### **GENERAL NOTES**

- 1. THE INTENT OF THESE DRAWINGS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. WORDS AND ABBREVIATIONS WHICH HAVE WELL-KNOWN TECHNICAL OR TRADE MEANING ARE USED IN THESE DRAWINGS IN ACCORDANCE WITH SUCH RECOGNIZED MEANINGS.
- SHOULD EITHER THE DRAWINGS OR ANY PARTICULAR SPECIFICATION, AND THE GENERAL CONDITIONS CONTRADICT EACH OTHER IN ANY POINT, OR REQUIRE CLARIFICATIONS, THE CONTRACTOR MUST CALL THE SAME TO THE ATTENTION OF THE PROJECT ENGINEER AND HIS DECISION SHALL BE OBTAINED PRIOR TO THE SUBMISSION OF BIDS. OTHERWISE THE ENGINEER'S INTERPRETATION WILL GOVERN THE PERFORMANCE OF THE WORK AND NO ALLOWANCE SHALL BE MADE IN BEHALF OF THE SUBCONTRACTOR FOR ERROR OR NEGLIGENCE ON HIS PART IN THE CONNECTION.
- PROSPECTIVE SUBCONTRACTOR SHALL SECURE ALL DATA AT THE SITE OF THE PROPOSED CONSTRUCTION, SUCH AS GRADES OF LOT, CONVENIENCE OF RECEIVING AND SORTING MATERIALS, LOCATION OF PUBLIC SERVICES AND OTHER INFORMATION WHICH WILL HAVE A BEARING ON MAKING THEIR PROPOSALS OR ON THE EXECUTION OF THE WORK IF AWARDED THE CONTRACT, AND NO ALLOWANCE WILL BE MADE FOR THE FAILURE OF THE CONTRACTOR TO OBTAIN SUCH ON-SITE
- SHOULD ANY ERROR OR INCONSISTENCY APPEAR IN THE DRAWINGS, THE CONTRACTOR, BEFORE PROCEEDING WITH WORK, MUST CLEARLY BRING THE SAME TO THE ATTENTION OF THE PROJECT ENGINEER FOR PROPER ADJUSTMENT, AND IN NO CASE PROCEED WITH THE WORK IN UNCERTAINTY NOR WITH INSUFFICIENT DRAWINGS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT AND IN THE PROPOSED CONSTRUCTION BUILDING OR SITE OR SURROUNDINGS PRIOR TO START OF CONSTRUCTION. NO CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE DRAWING. ANY SUCH DISCREPANCY IN DIMENSIONS WHICH MAY BE FOUND, SHALL BE SUBMITTED TO ENGINEER FOR HIS CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREA.
- CONTRACTORS SHALL FOLLOW SIZES IN SPECIFICATIONS OR FIGURES ON DRAWINGS IN PREFERENCE TO SCALE MEASUREMENTS, AND FOLLOW DETAILS DRAWINGS IN PREFERENCE TO GENERAL DRAWINGS, AND FOLLOW ACTUAL
- WHERE IT IS OBVIOUS THAT A DRAWING ILLUSTRATES ONLY PART OF A GIVEN WORK OF A NUMBER OF ITEMS, THE REMAINDER SHALL BE DEEMED REPETITIOUS AND SO CONSTRUCTED.
- 8. THE DOCUMENTS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED SUBJECT TO REVIEW BY
- 9. NOTHING CONTAINED HEREON SHALL BE CONSTRUED TO VIOLATE ANY APPLICABLE REGULATIONS.
- 10. ANY SUBSTITUTION OF MATERIALS OR PRODUCTS SPECIFIED IN DRAWINGS SHALL BE APPROVED BY THE PROJECT ENGINEER / ARCHITECT.
- 11. BY EXECUTING THE CONTRACT, THE SUBCONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND HAS READ ALL CONTRACT DRAWINGS INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE WORK.
- 12. THESE DRAWINGS HAVE BEEN PREPARED USING INFORMATION PROVIDED BY OTHERS, ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY OF INFORMATION PROVIDED, OR THE RESULTING ERRORS OR OMISSIONS ON THE DRAWINGS WHICH ARE INCIDENTAL TO THE INCORRECT INFORMATION PROVIDED.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE CONSTRUCTION PROCEDURES AT THE SITE AT ALL TIMES.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING SHOWN ON THE DRAWINGS OR IMPLICITLY REQUIRED DURING CONSTRUCTION (TEMPORARY OR OTHERWISE) SAFETY SHALL BE MAINTAINED AT ALL TIMES (ON AND OFF
- 15. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING, FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.
- 16. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR, AND DOES NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR, AND DOES NOT HAVE CONTROL OR CHARGE OVER ACTS OR OMISSIONS OF, THE CONTRACTOR, SUBCONTRACTORS, OR ANY OF THEIR AGENTS OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE
- 17. STRUCTURAL OBSERVATION BY THE ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY FOR BUILDING THE PROJECT, CONTROLLING THE PROGRESS PROVIDING SAFE WORKING CONDITIONS, AND INSPECTION OF THE WORK. RESPONSIBILITY FOR RESOLUTION OF ANY ITEMS NOTED DURING OBSERVATION AS NOT BEING IN
- 18. ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF O.S.H.A. AND ANY OTHER GOVERNMENTAL AGENCY HAVING JURISDICTION IN THE AREA OF WORK.
- 19. OPENINGS, POCKETS, ETC., SHALL NOT BE PLACED IN SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN
- 20. FRAME OPENINGS AND SUPPORT MISCELLANEOUS EQUIPMENT AS DETAILED ON THE DRAWINGS. WHERE NO DETAILS ARE PROVIDED, OBTAIN APPROVAL FROM THE ENGINEER BEFORE PROCEEDING WITH WORK.
- 21. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOOR OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FLOOR. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE SUCH LOADS WOULD
- 22. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

## PROJECT SCOPE

REFRIGERATION EXPANSION PROJECT INCLUDING ADDITION OF │ \ 697 \$.F}TO (E) COMPRESSOR ROOM w/ NEW EQUIPMENT HOUSED WITHIN THE COMPRESSOR ROOM, PROJECT CONSISTS OF EQUIPMENT SPACE FREQUENTED ONLY BY SERVICE/MAINTENANCE PERSONNEL AND AS SUCH IS EXEMPT FROM THE ACCESSIBILITY REQUIREMENTS OF IBC CHAPTER 11 PER IBC 1103.2.9. NO INCREASE TO HARDSCAPE AREA WILL OCCUR DUE TO THE ADDITION OF THE

1. A SEPARATE PERMIT & APPROVAL IS REQUIRED FOR THE FIRE SPRINKLER SYSTEM & UNDERGROUND

COORDINATE POINT OF CONNECTION.

FIRE SPRINKLERS

2. FIRE SPRINKLER SPECIFICATIONS: AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED

3. FIRE EXTINGUISHERS TO BE LOCATED WITHIN 75' OF EXITS & 300 SQUARE FEET IN GENERAL USE AREAS.

ON THIS PROJECT. THE SYSTEM SHALL COMPLY WITH NFPA PAMPHLET #13 AND CBC SECTION 903.2.3 #1. SHOP

DRAWINGS SHALL BE PROVIDED TO THE GOVERNING FIRE AGENCY FOR APPROVAL. THE CONTRACTOR SHALL

## PROJECT SCOPE

G0.0 / NONE

PROJECT DATA:

**GOVERNING CODES:** 2018 WISCONSIN COMMERCIAL BUILDING CODE USING THE 2015 INTERNATIONAL CODE

GOVERNING AGENCY: CITY OF WAUKESHA

CONSTRUCTION TYPE:

· NEW - 697 SF  ${\cline{1}}/{}$ BUILDING AREA:

BUILDING TYPE: SINGLE-OCCUPANCY BUILDING PER IBC 506.2.1

# LIFEWAY FOODS REFRIGERATION EXPANSION PROJECT

2101 DELAFIELD ST. WAUKESHA, WI 53188

## **PROJECT TITLE**

OCCUPANCY GROUP:

ALLOWABLE AREA: UNLIMITED SF

SPRINKLED, 1 STORY ABOVE GRADE, SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS > OR = 60FT, PER IBC 507.4

FIRE SPRINKLERS:

SPECIAL INSPECTIONS REQUIRED: SEE S0 SERIES

## SHEET INDEX

SHEET SHEET TITLE

**GENERAL** 

G0.0 COVER SITE PLAN

**ARCHITECTURAL DEMOLITION PLAN** 

FLOOR PLAN

EXTERIOR BUILDING ELEVATIONS A2.0 EXITING PLAN

DOOR SCHEDULES A7.0 ARCHITECTURAL BUILDING SECTIONS

ARCHITECTURAL DETAILS

### STRUCTURAL

STRUC. NOTES, SYMBOLS & ABBREVIATIONS STATEMENT OF SPECIAL INSPECTIONS

FOUNDATION PLAN ROOF FRAMING PLAN

STRUCTURAL FRAMING ELEVATIONS

FOUNDATION DETAILS FRAMING DETAILS

LIFEWAY FOODS WAUKESHA, WI 53188



**JUSTIN W. CAPP** CE #61393, SE #4813 1003 12th STREET, MODESTO, CA PO BOX 861, 95353

(209) 524-4774

www.justinwcapp.com

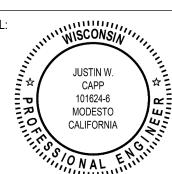
# InterTech

120 INTERSTATE N PKWY SE #100 ATLANTA, GA 30339 TELEPHONE: (770) 431-5959

REVISION HISTORY **ISSUANCE** CLIENT REVISION

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ENGINEER'S SEAL:



(EY PLAN:

PROJECT NAME:

REFRIGERATION EXPANSION **PROJECT** 

ROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

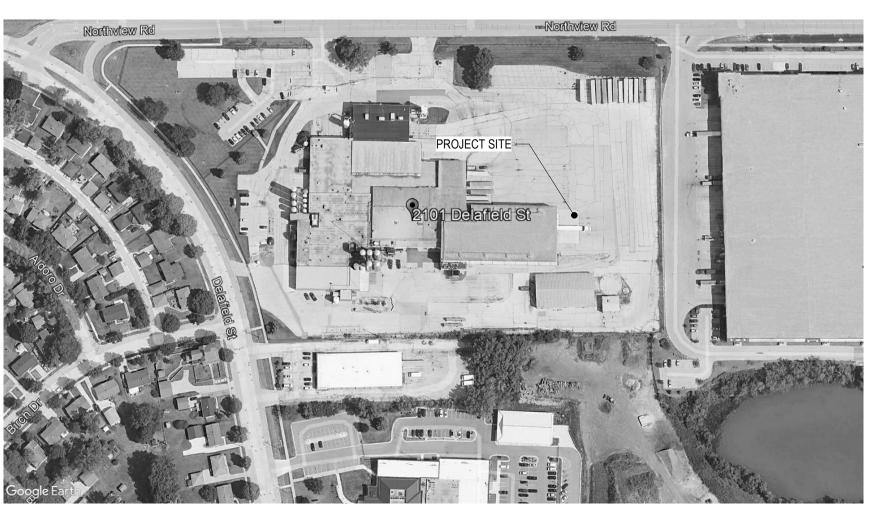
DRAWING TITLE:

COVER

DRAWING SCALE:

**SHEET INDEX** 

# 11 GENERAL NOTES

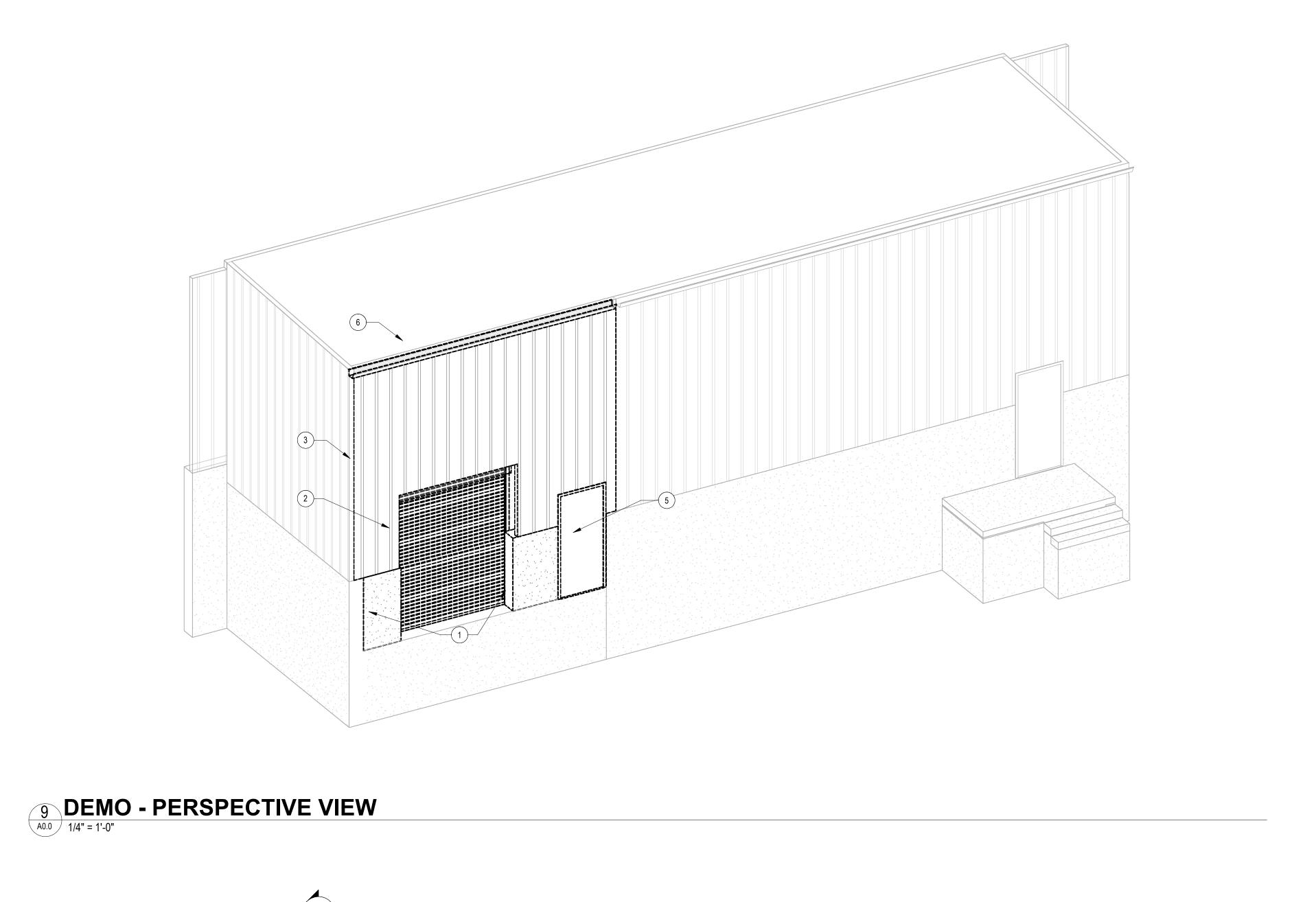








**5** C.B.C. ANALYSIS



LEGEND

KEYNOTES -

REMOVE LIFT DOOR

(N) IMP WALL

REMOVE CONC. FND. WALL FLUSH TO TOP OF FINISH FLOOR

DEMO EXISTING PERSONNEL DOOR AND REINSTALL IN NEW WEST WALL PER DOOR SCHEDULE REMOVE (E) GUTTER AND ROOF FLASHING IN AREA OF EXPANSION

REMOVE IMP WALL FLUSH TO (N) IMP WALLS AND ROOF

(E) TO REMAIN

(E) TO BE DEMOLISHED

ENGINEERING + DESIGN

LIFEWAY FOODS

2101 DELAFIELD ST. WAUKESHA, WI 53188

JUSTIN W. CAPP

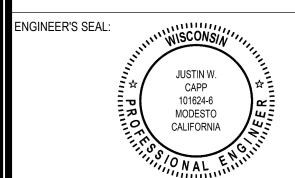
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KEY PLAN:

