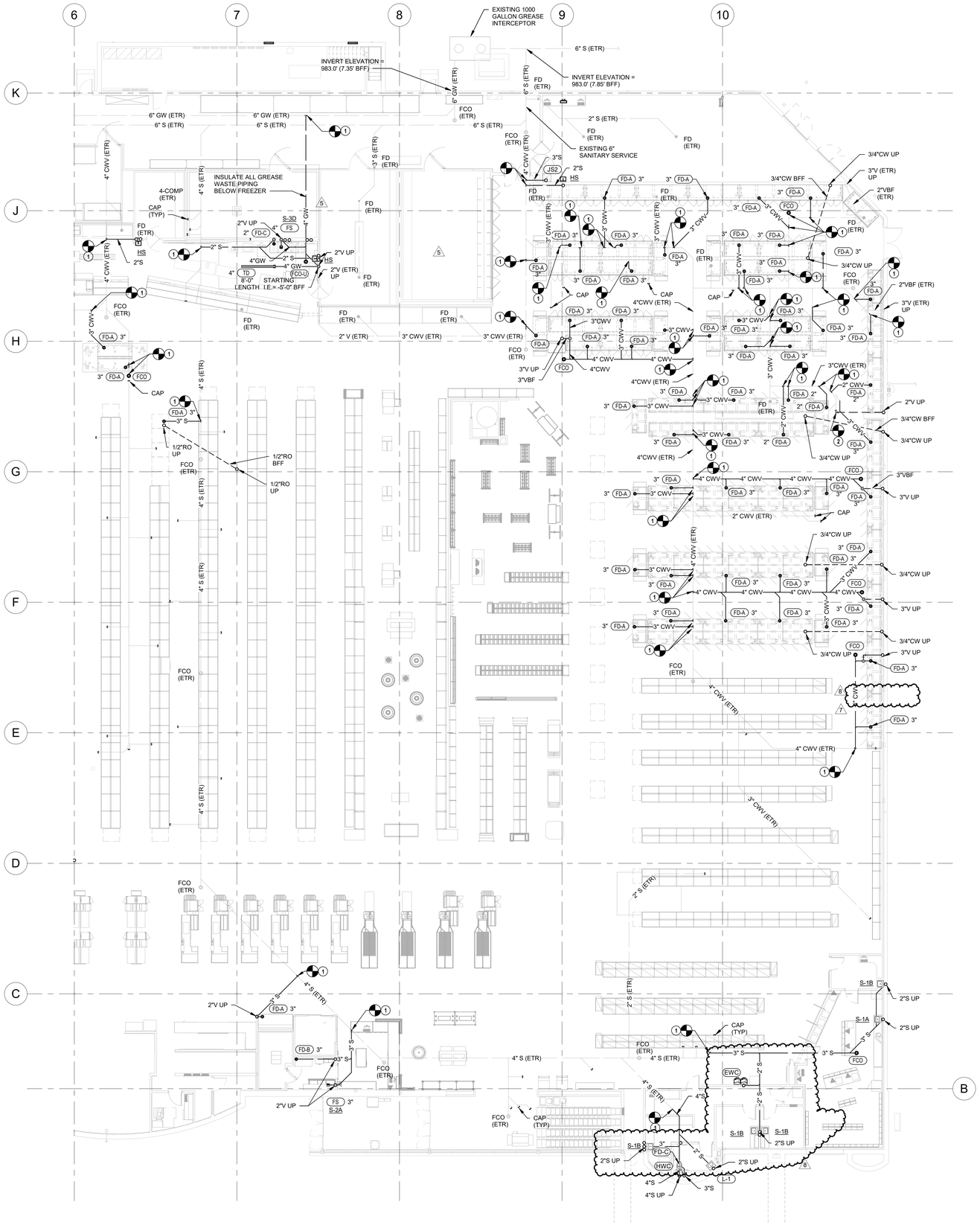
NORTH

STRUCTURAL SECTIONS & DETAILS

PROJECT MANAGER	CHECKED BY:
JSH	Approver
DRAWN BY:	DATE:
Author	10/20/2020
SCALE:	JOB NUMBER:
As indicated	20332

SHEET:
S5.3

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1 UNDERFLOOR PLUMBING 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.

