

**GENERAL NOTES:**

- A. STORAGE CAPACITY SIGNS**
- PER RMI 1.4.2, ONE OR MORE PLAQUES WILL BE PLACED CONSPICUOUSLY IN CLEAR AND LEGIBLE MANNER TO IDENTIFY EACH DIFFERENT RACK CONFIGURATION.
  - EACH PLAQUE TO BE A MINIMUM OF 50 SQUARE INCHES. IT IS THE OWNERS RESPONSIBILITY TO ENSURE THE RACK SYSTEM IS NOT ALTERED SO THAT THE PLAQUE INFORMATION IS INVALIDATED.
  - EACH PLAQUE TO DISPLAY:
    - THE MAXIMUM PERMISSIBLE LOAD AND/OR THE MAXIMUM DISTRIBUTED LOAD PER LEVEL
    - THE AVERAGE LOAD IF APPLICABLE AND
    - MAXIMUM TOTAL LOAD PER BAY.

- B. ANCHORING/HARDWARE**
- PER IBC, SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION OF ANCHOR BOLTS.
  - ANCHOR SIZE, PLACEMENT, AND EMBEDMENT SPECIFIED BY A LICENSED PROFESSIONAL STRUCTURAL ENGINEER.
  - PER IBC, PERIODIC SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION OF CONCRETE ANCHOR BOLTS OF STORAGE RACKS 8 FEET OR GREATER FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORIES D, E, OR F.
  - HARDWARE OTHER THAN ANCHORS TO BE SPECIFIED BY A LICENSED PROFESSIONAL STRUCTURAL ENGINEER.

- D. MAINTENANCE**
- THE OWNER SHALL MAINTAIN THE STRUCTURAL INTEGRITY OF THE RACK SYSTEM BY ASSURING PROPER OPERATIONAL, HOUSEKEEPING, AND MAINTENANCE PROCEDURES, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
    - PROHIBIT ANY OVER LOADING OF ANY PALLET POSITIONS AND OF THE OVERALL RACK SYSTEM
    - REGULAR INSPECTIONS FOR DAMAGE. IF DAMAGED COLUMNS OR BEAMS ARE FOUND, IMMEDIATELY UNLOAD THE AFFECTED AREA AND REPLACE OR REPAIR ANY DAMAGED COLUMNS, BEAMS, OR OTHER STRUCTURAL COMPONENTS.
    - REQUIRE ALL PALLETS BE MAINTAINED IN GOOD, SAFE OPERATING CONDITION.
    - ENSURE THAT PALLETS ARE PROPERLY PLACED ONTO PALLET LOAD SUPPORT MEMBERS IN STACKED AND STABLE POSITIONS.
    - ALL GOODS STORED ON EACH PALLET ARE STACKED AND IN STABLE POSITIONS.
    - ENSURE THAT THE RACKS ARE NOT MODIFIED OR REARRANGED IN A MANNER NOT WITHIN THE ORIGINAL DESIGN CONFIGURATIONS.
    - IF CONFIGURATION CHANGES ARE REQUIRED, NEW STRUCTURAL ANALYSIS MUST BE PERFORMED TO ENSURE PROPER LOADING.
    - THE MAXIMUM TOP TO BOTTOM OUT-OF-PLUMB RATIO AND OUT-OF-STRAIGHT RATIO PER RACK COLUMN IS 1/240 (FOR EXAMPLE 1/2" PER 10 FEET OF HEIGHT). COLUMNS WHOSE OUT-OF-PLUMB RATIO OR OUT-OF-STRAIGHT RATIO EXCEEDS THIS LIMIT SHOULD BE UNLOADED AND RE-PLUMBED. ANY DAMAGES PARTS MUST BE REPAIRED OR REPLACED.

- E. CONFIGURATION CHANGES**
- THIS SET OF DRAWINGS SHOWS ALL THE PERMISSIBLE CONFIGURATIONS OF THESE COMPONENTS PER THIS PERMITTED DRAWING SET. OTHER CONFIGURATIONS MAY BE PERMITTED UPON REVIEW OF THE ENGINEER OF RECORD FOR THIS PROJECT AND REVISIONS TO THE DRAWING ACCORDINGLY.
  - ANY CHANGES TO THE CONFIGURATION OF THE RACK SYSTEM COMPONENTS INCLUDING RELOCATION OR REMOVAL OF THE SHELF BEAM OR ANY OTHER COMPONENTS WITHOUT PERMISSION IS NOT PERMITTED

# REM STAR KARDEX UNITS

## TENANT IMPROVEMENT FOR: RED DOT CORPORATION

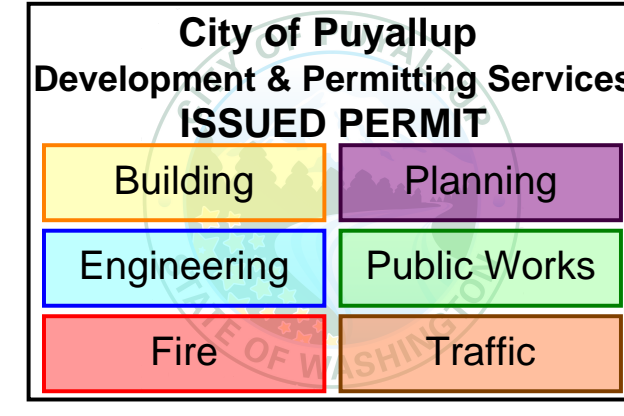
### RED DOT CORPORATION

2504 EAST MAIN  
PUYALLUP, WA 98372

**PROJECT OVERVIEW / GENERAL NOTES:**

PROPOSED SCOPE OF WORK IS THE INSTALLATION OF KARDEX REMSTAR UNITS FOR TENANT RED DOT CORPORATION.

**FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")**



PROJECT/SITE INFORMATION	
ASSESSORS PARCEL NUMBER	2623049094
TYPE OF CONSTRUCTION	III-B
NUMBER OF STORIES	1
OCCUPANCY	F-1 AND S1
FIRE SPRINKLERED BUILDING AREA	YES
WAREHOUSE SQ. FT.	200,000
OFFICE SQ. FT.	188,000
SCOPE SQ. FT.	8,500
	350

Separate Permit Required for Fire Sprinklers

SHEET INDEX	
SHEET #	SHEET DESCRIPTION
SS1	TITLE SHEET
SS2	SITE PLAN
SS3	FLOOR PLAN
SS4	EGRESS PLAN
SS5	SPRINKLER PLANS 1
SS6	SPRINKLER PLANS 2
SS7	STRUCTURAL DETAIL

PROJECT TEAM	
<b>PROPERTY OWNER</b>	IDIL PUYALLUP AARON SCHERER 840 APOLLO ST, SUITE 343 EL SEGUNDO, CA 657-327-2441 AARON.SCHERER@IDILOGISTICS.COM
<b>CLIENT</b>	RED DOT CORPORATION 2504 EAST MAIN PUYALLUP, WA 98372 206-575-3840
<b>CONTACTOR:</b>	RAYMOND WEST 6607 287TH ST. AUBURN, WA 98001 PHONE: 1.888.820.8811
<b>ENGINEER:</b>	STRUCTURAL ENGINEERING & DESIGN INC. 1815 WRIGHT AVE. LA VERNE, CA 91750 909.596.1351

APPLICABLE CODES	
2018 INTERNATIONAL BUILDING CODE	
2018 INTERNATIONAL FIRE CODE	

DEFERRED SUBMITTALS	

**RAYMOND WEST**  
INTRALOGISTICS SOLUTIONS

https://raymondwest.com

SEATTLE, WA  
6607 287TH ST.  
AUBURN, WA 98001  
PHONE: 1.888.820.8811

REV. NO.	DESCRIPTION	DATE	BY
01	INITIAL RELEASE	06/09/2023	JON TOSKI

PRCTI20230997

**RED DOT CORPORATION**  
2504 EAST MAIN  
PUYALLUP, WA 98372

SHEET NAME:  
**TITLE SHEET**

STRUCTURAL STAMP

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DATE:	06/09/2023
SCALE:	X" = 1'-0"
DRAWN BY:	J.TOSTANOSKI
PROJECT #:	100768486
SHEET NUMBER:	SS1
REV:	0