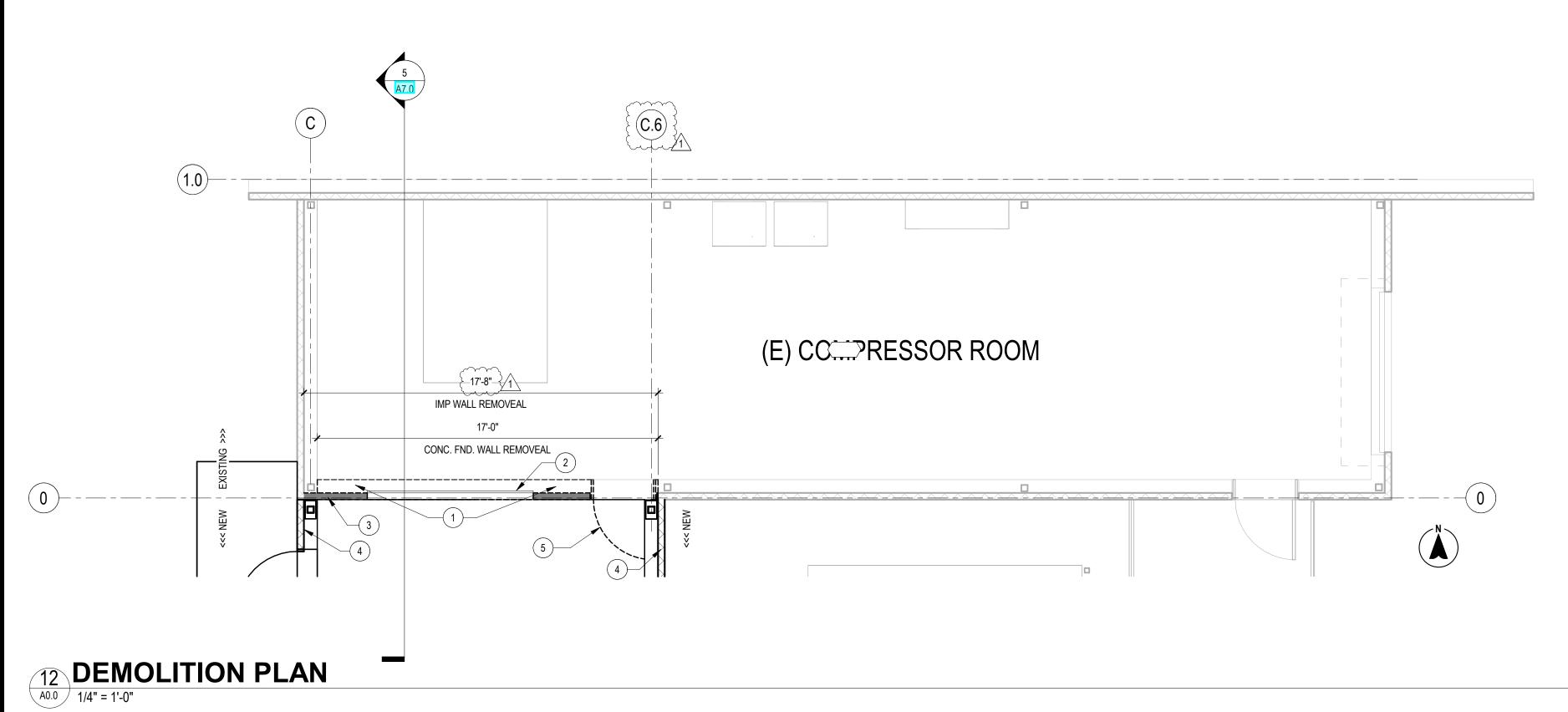
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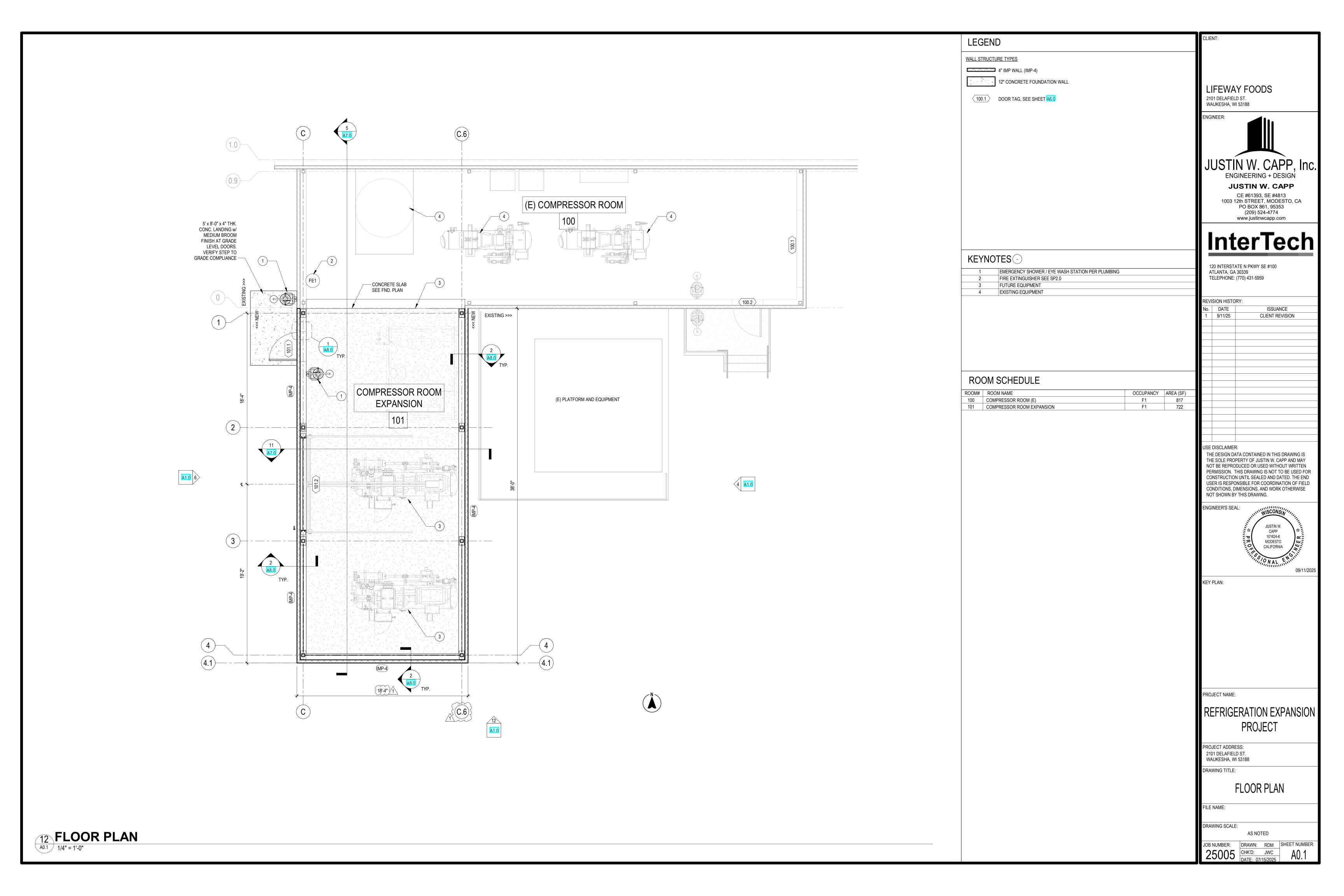
## REFRIGERATION EXPANSION PROJECT

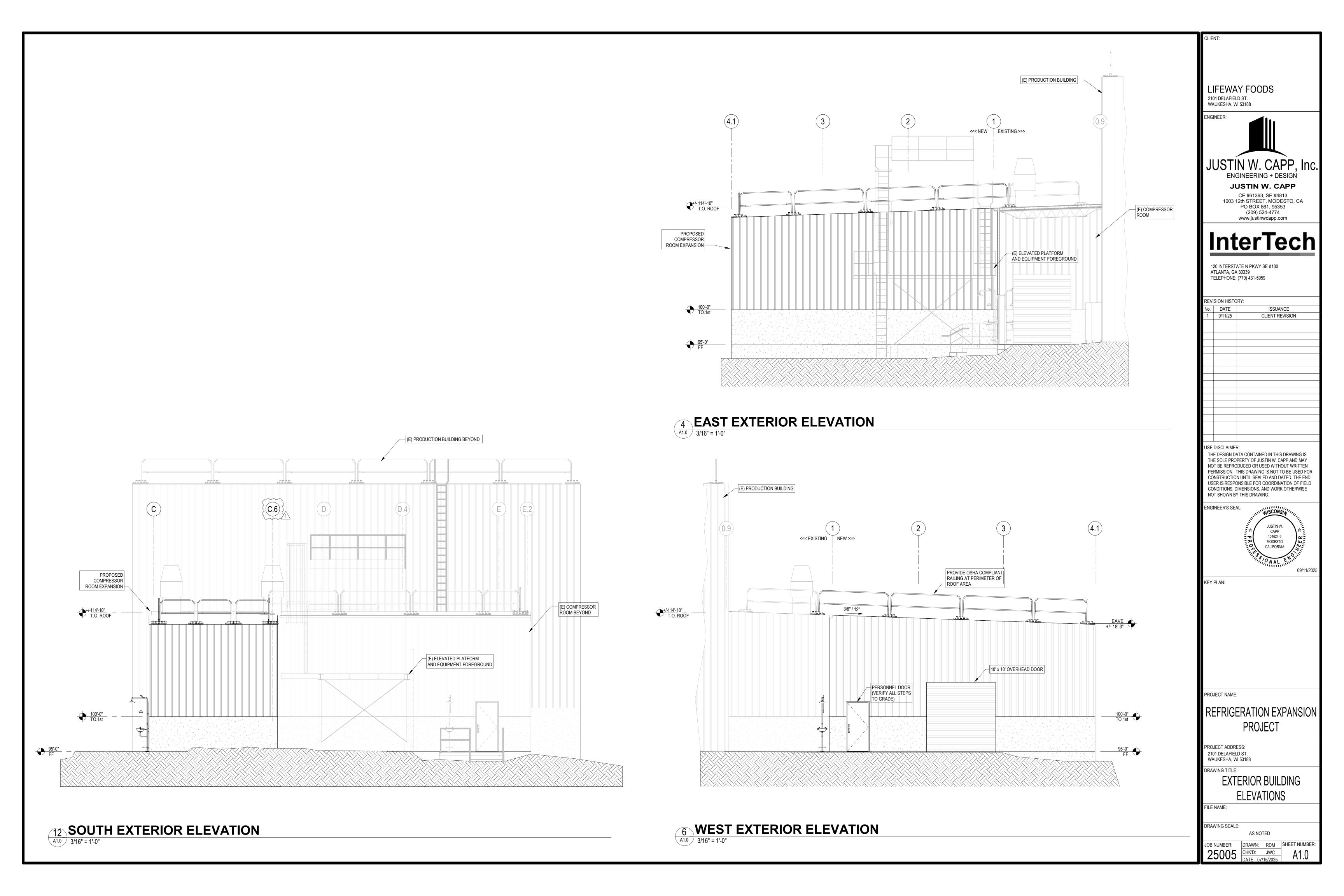
2101 DELAFIELD ST. WAUKESHA, WI 53188

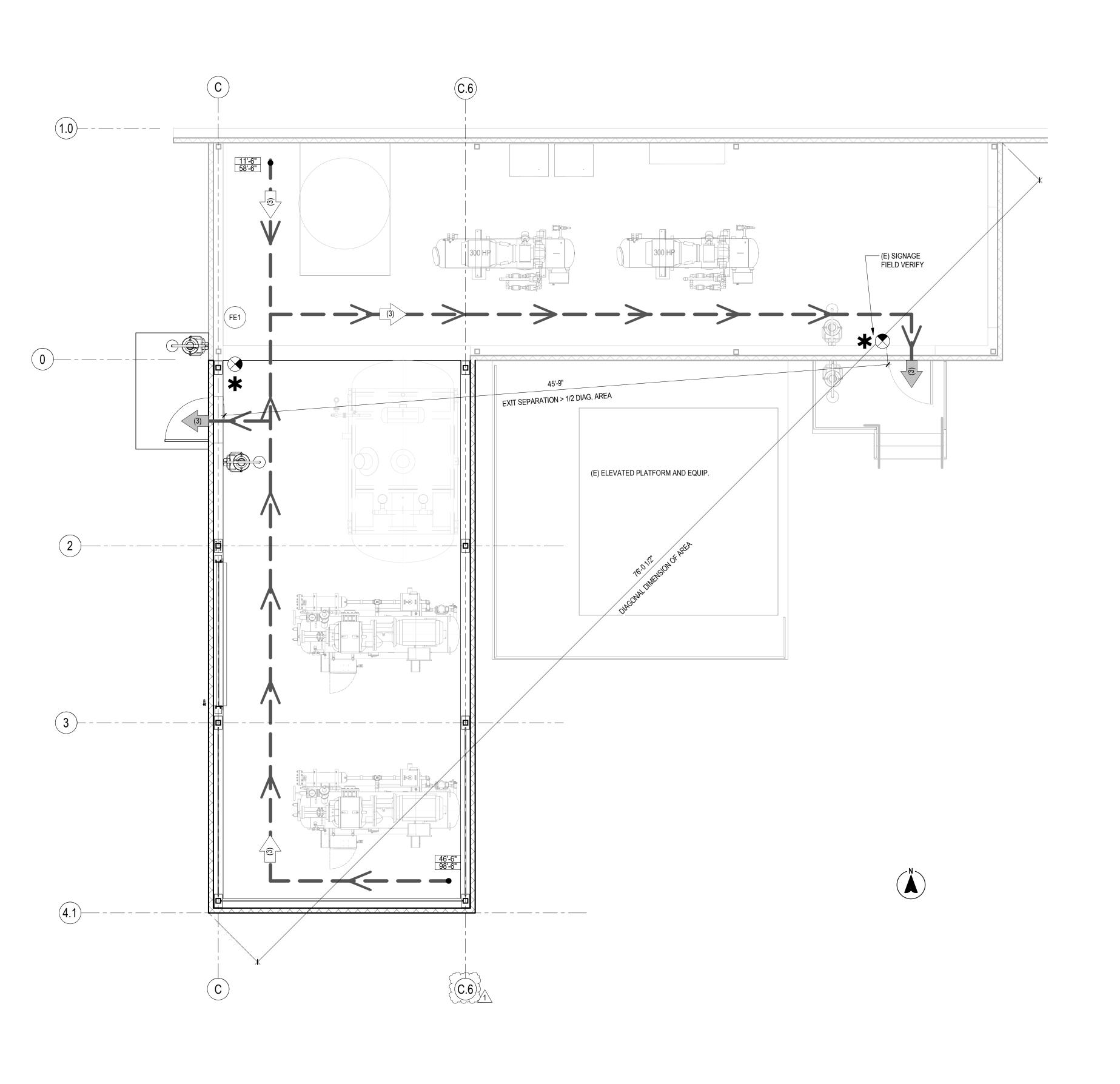
**DEMOLITION PLAN** 

DRAWING SCALE:











CONF. → DENOTES ROOM NAME 101 **──** DENOTES ROOM NUMBER ACCUMULATED ROOM OCCUPANT LOAD ROOM OCCUPANT LOAD — OCCUPANT LOAD FACTOR — DENOTES EXITING OCCUPANT LOAD — INDICATES EXITING DIRECTION OF TRAVEL — DENOTES CUMULATIVE EXITING OCCUPANT LOAD - INDICATES EXITING DIRECTION OF TRAVEL — INDICATES ILLUMINATED EXIT SIGNAGE (CBC 1013.1) — INDICATES DIRECTIONAL ILLUMINATED EXIT SIGNAGE (CBC 1013.1) — INDICATES TACTILE EXIT SIGNAGE (CBC 1013.4) DENOTES ACCESSIBLE PATH OF TRAVEL

## NOTES

1. OCCUPANT LOADS ARE CALCULATED PER CBC TABLE 1004.5. 2. EXISTING BUILDINGS HAVE AN AUTOMATIC FIRE EXTINGUISHER SYSTEM PER CBC 2022.

3. ALL EXITS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.

4. ALL PATHS OF EGRESS: CROSS SLOPE NOT TO EXCEED 2% AND RUNNING SLOPE NOT TO EXCEED 5% 5. HIGH PILE STORAGE WHSE: DIST. BTWN FIRE ACCESS DOORS NOT TO EXCEED 125' (CFC 3206.7.5)

### **EXIT WIDTH CALCULATIONS**

SINGLE 36" DOOR (CBC 1005.3.2) = 36" / (0.2"/OCC.) = 180 OCCUPANT EXITING CAPACITY SINGLE 48" GATE (CBC 1005.3.2) = 48" / (0.2"/OCC.) = 240 OCCUPANT EXITING CAPACITY

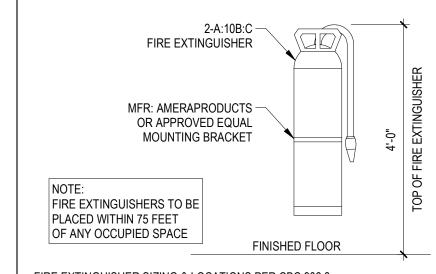
A = 250' (WITH SPRINKLER SYSTEM) B = 300' (WITH SPRINKLER SYSTEM) F-1 = 250' (WITH SPRINKLER SYSTEM) F-2 = 400' (WITH SPRINKLER SYSTEM) H-1 = 75' (WITH SPRINKLER SYSTEM) H-2 = 100' (WITH SPRINKLER SYSTEM) H-3 = 150' (WITH SPRINKLER SYSTEM) H-4 = 175' (WITH SPRINKLER SYSTEM) H-5 = 200' (WITH SPRINKLER SYSTEM) S-1 = 250' (WITH SPRINKLER SYSTEM) S-2 = 400' (WITH SPRINKLER SYSTEM) U = 400' (WITH SPRINKLER SYSTEM) F-1 = 400' (WITH SPRINKLER SYSTEM, ROOF DECK 24' MIN. FROM F.F.) S-1 = 400' (WITH SPRINKLER SYSTEM, ROOF DECK 24' MIN. FROM F.F.)

1006.2.1:

LOAD GREATER THAN 1,000 REQUIRE 4 EXITS MINIMUM. CBC 1006.2.1.1

1/2 THE DIAGONAL DIMENSION OF AREA 1/3 THE DIAGONAL DIMENSION OF AREA

## FIRE EXTINGUISHER LOCATION NOT TO SCALE



CLASS A HAZARDS - CCR TITLE 19, DIVISION 1, §568, TABLE 2 (MODERATE HAZARD)

1. MIN. RATED SINGLE EXTINGUISHER = **2-A** 

CLASS B HAZARDS - CCR TITLE 19, DIVISION 1, §569, TABLE 3 (MODERATE HAZARD) 1. MIN. RATED SINGLE EXTINGUISHER = **10B** 

CLASS C HAZARDS - SIZE & LOCATE PER CLASS A OR CLASS B HAZARD (CCR, TITLE 19, DIVISION 1, §571 (a))

MINIMUM REQUIRED FIRE EXTINGUISHER SIZE = 2-A:10B:C / MAX. FIRE EXTINGUISHER SPACING = 75 FT

## **ROOM SCHEDULE**

ROOM#	ROOM NAME	OCCUPANCY	AREA (SF)
100	COMPRESSOR ROOM (E)	F1	817
101	COMPRESSOR ROOM EXPANSION	F1	722

LIFEWAY FOODS 2101 DELAFIELD ST.