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 CONNECT NEW VENT PIPING TO EXISTING VENT PIPING AS FIELD CONDITIONS REQUIRE. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO START OF WORK.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT TO PERMIT, SUBMIT, MODIFY

REVISION		BY
5	ASI #5	10/27/2021
7	ASI #7	04/16/21
8	ASI #8	05/20/21

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

JOSHUA N. HOVER 05/20/2021
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

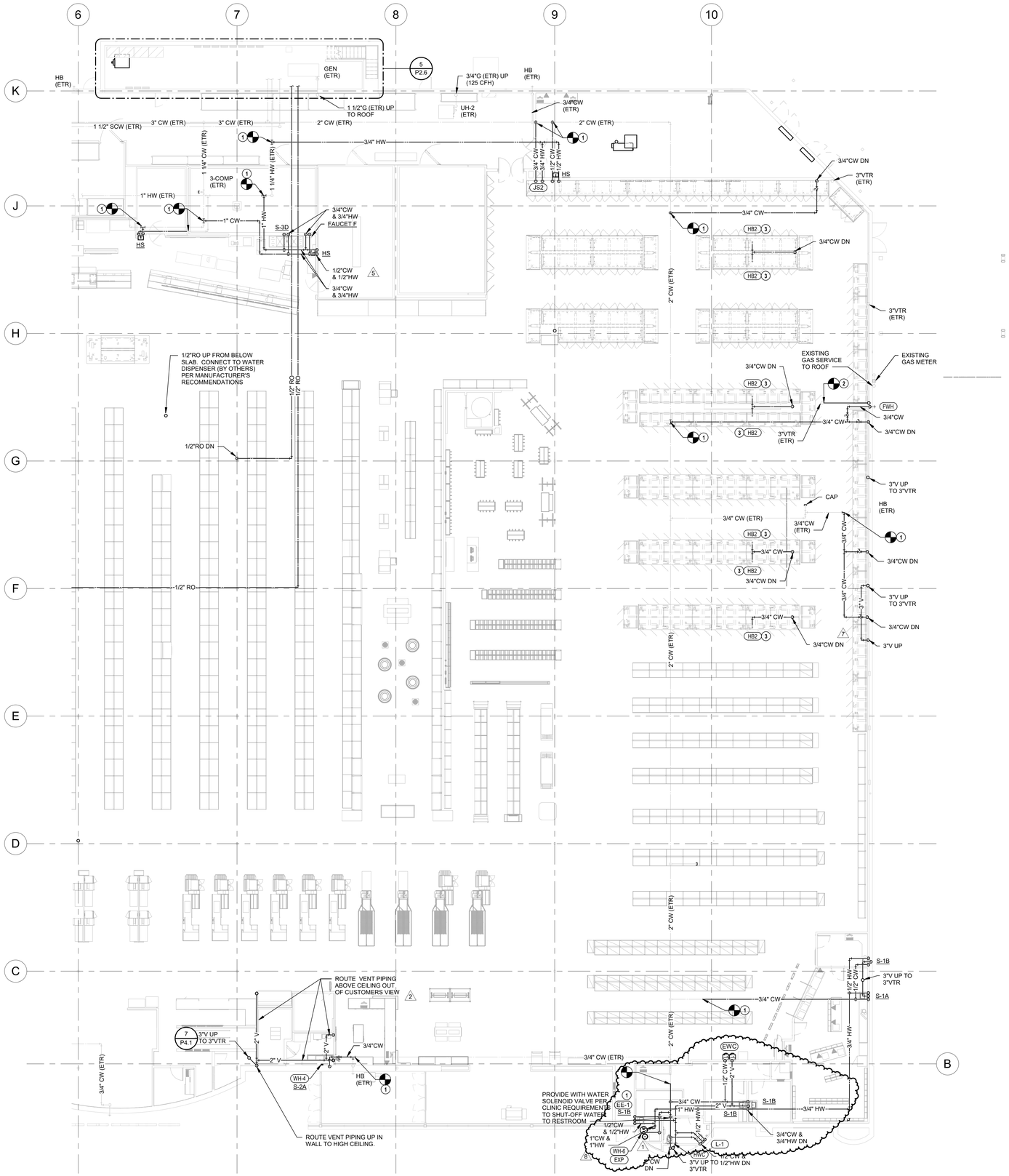
NORTH PLAN NORTH

UNDERFLOOR PLUMBING PLAN - B

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

SHEET:
P1.0B

JOSHUA N. HOVER
5/20/2021 1:16:04 PM



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.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT TO PERMIT, MEETS CODE
NO COMMENT, NO EXCEPTIONS

REVISION		BY
1	ASI #1	10/27/2020 11/13/20
2	ASI #2	01/07/21
5	ASI #5	03/19/21
7	ASI #7	04/16/21
8	ASI #8	05/20/21

HENDERSON ENGINEERS
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1950003081
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