REV. NO.	DESCRIPTION	REV. DATE	REV. BY
1	INITIAL RELEASE	06/09/2023	JON TOSKI

CUSTOMER: **RED DOT CORPORATION**  
**2504 EAST MAIN**  
**PUYALLUP, WA 98372**

PRCTI20230997

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

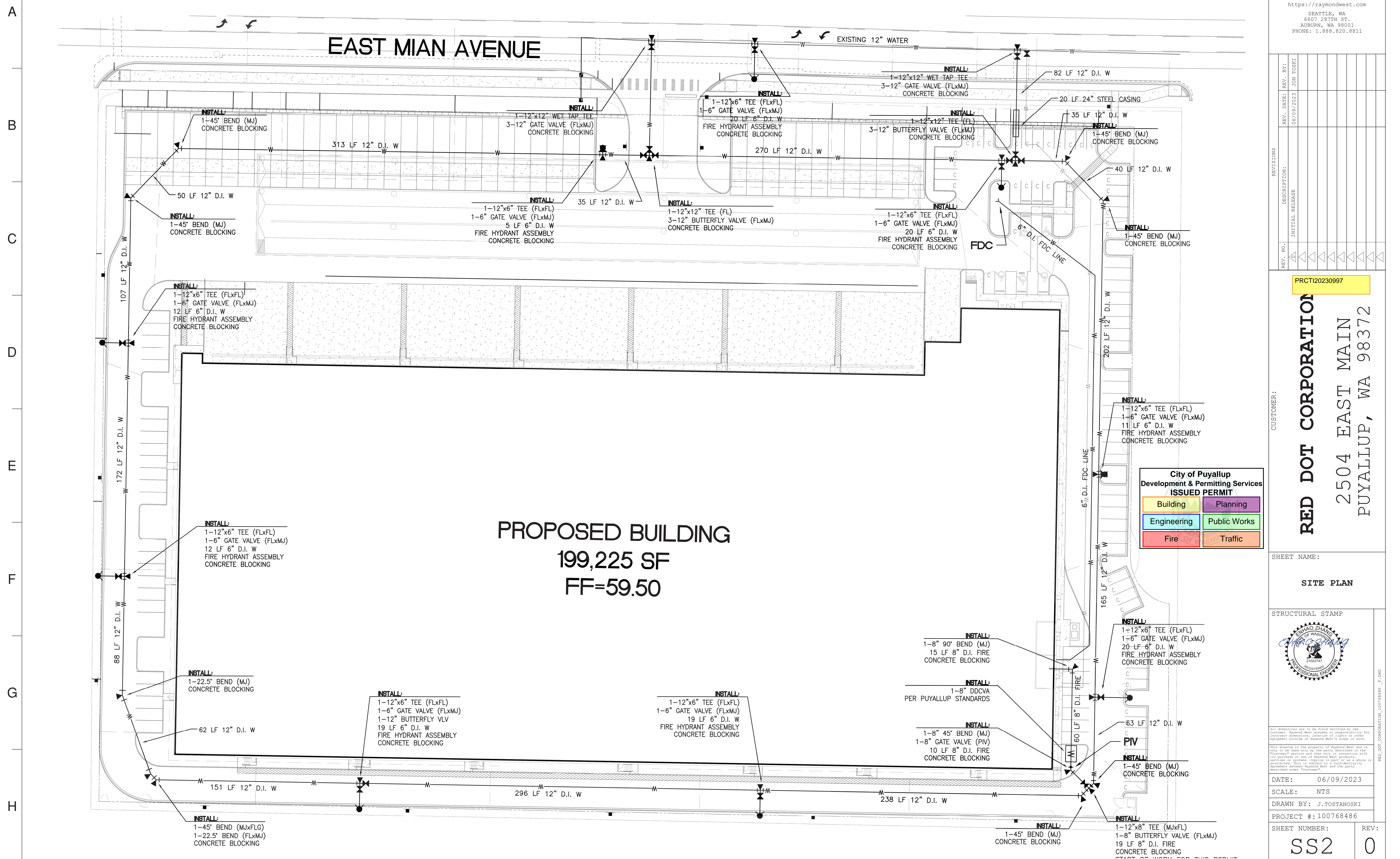
SHEET NAME: **SITE PLAN**

STRUCTURAL STAMP

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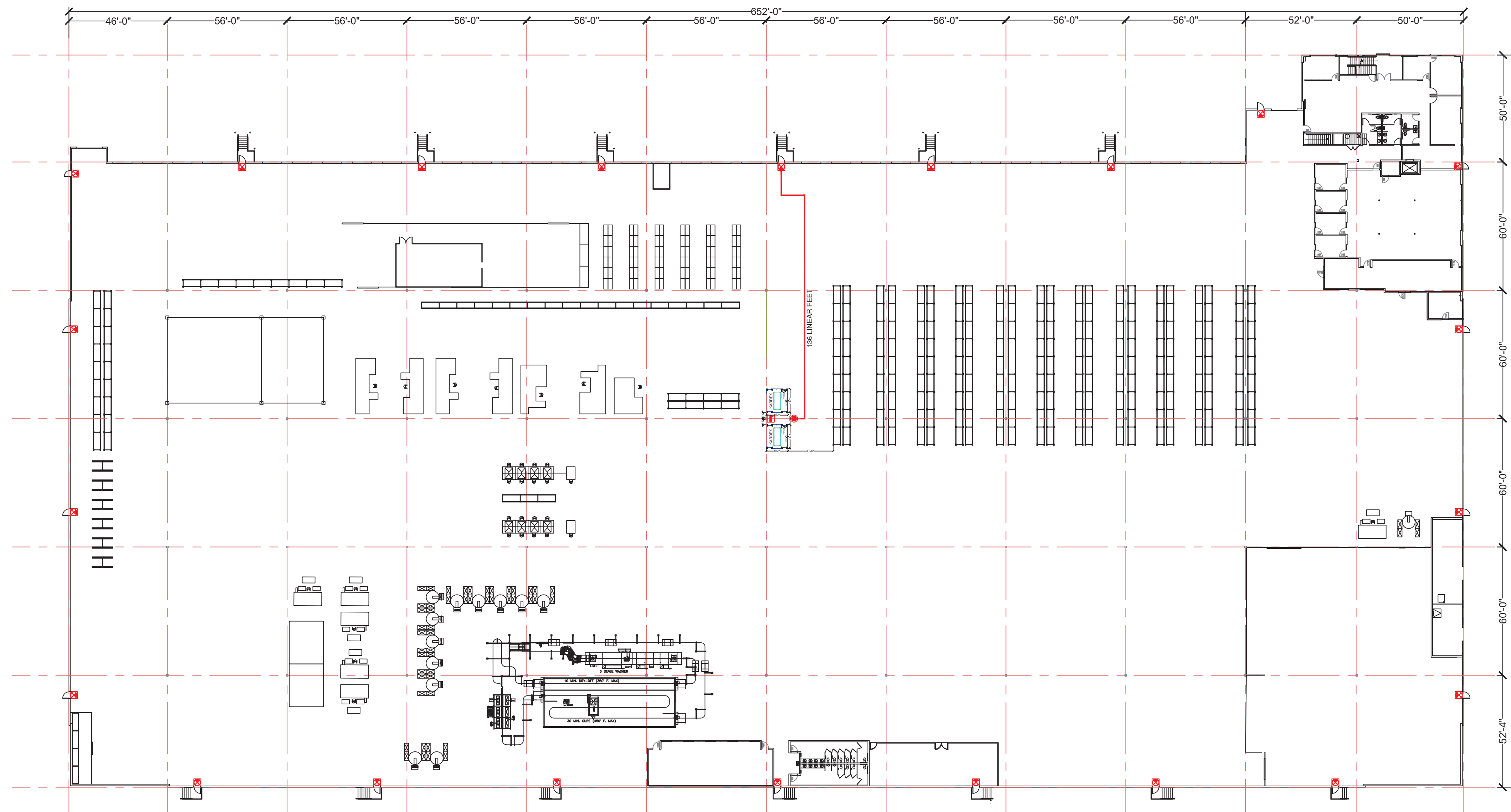
DATE:	06/09/2023
SCALE:	NTS
DRAWN BY:	J. TOSTANOSKI
PROJECT #:	100768486
SHEET NUMBER:	SS2
REV:	0



**PROPOSED BUILDING**  
**199,225 SF**  
**FF=59.50**



4 EGRESS PLAN  
Scale: 1/32"=1'



NOTES:

1. THE COMMON PATH OF EGRESS TRAVEL DISTANCE NOT TO EXCEED IBC TABLE 1006.2.1
2. THE EXIT ACCESS TRAVEL DISTANCE, MEASURED FROM THE MOST REMOTE POINT TO AN EXIT, NOT TO EXCEED THE ALLOWABLE PER CBC TABLE 1017.2
3. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED IN ACCORDANCE WITH SECTION 1013.3
4. THE MAXIMUM OUT OF PLUMBNESS SHALL BE 0.5 INCHES PER 10 FT. OF HEIGHT.

LEGEND	
	Exit Sign
	Fire Extinguisher
	Point of Origin
	Egress Path

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

**RAYMOND WEST**  
INTRALOGISTICS SOLUTIONS

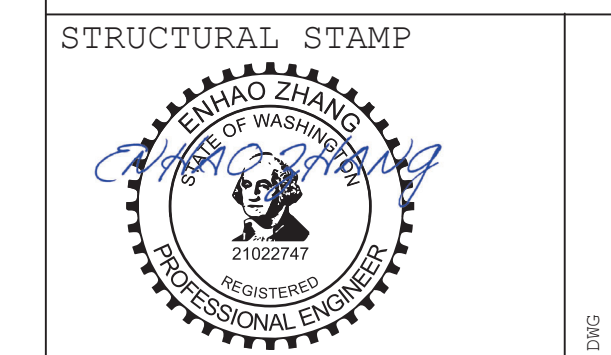
https://raymondwest.com  
SEATTLE, WA  
6607 287TH ST.  
AUBURN, WA 98001  
PHONE: 1.888.820.8811

REV. NO.	DESCRIPTION	REV. DATE	REV. BY
1	INITIAL RELEASE	06/09/2023	JON TOSKI

PRCT120230997

CUSTOMER:  
**RED DOT CORPORATION**  
2504 EAST MAIN  
PUYALLUP, WA 98372

SHEET NAME:  
**EGRESS PLAN**



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DATE: 06/09/2023  
SCALE: 1/32" = 1'-0"  
DRAWN BY: J.TOSTANOSKI  
PROJECT #: 100768486

SHEET NUMBER: **SS4**  
REV: **0**

Separate permit is required for sprinklers

**City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

- UNDERGROUND PIPE NOTES**
- THIS SITE PLAN IS FOR REFERENCE ONLY.
  - SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ADDITIONAL SITE PLAN INFORMATION.
  - ALL UNDERGROUND PIPES TO BE INSTALLED BY A CONTRACTOR HAVING A VALID WASHINGTON STATE UTILITY CERTIFICATION.
  - ALL UNDERGROUND PIPE TO BE INSTALLED ACCORDING TO WAC 173-201-010.
  - MINIMUM COVER DEPTHS FOR PIPING:
    - 1" - 400 GPM
    - 12" - 2400 GPM
    - 18" - 4000 GPM
    - 24" - 6000 GPM
  - MINIMUM BURIED 4'-0" MIN.
  - PARROT STAMP POINT AT FLANGES A.F.F. BUILDING.