WAUKESHA, WI 53188

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CALIFORNIA

ENGINEER'S SEAL:

KEY PLAN:

**ISSUANCE** 

CLIENT REVISION

120 INTERSTATE N PKWY SE #100

TELEPHONE: (770) 431-5959

ATLANTA, GA 30339

REVISION HISTORY:

DATE

9/11/25

ENGINEERING + DESIGN

MIN. 44" WIDE x 6'-8" HIGH (CBC 11B-307.4, 11B-403.5.1 EXCEPTION 2)

— DENOTES COMMON PATH OF TRAVEL

- DENOTES MAXIMUM TRAVEL DISTANCE TO EXIT INDICATES MIN. 2-A:10B:C FIRE EXTINGUISHER

48" WIDE STAIRS (CBC 1005.3.1) = 48" / (0.3"/OCC.) = 160 OCCUPANT EXITING CAPACITY DOUBLE 36" DOOR (CBC 1005.3.2) = 72" / (0.2"/OCC.) = 360 OCCUPANT EXITING CAPACITY

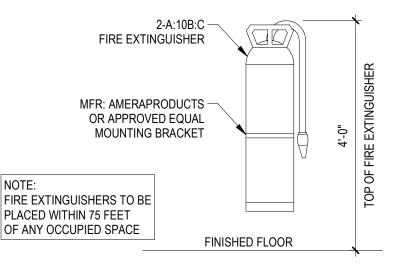
### MAXIMUM ALLOWABLE EGRESS TRAVEL DISTANCE

SINGLE STORY PER CBC TABLE 1017.2 & 1017.2.2:

MINIMUM REQUIR	RED EGRESS		
ALL SPACES REQ	UIRE 2 EXITS UNLES	SS THEY MEET ALI	L CONDITIONS OF CBC TABLE 1
OCCUPANCY	SPRINKLERS	OCC LOAD	MAX. COMMON PATH OF TRA
B, F	YES	1-49	100'
В	NO	1-30	100'
F	NO	1-30	75'
B, F	NO	31-49	75'
S	NO OR YES	1-29	100'
A, E, M	NO OR YES	1-49	75'

SPACES WITH AN OCCUPANT LOAD OF 501-1,000 REQUIRE 3 EXITS MINIMUM. SPACES WITH AN OCCUPANT

SPRINKLERS EXIT AREA SEPARATION (PER CBC 1007.1.1)



FIRE EXTINGUISHER SIZING & LOCATIONS PER CBC 906.3
CLASSIFICATION OF HAZARDS - CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 19, DIVISION 1, §565.1
OCCUPANCY CLASS - B, F (OFFICE, LIGHT MANUFACTURING) = ORDINARY (MODERATE) HAZARD

2. MAX. FLOOR AREA PER EXTINGUISHER = 1,500 SF x 2 = 3,000 SF OR 11,250 SF  $\rightarrow$  3,000 SF 3. MAX. TRAVEL DISTANCE TO EXTINGUISHER = **75 FT** 

2. MAX. TRAVEL DISTANCE TO EXTINGUISHER = 75 FT (CCR, TITLE 19, DIVISION 1, §567 (f))

## PROJECT NAME:

## REFRIGERATION EXPANSION PROJECT

PROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

DRAWING TITLE:

**EXITING PLAN** 

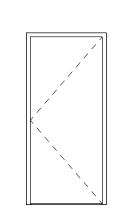
DRAWING SCALE: AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER:

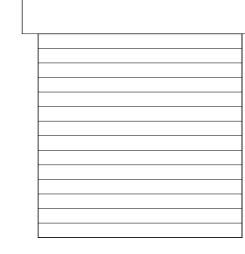
**OVERALL EXITING PLAN** A2.0 1/4" = 1'-0"

DOOR S	DOOR SCHEDULE												
NO	PANEL		MATERIAL		DOOR	HARDWARE	PAN	PANEL		FIRE	COMMENTS		
NO.	WIDTH	HEIGHT	PANEL	FRAME	TYPE	GROUP	THICKNESS	CORE	DETAILS	RATING	COMMENTS		
					,								
100.1	8'-0"	10'-0"	STEEL	STEEL	В	GROUP 1	3"	INSULATED			EXISTING		
100.2	3'-0"	7'-0"	STEEL	STEEL	Α	EXISTING	1 3/4"	INSULATED			EXISTING		
100.3	3'-0"	7'-0"	STEEL	STEEL	Α	EXISTING	1 3/4"	INSULATED			DEMO OR REUSE AS DOOR 101.1		
101.1	3'-0"	7'-0"	STEEL	STEEL	Α	GROUP 2	1 3/4"	INSULATED					
101.2	10'-0"	10'-0"	STEEL	STEEL	В	GROUP 1	1 3/4"	INSULATED					

CATALOG NUMBER	FINISH	MANUFACTURER	QUANTITY	TYPE
ROUP 1		,		1
OVERHEAD DOOR				
ALL HARDWARE PROVIDED BY DOOR MFR				
GROUP 2		,		
EXTERIOR DOOR - DOUBLE, LOCKING				
MPB99 X N(A)RP 4-1/2" X 4-1/2"	US26D	MCKINNEY	3	HINGES
328SPB		ZERO	1	MOUNTING BRACKE
ND10S RHO 626	SATIN NICKEL	SCHLAGE	1	ENTRANCE LOCK
LG12	626	IVES	1	LOCK GUARD
4111 EDA	689	LCN	1	SURFACE CLOSER
8400 10"x2" LDW B-CS	626	IVES	1	KICK PLATE
FS444	626	IVES	1	FLOOR STOP
328AA	AA	ZERO	1	GASKETING
8192AA	AA	ZERO	1	DOOR SWEEP
142A (OMIT @ OVERHANG)	Α	ZERO	1	RAIN DRIP



DOOR TYPE A HOLLOW METAL DOOR, FOR SIZE SEE SCHED



DOOR TYPE B ROLL UP DOOR, FOR SIZE SEE SCHED

## **DOOR TYPES**

1/4" = 1'-0"

- 1. EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. IBC 1010.1.9
- 2. HARDWARE DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED ACCESSIBLE BY CHAPTER 11A OR 11B SHALL
- NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. IBC 1010.1.9.1 3. ACCESS DOORS OR GATES IN BARRIER WALLS SHALL BE PERMITTED TO HAVE OPERABLE PARTS OF THE LATCH RELEASE ON SELF-LATCHING DEVICES AT 54 INCHES MAX. IBC 1010.1.9.2
- 4. LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXIST. IBC 1010.1.9.4
- A. IN BUILDINGS IN OCCUPANCY GROUP A HAVING AN OCCUPANT LOAD OF 300 OR LESS, GROUPS B, F, M, AND S, AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN EXTERIOR DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED:
- a. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED. b. A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: "THIS DOOR IS TO REMAIN UNLOCKED
- WHEN BUILDING IS OCCUPIED" THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON CONTRASTING BACKGROUND. c. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOKED BY THE BUILDING OFFICIAL FOR DUE CAUSE.
- 5. BOLT LOCKS MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE NOT PERMITTED. IBC 1010.1.9.5 6. UNLATCHING - THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. IBC 1010.1.9.6

- 1. ALL GLAZING SHALL COMPLY W/ SAFETY GLAZING REQUIREMENTS OF CALIFORNIA STATE BUILDING CODE OF REGULATIONS CHAPTER 24 OF THE CONSUMER PRODUCTS SAFETY COUNCIL (i.e. TEMPERED) AT THE FOLLOWING CONDITIONS:
- A. ALL GLAZING IN INGRESS AND EGRESS DOORS (EXCEPT JALOUSIES).
- B. GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SWINGING DOORS OTHER THAN WARDROBE. C. GLAZING IN FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE
- WALKING SURFACE.
- D. GLAZING IN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN NOTE C ABOVE, THAT MEETS THE
- FOLLOWING CONDITIONS: a. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SF
- b. EXPOSED BOTTOM EDGE LESS THAN 18" ABOVE THE FLOOR.
- c. EXPOSED TOP EDGE GREATER THAN 36" ABOVE THE FLOOR.
- d. ONE OR MORE WALKING SURFACES WITHIN 36" HORIZONTAL OF THE PLANE OF THE GLAZING.
- 2. UON ON SCHEDULES, ALL INSULATED GLASS UNITS SHALL BE AS FOLLOWS:
- A. OUTBOARD LIGHT: TINTED "SOLARGRAY"
- B. INBOARD LIGHT: CLEAR LOW-EMISSIVITY COATED C. INTERIOR UNITS:
- ABBREVIATIONS:
- A = ANODIZED ALUMINUM PANEL S = SPANDREL GLASS
- T = TEMPERED GLASS
- 4. ALL GLAZING SHALL MEET MINIMUM BUILDING ENVELOPE REQUIREMENTS.
- 5. ALL WINDOWS SHALL BE 1/4" THICK MINIMUM.
- 6. CONTRACTOR TO VERIFY WITH OWNER AND OBTAIN APPROVAL OF ALL DOOR AND WINDOW SIZES AND LOCATIONS PRIOR TO ORDERING MATERIALS.

- 1. CONTRACTOR TO VERIFY IF ANY ADDITIONAL HARDWARE IS REQUIRED BY THE OWNER.
- 2. ALL DOOR AND DOOR HARDWARE FUNCTIONS SHALL MEET STATE OF CALIFORNIA ACCESSIBILITY REQUIREMENTS AND IBC EXITING REQUIREMENTS. 3. ALL STOREFRONT GLAZING TO BE GRAY VISION GLASS, DUAL PANE LOW E. STOREFRONT TO BE CLEAR ANODIZED ALUMINUM, KAWNEER 451T SYSTEM
- 4. DESIGN OF MULLIONS & ATTACHMENTS TO STRUCTURE ARE DELEGATED DESIGN TO GLAZING CONTRACTOR.

- 1. INTERIOR FINISH MATERIAL CLASSES (IBC 803.1.1):
- A. CLASS A: FLAME SPREAD INDEX = 0-25, SMOKE-DEVELOPED INDEX = 0-450
- B. CLASS B: FLAME SPREAD INDEX = 26-75, SMOKE-DEVELOPED INDEX = 0-450 C. CLASS C: FLAME SPREAD INDEX = 76-200, SMOKE-DEVELOPED INDEX = 0-450

LIFEWAY FOODS 2101 DELAFIELD ST.

ENGINEER:

WAUKESHA, WI 53188



**JUSTIN W. CAPP** 

CE #61393, SE #4813 1003 12th STREET, MODESTO, CA PO BOX 861, 95353 (209) 524-4774 www.justinwcapp.com

120 INTERSTATE N PKWY SE #100 ATLANTA, GA 30339 TELEPHONE: (770) 431-5959

/	SION HISTO	RY:
	DATE	

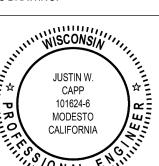
No.	DATE	ISSUANCE

THE DESIGN DATA CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF JUSTIN W. CAPP AND MAY NOT BE REPRODUCED OR USED WITHOUT WRITTEN PERMISSION. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNTIL SEALED AND DATED. THE END

USER IS RESPONSIBLE FOR COORDINATION OF FIELD

CONDITIONS, DIMENSIONS, AND WORK OTHERWISE NOT SHOWN BY THIS DRAWING.

ENGINEER'S SEAL:



KEY PLAN:

PROJECT NAME:

## REFRIGERATION EXPANSION PROJECT

PROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

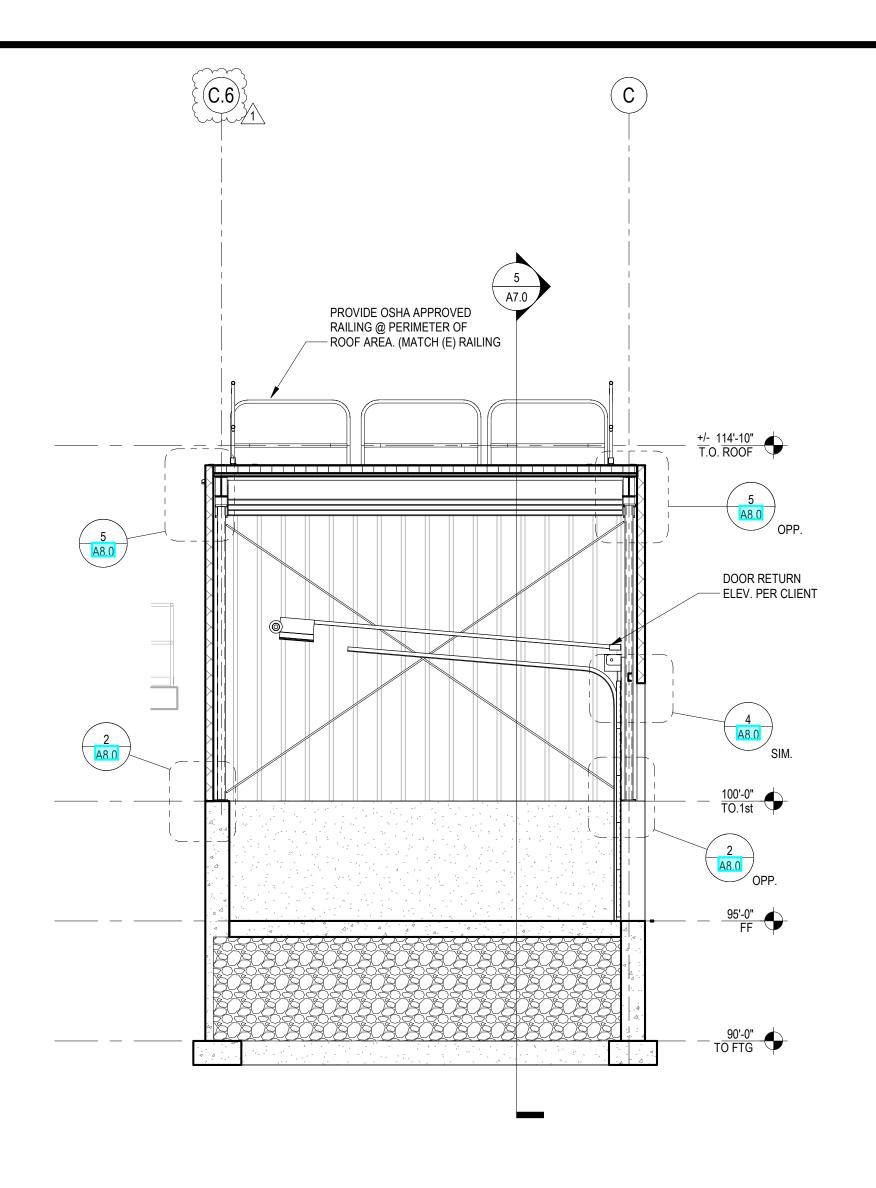
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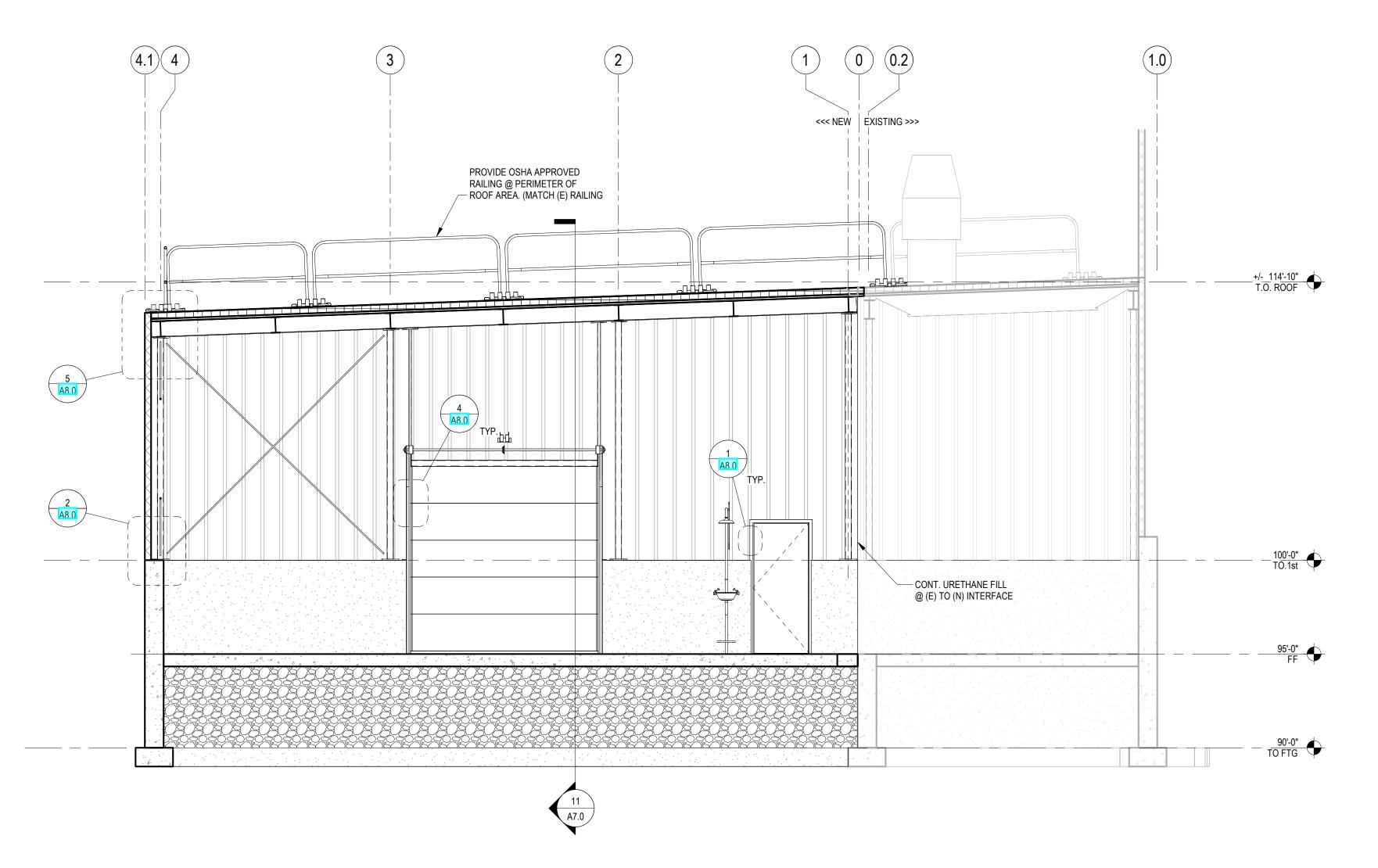
DRAWING SCALE:

AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER: 25005 CHK'D: JWC
DATE: 07/15/2025



11 ARCH. CROSS SECTION A7.0 1/4" = 1'-0"



5 ARCH LONG. SECTION

1/4" = 1'-0"

LIFEWAY FOODS

2101 DELAFIELD ST. WAUKESHA, WI 53188 ENGINEER:



JUSTIN W. CAPP

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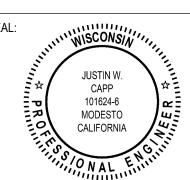
# InterTech

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REVISION HISTORY: No. DATE ISSUANCE CLIENT REVISION

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USER IS RESPONSIBLE FOR COORDINATION OF FIELD CONDITIONS, DIMENSIONS, AND WORK OTHERWISE NOT SHOWN BY THIS DRAWING.

ENGINEER'S SEAL:



KEY PLAN:

PROJECT NAME:

## REFRIGERATION EXPANSION PROJECT

PROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

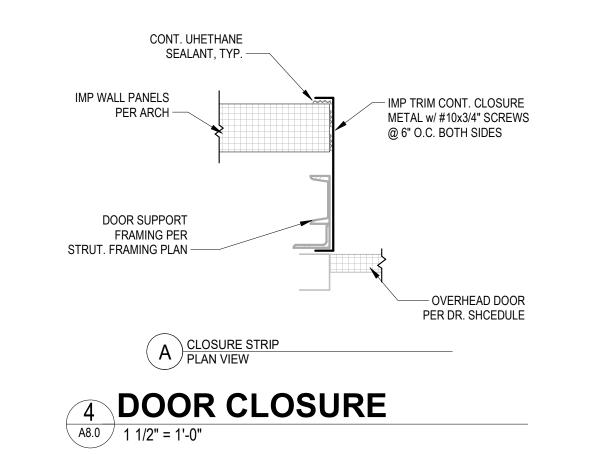
ARCHITECTURAL BUILDING

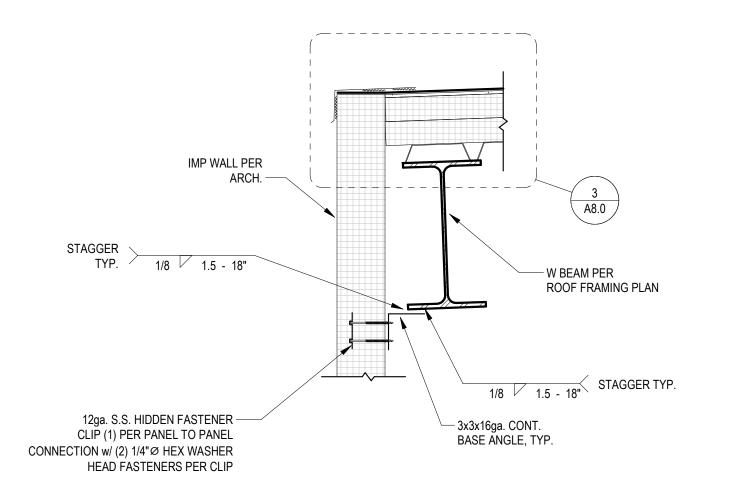
SECTIONS

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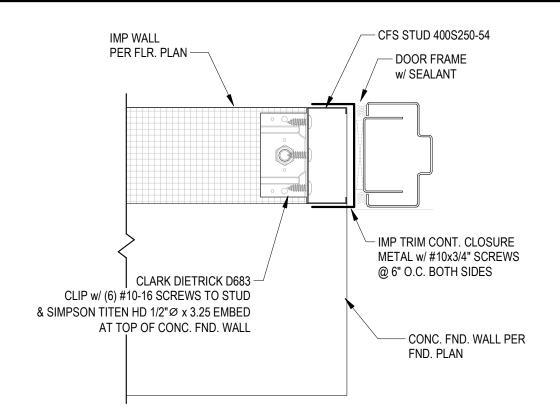
AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER: CHK'D: JWC DATE: 07/15/2025 A7.0

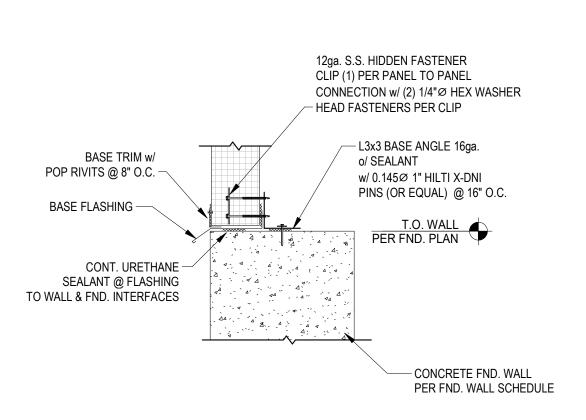




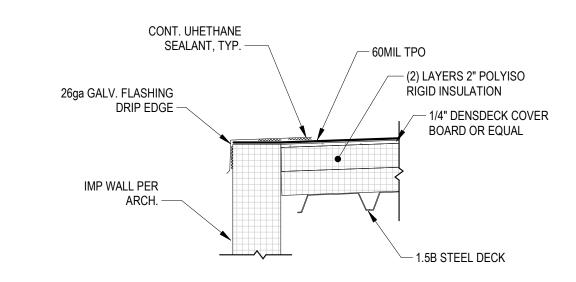




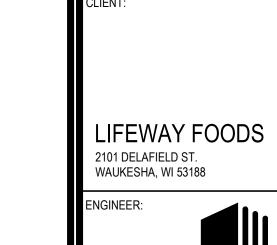
# JAMB FRAMING @ IMP WALL A8.0 3" = 1'-0"



2 IMP TO FND. DETAIL
1 1/2" = 1'-0"



# ROOF EAVE CLOSURE 1 1/2" = 1'-0"





JUSTIN W. CAPP

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# InterTech

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REVI	SION HISTO	PRY:
No.	DATE	ISSUANCE
		_

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USER IS RESPONSIBLE FOR COORDINATION OF FIELD
CONDITIONS, DIMENSIONS, AND WORK OTHERWISE
NOT SHOWN BY THIS DRAWING.