PROFESSIONAL SEAL

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

JOSHUA N. HOVER 05/20/2021
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 - 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
5/20/2021 1:16:35 PM

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOTE: PERMIT SET
SUBMIT, MISSING

	REVISION	BY
2	ASI #2	10/27/2021
4	ASI #4	02/05/21
5	ASI #5	03/19/21
7	ASI #7	04/16/21
8	ASI #8	05/20/21

PANELBOARD: B (EXISTING)

FED FROM: MDP1 — LINE-SIDE LUGS: MECHANICAL
BUS AMPS: 225A — AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: LIGHTING
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELECTRICAL ROOM

	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 - AOL CANOPY**	480			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**		624		12	20	1	1	20	EX		1,200		ELEC ROOM LTG	28	EX	
R	29	**LTG - BAKERY 2**			882	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	2
R	35	**LTG - WINE RDOM FLR STRIPS**			160	12	20	1	1	20	12			180	**LTG - WINE ROOM DWNLTS**	36	N	
R	37	**LTG - AISLES ONLINE**	450			12	20	1	1	20	12	646			**LTG - DAIRY/FROZEN/HLTH TRK**	38	N	
R	39	**LTG - EXT. WALL PACKS**				12	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	3,504	2,031	2,143							7,290	7,854	6,380	SUBTOTAL			

TOTAL PHASE A - VA	10,794	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
AMPS	90	COOLING		1.00	REFRIG		1.00
TOTAL PHASE B - VA	9,885	HEATING		0	SIGN/DISP		1.25
AMPS	82	LIGHTING	15,002	1.25	KITCHEN		1.00
TOTAL PHASE C - VA	8,523	RECEPTACLES		1.0/.5	EXISTING	15,400	1.00
AMPS	71	MOTORS		1.00	LRG MOTOR		1.25
TOTAL PNLBD - VA	29,202	SUPP HEAT		1.00	SHOW WNDW		1.25
AMPS	81	MISC EQUIP		1.00	LTG TRACK		1.00

TOTAL DEMAND
34,153 VA
95 A

PANELBOARD NOTES

PANELBOARD: CL (NEW)

FED FROM: KP — LINE-SIDE LUGS: MECHANICAL
BUS AMPS: 100A — AIC RATING: FCA +10% MINIMUM FULLY RATED — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: CLINIC
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: RECESSED
SECTION: 1 — LOCATION: CLINIC STORAGE

	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**	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										1,620	SUBTOTAL		

TOTAL PHASE A - VA	2,170	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
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 PNLBD - VA	6,750	SUPP HEAT		1.00	SHOW WNDW		1.25
AMPS	19	MISC EQUIP	30	1.00	LTG TRACK		1.00

TOTAL DEMAND
6,750 VA
19 A

PANELBOARD NOTES

PANELBOARD: D (EXISTING)

FED FROM: MDP1
BUS AMPS: 225A — AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: LIGHTING
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELECTRICAL ROOM

	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	SUBTOTAL			

TOTAL PHASE A - VA	15,000	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
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 PNLBD - VA	45,400	SUPP HEAT		1.00	SHOW WNDW		1.25
AMPS	126	MISC EQUIP		1.00	LTG TRACK		1.00

TOTAL DEMAND
48,100 VA
134 A

PANELBOARD NOTES

PANELBOARD: E (EXISTING)

FED FROM: MDP1
BUS AMPS: 225A — AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: KITCHEN/DELI
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: RECESSED
SECTION: 1 — LOCATION: DRY STORAGE

	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	*EX*	1,400			**KITCHEN HEAT RAIL**	**14**	R	7
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			

TOTAL PHASE A - VA	27,342	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
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 PNLBD - VA	64,825	SUPP HEAT		1.00	SHOW WNDW		1.25
AMPS	180	MISC EQUIP		1.00	LTG TRACK		1.00

TOTAL DEMAND
52,695 VA
146 A

PANELBOARD NOTES

PANELBOARD: F (EXISTING)

FED FROM: MDP1
BUS AMPS: 225A — AIC RATING: 10000 FULLY RATED — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: DELI
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: RECESSED
SECTION: 1 — LOCATION: DRY STORAGE