**INSTALLATION NOTE**

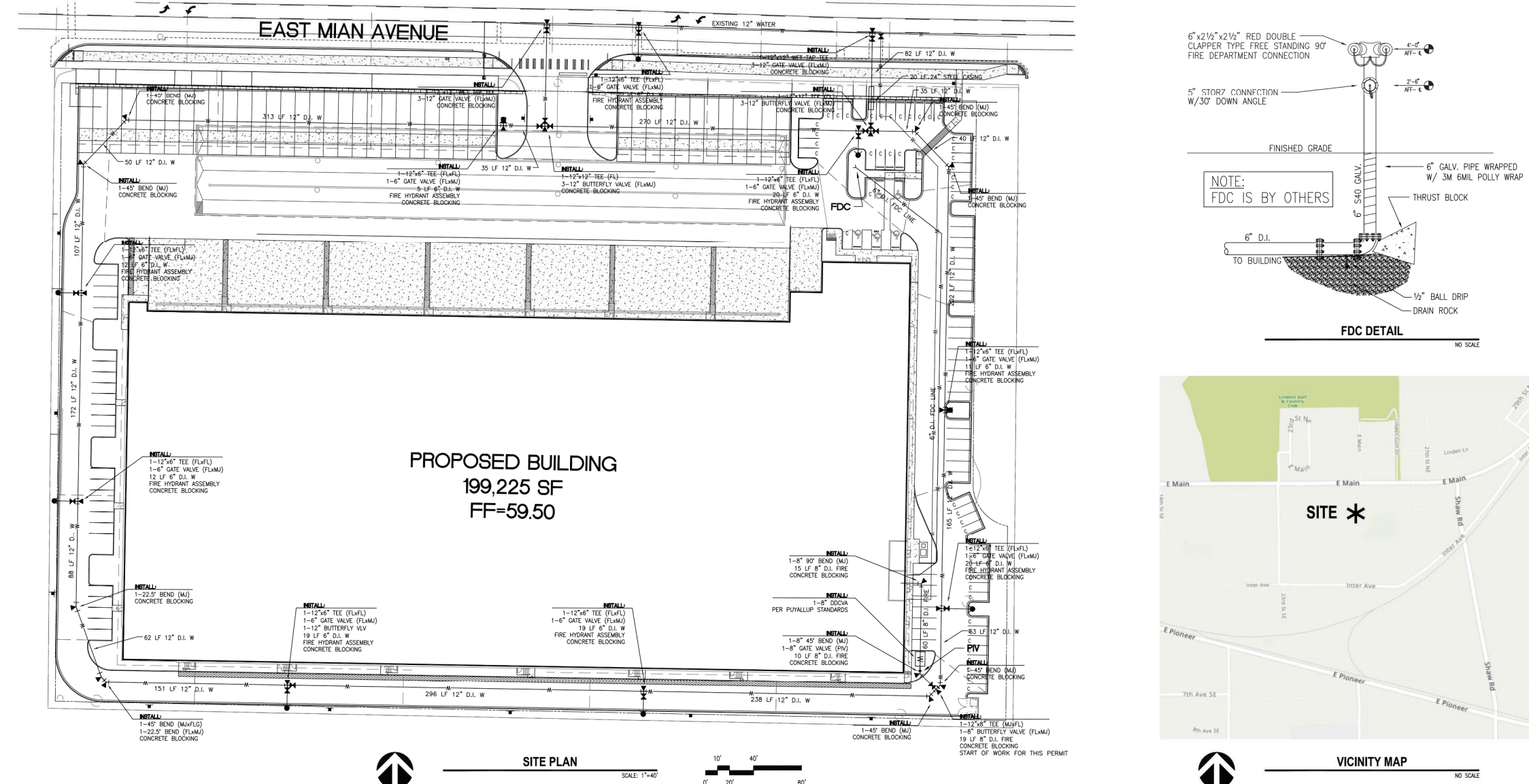
ALL WORK ON THE UNDERGROUND PORTIONS OF FIRE PROTECTION SPRINKLER SYSTEM MUST BE INSTALLED AND COVERED BY A LICENSED CONTRACTOR WHO HAS ACHIEVED A STATE LEVEL OF CERTIFICATION. SUBCONTRACTING OF SUCH WORK TO PERSONS OR FIRMS NOT CURRENTLY LICENSED AS A FIRE PROTECTION SPRINKLER SYSTEM CONTRACTOR IS PROHIBITED UNDER WAC 213-05-010.

**GENERAL NOTES**

- FOR WORKING CLEARANCE, AN UNBROUGHT 3'-0" FOOT BRUSH SHALL BE MAINTAINED AROUND THE PIPE AND JOINTS.

**FLOW TEST**

STATIC 55 PSI  
RESIDUAL 45 PSI  
FLOW 1.1 GPM  
LOCATION EAST MAIN



**GENERAL NOTES:**

- 16.6K ESFR SPRINKLERS SHALL BE INSTALLED PER NFPA 13 SECTION 8.1.2. 16.6K ESFR SPRINKLERS SHALL BE INSTALLED SO THE DEFLECTORS ARE NOT MORE THAN 14" AND NOT LESS THAN 6" BELOW THE CEILING PER NFPA 13 SECTION 8.1.2.1.2.
- LATERAL BRACING IS NOT REQUIRED ON 2 1/2" & 3" BRANCH LINES WHEN INSTALLED PER NFPA 13 SECTION 9.3.5.5.10. ALL 2 1/2" AND 3" BRANCH LINES ARE TO BE INSTALLED PER SECTION 9.3.5.5.10. LATERAL SKYW BRACING IS NOT REQUIRED. HANGERS NEED TO BE LOTS THAN 6" WHEN MEASURED BETWEEN TOP OF PIPE AND POINT OF ATTACHMENT TO BUILDING STRUCTURE.
- HANGERS SHALL BE INSTALLED AT 4' ONCE. HANGERS SHALL BE CENTERED BETWEEN A ESFR SPRINKLER AND LOCATED SO THAT THE TOP OF THE HANGER BLADES ARE LOCATED A MINIMUM OF 6" BELOW THE SPRINKLER DEFLECTORS. HANGERS SHALL BE INSTALLED TO DROP DOWN UPON ACTIVATION OF SPRINKLER SYSTEM W/ FLOW SWITCHES.

**DESIGN CRITERIA:**

ACTUAL STORAGE HEIGHTS VARY - 30" MUST BE MAINTAINED BETWEEN TOP OF STORAGE AND ESFR SPRINKLER DEFLECTORS.

1. STORAGE AREAS: ROOF HEIGHTS 40 FT & LESS
2. SECTION STORAGE IS WITH 13 STORES SHEETS 4-17 ESFR PREINSTANT SPRINKLER HEAD WITH A MINIMUM FLOW PRESSURE OF 30 PSI WITH A MINIMUM 40" HIGH ROOF. THIS DESIGN ALLOWS FOR STORAGE OF THE FOLLOWING COMMODITIES:
  - PALETTIZED AND SOLID PILED STORAGE: PER TABLES 14.4.1 & 15.4.1 (NO OPEN TOP CONTAINERS)
    - A. CLASS I-IV ENCAPSULATED COMMODITIES
    - B. CARTONED NONPAPERMATED PLASTICS
    - C. EXPLOD NONPAPERMATED PLASTICS
  - MAXIMUM STORAGE HEIGHT = 35'-0"
  - MAXIMUM STORAGE HEIGHT = 35'-0"
  - MAXIMUM STORAGE HEIGHT = 35'-0"
3. RACK STORAGE: PER TABLES 16.3.3.1 & 17.3.3.1 (NO OPEN TOP CONTAINERS)
  - A. CLASS I-IV ENCAPSULATED OR NONENCAPULATED COMMODITIES
  - B. CARTONED NONPAPERMATED PLASTICS
  - C. EXPLOD NONPAPERMATED PLASTICS
- MAXIMUM STORAGE HEIGHT = 35'-0"
- MAXIMUM STORAGE HEIGHT = 35'-0"
- MAXIMUM STORAGE HEIGHT = 35'-0"
4. WOOD OR PLASTIC PALLETS STORED ON FLOOR OR BRACING WITHOUT TOP SHEETS
  - A. CLASS I-IV ENCAPSULATED OR NONENCAPULATED COMMODITIES
  - B. CARTONED NONPAPERMATED PLASTICS
  - C. EXPLOD NONPAPERMATED PLASTICS
- MAXIMUM STORAGE HEIGHT = 35'-0"
- MAXIMUM STORAGE HEIGHT = 35'-0"
- MAXIMUM STORAGE HEIGHT = 35'-0"
5. FIRE RISER & ELEC ROOMS:
  - CRIMINAL HAZARD OCCUPANCY
  - 3. GASEL SPACES
  - LIGHT HAZARD OCCUPANCY

**HANGER LEGEND**

TYPE	DESCRIPTION
1	SPRINKLER BRANCHLINE HANGER "T"
2	SPRINKLER MAIN HANGER "E"
3	SPRINKLER HANGER "T"
4	SPRINKLER HANGER "T" TO WALL
5	SPRINKLER BRANCHLINE HANGER "T"
6	SPRINKLER MAIN HANGER "E"
7	SPRINKLER HANGER "T"
8	SPRINKLER HANGER "T" TO WALL