ENGINEER'S SEAL:

JUSTIN W.
CAPP
101624-6
MODESTO
CALIFORNIA

09/11/2025

KEY PLAN:

PROJECT NAME:

REFRIGERATION EXPANSION PROJECT

PROJECT ADDRESS:
2101 DELAFIELD ST.
WAUKESHA, WI 53188

DRAWING TITLE:

ARCHITECTURAL DETAILS

FILE NAME:

### STRUCTURAL NOTES

- 1. DETAILS AND DIMENSIONS OF CONSTRUCTION SHALL BE VERIFIED AT THE SITE BY THE CONTRACTOR AND ANY DISCREPANCY BETWEEN THE PLANS AND THE INTENT OF THE PROJECT SHALL BE PROMPTLY REPORTED TO THE ENGINEER. DO NOT
- SCALE DRAWINGS. OWNERSHIP OF DOCUMENTS: THESE DOCUMENTS, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF JUSTIN W. CAPP ENGINEERING AND ARE NOT TO BE USED, IN WHOLE OR IN

PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JUSTIN W. CAPP ENGINEERING.

- 3. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL, COUNTY, STATE, OR FEDERAL AGENCIES HAVING JURISDICTION. JUSTIN W. CAPP ENGINEERING ASSUMES NO RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION OR PROPER EXECUTION OF THE WORK SHOWN ON THESE DRAWINGS. SAFETY METHODS AND TECHNIQUES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY DEVIATIONS OR UNAUTHORIZED CHANGES TO THESE DRAWINGS ARE NOT THE RESPONSIBILITY OF JUSTIN W. CAPP ENGINEERING. DEVIATIONS FROM THE ORIGINAL DRAWINGS MUST BE APPROVED IN WRITING PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF THE PROGRESS OF THE PROJECT TO FACILITATE OUR ON-SITE VISITS TO ANSWER QUESTIONS AND VIEW THE PROGRESS AND QUALITY OF WORK.
- ALL STRUCTURAL MEMBERS SHOWN ON THE PLANS ARE DESIGNED AS IN THEIR FINAL LOCATION. JUSTIN W. CAPP ENGINEERING DOES NOT PERFORM CONSTRUCTION ENGINEERING OR ENGINEERING NECESSARY TO PLACE ANY STRUCTURAL MEMBERS IN
- THE CONSTRUCTION DOCUMENTS AND THE DESIGNS INCORPORATED THEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT.

25.2 PSF

22 PSF

10 PSF

L/360 LL, L/240 TL

THEIR FINAL LOCATION.

 GOVERNING BUILDING CODES & MANUALS: 2018 WISCONSIN COMMERCIAL CODE (USING THE 2015 INTERNATIONAL BUILDING CODE)

ASCE 7-10: ASCE STANDARD MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES 2. THE STRUCTURE & EACH COMPONENT HAS BEEN DESIGNED TO RESIST THE MOST CRITICAL EFFECT RESULTING FROM THE

COMBINATION OF LOADS PER ASCE 7-10 3. ROOF SNOW LOAD (PER SECTION 1608 AND ASCE 7-10 SECTION 7 GROUND SNOW LOAD (Pg.) (PER FIGURE 1608.2) 30 PSF 25.2 PSF FLAT ROOF SNOW LOAD (Pf)

SNOW EXPOSURE FACTOR (Ce) SNOW IMPORTANCE FACTOR (Is) 1.0 (RISK CATEGORY II) THERMAL FACTOR (Ct) UNBALANCED SNOW LOADING PER ASCE 7-10 (SECTION 7.6)

SNOW DRIFT PER ASCE 7-10. (SECTION 7.7 AND 7.8) SLIDING SNOW LOADING PER ASCE 7-10, (SECTION 7.9)

4. ROOF LIVE LOAD

SLOPED ROOF SNOW LOAD (Ps)

MINIMUM ROOF LIVE LOAD PER SECTION 1607.12 20 PSF

ROOF DEAD LOADS AND DEFLECTION REQUIREMENTS METAL DECK ON STEEL WIDE FLANGE JOIST DEAD LOAD COLLATERAL

ROOF DEFLECTION REQUIREMENTS L/180, L/240 LL UNIFORM FLOORS AND MEZZANINES LIVE LOAD (WALKWAYS AND ELEVATED) 60 PSF DEAD LOAD 10 PSF 5 PSF COLLATERAL

**DEFLECTION REQUIREMENTS (MIN.)** L/360 LL, L/240 TL 7. STAIRS AND EXITS 100 PSF LIVE LOAD DEAD LOAD

8. LATERAL

BASIC WIND SPEED = 115 MPH (RISK CATEGORY II)

DEFLECTION REQUIREMENTS (MIN.)

WIND EXPOSURE = "C" ANALYSIS PROCEDURE :ENVELOPE PROCEDURE PER ASCE 7-10, DIRECTIONAL PROCEDURE PER ASCE 7-10 INTERNAL PRESSURE COEFFICIENT = N/A, + OR - 0.18 COMPONENT AND CLADDING PRESSURES / SUCTIONS FOR EFFECTIVE AREAS <= 10 S.F. AS FOLLOWS:

NEW COMP. BUILDING EDGE STRIP (A) = 3.0 FT ROOF ZONE 1 PRESSURE = 16.0 PSF, SUCTION 30.6 PSF ROOF ZONE 2 PRESSURE = 16.0 PSF. SUCTION 51.4 PSF ROOF ZONE 3 PRESSURE = 16.0 PSF, SUCTION 77.3 PSF WALL ZONE 4 PRESSURE = 28.0 PSF, SUCTION 30.4 PSF

WALL ZONE 5 PRESSURE = 28.0 PSF, SUCTION 37.4 MWFRS: 16.0 PSF ON HORIZONTAL AND VERTICAL PROJECTION COMPONENT AND CLADDING: + OR - 16.0 PSF NORMAL TO SURFACE.

9. ALLOWABLE SOIL BEARING PRESSURE PRESUMED SOIL BEARING CAPACITY IS 2,000 PSF. THE PRESUMED SOIL CASSIFICATION PER SECTION 1806, TABLE 1806.2 IS (3) - SANDY GRAVEL AND / OR GRAVEL

### **EXISTING CONSTRUCTION:**

- ALL CONSTRUCTION INDICATED IS NEW UNLESS SPECIFICALLY DENOTED AS EXISTING. . CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS AND THE EXISTING CONSTRUCTION.
- 3. EXISTING CONSTRUCTION INDICATED IN THE CONSTRUCTION DOCUMENTS IS BASED UPON INFORMATION SHOWN ON AVAILABLE EXISTING DRAWINGS AND/OR LIMITED VISUAL OBSERVATIONS. THE EXISTING CONSTRUCTION MAY VARY FROM THAT INDICATED ON THE CONSTRUCTION DOCUMENTS. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.
- 4. VERIFY ALL DIMENSIONS AND ELEVATIONS OF THE EXISTING CONSTRUCTION PRIOR TO STARTING CONSTRUCTION OR
- FABRICATION, DO NOT SCALE EXISTING DRAWINGS. 5. PROVIDE AND MAINTAIN A COMPLETE AND LEGIBLE COPY OF THE EXISTING CONSTRUCTION DOCUMENTS AND MAKE THEM
- AVAILABLE FOR USE ON THE JOB SITE. 6. EXISTING STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL
- CONSTRUCTION DOCUMENTS. IF EXISTING STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED IN ANY CONSTRUCTION DOCUMENT, OR IF UNCERTAIN THAT AN ELEMENT IS STRUCTURAL, NOTIFY THE STRUCTURAL ENGINEER PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF THE EXISTING STRUCTURE AND SITE DURING DEMOLITION AND CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE SHORING, BRACING, WEATHER PROTECTION AND DUST PROTECTION. THE REMOVAL OR MODIFICATION OF EXISTING STRUCTURAL ELEMENTS SHALL BE
- PERFORMED IN A MANNER TO PREVENT DAMAGE TO THOSE ELEMENTS TO REMAIN. SHOULD DAMAGE OCCUR TO ANY EXISTING ELEMENTS, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. . EXISTING FOUNDATIONS THAT MAY BE AFFECTED BY ANY EXCAVATIONS REQUIRED FOR THIS PROJECT SHALL BE UNDERPINNED.
- SHORED OR SUPPORTED ADEQUATELY TO PREVENT SETTLEMENT AND LATERAL MOVEMENT. 9. IF EXISTING STRUCTURAL ELEMENTS NOT INDICATED FOR REPLACEMENT OR REPAIR ARE DISCOVERED TO BE DAMAGED OR DIFFERENT THAN INDICATED ON THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER, SUCH DAMAGE OR DIFFERENCE SHALL INCLUDE, BUT NOT BE LIMITED TO, ROT, WATER DAMAGE, INSECT DAMAGE, POOR WORKMANSHIP OR FIT-UP, BUCKLING, EXCESSIVE DEFLECTION, SAGGING, TWISTING, WARPING, AND DIFFERENT SIZE, ORIENTATION, GRADE, QUALITY, OR MATERIAL.
- 0. WHEN INSTALLING ANCHORS (POST-INSTALLED EXPANSION AND CHEMICAL ANCHORS OR POWDER ACTUATED FASTENERS) OR DRILLING/CORING HOLES AT EXISTING CONCRETE OR MASONRY, DO NOT DAMAGE OR CUT EXISTING REINFORCING (REBAR OR PRE/POST- TENSIONED STRANDS) UNLESS SPECIFICALLY NOTED OTHERWISE. LOCATE ALL EXISTING REINFORCING AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING ANCHORS OR DRILLING/CORING HOLES. LOCATE EDGE OF ANCHORS OR HOLES NO CLOSER THAN 1" FROM FACE OF EXISTING REINFORCING.
- 11. VERIFY ALL EXISTING CONSTRUCTION FRAMING NOTED ON THESE DRAWINGS. CONTACT JUSTIN W. CAPP ENGINEERING IF THERE ARE ANY DISCREPANCIES OF EXISTING CONSTRUCTION & THAT WHICH IS SHOWN ON THESE DRAWINGS.

### **EXCAVATIONS AND FOUNDATIONS:**

- I. SLOPES FOR PERMANENT FILLS SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL. CUT SLOPES FOR PERMANENT EXCAVATIONS SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL UNLESS SUBSTANTIATING DATA JUSTIFYING STEEPER CUT SLOPES
- 2. EXISTING FOOTINGS OR FOUNDATIONS WHICH MAY BE AFFECTED BY ANY EXCAVATION SHALL BE UNDERPINNED ADEQUATELY OR OTHERWISE
- PROTECTED AGAINST SETTLEMENT AND SHALL BE PROTECTED AGAINST LATERAL MOVEMENT. 3. IF EXPANSIVE SOIL EXISTS, THE BUILDING SUBGRADE SHALL BE SCARIFIED AND RECOMPACTED TO A DEPTH OF 6" BELOW ROUGH GRADE. THE CONTRACTOR SHALL PROVIDE DIKES AND LONG TERM SPRINKLING TO OBTAIN A MOISTURE CONTENT OF 5% ABOVE OPTIMUM PRIOR TO PLACING OF CONCRETE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A MOISTURE TEST BY AN APPROVED TESTING LABORATORY
- PRIOR TO PLACEMENT OF CONCRETE. ALL SUBGRADE SHALL BE NATIVE OR ENGINEERED FILL. 4. FILLS USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE PLACED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE. A SOIL INVESTIGATION REPORT AND A REPORT OF SATISFACTORY PLACEMENT OF FILL, BOTH ACCEPTABLE TO THE BUILDING OFFICIAL AND THE ENGINEER OF RECORD, SHALL BE SUBMITTED.
- 5. THE ALLOWABLE FOUNDATION AND LATERAL PRESSURES ARE BASED ON THE VALUES SET FORTH BY IBC TABLE 1806.2 A. CLASS OF MATERIALS: (3) - SANDY GRAVEL AND / OR GRAVEL
- B. ALLOWABLE FOUNDATION PRESSURE:

CONTINUOUS STRIP FOOTING MAXIMUM BEARING PRESSURES										
MINIMUM FOOTING EMBEDMENT DEPTH (INCHES)	MAXIMUM BEARING PRESSURE FOR LIVE + DEAD LOADS (psf)	MAXIMUM BEARING PRESSURE FOR LIVE + DEAD + (WIND OR SEISMIC LOADS) (psf)								
12	1,500	2,000								

000/11/2/11/2/	(2017/1/00/27/1/01/1/1/1/00/1/1/01/1/	VIIIIOIII DEI II III TOTT NEGGOTIEG				
MINIMUM FOOTING EMBEDMENT DEPTH (INCHES)	MAXIMUM BEARING PRESSURE FOR LIVE + DEAD LOADS (psf)	MAXIMUM BEARING PRESSURE FOR LIVE + DEAD + (WIND OR SEISMIC LOADS) (psf)				
12	1,500	2,000				

SQUARE AND RECTANGULAR STRIP FOOTING MAXIMUM BEARING PRESSURES

- C. LATERAL BEARING: 100 LB./SQ.FT. PER FOOT OF DEPTH.
- D. LATERAL SLIDING RESISTANCE: 130 PSF (COHESION) (OR) 0.25
- E. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL 12" BELOW NATURAL OR FINISHED GRADE, WHICHEVER IS LOWER. FOUNDATIONS SUPPORTING WOOD SHALL EXTEND AT LEAST 8" ABOVE THE ADJACENT FINISH GRADE.
- 7. FOUNDATIONS FOR ALL BUILDINGS WHERE THE SURFACE OF THE GROUND SLOPES MORE THAN 1' IN 10' SHALL BE LEVEL OR SHALL BE STEPPED SO THAT BOTH TOP AND BOTTOM OF SUCH FOUNDATIONS ARE LEVEL.
- 8. FOUNDATION PLATES OR SILLS SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL WITH NOT LESS THAN 5/8" NOMINAL DIAMETER STEEL BOLTS EMBEDDED AT LEAST 7" INTO THE CONCRETE OR MASONRY AND SPACED NOT MORE THAN 4' APART. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PIECE WITH ONE BOLT LOCATED WITHIN 12" OF EACH END OF EACH PIECE. A PROPERLY SIZED NUT AND WASHER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE.

### 1. MATERIALS:

- A. CEMENT SHALL CONFORM TO THE CBC, PORTLAND CEMENT AND BLENDED HYDRAULIC CEMENTS, TYPE I OR TYPE II.
- B. AGGREGATES SHALL CONFORM TO ASTM C150.
- C. WATER USED IN MIXING CONCRETE SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALTS, ORGANIC MATERIALS OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR REINFORCEMENT. NONPOTABLE WATER SHALL NOT BE D. ALL MIX DESIGNS SHALL BE PROPORTIONED IN ACCORDANCE WITH SECTION 4.3 "PROPORTIONING ON THE BASIS OF FIELD EXPERIENCE
- AND/OR TRIAL MIXTURES" OF ACI 318-14. SUBMIT MIX DESIGNS ON EACH CLASS OF CONCRETE FOR REVIEW.
- . THE PROPOSED MIX DESIGNS SHALL BE ACCOMPANIED BY COMPLETE STANDARD DEVIATION ANALYSIS OR TRIAL MIXTURE TEST DATA. MIX DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATE ADMIXTURES, WATER, AND GRADATION OF FINE AND COARSE AGGREGATES.