	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	2
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	7
N	11	**BAKERY TABLE MICROWAVE**			1,000	12	20	1	*1*	*20*	*EX*			*500*	*EXISTING LOAD*	**12**	EX	
	13	EQUIPPED SPACE						1	*1*	*20*	12	500			**BAKERY SCALES 1**	**14**	R	7
EX	15	*DONUT HOOD*		*500*		*EX*	*20*	*1*	*1*	20	12		1,200		**BAKERY TABLE COMP/PRINTER**	**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	20		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	
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			700	**BAKERY SHEETER**	**42**	R	
		SUBTOTAL	16,108	15,408	15,892							4,921	5,481	5,181	SUBTOTAL			

TOTAL PHASE A - VA	21,029	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
AMPS	175	COOLING		1.00	REFRIG		1.00
TOTAL PHASE B - VA	20,889	HEATING		0	SIGN/DISP		1.25
AMPS	174	LIGHTING		1.25	KITCHEN	28,675	0.65
TOTAL PHASE C - VA	21,073	RECEPTACLES	1,420	1.0/.5	EXISTING	32,880	1.00
AMPS	176	MOTORS	516	1.00	LRG MOTOR		1.25
TOTAL PNLBD - VA	62,991	SUPP HEAT		1.00	SHOW WNDW		1.25
AMPS	175	MISC EQUIP		1.00	LTG TRACK		1.00

TOTAL DEMAND
53,455 VA
148 A

PANELBOARD NOTES

PANELBOARD: G (EXISTING)

FED FROM: MDP1
BUS AMPS: 225A — AIC RATING: 10000 FULLY RATED — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: MEAT & SEAFOOD POWER
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELECTRICAL ROOM

	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			5	**MEAT/SF SCALE**	**2**	R
EX	3	*MD MEAT RCPT*		*500*		*EX*	*20*	*1*	*1*	20	12			540		**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	7
N	19	**AC-2 A**	3,875			6	50	2	1	20	12	456			**SALES FLOOR COOLER 6**	**20**	R	
	21	**AISLES ONLINE**		3,875					1	20	12		180		**DELI CHEESE SCREEN**	**22**	R	
N	23	**AC-2 B**			3,600	6	45	2	1	20	12			360	**DELI CHEESE CONV RCPTS**	**24**	R	
	25	**AISLES ONLINE**	3,600						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	10,283	6,571	7,705							2,552	3,152	3,337	SUBTOTAL			

TOTAL PHASE A - VA	12,835	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
AMPS	107	COOLING		1.00	REFRIG		1.00
TOTAL PHASE B - VA	9,723	HEATING		0	SIGN/DISP		1.25
AMPS	81	LIGHTING	1,700	1.25	KITCHEN	2,170	0.70
TOTAL PHASE C - VA	11,042	RECEPTACLES	7,332	1.0/.5	EXISTING	6,500	1.00
AMPS	92	MOTORS	15,718	1.00	LRG MOTOR		1.25
TOTAL PNLBD - VA	33,600	SUPP HEAT		1.00	SHOW WNDW		1.25
AMPS	93	MISC EQUIP	180	1.00	LTG TRACK		1.00

TOTAL DEMAND
33,374 VA
93 A

PANELBOARD NOTES

PANELBOARD: H (EXISTING)

FED FROM: MDP1
BUS AMPS: 225A — AIC RATING: 10000 FULLY RATED — EQUIPMENT GROUND BUS
MAIN SIZE/TYPE: MLO — SERVES: MEAT & SEAFOOD POWER
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELECTRICAL ROOM

	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	4
EX	3	*MEAT SAW*		*1,921*		*EX*	*20*	*1*	*1*	*20*	*EX*		*500*		*CORD DROP*	**4**	EX	5
	5				*1,921*				1	20					**SPARE**	**6**	V	
	7			*4,803*					1	20					**SPARE**	**8**	V	
EX	9	*TRASH COMPACTOR*			*4,803*	*EX*	*50*	*3*	*1*	20					**SPARE**	**10**	V	
	11				*4,803*				1	20	12			360	**SERVICE MEAT RCPT**	**12**	R	
R	13	**UH-4 (ELEC ROOM)**	500			12	20	1	1	20	12	500			**MEAT WRAPPER**	**14**	R	
V	15	SPARE					20	1	1	20	12		500		**MEAT TENDERIZER**	**16**	R	
EX	17	*EXISTING LOAD*			*500*	*EX*	*20*	*1*	*1*	20	12			540	**MEAT SCALES**	**18**	R	
	19		367						*1*	*20*	*EX*	*500*			*PNL Q CONTACTOR*	**20**	EX	
N	21	**BAKERY VARIA PRO SLICER**		367		12	20	3