**SEISMIC BRACING LEGEND**

BRACE NUMBER	SIZE OF BRACE	TYPE OF BRACE	ATTACHMENT	BRACE PATTERN	MINIMUM BRACE SPACING
SB-1	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-2	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-3	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-4	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-5	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-6	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-7	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-8	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-9	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-10	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-11	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-12	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-13	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-14	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-15	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-16	1" x 4"	SHCHD	3"	FG 1001	10'-0"
SB-17	1" x 4"	SHCHD	3"	FG 1001	10'-0"

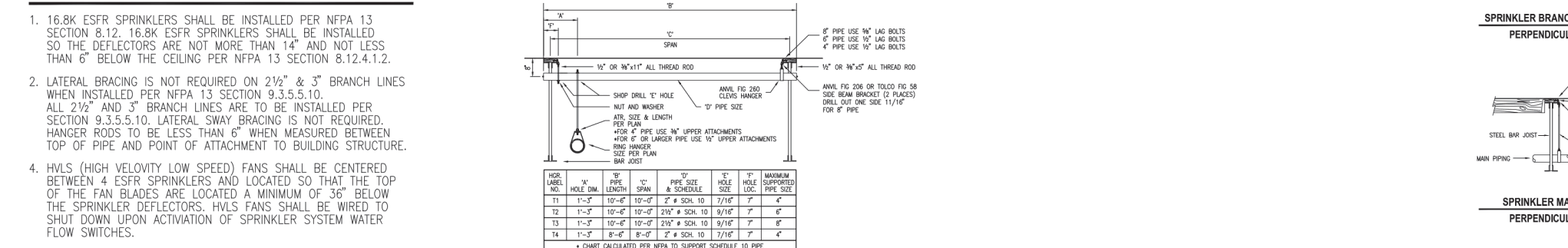
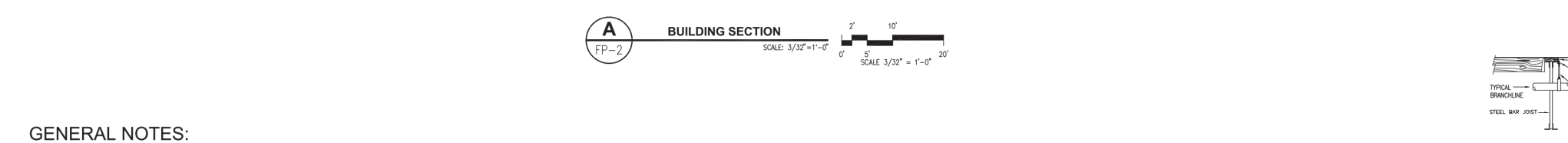
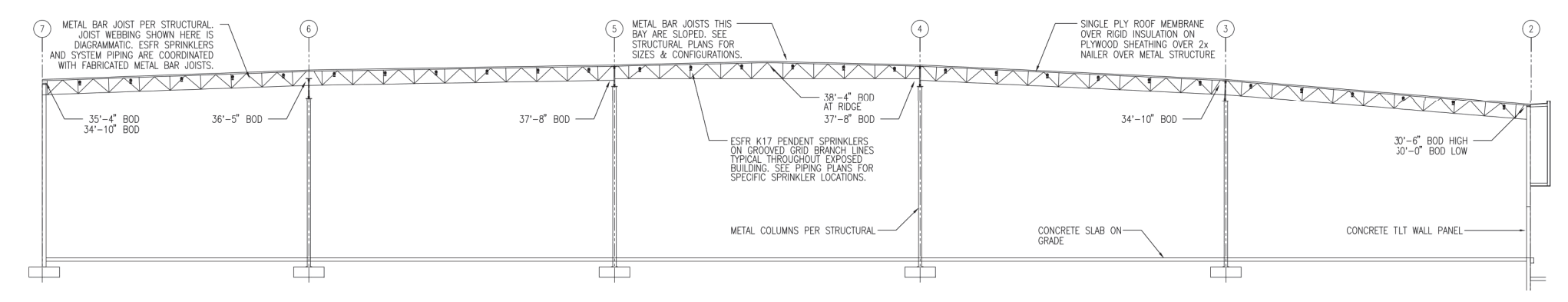
**GENERAL NOTES**

- THIS IS AN EARLY SUPPRESSION FAST RESPONSE SPRINKLER SYSTEM BRANCH LINE & SPRINKLER HEAD LOCATIONS ARE CRITICAL. ESFR SYSTEMS REQUIRE SPECIAL CONSTRUCTION REGARDING PLACEMENT OF LIGHTING, DUCT WORK, PROCESS PIPING, ELECTRICAL CONDUIT RING, ETC. SPRINKLER PIPING CAN NOT BE ROUTED AROUND OBSTRUCTIONS DUE TO INCREASED FRICTION LOSSES OR LOWERED FLOW FROM ROOF STRUCTURE DUE TO CODE REQUIREMENTS. IF IT IS DETERMINED THAT REQUIRED COORDINATION WITH THE ROOF STRUCTURE, JOIST FRAMING, JOIST BRACING, DUCT WORK, LIGHTING, ELECTRICAL CONDUIT AND OTHER PIPING WILL BE ACCOMPLISHED TO PROVIDE THE CLEARANCE REQUIRED FOR AN ESFR SYSTEM.