4" IMP WITH NO GIRTS IS ACCEPTABLE WITH KINGSPAN KS SERIES PANELS: 30" MAX WIDTH AND 22ga FACING BOT SIDES OF PANEL

## **Insulated Panel Systems**

## QuadCore® KS Series Allowable Load / Span Tables

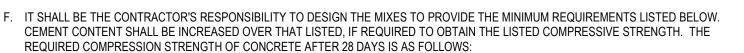
Shadowline, Micro-Rib, Mini-Wave, Azteco™, Granitstone®, Flat (only available in 42" width)

## Facer Gauges: 22ga exterior/22ga interior

**Support Steel:** 16ga

			24	" Wide								30	" Wide				
Panel	Span		Negative Wind Pressure							Span	Span Negative Wind Pressure						
Thickness	Condition	20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF	Thickness	Condition	20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSI
2"	Single									Single							
	Double	Contact Kingspan Technical Services						2"	Double		Cor	ntact King	span Tech	nical Serv	ices		
	Multiple									Multiple							
	Single	15'-3''	13'-9"	12'-7"	11'-8''	10'-3''	9'-2"	8'-3"		Single	15'-3"	13'-2"	11'-0''	9'-5"	8'-3"	7'-4"	6'-7''
2.5"	Double	11'-5''	9'-3"	7'-10''	6'-9''	6'-0"	5'-5"	4'-11"	2.5"	Double	9'-3"	7'-6''	6'-4"	5'-6"	4'-11''	4'-5"	4'-0"
	Multiple	12'-7''	10'-1"	8'-5"	7'-3"	6'-4''	5'-8''	5'-1"		Multiple	10'-1''	8'-1''	6'-9"	5'-10''	5'-1"	4'-7"	4'-1''
	Single	17'-0''	15'-2"	13'-10"	11'-10''	10'-4"	9'-2"	8'-3"	3"	Single	16'-7"	13'-3''	11'-1"	9'-6"	8'-3"	7'-4''	6'-7"
3"	Double	11'-6''	9'-4''	7'-11''	6'-10''	6'-1"	5'-5"	4'-11"		Double	9'-4"	7'-7''	6'-5"	5'-7''	4'-11"	4'-5"	4'-0''
	Multiple	12'-7"	10'-1"	8'-5"	7'-3''	6'-5"	5'-8''	5'-2"		Multiple	10'-1''	8'-1''	6'-10''	5'-10"	5'-2"	4'-7''	4'-2"
	Single	19'-10''	16'-10"	14'-0''	12'-0''	10'-6"	9'-4''	8'-5"	5'-1"	Single	(16'-9")	13'-5''	11'-2''	9'-7"	8'-4"	7'-5"	6'-8"
4"	Double	11'-8''	9'-6"	8'-1"	7'-0''	6'-2"	5'-7"	5'-1''		Double	9'-6"	7'-9"	6'-7''	5'-9''	5'-1"	4'-6"	4'-1"
	Multiple	12'-8"	10'-2''	8'-6"	7'-4"	6'-5"	5'-9"	5'-2''		Multiple	10'-2"	8'-2"	6'-10''	5'-11"	5'-2"	4'-8''	4'-2"
	Single	21'-9''	17'-5''	14'-6''	12'-5''	10'-10"	9'-8''	8'-8"		Single	17'-5"	13'-11''	11'-7"	9'-11''	8'-8"	7'-9''	6'-11''
5"	Double	11'-10''	9'-8"	8'-2"	7'-2"	6'-4"	5'-8"	5'-2"	5"	Double	9'-8''	7'-11"	6'-8''	5'-10''	5'-2"	4'-7''	4'-2"
	Multiple	12'-8''	10'-3"	8'-7''	7'-5"	6'-6"	5'-9"	5'-3"		Multiple	10'-3"	8'-3"	6'-11"	5'-11"	5'-3"	4'-8"	4'-3"
	Single	22'-7''	18'-0''	15'-0''	12'-10"	11'-3''	10'-0"	9'-0"		Single	18'-1"	14'-5''	12'-0''	10'-4"	9'-0"	8'-0''	7'-2"
6"	Double	12'-0''	9'-10''	8'-4"	7'-3"	6'-5"	5'-9"	5'-3''	6"	Double	9'-10"	8'-0"	6'-10''	5'-11"	5'-3"	4'-8"	4'-3"
	Multiple	12'-9''	10'-3"	8'-7''	7'-5"	6'-6"	5'-10"	5'-3''		Multiple	10'-3"	8'-3"	6'-11"	6'-0"	5'-3"	4'-8"	4'-3"
eflection L	.imit:		L/180						Deflection L	.imit:		L/180					
astening M	lethod:		Standa	rd 2-hole d	oncealed	clip w/ (2)	1/4" TEK f	asteners	Fastening M	lethod:		Standard 2-hole concealed clip w/ (2) 1/4" TEK fasteners					
Vind Pressu	ıre:		Unfacto	ored, ASD,	Service L	oads			Wind Pressure:			Unfactored, ASD, Service Loads					
nermal Dif	ferential:		EXCLU	DED					Thermal Dif	ferential:		EXCLUE	DED				
inimum Sı	upport Steel	Properties	: 16 ga, c	grade 50, (	FU=65 ks	i)			Minimum Su	upport Steel	Properties	: 16 ga, g	grade 50, (	(FU=65 ksi	)		
astener pu	ll-out values:			on publishers (829 lbs		or <sup>1</sup> /4"-14 Ti	riangle Blo	ızer	Fastener pu	ll-out values:			on publishers (829 lbs			riangle Blo	azer

Notes to tables: Spans shown are for negative uniform loads only. Spans may be governed by other factors including temperature differentials, deflection requirements, structural support gage, or unequal spacing of secondary. Consult Kingspan for specific project applications.



CLASS	STRENGTH (PSI)	SLUMP (MAX)	AGG. (MAX)	MIN. CEMENT LBS. PER CY	MAX. W.C.
SLABS ON GRADE	3,000	5"	3/4"	450	0.50
FOUNDATIONS	3,000	5"	1"	450	0.50

- 3. CONCRETE (OTHER THAN HIGH-EARLY-STRENGTH) SHALL BE MAINTAINED ABOVE 50°F. AND IN A MOIST CONDITION FOR AT LEAST THE FIRST
- CONCRETE WITH APPROVAL OF THE ENGINEER OF RECORD, PROVIDED THEY ARE NOT CONSIDERED TO REPLACE STRUCTURALLY THE DISPLACED CONCRETE. REINFORCEMENTS, ANCHOR BOLTS, PIPE SLEEVES, AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE PRIOR TO PLACING CONCRETE.
- 5. PROVIDE CONTROL OR CONSTRUCTION JOINTS PER PLAN (15'-0" MAX). FURNISH AND INSTALL POLYURETHANE FILLER, PER CONTRACTOR'S
- TEMPERATURES EXCEEDING 90°F, CONTRACTOR TO TAKE NECESSARY PRECAUTIONS (AT RISK). WHEN HIGH TEMPERATURES, LOW HUMIDITY AND DRY WINDS CREATE CONDITIONS SUITABLE FOR PLASTIC CRACKING, THE EVAPORATION RETARDER "EUCOBAR" BY THE EUCLID CHEMICAL CO. OR "CONFILM" BY MASTER BUILDERS MAY BE REQUIRED TO BE APPLIED BY SPRAY ONE OR MORE TIMES DURING THE

- REINFORCEMENT SHALL BE DEFORMED REINFORCEMENT, EXCEPT THAT PLAIN REINFORCEMENT MAY BE USED FOR SPIRALS.
- REINFORCEMENT SHALL CONFORM TO ASTM A 615, REINFORCING BARS FOR CONCRETE. 3. REINFORCING BARS SHALL HAVE 60,000 PSI (GRADE 60) SPECIFIED YIELD STRENGTH.
- 4. WELDED SMOOTH WIRE FABRIC FOR CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A1064.
- 5. ALL WELDED REBAR SHALL BE ASTM A706.
- 1. STRUCTURAL STEEL SHALL CONFORM TO THE CBC, MATERIAL SPECIFICATIONS FOR STRUCTURAL STEEL AS FOLLOWS:
- A. PLATES AND CHANNELS: ASTM A36, Fy = 36 KSI
- B. STRUCTURAL STEEL: ASTM A992, Fy = 50 KSI STEEL PIPE: ASTM A53, GRADE B, Fy = 35 KSI
- D. HIGH STRENGTH BOLTS: ASTM A325 1/2" TO 1" DIAMETER, INCLUSIVE, Fy = 92 KSI, 1 1/8" TO 1 1/2" DIAMETER, INCLUSIVE, Fy = 81 KSI STRUCTURAL TUBING: ASTM A500, GRADE C, Fy = 50 KSI AMERICAN WELDING SOCIETY (AWS) "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION" SHALL BE USED AS A STANDARD
- SPECIFICATION. WELD ELECTRODES SHALL BE 70 KSI.

REQUIRE SPECIAL INSPECTION, UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL.

- CONNECTORS SHALL CONFORM TO IBC, HIGH-STRENGTH BOLTS UNLESS OTHERWISE NOTED. 4. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL TEMPORARY SUPPORTS REQUIRED FOR ERECTION. THIS STRUCTURE MAY NOT BE SELF-SUPPORTING AS DEFINED IN THE AISC CODE OF STANDARD PRACTICE; THEREFORE ERECTION BRACING IS REQUIRED AND IS TO BE PREPARED BY A LICENSED CIVIL OR STRUCTURAL ENGINEER. ERECTION PLANS, AND SEQUENCE MEMBER DETAILS TO BE SUBMITTED TO THE
- ENGINEER FOR REVIEW PRIOR TO FABRICATION. 5. STRUCTURAL AND MISCELLANEOUS SHAPES, PLATES AND BARS SHALL CONFORM WITH ASTM AND SHALL BE FABRICATED IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION. 5. ALL STEEL SHALL BE THOROUGHLY CLEANED, REMOVING ALL LOOSE MILL SCALE, GREASE, DIRT AND FOREIGN MATTER BY SCRAPING OR
- SANDBLASTING. APPLY ONE COAT OF ZINC RICH SHOP PRIME, (2 MIL DFT). DO NOT SHOP PAINT MEMBERS OR PORTIONS OF MEMBERS TO BE EMBEDDED IN CONCRETE OR MORTAR, PAINT EMBEDDED STEEL WHICH IS PARTIALLY EXPOSED ON EXPOSED PORTIONS AND INITIAL 2" OF EMBEDDED PORTIONS ONLY. DO NOT PAINT SURFACES WHICH ARE TO BE WELDED. HOLES SHALL BE 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT.

8. ALL SHOP WELDING SHALL BE PERFORMED BY A LICENSED FABRICATOR APPROVED BY THE BUILDING OFFICIAL. IN LIEU OF AN APPROVED

FABRICATOR, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO OBSERVE AND APPROVE ALL SHOP WELDING. ALL FIELD WELDING SHALL

- 2. CONCRETE SHALL BE DEPOSITED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING OR FLOWING. CONCRETING SHALL BE CARRIED ON AT SUCH A RATE THAT CONCRETE IS AT ALL TIMES PLASTIC AND FLOWS READILY INTO SPACES BETWEEN REINFORCEMENT. CONCRETE THAT HAS PARTIALLY HARDENED OR BEEN CONTAMINATED BY FOREIGN MATERIALS SHALL NOT BE
- 4. CONDUITS, PIPES AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND WITHIN LIMITATIONS OF IBC MAY BE EMBEDDED IN
- REQUIREMENTS, TO ALL SAWCUT AND CONSTRUCTION JOINTS.
- ADDITIVES AND ADMIXTURES TO CONCRETE SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER OF RECORD.
- 7. CONCRETE SHOULD NOT BE PLACED IN CONDITIONS WITH TEMPERATURES EXCEEDING 90°F. IF CONCRETE MUST BE PLACED IN FINISHING OPERATION
- 8. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION.

# SYMBOLS

HGR.

HORIZ.

S0.0 / NONE

HSB

HT. HVAC HANGER

HORIZONTAL

HIGH STRENGTH BOLT

**ABBREVIATIONS** 

HEATING, VENTILATION & AIR

- SHEET NO.

(F1)

**(** FA **)** 

ELEVATION DESCRIPTION

ELEVATION DESCRIPTION

**COLUMN TAG** 

**HOLDOWN TAG** 

SHEAR WALL TYPE

SPREAD FOOTING TAG

CONTINUOUS FOOTING TAG

ELEVATION TAG (IN ELEVATION,

ELEVATION TAG (IN PLAN VIEWS)

SECTION & DETAIL VIEWS)

**DETAIL REFERENCE** 

PLYWOOD

 $\searrow$ 

OR STUCCO

CONCRETE

MASONRY

(CONTINUOUS)

(BLOCKING)

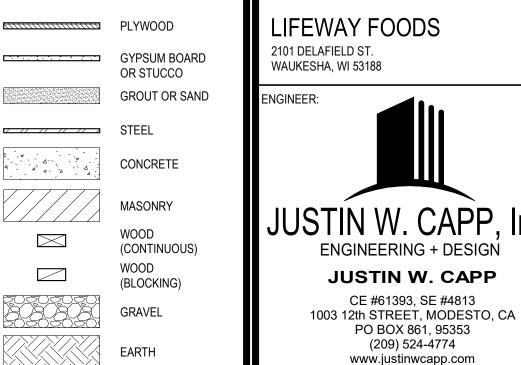
WOOD

WOOD

GRAVEL

**EARTH** 

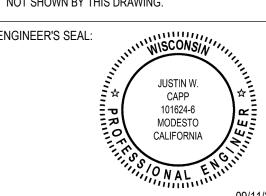
	AT	IA	IN ADVANICE
@ &	AND	IA ID	IN ADVANCE INSIDE DIAMETER
A.B. ABV.	ANCHOR BOLTS ABOVE	INT. INTM.	INTERIOR INTERMEDIATE
ACTL.	ACTUAL	JT.	JOINT
ADDL.	ADDITIONAL	LG.	LENGTH
ADJ. AFF	ADJACENT ABOVE FINISHED FLOOR	LONG. LLH	LONGITUDINAL LONG LEG HORIZONTAL
ALT.	ALTERNATE	LLV	LONG LEG VERTICAL
ARCH. BD.	ARCHITECTURAL BOARD	LS MFR.	LAG SCREW MANUFACTURER
BETW.	BETWEEN	MFG.	MANUFACTURING
BEV. BLDG.	BEVELED BUILDING	MAX. MB	MAXIMUM MACHINE BOLT
BLK(G).	BLOCK(ING)	MBM	METAL BUILDING MFR.
BLW. BM.	BELOW BEAM	MECH. MIN.	MECHANICAL MINIMUM
BOB	BOTTOM OF BEAM	MISC.	MISCELLANEOUS
BOC	BOTTOM OF CONCRETE	MTL.	METAL NEW
BOF BOS	BOTTOM OF FOOTING BOTTOM OF SLAB	(N) N/A	NOT APPLICABLE
BOT.	BOTTOM	NO.	NUMBER
BRG. B.S.	BEARING BOTH SIDES	NOM. NS	NOMINAL NAILING STRIP / NEAR SIDE
BYD.	BEYOND	NTS	NOT TO SCALE
CANT. CB	CANTILEVER CARRIAGE BOLT	O/ OC	OVER ON CENTER
CC	CENTER TO CENTER	OD	OUTSIDE DIAMETER
CJ	CONTROL JOINT (CONSTRUCTION JOINT)	OH OPNG.	OPPOSITE HAND / OVERHANG OPENING
CL	CENTER LINE	OPP.	OPPOSITE
CLG.	CEILING	PAF PC.	POWDER ACTUATED FASTENER PIECE
CLR. CMU	CLEAR CONCRETE MASONRY UNIT	PC. PARA.	PARALLEL
COL.	COLUMN	PERIM.	PERIMETER
CONC. CONN.	CONCRETE CONNECTION	PEN	PERIMETER EDGE NAIL / PENETRATION
CONST. JT.	CONSTRUCTION JOINT	PERP.	PERPENDICULAR
CONT. CTR(D).	CONTINUOUS CENTER(ED)	PL PLY.	PLATE PLYWOOD
CTSK.	CENTER(ED) COUNTERSUNK DEMOLITION	PREFAB	PREFABRICATED
(D) DBL.	DEMOLITION DOUBLE	PT PTDF	PRESSURE TREATED PRESSURE TREATED DOUGLAS FIR
DET.		DIA.	DIAMETER
DF	DETAIL DOUGLAS FIR DIAMETER	RAD.	RADIUS
DIA. DIAG.	DIAMETER DIAGONAL	REINF. REQ.	REINFORCING REQUIRED
DIM.	DIMENSION	RGH.	ROUGH
DN. DR.	DOWN DRAIN	RHWS RO	ROUND HEAD WOOD SCREW ROUGH OPENING
DWG(S).	DRAWING(S)	RWD.	REDWOOD
(E) EA.	DRAIN DRAWING(S) EXISTING EACH	SCHED. SDS	SCHEDULE SELF DRILLING SCREW
EF .	EACH FACE	SECT. SIM. SOG SPEC. SQ. SS	SECTION
EJ FL (FLFV)	EXPANSION JOINT	SIM. SOG	SIMILAR SLAB ON GRADE
ELEC.	ELEVATION ELECTRICAL FDGE NAII - FND NAII	SPEC.	SPECIFICATIONS
EN EQ.	EDGE NAIL - END NAIL EQUAL	SQ.	SQUARE STAINLESS STEEL
EOS	LUGL OF SLAD	STAG.	STAGGERED
ES EW	EDGE SCREW EACH WAY	STD. STIFF.	STANDARD STIFFENER
EW EF	EACH WAY, EACH FACE	STL.	STEEL
EXC. EXT.	EACH WAY, EACH FACE EXCAVATE EXTERIOR FUTURE	STRUCT. SYM.	STRUCTURAL SYMMETRICAL
(F)	EXCAVATE EXTERIOR FUTURE	T&B	TOP & BOTTOM
FD	FLOOR DRAIN	TC	TOP OF CURB
FHWS FIN.	FLAT HEAD WOOD SCREW FINISH	T&G	TOP OF DECK TONGUE & GROOVE
FF	FINISHED FLOOR	THRU	THROUGH
FG FLG.	FINISHED GRADE FLANGE	TN TOB	TOE NAIL TOP OF BEAM
FLR.	FLOOR	TOC	TOP OF CONCRETE
FN FDN.	FIELD NAIL - FACE NAIL FOUNDATION	TOF TOM	TOP OF FRAMING TOP OF MASONRY
FOB	FACE OF BEAM	TOP	TOP OF PLYWOOD
FOC FOM	FACE OF CONCRETE FACE OF MASONRY	TOS TOW	TOP OF STEEL TOP OF WALL
FON	FACE OF STUD	TRANS.	TRANSVERSE
FP EDM	FULL PENETRATION	TS	TOP OF SLAB
FRM. FS	FRAMING FAR SIDE	TYP. UON	TYPICAL UNLESS OTHERWISE NOTED
FTG.	FOOTING	VERT.	VERTICAL
GA. GALV.	GAGE GALVANIZED	VIF W/	VERIFY IN FIELD WITH
GLB	GLUE LAMINATED BEAM	WD.	WIDTH
GYP. BD. HDR.	GYPSUM BOARD HEADER	W/O WP	WITHOUT WORK POINT
HGR	HANGER	\/\/\/F	WIRE WEI DED EARRIC



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(EY PLAN:

PROJECT NAME:

REFRIGERATION EXPANSION **PROJECT** 

ROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

DRAWING TITLE: STRUC. NOTES, SYMBOLS & **ABBREVIATIONS** 

ILE NAME

WIRE WELDED FABRIC

DRAWING SCALE: AS NOTED OB NUMBER: DRAWN: RDM SHEET NUMBER:

12 STRUCTURAL NOTES

STATEMENT OF SPECIAL INSPECTIONS:

1. IN ADDITION TO THE INSPECTIONS REQUIRED BY THE IBC, THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK:

FADDIO	A T-		HEDULE OF SPECIAL INSPECTION S		, L U
FABRIC	AIE	DIIEN	<b>IS (IBC 1704.2.5)</b>		
REQUIRED		Γ	VERIFICATION OR INSPECTION TASK	EXTENT	REMARKS
X	1.		ABRICATOR'S FABRICATION AND QUALITY CONTROL PROCEDURES	-	
STRUCT	TUR.	AL STE	EEL CONSTRUCTION (IBC 1705.2.1)		
REQUIRED			VERIFICATION OR INSPECTION TASK	EXTENT	REMARKS
Х	1.	IN AISC 360	DR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED ) SEC. N3.2 FOR COMPLIANCE W/ CONSTRUCTION DOCUMENTS)	PERIODIC	
	2.	WELDING			
X			ECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED FOR MEMBER, THE QA TASKS LISTED IN AISC 360 TABLE N5.4-1)	SEE AISC 360 TABLE N5.4-1	OBSERVE OR PERFORM AS NOTED
Х			ECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED T OR MEMBER, THE QA TASKS LISTED IN AISC 360 TABLE N5.4-2)	SEE AISC 360 TABLE N5.4-2	OBSERVE OR PERFORM AS NOTED
Х			ECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED FOR MEMBER, THE QA TASKS LISTED IN AISC 360 TABLE N5.4-3)	SEE AISC 360 TABLE N5.4-3	OBSERVE OR PERFORM AS NOTED
		d. NONI	DESTRUCTIVE TESTING IN ACCORDANCE W/ AWS D1.1		
-		1)	CJP GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV	-	ULTRASONIC TESTING REQUIRED
-		2)	CJP GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	-	ULTRASONIC TESTING REQUIRED ON 10% OF WELI
-		3)	THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL T > 2"	-	
-		4)	WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360 APPENDIX 3	-	
-		5)	FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT	-	
	3.	HIGH STRE	NGTH BOLTING		
-		a. INSPI	ECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM FOR EACH BOLTED FOR MEMBER, THE QA TASKS LISTED IN AISC 360 TABLE N5.6-1)	SEE AISC 360 TABLE N5.6-1	OBSERVE OR PERFORM AS NOTED
-			ECTION TASKS DURING BOLTING (OBSERVE, OR PERFORM FOR EACH BOLTED FOR MEMBER, THE QA TASKS LISTED IN AISC 360 TABLE N5.6-2)	SEE AISC 360 TABLE N5.6-2	OBSERVE OR PERFORM AS NOTED
-			ECTION TASKS AFTER BOLTING (OBSERVE, OR PERFORM FOR EACH BOLTED FOR MEMBER, THE QA TASKS LISTED IN AISC 360 TABLE N5.6-3)	SEE AISC 360 TABLE N5.6-3	OBSERVE OR PERFORM AS NOTED
-	4.		MBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT NECTION COMPLY WITH CONSTRUCTION DOCUMENTS	-	
-	5.		N OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE T IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360 TABLE N6.1	-	OBSERVE OR PERFORM AS NOTED
CONCRI	ETE	CONS	TRUCTION (IBC 1705.3)		
REQUIRED			VERIFICATION OR INSPECTION TASK	EXTENT	REMARKS
Х	1.	INSPECT RE	EINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	
	2.	REINFORCI	NG BAR WELDING		
-		a. VERIF	Y WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	PERIODIC	
-		b. INSPE	CT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	PERIODIC	
-		c. INSPE	CT ALL OTHER WELDS	CONTINUOUS	
Х	3.	INSPECT AN	NCHORS CAST IN CONCRETE	PERIODIC	
	4.		NCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS		
-			SIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ITATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	
Х			ANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A	PERIODIC	
Х	5.	VERIFY USE	OF REQUIRED DESIGN MIX	PERIODIC	
Х			CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM  AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	
-	7.	INSPECT CO	DNCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	
-	8.	VERIFY MAI	NTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	
	9.	INSPECT PE	RESTRESSED CONCRETE FOR:		
-	•	a. APPLI	CATION OF PRESTRESSING FORCES	CONTINUOUS	
-		b. GROU	TING OF BONDED PRESTRESSING TENDONS	CONTINUOUS	
-	10.	INSPECT EF	RECTION OF PRECAST CONCRETE MEMBERS	PERIODIC	
-			SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	
Х	12.		DRMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE EING FORMED.	PERIODIC	

- 2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE
- ENGINEER OF RECORD FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- 3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR.
  A. SPECIAL INSPECTION REPORTS ARE TO BE KEPT ON THE JOBSITE FOR BUILDING INSPECTOR VERIFICATION.
- B. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.

  C. ALL DISCREPANCIES MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF NOT CORRECTED, DISCREPANCIES MUST BE
- BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE BEFORE COMPLETION OF THAT STAGE OF WORK.
- D. THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR(S) AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL
- E. THE LIST OF SPECIAL INSPECTORS MAY BE SUBMITTED AS A SEPARATE DOCUMENT, IF NOTED SO ABOVE.
- F. SPECIAL INSPECTIONS AS REQUIRED BY IBC SEC. 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SEC. 1704.2.5.2
  G. OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED
- CONNECTION OR STEEL ELEMEN
- H. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. REFER TO AISC 360, N7.

CLIENT:

LIFEWAY FOODS 2101 DELAFIELD ST. WAUKESHA, WI 53188

ENGINEER:



JUSTIN W. CAPP

CE #61393, SE #4813 1003 12th STREET, MODESTO, CA PO BOX 861, 95353 (209) 524-4774 www.justinwcapp.com

# InterTech

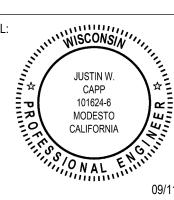
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ENGINEER'S SEAL:



KEY PLAN:

PROJECT NAME:

REFRIGERATION EXPANSION PROJECT

PROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

STATEMENT OF SPECIAL

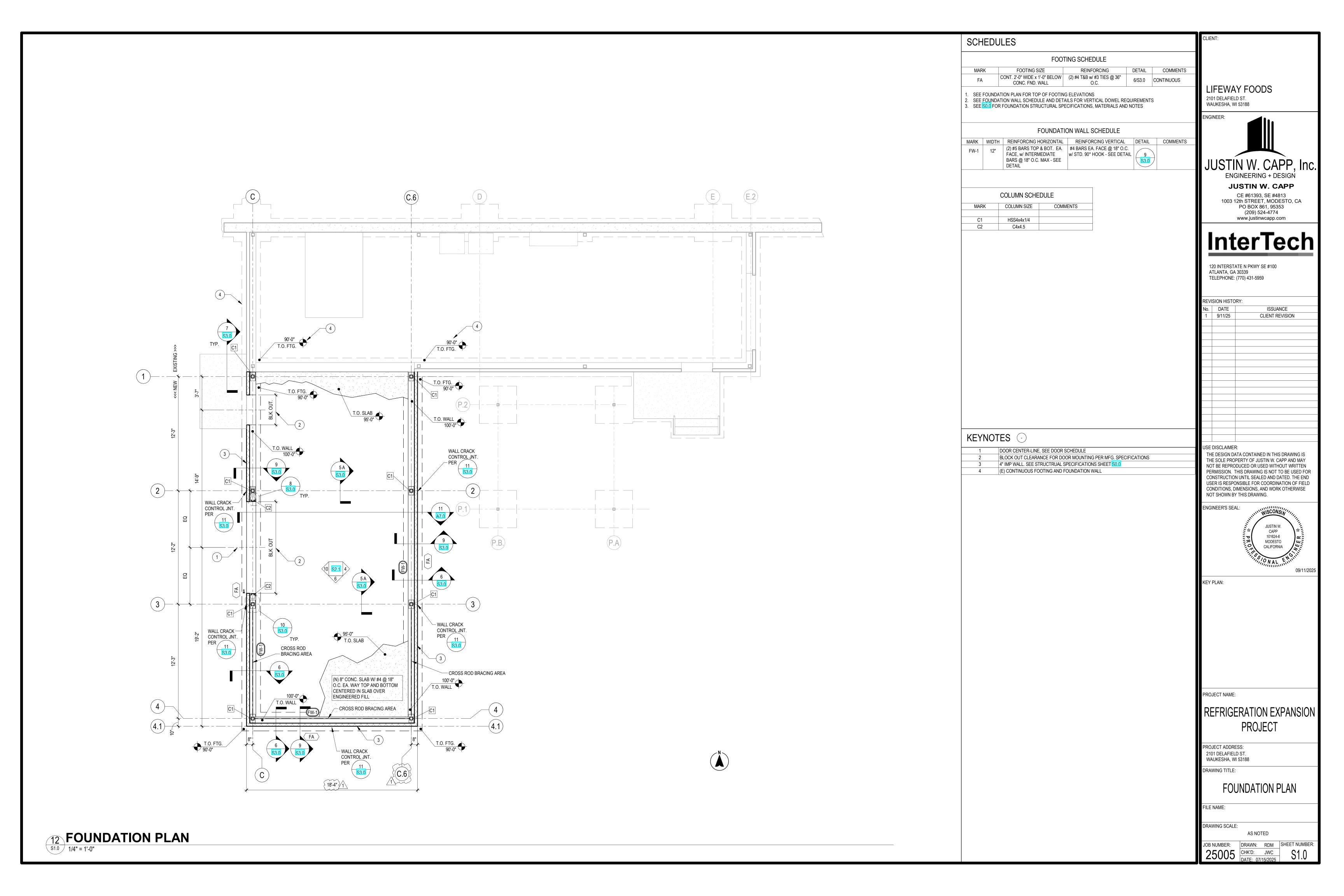
INSPECTIONS
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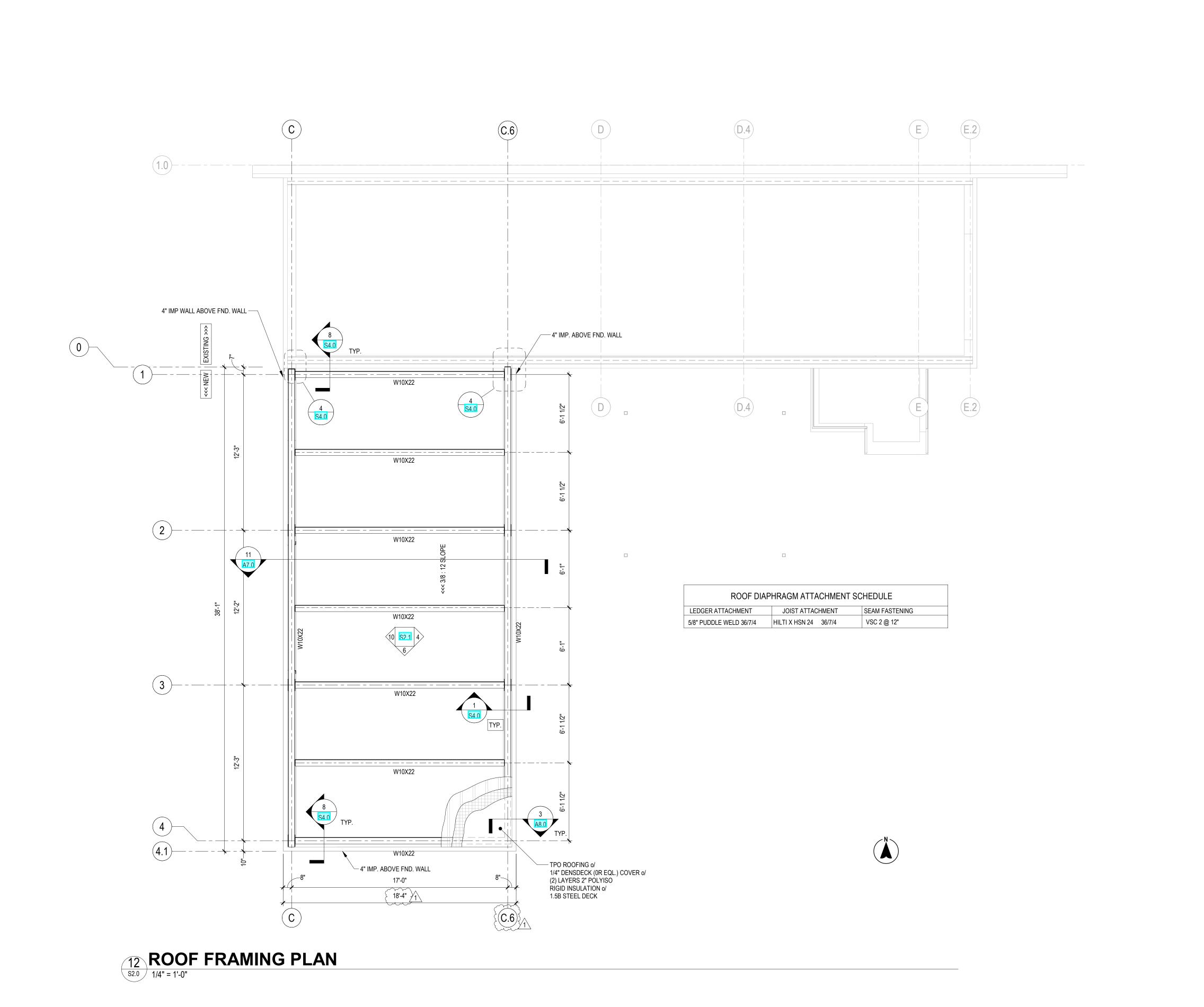
DRAWING SCALE:

ALE: AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER: CHK'D: JWC CO 1

**STATEMENT OF SPECIAL INSPECTIONS** 





LIFEWAY FOODS 2101 DELAFIELD ST. WAUKESHA, WI 53188



### JUSTIN W. CAPP

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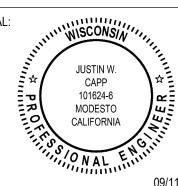
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No.	DATE	ISSUANCE
1	9/11/25	CLIENT REVISION
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ENGINEER'S SEAL:



KEY PLAN:

PROJECT NAME:

## REFRIGERATION EXPANSION PROJECT

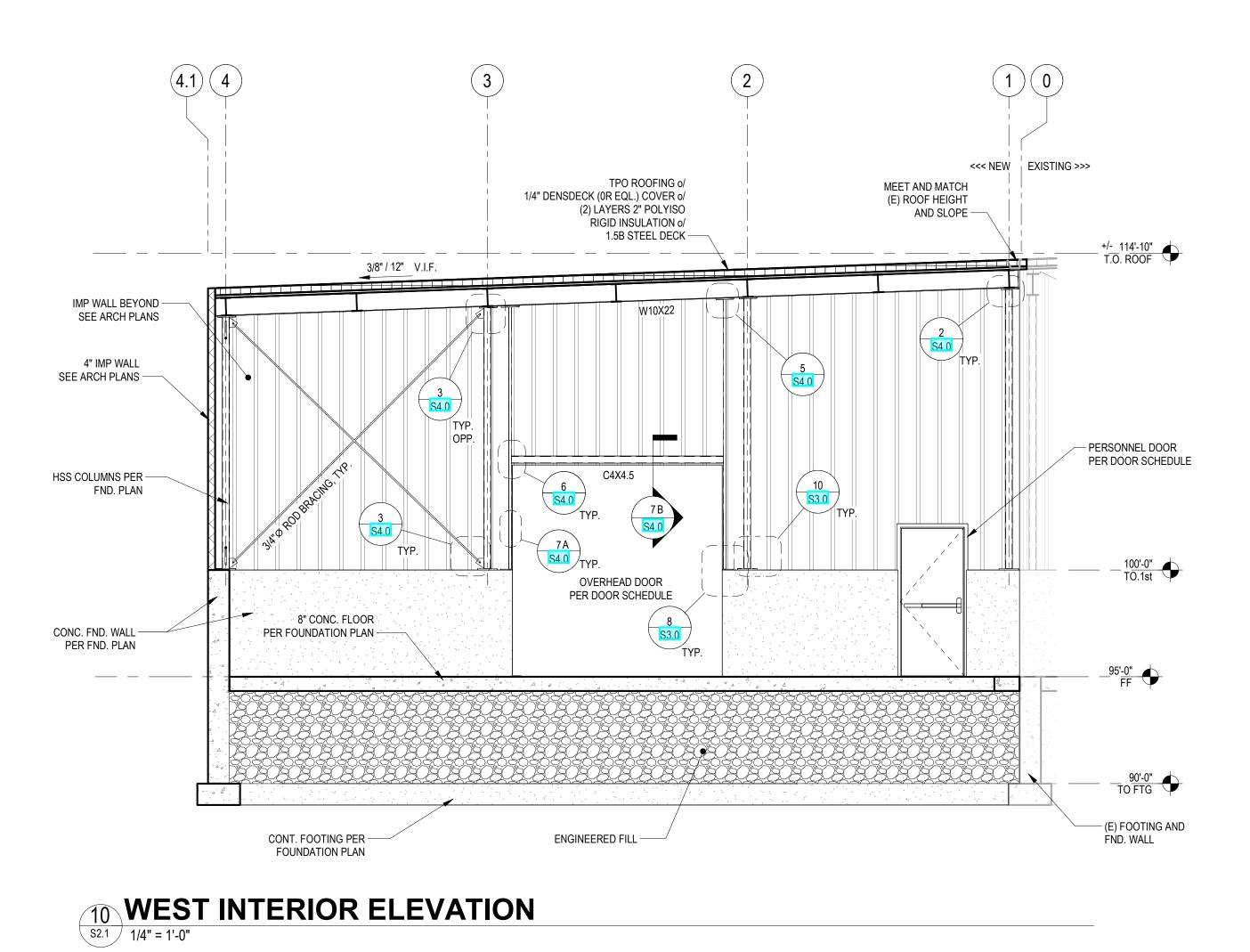
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DRAWING TITLE:

## ROOF FRAMING PLAN

DRAWING SCALE: AS NOTED

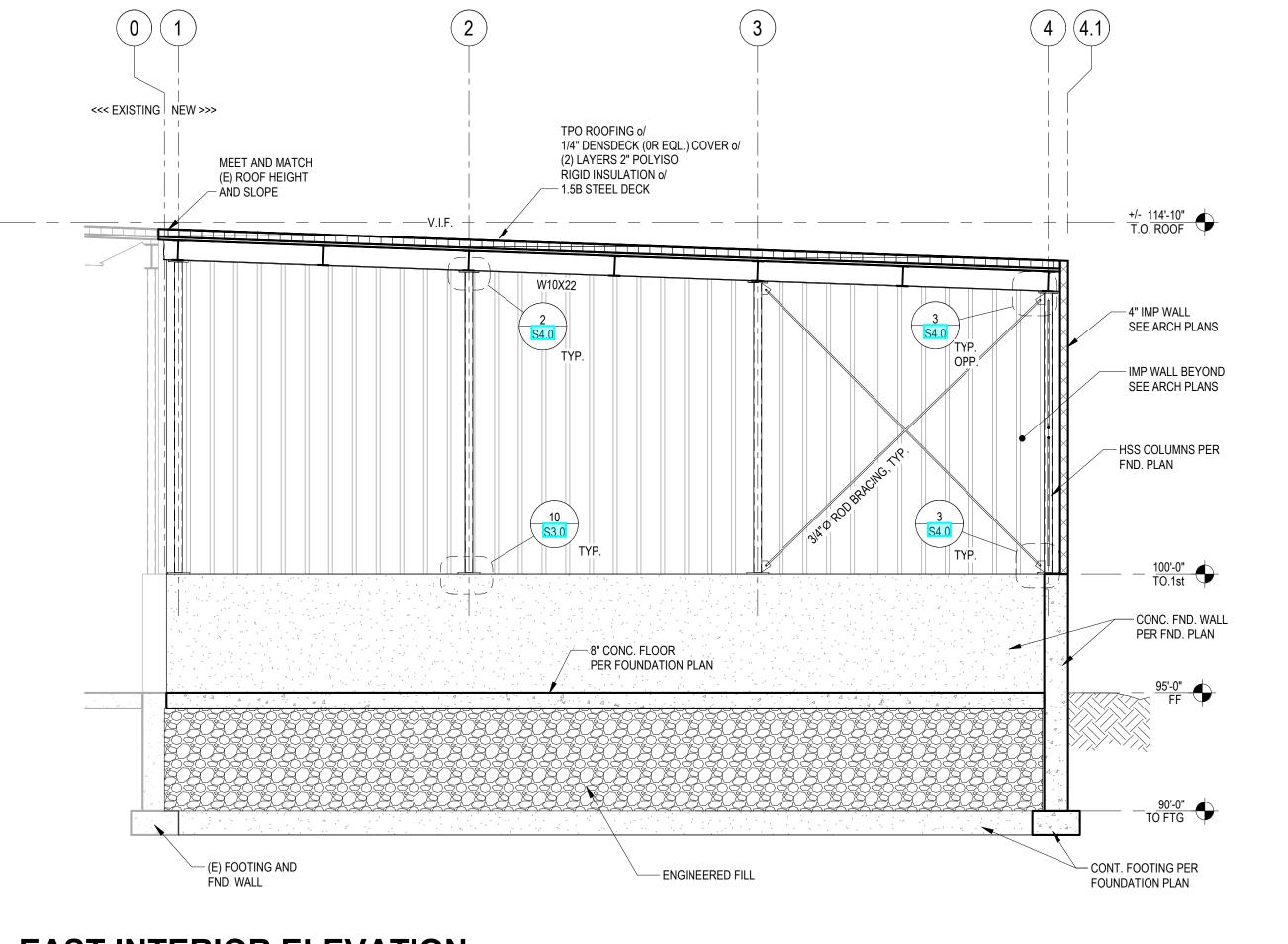
JOB NUMBER: DRAWN: RDM SHEET NUMBER: CHK'D: JWC DATE: 07/15/2025 S2.0

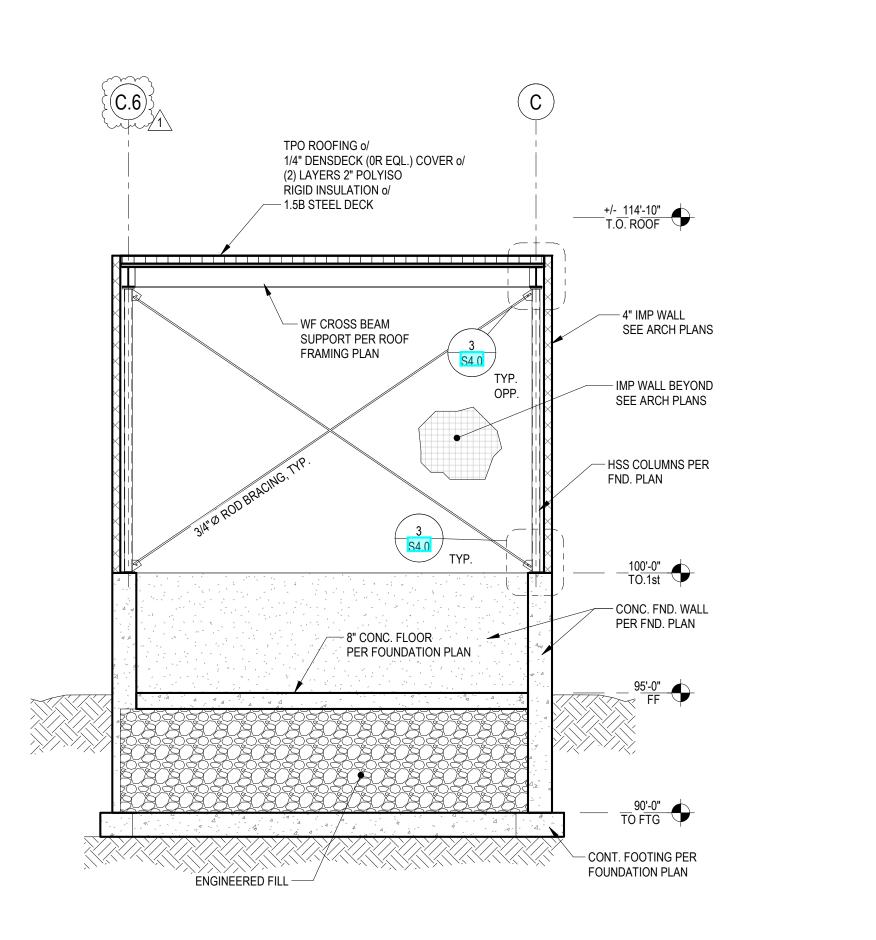


BRACING IS NEEDED, IT SHALL BE INSTALLED.

**EAST INTERIOR ELEVATION** 

OSHA SECTION 1926.775 "COLUMN ANCHORAGE" (A)(1) GENERAL REQUIREMENTS FOR ERECTION STABILITY. ALL COLUMNS SHALL BE ANCHORED BY A MINIMUM OF 4 ANCHOR RODS (ANCHOR (A)(2) EACH COLUMN ANCHOR ROD (ANCHOR BOLT) ASSEMBLY, INCLUDING THE COLUMN-TO-BASE PLATE WELD AND THE COLUMN FOUNDATION, SHALL BE DESIGNED TO RESIST A MINIMUM ECCENTRIC GRAVITY LOAD OF 300 POUNDS (136.2 kg.) LOCATED AT 18" FROM THE EXTREME OUTER FACE OF THE COLUMN IN EACH DIRECTION AT THE TOP OF THE COLUMN SHAFT (A)(3) COLUMNS SHALL BE SET ON LEVEL FINISHED FLOORS, PRE-GROUTED LEVELING PLATES, LEVELING NUTS, OR SHIM PACKS WHICH ARE ADEQUATE TO TRANSFER THE CONSTRUCTION LOADS. (A)(4) ALL COLUMNS SHALL BE EVALUATED BY A COMPETENT PERSON TO DETERMINE WHETHER GUYING OR BRACING IS NEEDED; IF GUYING OR





LIFEWAY FOODS 2101 DELAFIELD ST. WAUKESHA, WI 53188 ENGINEER: JUSTIN W. CAPP, Inc. **ENGINEERING + DESIGN** JUSTIN W. CAPP CE #61393, SE #4813 1003 12th STREET, MODESTO, CA PO BOX 861, 95353 (209) 524-4774 www.justinwcapp.com InterTech 120 INTERSTATE N PKWY SE #100 ATLANTA, GA 30339 TELEPHONE: (770) 431-5959 REVISION HISTORY: DATE ISSUANCE 9/11/25 CLIENT REVISION THE DESIGN DATA CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF JUSTIN W. CAPP AND MAY PERMISSION. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNTIL SEALED AND DATED. THE END USER IS RESPONSIBLE FOR COORDINATION OF FIELD CONDITIONS, DIMENSIONS, AND WORK OTHERWISE NOT SHOWN BY THIS DRAWING. ENGINEER'S SEAL: MODESTO CALIFORNIA KEY PLAN: PROJECT NAME: REFRIGERATION EXPANSION **PROJECT** 

PROJECT ADDRESS:

2101 DELAFIELD ST. WAUKESHA, WI 53188 DRAWING TITLE:

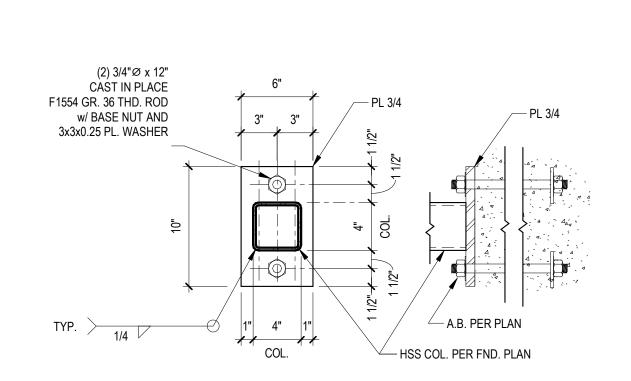
> STRUCTURAL FRAMING **ELEVATIONS**

FILE NAME:

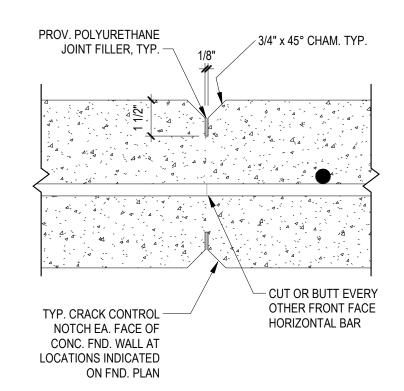
DRAWING SCALE: AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER: 25005 CHK'D: JWC DATE: 07/15/2025

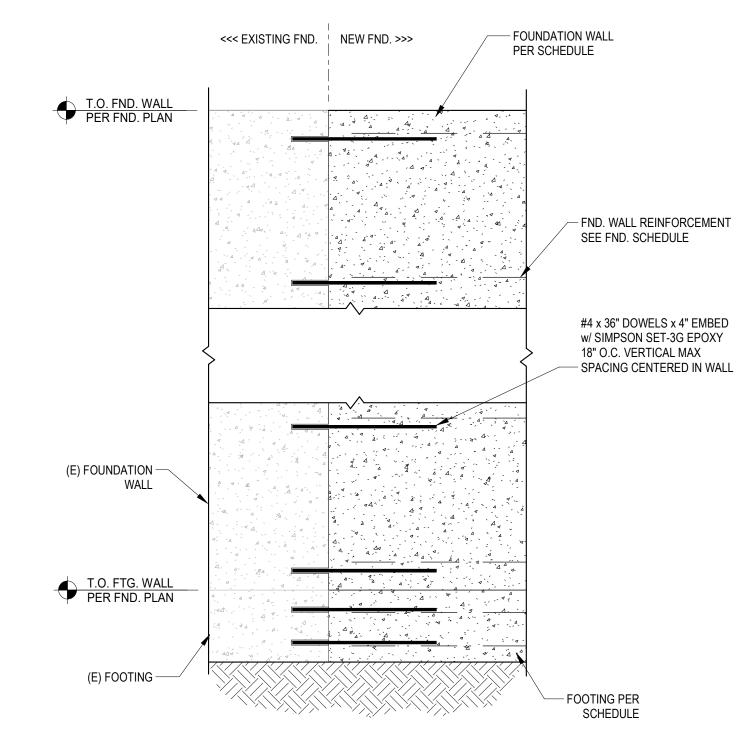
SOUTH INTERIOR ELEVATION



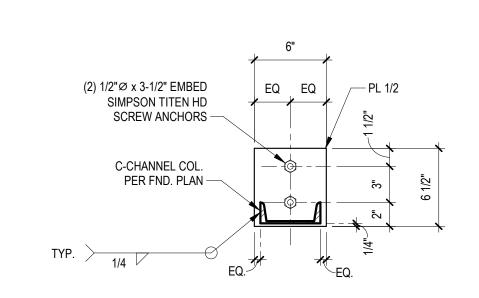
# BASE w/ 4x4 COL. DETAIL



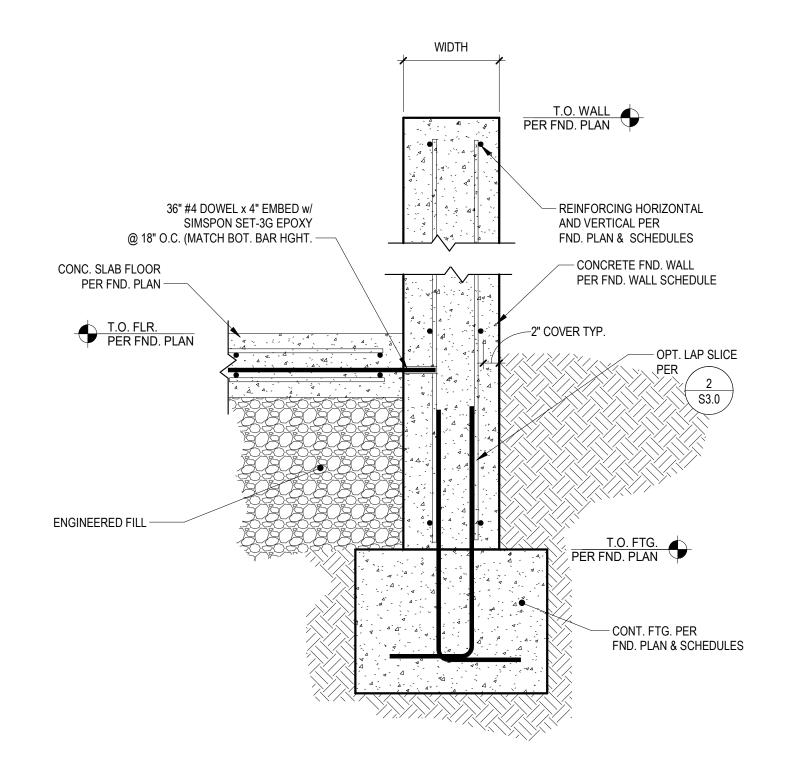
CONC. FND. WALL JOINT DETAIL



# NEW FND. TO EXISTING FND. DETAIL

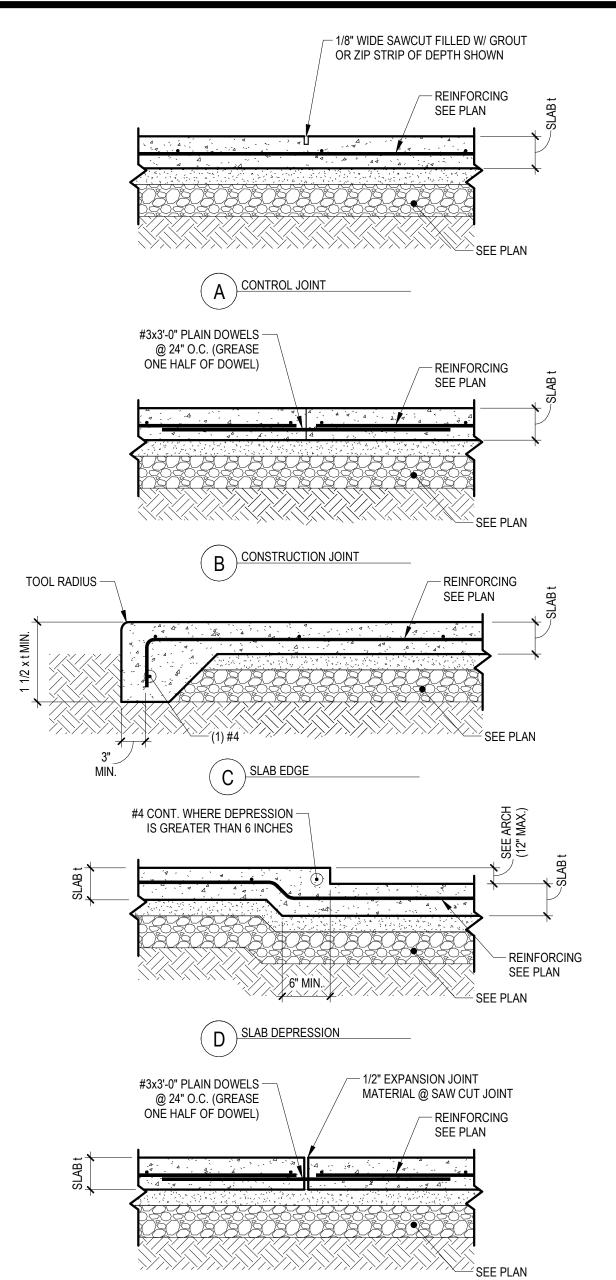


BASE w/ C5 COL. DETAIL

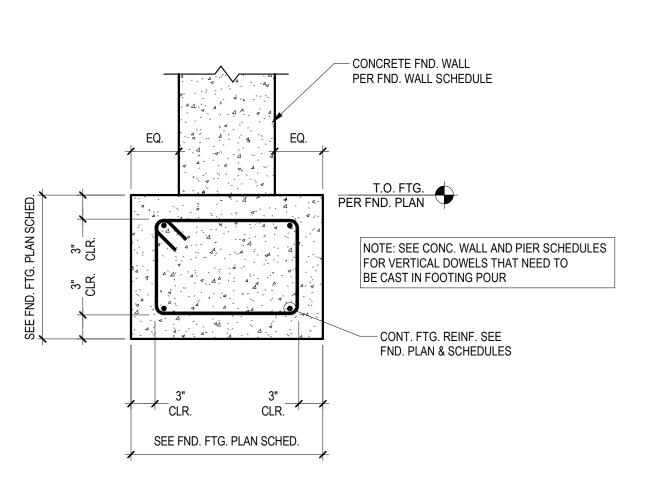


FOUNDATION WALL DETAIL

CONTINUOUS FOOTING DETAIL



# 5 SLAB DETAILS | 53.0 | 1" = 1'-0"



E EXPANSION JOINT

FUUII	IAIL	

RI	REINFORCING STEEL BARS				HOOK DE	/ELOPMEN	T LENGTH		
A.S.T.M. A615/	A706 CHART FO	R REINFORCING	G STEEL BARS	BAR SIZE	НООК	HOOK DEVELOPMENT LENGTH, ℓdh, INCH5			
				DAITOILL	3000 psi	4000 psi	5000 psi	6000 psi	
		NOMINAL D	IMENSIONS	#3	9	8	7	6	
BAR SIZE	NOMINAL	DIAMETER	CROSS	#4	11	10	9	8	
DESIGNATION   WEIGHT (lb./ft.)	(INCHES)   SECT	SECTIONAL AREA (IN <sup>2</sup> )	#5	14	12	11	10		
#2	0.276	0.275	· ,	#6	17	15	13	12	
#3	0.376	0.375	0.11	#7	20	17	15	14	
#4	0.668	0.500	0.20	#8	22	19	17	16	
#5	1.043	0.625	0.31	#0		19	17	10	

	BAR	DE DESCRIPTIONS DE		VELOPMENT LENGTH, ℓd, INCH5		
SPACING & COVER	SIZE	BAR POSITION <sup>3</sup>	3000 psi	4000 psi	5000 psi	6000 psi
	No 2	TOP BAR	22	19	17	16
	No. 3	OTHER CASES	17	15	13	12
	No. 4	TOP BAR	29	25	23	21
	NO. 4	OTHER CASES	22	19	17	16
OLEAD ODAOINO OD OLEAD OOVED OE	No E	TOP BAR	36	31	28	26
CLEAR SPACING OR CLEAR COVER OF DEVELOPED OR LAP SPLICED BARS SHALL	No. 5	OTHER CASES	28	24	22	20
BE GREATER THAN OR EQUAL TO db	No. 6	TOP BAR	43	37	34	31
DE GIVERTIER THAN ON EQUAL TO U	INO. O	OTHER CASES	33	29	26	24
	No. 7	TOP BAR	63	54	49	36
		OTHER CASES	48	42	38	28
	No. 8	TOP BAR	72	62	56	41
		OTHER CASES	55	48	43	31
	No. 2	TOP BAR	33	28	25	23
	No. 3	OTHER CASES	25	22	20	18
	No. 4	TOP BAR	43	37	34	31
	110. 4	OTHER CASES	33	29	26	24
	No. 5	TOP BAR	54	47	42	38
OTHER CASES	110. 5	OTHER CASES	42	36	32	30
OTHER CASES	No. 6	TOP BAR	65	56	50	46
	INO. O	OTHER CASES	50	43	39	35
	No. 7	TOP BAR	94	81	73	67
	INU. 1	OTHER CASES	72	63	56	51
	No. 8	TOP BAR	107	93	83	76
	INU. O	OTHER CASES	83	72	64	59