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT TO PERMIT SUBMIT, MISSING

REVISION		BY
2	ASI #2 10/27/2020	01/07/21
4	ASI #4	02/05/21
7	ASI #7	04/16/21
8	ASI #8	05/20/21

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	R
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	N
	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	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	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	1.00	
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		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

4

PANELBOARD: AA2 (NEW)

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	1	20						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

7

PANELBOARD: AB (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: 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
7 EX	19	*LTS ABOVE RACK*	500			EX	20	1	1	20	EX	500			*WEST WALL DAIRY CASES*	20	EX
R	21	**COOLER DR A/S HTRS 1**		500		12	20	1	1	20	EX		500		*DAIRY CEILING FANS*	22	EX
R	23	**COOLER DR LTS 1**			500	12	20	1	1	20					SPARE	24	V
7 EX	25	*CULLIGAN H20 DISP.*	500			EX	20	1	1	20	EX	500			*PANEL RCPT*	26	EX 7
R	27	**COOLER DR A/S HTRS 2**		500		12	20	1	2	50	6		3,875		**AC-1 A**	28	N
R	29	**COOLER DR LTS 2**			500	12	20	1						3,875	**AISLES ONLINE**	30	
	31		4,804						1	20	12	3,600			**AC-1 B**	32	N
EX	33	*EXISTING LOAD*		4,804		EX	50	3					3,600		**AISLES ONLINE**	34	
	35				4,804				2	60	6			5,408	**FCU-1 A**	36	N
	37	EQUIPPED SPACE							1	1		5,408			**FCU-1 B**	38	
N	39	**CU-1**		2,912		6	45	2	2	45	6		4,472		**AISLES ONLINE**	40	N
	41	**AISLES ONLINE**			2,912									4,472		42	
		SUBTOTAL	7,304	10,216	10,216							12,908	14,647	15,955	SUBTOTAL		

TOTAL PHASE A - VA	20,212	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	168	COOLING		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	24,863	HEATING		0	SIGN/DISP		1.25	
AMPS	207	LIGHTING		1.25	KITCHEN		1.00	
TOTAL PHASE C - VA	26,171	RECEPTACLES		1.0/.5	EXISTING	28,712	1.00	
AMPS	218	MOTORS	40,534	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	71,246	SUPP HEAT		1.00	SHOW WNDW		1.25	71,246 VA
AMPS	198	MISC EQUIP	2,000	1.00	LTG TRACK		1.00	198 A

PANELBOARD NOTES

2

PANELBOARD: BB (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 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 7
R	21	**DSW/JF CHECKOUT RCPTS**		360		12	20	1	1	20	12		1,200		**E VESTIBULE CART STERILIZER**	22	R
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
2	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
8	33	EQUIPPED SPACE							2	50	EX		4,160		*EXISTING LOAD*	34	EX
R	35	**LTG - FLORAL TRACK**		316		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	5,320							2,000	6,360	5,160	SUBTOTAL		

TOTAL PHASE A - VA	8,522	LOAD	CONN. VA	DF	L

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT TO PERMIT SET 5.20.21
SUBMIT, MISSING

REVISION		BY
2	ASI #2	01/07/21
4	ASI #4	02/05/21
5	ASI #5	03/19/21
7	ASI #7	04/16/21
8	ASI #8	05/20/21

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. PROVIDE RECEPTACLE AND JUNCTION BOX MOUNTED BELOW SHELVING AND CONNECT TO POWER POLE VIA CONCEALED FLEXIBLE METAL CONDUIT. COORDINATE REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
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. 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.
6. 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.
7. 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.
8. EXTEND 1" CONDUIT UNDERFLOOR FROM WALL TO DIGITAL SHOE WALL WITH THREE 120V CIRCUITS FOR MONITORS.
9. 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.
10. PROVIDE INTERLOCK OF INDOOR UNIT WITH OUTDOOR UNIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. COORDINATE REQUIREMENTS WITH OTHER TRADES PRIOR TO ROUGH-IN.
11. PROVIDE TWIST-LOCK RECEPTACLE IN VESTIBULE CEILING AND EXTEND A FLEXIBLE CORD WITH CORD STRAIN RELIEF ON EACH END DOWN TO 7'-0" AFF. CART STERILIZER SHALL PLUG INTO END OF FLEXIBLE CORD.
12. PROVIDE WEATHERPROOF JUNCTION BOX, WEATHERPROOF LOCKABLE DISCONNECT SWITCH, AND 120V CIRCUIT AT DIRECTED LOCATION BY SIGN SUPPLIER FOR CONNECTION TO STOREFRONT SIGNAGE. VERIFY ELECTRICAL REQUIREMENTS WITH SIGN SUPPLIER PRIOR TO ROUGH-IN AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY. PROVIDE CONDUIT THROUGH WALL AS NEEDED FOR CONNECTION(S) TO SIGN.