**AS-BUILT**

**PATRIOT FIRE PROTECTION, INC.**

199,225 SF  
FF-59.50



**GENERAL NOTES:**

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**AS-BUILT**

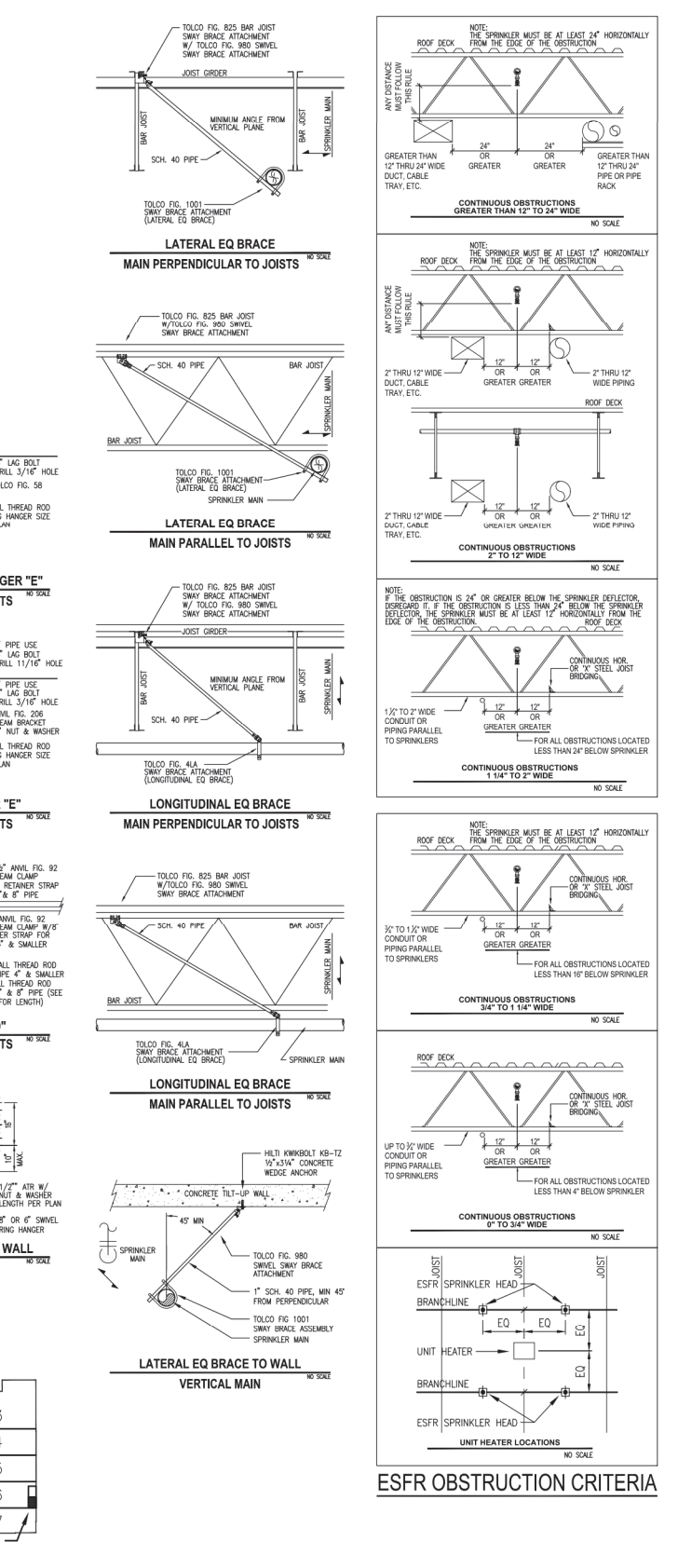
**PATRIOT FIRE PROTECTION, INC.**

199,225 SF  
FF-59.50

**AS-BUILT**

**PATRIOT FIRE PROTECTION, INC.**

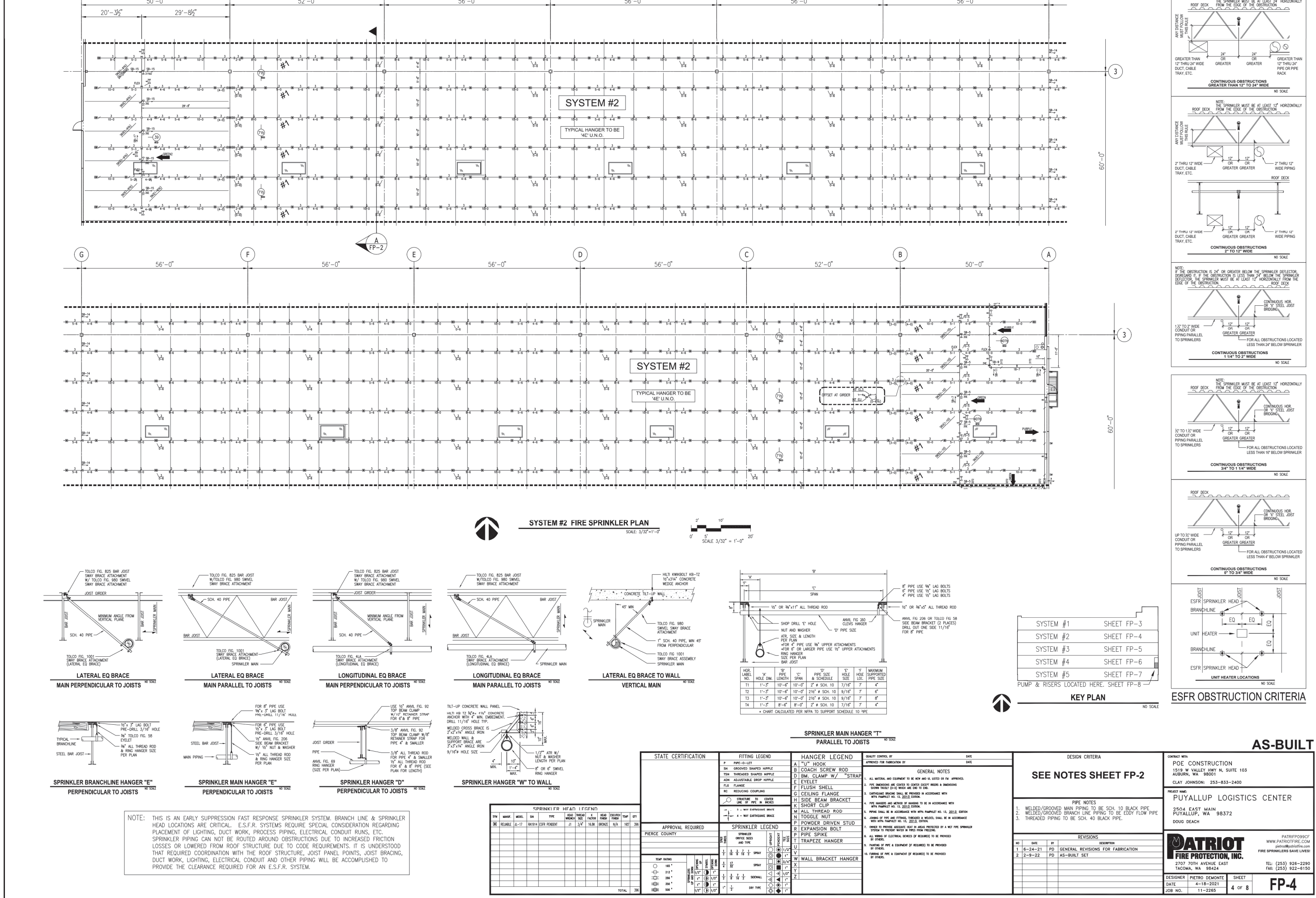
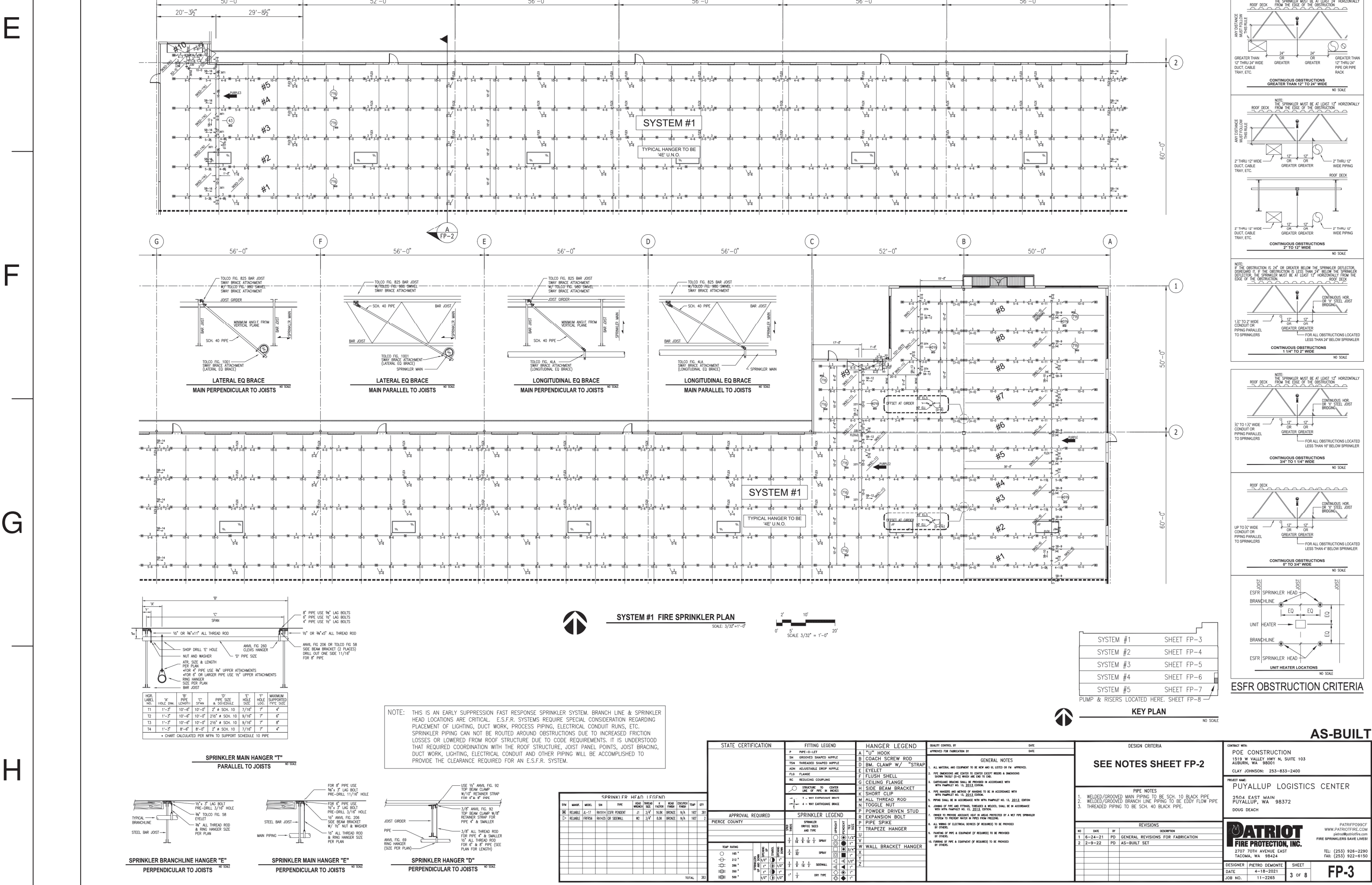
199,225 SF  
FF-59.50



**AS-BUILT**

**PATRIOT FIRE PROTECTION, INC.**

199,225 SF  
FF-59.50



**REVISIONS**

REV. NO.	DESCRIPTION	REV. BY	REV. DATE
01	INITIAL RELEASE	JOM TOSKI	06/09/2023

**CUSTOMER:** RED DOT CORPORATION

2504 EAST MAIN  
PUYALLUP, WA 98372

**SHEET NAME:** SPRINKLER PLANS 1

**STRUCTURAL STAMP**

**YIHAO ZHANG**  
REGISTERED PROFESSIONAL ENGINEER

**DATE:** 06/09/2023

**SCALE:** NTS

**DRAWN BY:** J.TOSTANOSKI

**PROJECT #:** 100768486

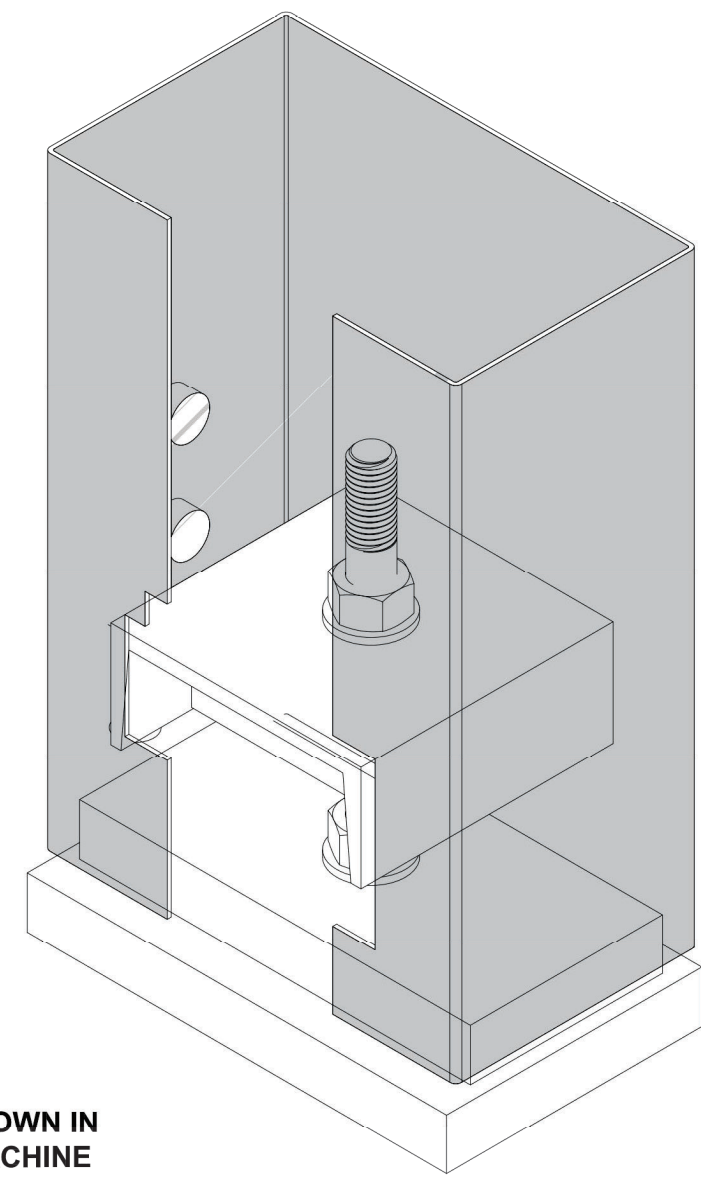
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**REV:** 0