LAP SPLICE LENGTH (	s (GRADE	60 UNCOATED	IN NORMA	L WEIGHT (	CONCRETE	)		
CDACING & COVED	BAR	DAD DOCITIONS	LA	LAP SPLICE LENGTH, ℓs, INCH5				
SPACING & COVER	SIZE	BAR POSITION <sup>3</sup>	3000 psi	4000 psi	5000 psi	6000 psi		
	No. 2	TOP BAR	29	25	23	21		
I	No. 3	OTHER CASES	23	20	17	16		
l	No. 4	TOP BAR	38	33	30	28		
l	INO. 4	OTHER CASES	29	25	23	21		
CLEAR CRACING OR OLEAR COVER OF	No. 5	TOP BAR	47	41	37	34		
CLEAR SPACING OR CLEAR COVER OF DEVELOPED OR LAP SPLICED BARS SHALL	NO. 5	OTHER CASES	37	32	29	26		
BE GREATER THAN OR EQUAL TO db	No. 6	TOP BAR	56	49	45	41		
DE OREMEN TIME OR EQUIL TO GO	NO. 0	OTHER CASES	43	38	34	32		
l	No. 7	TOP BAR	82	71	64	47		
I	No. 7	OTHER CASES	63	55	50	37		
I	No 9	TOP BAR	94	81	73	54		
	No. 8	OTHER CASES	72	63	56	41		
	No. 3	TOP BAR	43	37	33	30		
I	INU. J	OTHER CASES	33	29	26	24		
I	No. 4	TOP BAR	56	49	45	41		
l	No. 4	OTHER CASES	43	38	34	32		
l	No. 5	TOP BAR	71	62	55	50		
OTHER CASES	NO. 5	OTHER CASES	55	47	42	39		
UTITER CASES	No. 6	TOP BAR	85	73	65	60		
I	NO. 0	OTHER CASES	65	56	51	46		
	No. 7	TOP BAR	123	106	95	88		
I	NO. 1	OTHER CASES	94	82	73	67		
	No. 8	TOP BAR	140	121	108	99		
l I	NO. o	OTHER CASES	108	94	84	77		

## REBAR NOTES: 1. SCHEDULED SPLICE VALUES ARE BASED ON A.C.I. 318-14, CLASS B REQUIREMENTS.

- 2. THE MINIMUM DEVELOPMENT AND SPLICE LENGTHS SHOWN HERE SHALL BE USED FOR ALL REINFORCING UON
- 3. TOP BAR IS WHERE THE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH OR SPLICE.
- 4. ALL WALL HORIZONTAL REINFORCEMENT ARE CONSIDERED TOP BARS
- 5. CLEAR SPACING OF BARS OR WIRES BEING DEVELOPED OR SPLICED NOT LESS THAN db, CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGHOUT Id NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS OR WIRES BEING
- DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db. 6. FOR EPOXY COATED BARS WITH COVER LESS THAN 3db OR CLEAR SPACING LESS THAN 6db.

## REBAR SPECIFICATIONS & NOTES S3.0 / 1" = 1'-0"

	STANDARD HOOK	GEOMETRY FOR DEVE	LOPMENT OF DEFORM	ED BARS IN TENSION	
TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER (IN)	STRAIGHT EXTENSION* L <sub>EXT</sub> (IN)	TYPE OF STANDARD HOOK	
	No. 3 THROUGH No. 8	6d <sub>b</sub>	POINT AT —	POINT AT Gb 90° BEN	
90- DEGREE HOOK	No. 9 THROUGH No. 11	8d₀	12d₀	DEVELOPED DIAMETER	
	No. 14 AND No. 18	10d₀		DIRMIN LDH	
	No. 3 THROUGH No. 8	6d <sub>b</sub>		POINT AT	
180- DEGREE HOOK	No. 9 THROUGH No. 11	8d₀	<b>1</b>	DEVELOPED 180° BE	
	No. 14 AND No. 18	10d₀		L <sub>EXT</sub> L <sub>DH</sub>	

MINIMUM	INSIDE BEND DIAME	ETERS AND STANDARD	HOOK GEOMETRY FOI	R STIRRUPS, TIES, AND HOOPS
TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER (IN)	STRAIGHT EXTENSION* L <sub>EXT</sub> (IN)	TYPE OF STANDARD HOOK
90- DEGREE	No. 3 THROUGH No. 5	4d <sub>b</sub>	GREATER OF 6d <sub>b</sub> AND 3 IN.	√ d <sub>b</sub> 90° BEND
HOOK	No. 6 THROUGH No. 8	6d <sub>b</sub>	12d₀	DIMETER
135- DEGREE	No. 3 THROUGH No. 5	4d <sub>b</sub>	GREATER OF	135° BEND
HOOK	No. 6 THROUGH No. 8	6d <sub>b</sub>	6d <sub>b</sub> AND 3 IN.	DIAMETER
180- DEGREE	No. 3 THROUGH No. 5	4d₀	GREATER OF	180° BEND
HOOK	No. 6 THROUGH No. 8	6d <sub>b</sub>	4d₀ AND 2.5 IN.	DIAMETER 180° BEND

\* A STANDARD HOOK FOR DEFORMED BARS INCLUDES THE SPECIFIC INSIDE BEND DIAMETER AND STRAIGHT EXTENSION LENGTH. IT SHALL BE PERMITTED TO USE A LONGER STRAIGHT EXTENSION AT THE END OF A HOOK. A LONGER EXTENSION SHALL NOT BE CONSIDERED TO INCREASE THE ANCHORAGE CAPACITY OF THE HOOK

## **REBAR HOOK & TIE DETAIL** S3.0 1/2" = 1'-0"

LIFEWAY FOODS 2101 DELAFIELD ST. WAUKESHA, WI 53188



**JUSTIN W. CAPP** 

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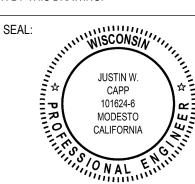
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ENGINEER'S SEAL:



KEY PLAN:

PROJECT NAME:

## REFRIGERATION EXPANSION PROJECT

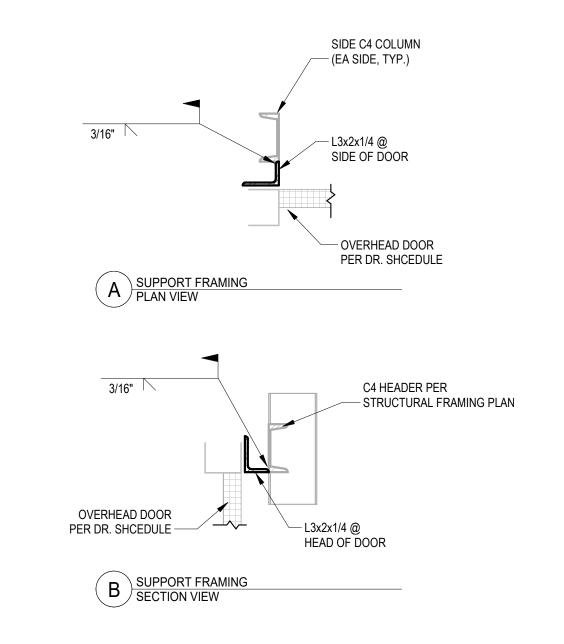
PROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188 DRAWING TITLE:

FOUNDATION DETAILS

ILE NAME: DRAWING SCALE:

AS NOTED

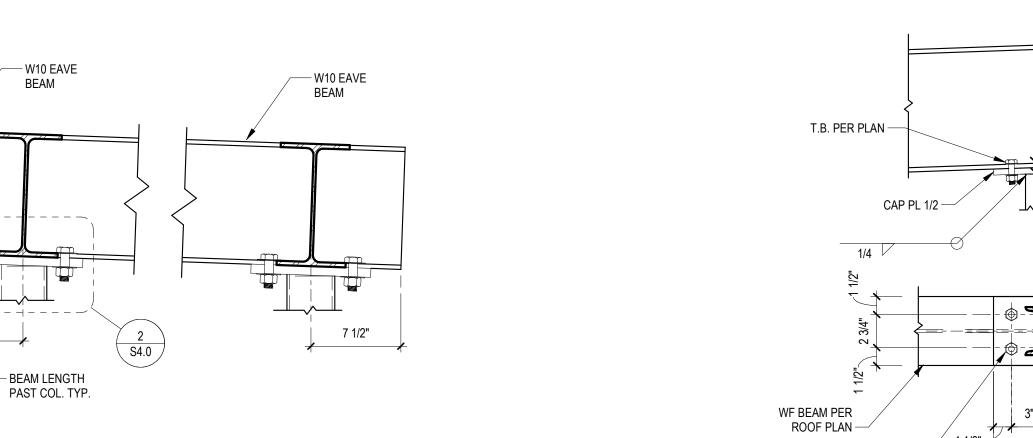
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DATE: 07/15/2025

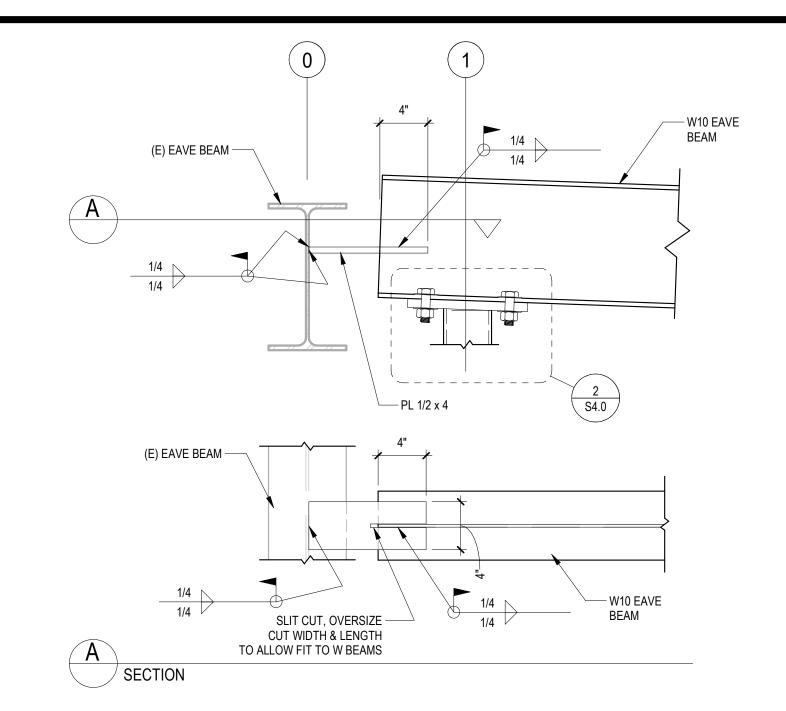




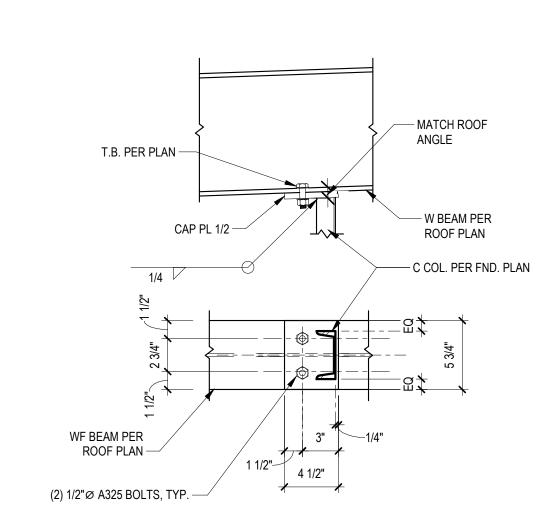
7 1/2"

**EAVE BEAM ELEV.** 

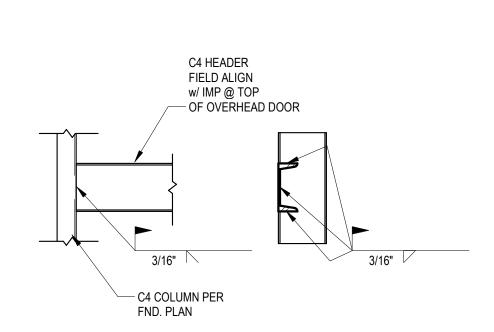




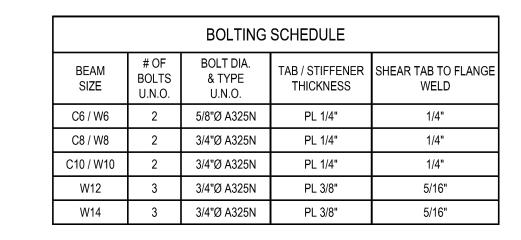
4	W BEAM	(E) TO	W BEAM (	(N)	<b>DETAIL</b>
S4.0	1 1/2" = 1'-0"				

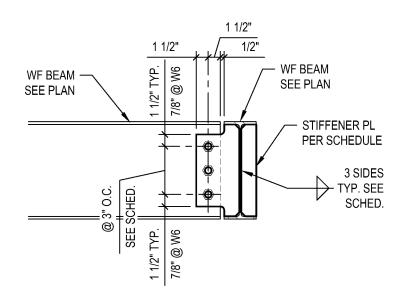




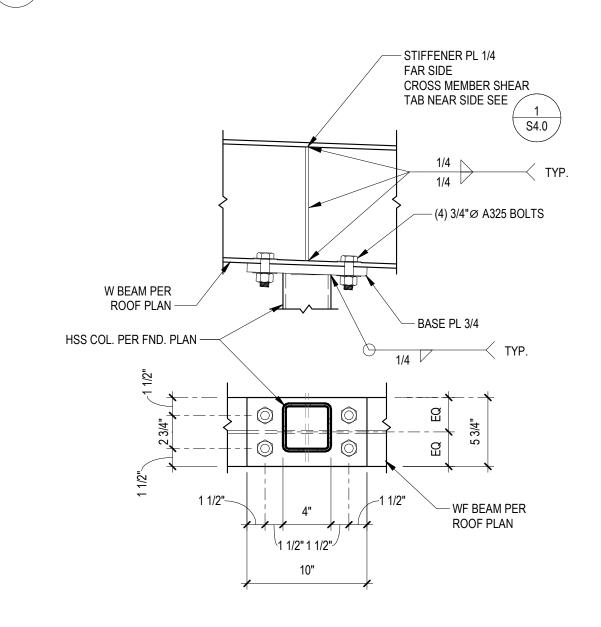


6 C4 HEADER DETAIL

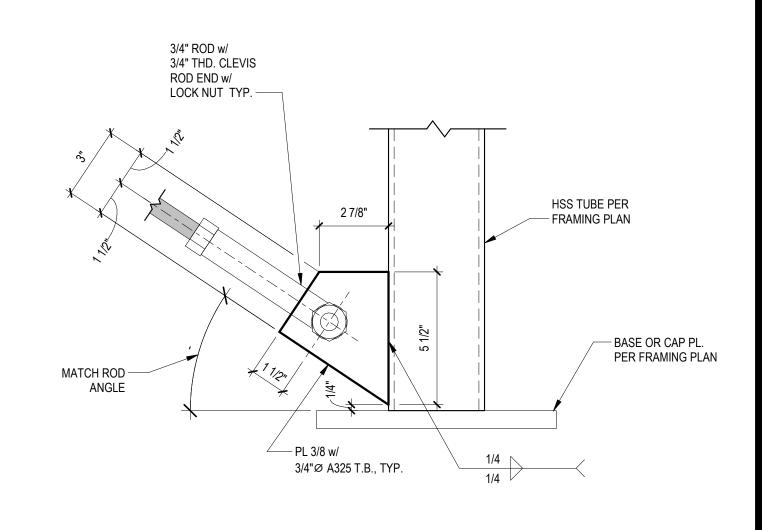




# WF BEAM TO WF BEAM SHEAR TAB



2 WF BEAM TO HSS COL. CAP 1 1/2" = 1'-0"



ROD BRACING SHEAR TAB DETAIL

3 3" = 1'-0"

LIFEWAY FOODS
2101 DELAFIELD ST.
WAUKESHA, WI 53188

ENGINEER:



JUSTIN W. CAPP

CE #61393, SE #4813

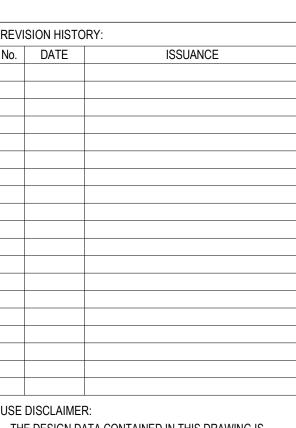
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ENGINEER'S SEAL:

JUSTIN W.
CAPP

101624-6

MODESTO
CALIFORNIA

09/11/2025

KEY PLAN:

PROJECT NAME:

# REFRIGERATION EXPANSION PROJECT

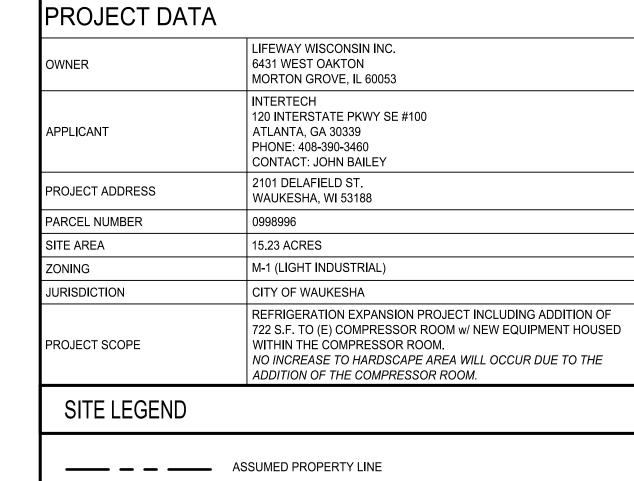
PROJECT ADDRESS: 2101 DELAFIELD ST. WAUKESHA, WI 53188

FRAMING DETAILS

FILE NAME:

DRAWING SCALE:
AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER: CHK'D: JWC DATE: 07/15/2025 S4.0

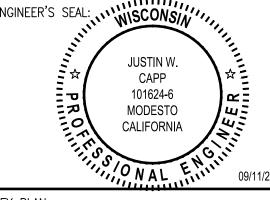


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IN PROJECT SCOPE KEY PLAN

PROJECT NAME:

REFRIGERATION EXPANSION PROJECT

DRAWING TITLE:

SITE PLAN

25005\_XREF\_JWC-TB 24X36.DWG

AS NOTED

JOB NUMBER: DRAWN: RDM SHEET NUMBER: CHK'D: JWC SP1.0

DATE: 7/15/25