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

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
VINCENT G. MASILIONIS
NUMBER PE-2008008670
PROFESSIONAL ENGINEER

05/20/2021

VINCENT G. MASILIONIS
LICENSE # PE-2008008670

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

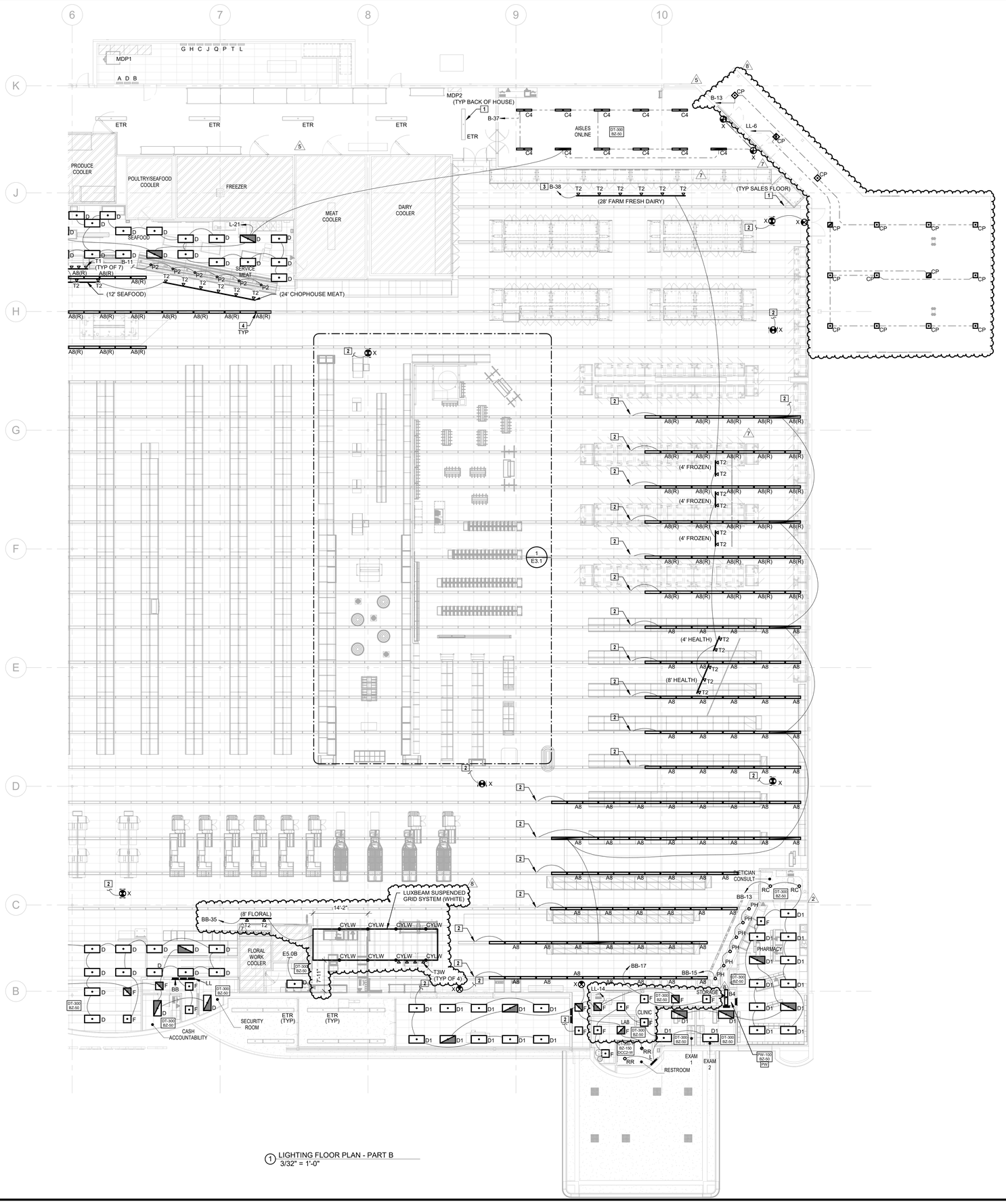
NORTH PLAN NORTH

ELECTRICAL 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

VINCENT G. MASILIONIS
5/20/2021 1:13:13 PM



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

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

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT TO BE USED FOR PERMIT, BIDDING OR CONSTRUCTION

REVISION

			BY
2	ASI #2	10/27/2021	01/07/21
5	ASI #5		03/19/21
7	ASI #7		04/16/21
8	ASI #8		05/20/21

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EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI
VINCENT G. MASILIONIS
NUMBER PE-2008008670
PROFESSIONAL ENGINEER