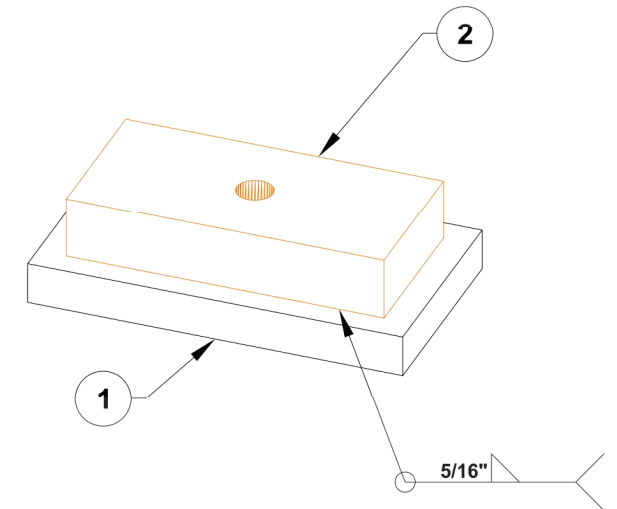


# 7 KARDEX DETAILS

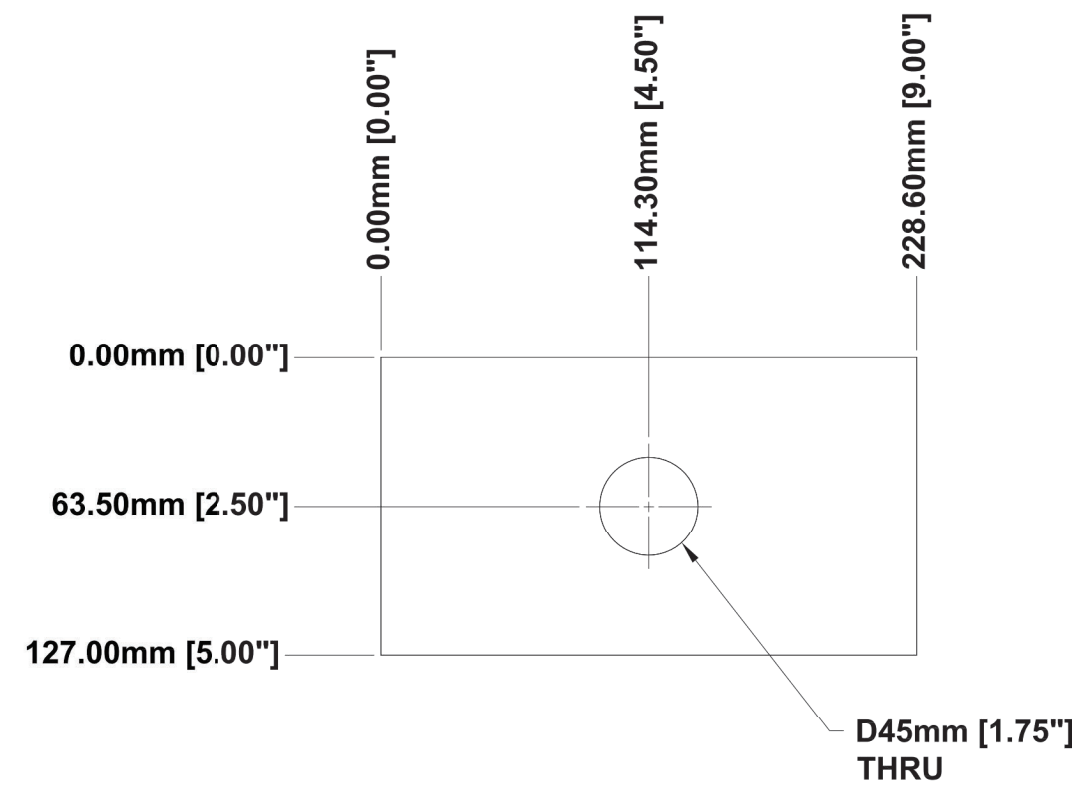
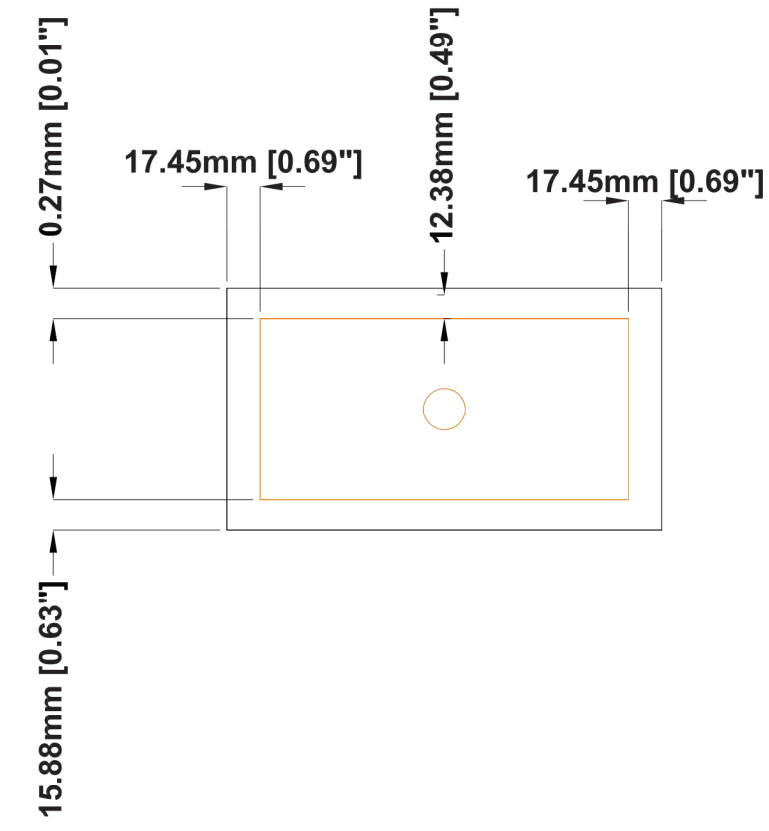
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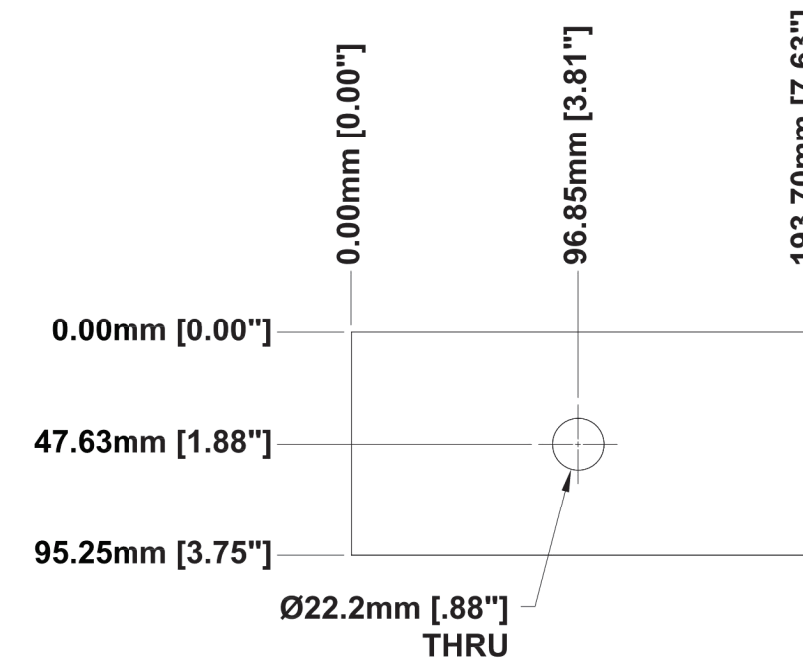
SHOWN IN MACHINE COLUMN