05/20/2021
VINCENT G. MASILIONIS
LICENSE # PE-2008008670

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
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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

VINCENT G. MASILIONIS
5/20/2021 11:14:54 PM

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
RC4	RC	RECESSED CAN	L6R20ANZ10UVAL6R20840VAL4RDD	OVERHEAD	120v	SR1200ZTUNV	PHILIPS
D1V D2A D3V 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 CL8130WM/D2-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-BUS	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	GSDBLED	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 TKA232-UNV-120-2/2-EBO(8232PUNVDFHAODC)-P218-WH-FA	146-27		120	SALES LIGHTING	OPEN CEILING E4HKK HANGERS, 789276001 TKA END CAPS
B4	4' SALES LIGHTING FIXTURE	GSD4	PHILIPS IKA232-UNV-120-1/2-EBO(8232PUNVDFHAODC)-P214-WH-FA	70-14		120	SALES LIGHTING	OPEN CEILING E4HKK HANGERS, 789276001 TKA END CAPS
C4	1X4 BACKROOM UTILITY FIXTURE	PG4	PHILIPS IS232-120-1/2-EB-8232IUNVHP-N	58	64	120	BACKROOMS	
CP	LED CANOPY LUMINAIRE		LSI CRUS-SC-LED-SLW-30-UE-WHT	38	40	120	AOL CANOPY	VERIFY ACCESSORIES AND FINISH
CYLW	CYLINDER		CONTECH CYL8330WM/DTFCMCLR-P	21	23	120	FLORAL	VERIFY MOUNTING HEIGHT
D1	2X4 LED FIXTURE	LED LED EMT	PHILIPS 2FGD42B-840-4-D-UNV-DIM PHILIPS 2FGD42B-840-4-D-UNV-DIM/EMA24	44 44	48 48	120 120	SEE PLAN SEE PLAN	LED FIXTURE (entry cart storage) LED FIXTURE
EM	WALL MOUNTED EMERGENCY LIGHT	EMH	SIGNIFY VLLU2	4	4	120	WINE AND SPIRITS	EMERGENCY BUGEYE
F	2X2 LED FIXTURE	LED22 UPK2	PHILIPS 2FGG38B-840-2-D-UNV-DIM	54	60	120	SEE PLAN	LED FIXTURE AREAS NOT VISIBLE TO CUSTOMER
D	2X4 LED FIXTURE - FLAT PANEL		PHILIPS 2 FPZ 42B 840 4 DS UNV DIM	38	42	120	SEE PLAN	LED FIXTURE - BACK OF HOUSE.
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-D-4-24	47	52	120	COOLERS FREEZERS	LED FIXTURE SEE DRAWING E5.0
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	MCPHILBEN DBBJ VERWEM	3.4	3.4	120	ALL AREAS	
RC	RECESSED CAN LIGHTING FIXTURE	LEDC	PHILIPS L6R20ANZ10UVAL6R20840VAL6RDD	22	24	120	DEPARTMENTS	LED FIXTURE
RR	RESTROOM RECESSED CAN FIXTURE	RR	PHILIPS L6R20ANZ10UVAL6R20840VAL6RDD	22	24	120	MOTHER'S ROOM/ RESTROOMS	LED FIXTURE
PH	PHARMACY RECESSED CAN FIXTURE	LEDC	PHILIPS L4R10ANZ10UVAL4R10840VAL4RDD	22	24	120	PHARMACY	LED FIXTURE
P2	PENDANT LIGHT FIXTURE AT MEAT CASES	P	DAYBRITE VP11GC, RAB C100 J-BOX COVER LG7003GD-GD-326-2200K-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 700TDPSFGXVWW-LED830 LA17 TRACK CONNECTOR	150	160	120	DSW & JOE FRESH CHECKOUT	SEE PLAN FOR TRACK LENGTHS
HL RED HEAT LAMPS	HEAT LAMPS (ABOVE ASIAN CASE)		HATCO DL-700 (RADIANT RED)	250	275	120	ASIAN CASE	120 VOLT. MOUNT OVER CASE
T1	BAKERY CAKE WALL / SEAFOOD TRACK LIGHTING LED	THILW	CONTECH CTL8063VM30-S LT-4-S LT-8-S LA-10-S LA-2-S	21	23	120	SEAFOOD	LED SEE PLAN FOR TRACK LENGTHS
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 CTL8063VM30-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
T4	CANDY/CARDS LED		SPUTNICK CUSTOM STEM FIXTURE CONTECH LA-117 CONNECTOR	60	60	120	DEPARTMENT	LED
WP	EXTERIOR WALL PAK FIXTURE LED	W	SIGNIFY LPW32-78WZ	71	74	120	EXTERIOR	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