ASSEMBLY DRAWINGS



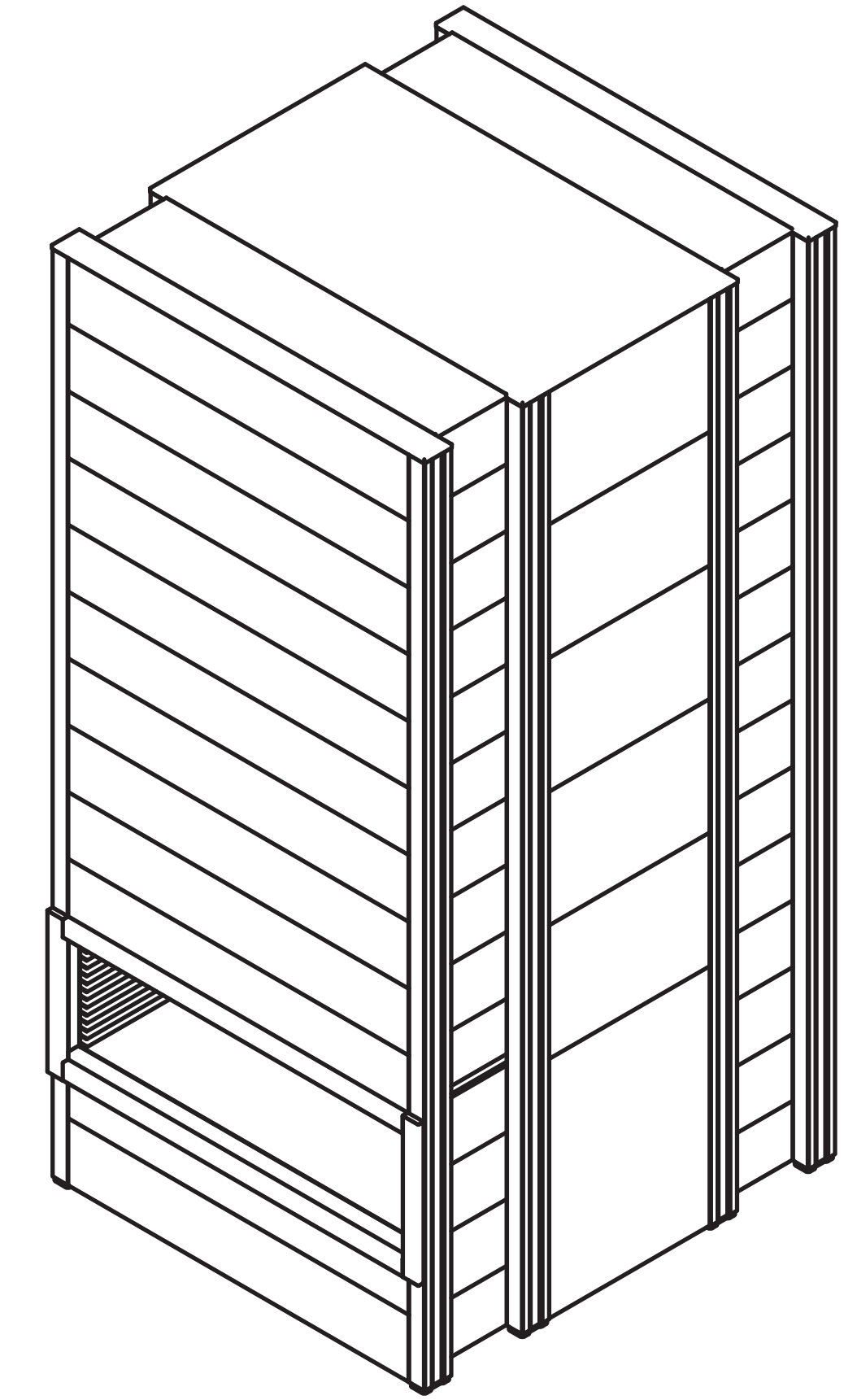
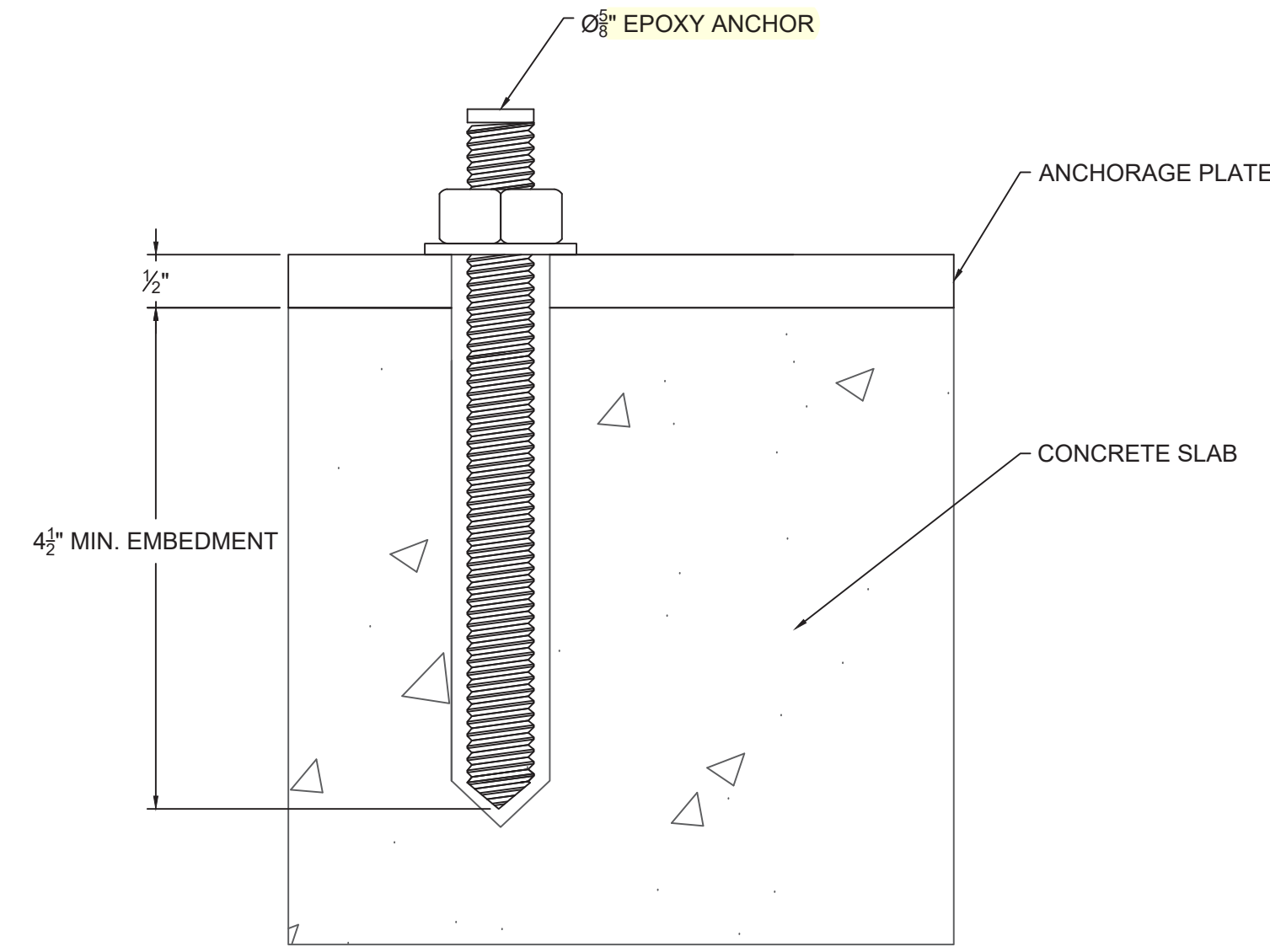
ITEM 1 - FOOTPLATE  
MATERIAL: 1.00" STEEL  
FINISH: NONE