4 GANG COVERPLATE

1	2	3	4
DIMMER 120V BAR RECESSED (CKT: S-6)	DIMMER 120V EMER. LTG (CKT: L-25)	DIMMER 120V OVERHEAD RECESSED (CKT: S-8)	DIMMER 120V BACK BAR DISPLAY (CKT: S-10)

5 GANG COVERPLATE

5	6	7	8	9
DIMMER 120V BAR FLOODS (8 HEADS) (CKT: S-12)	DIMMER 120V BAR TRELLIS (CKT: S-20)	DIMMER 120V DRUM LIGHTS (CKT: U-34)	DIMMER 120V TRACK PENDANTS (CKT: U-36)	DIMMER 120V CYLINDER LIGHTS (CKT: U-38)

2 / E3.1 'MARKET GRILLE' LIGHTING SWITCH LAYOUT

SCALE: NONE

PROVIDE A PERMANENT PLASTIC PLAQUE LABEL FOR EACH SWITCH DESCRIBING ITS USE AND CIRCUIT NUMBER

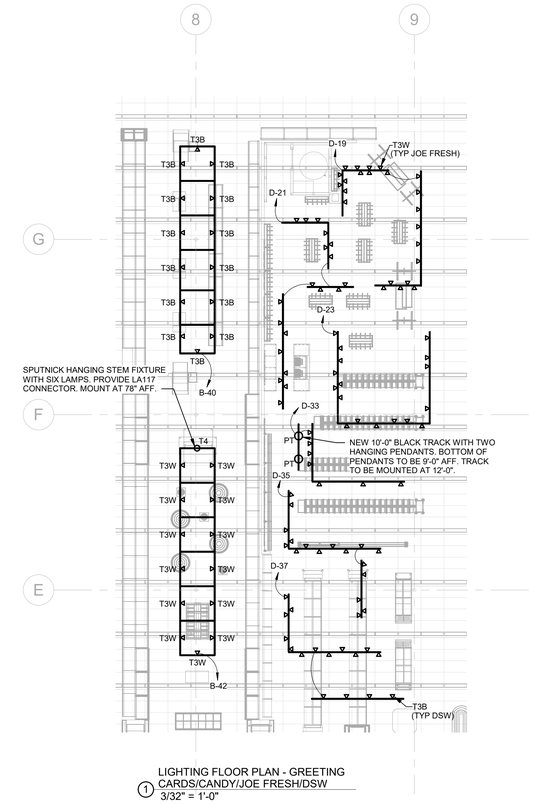
PROVIDE DEEP BOXES FOR DIMMER SWITCHES

3 GANG COVERPLATE

1	2	3
DIMMER 120V HUMIDOR (CKT:B-21)	ELV DIMMER 120V WINE RM UPLTS (CKT: B-35)	0-10V DIMMER 120V WINE RM DWNLTS (CKT: B-36)

3 / E3.1 'WINE & SPIRITS' LIGHTING SWITCH LAYOUT

SCALE: NONE



1 LIGHTING FLOOR PLAN - GREETING CARDS/CANDY/JOE FRESH/DSW

3/32" = 1'-0"

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
NOT TO PERMIT, MEET OR EXCEED SUBMIT, MEET OR EXCEED

REVISION		BY
2	ASI #2	10/27/2020
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		05/20/21

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EXPIRES 12/31/2021

PROFESSIONAL SEAL

STATE OF MISSOURI — VINCENT G. MASILIONIS — NUMBER PE-2008008670 — PROFESSIONAL ENGINEER

05/20/2021

VINCENT G. MASILIONIS
LICENSE # PE-2008008670

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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

5/20/2021 1:15:24 PM

VINCENT G. MASILIONIS