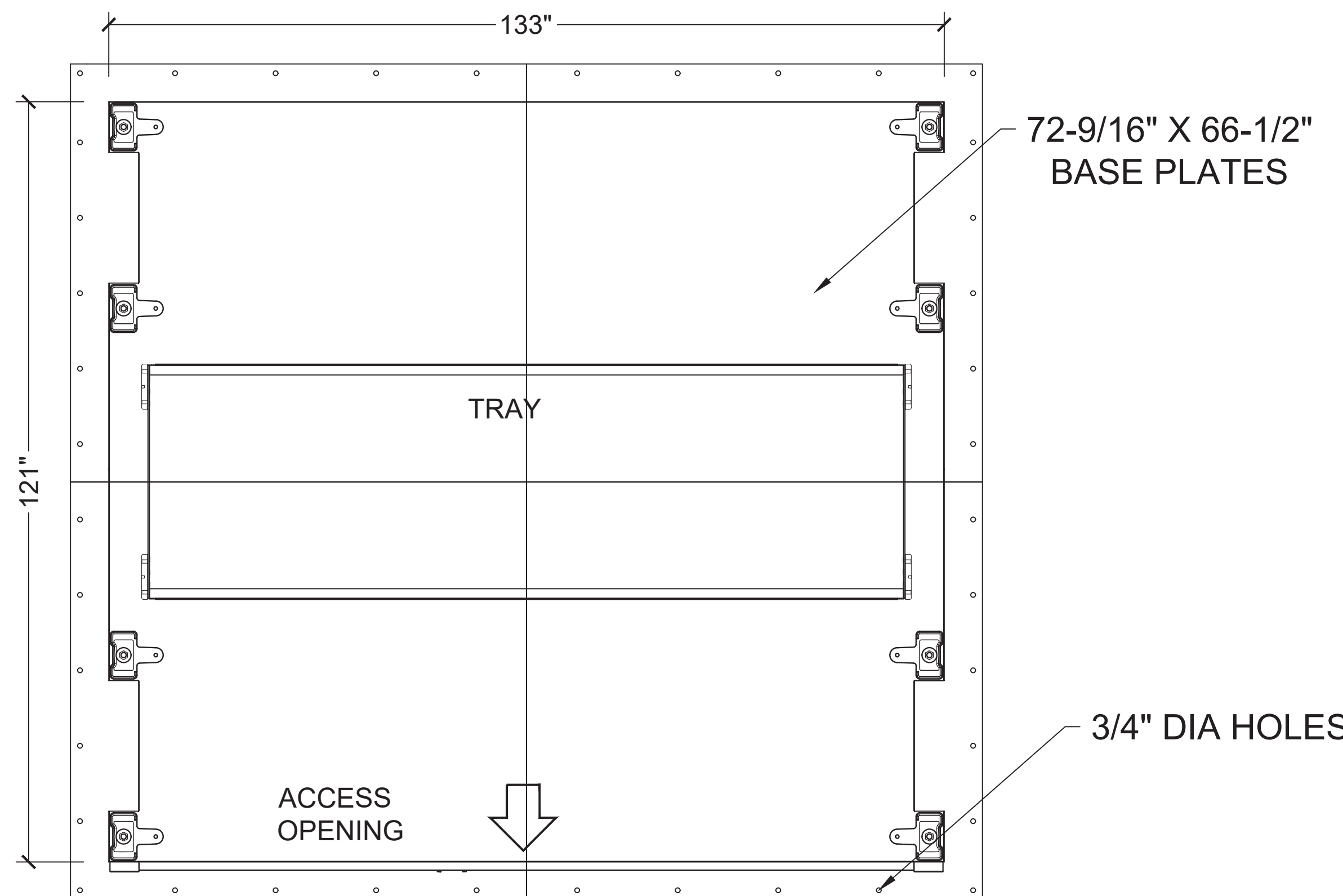
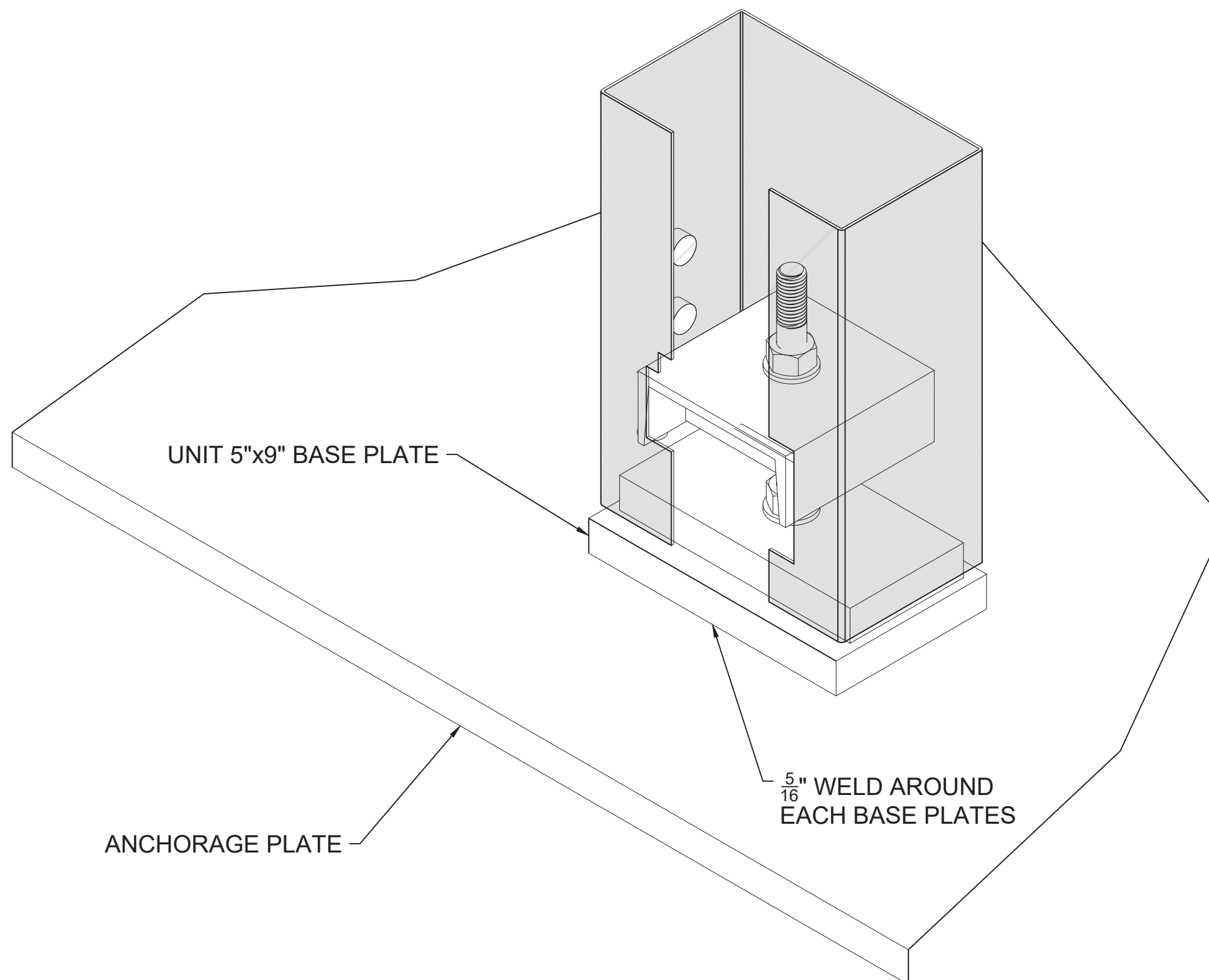
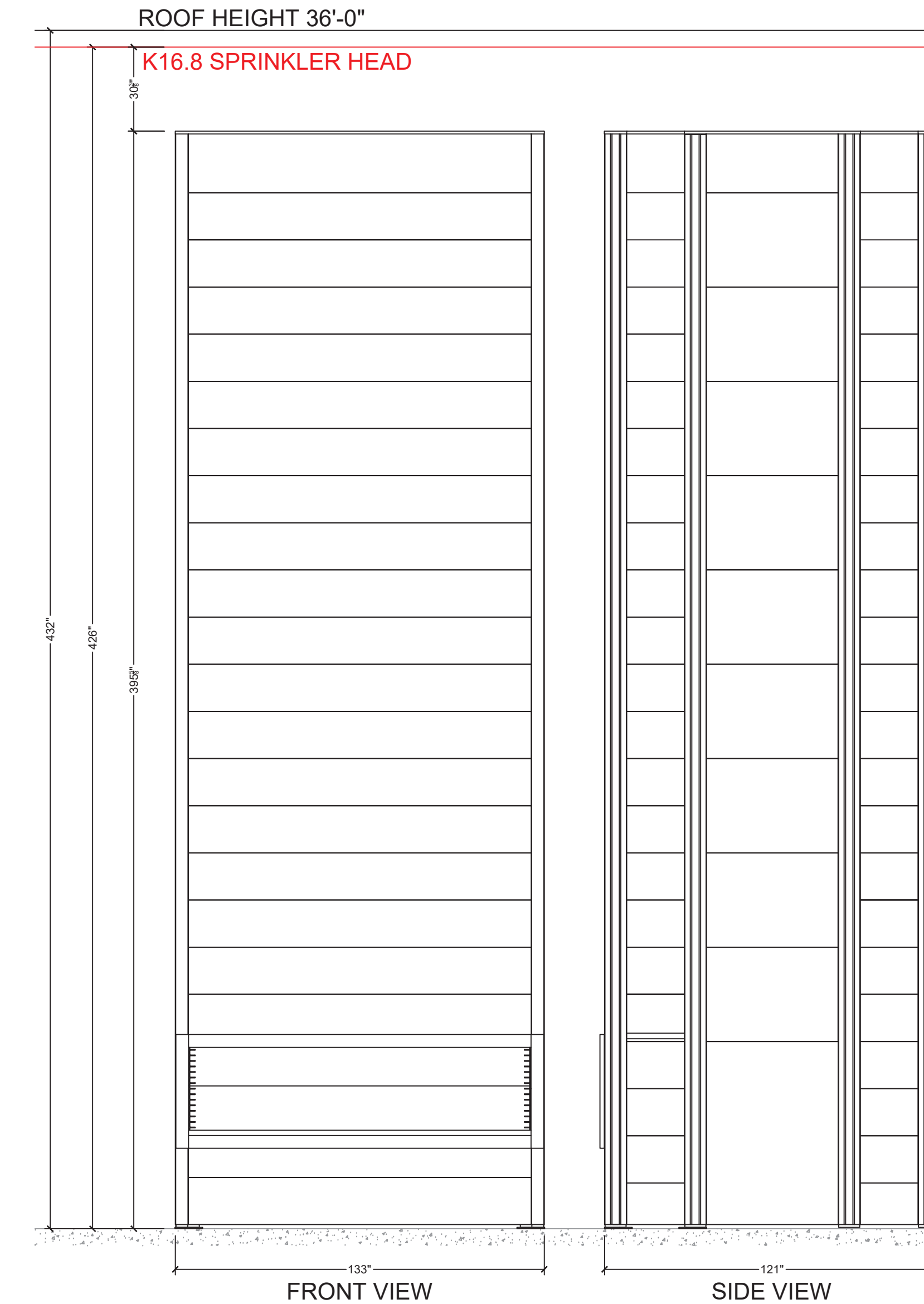
ITEM 2 - ADAPTER PLATE  
MATERIAL: 1.50" STEEL  
FINISH: NONE

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic



ISOMETRIC VIEW

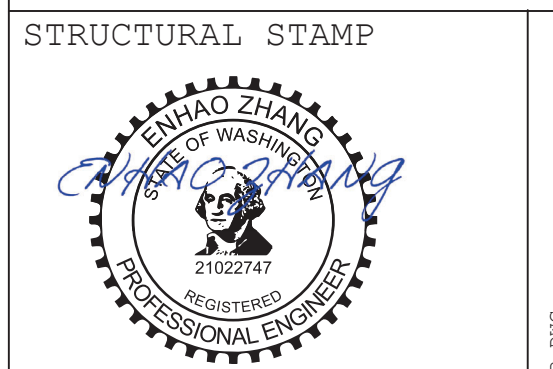


REV. NO.	DESCRIPTION	REV. DATE	REV. BY
1	INITIAL RELEASE	06/09/2023	JON TOSKI

PRCT120230997

**RED DOT CORPORATION**  
2504 EAST MAIN  
PUYALLUP, WA 98372

SHEET NAME:  
**KARDEX DETAILS**



DATE: 06/09/2023  
SCALE: NTS  
DRAWN BY: J.TOSTANOSKI  
PROJECT #: 100768486

SHEET NUMBER: **SS7**  
REV: **0**

