

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permittee on site for inspection.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.
<https://lni.wa.gov/licensing-permits/electrical/electrical-permit-s-fees-and-inspections>
 or call for Licensing Information: 1-800-647-0982

**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**

SKinnear
06/20/2025
2:16:00 PM



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

BUILDING OWNER:
 PUGET SOUND ENERGY
 C/O SHARON CONTE
 PO BOX 97034
 BELLEVUE, WA 98009-9734

CLIENT:
 PUGET SOUND ENERGY
 325 TODD RD NW
 PUYALLUP, WA 98371

CONTRACTOR:
 NEIL MONTAGUE
 NORTHWEST HANDLING SYSTEMS
 1100 SW 7TH ST
 RENTON, WA 980057
 PH: 425-919-3597
 EM: NEILM@NWHS.COM
 LIC#: NORTHWH275JF EXP: 10/9/25

ARNOLDO OZ OLMO
 PERMIT COORDINATOR
 NORTHWEST HANDLING SYSTEMS
 PH: 206.549.2554
 EM: ARNOLDOO@NWHS.COM

ENGINEER:
 GARNIK OHANIAN
 412 WEST BROADWAY, SUITE #204,
 GLENDALE, CA 91204
 PH: 818.240.3810
 EM: RACKDESIGN1@GMAIL.COM
 LIC#: 33552 EXP: 12/26/26

SPECIAL INSPECTION CO:
 AAR TESTING LAB
 PO BOX 2523
 REDMOND, WA 98073
 PH: 425-881-5812

PROJECT NAME:
 PSE - PUYALLUP

PROJECT DESCRIPTION:
 THE INSTALLATION & PERMITTING OF
 PALLET RACKING, CANTILEVER RACKING,
 & RIV SHELVING FOR PUGET SOUND
 ENERGY IN PUYALLUP, WASHINGTON.
 THERE ARE NO ALTERATION TO BUILDING
 FOOTPRINT/SHELL & NO ADDITIONAL
 SQUARE FOOTAGE IS BEING ADDED.

SITE ADDRESS:
 325 TODD RD NW
 PUYALLUP, WA 98371

PARCEL #:
 0420211030

CONSTRUCTION TYP:
 IIIb

COMMODITY CLASS:
 CLASSES I - IV

OCCUPANY TYPE:
 S-1

OCCUPANT LOAD:

A (ASSEMBLY)
 15,361 / 50 = 307.22 = 307

B (OFFICE AREA)
 12,658 / 150 = 84.39 = 85

S-1 (STORAGE AREA)
 6,208 SF / 300 = 20.69 = 21

TOTAL OCCUPANTS: 413

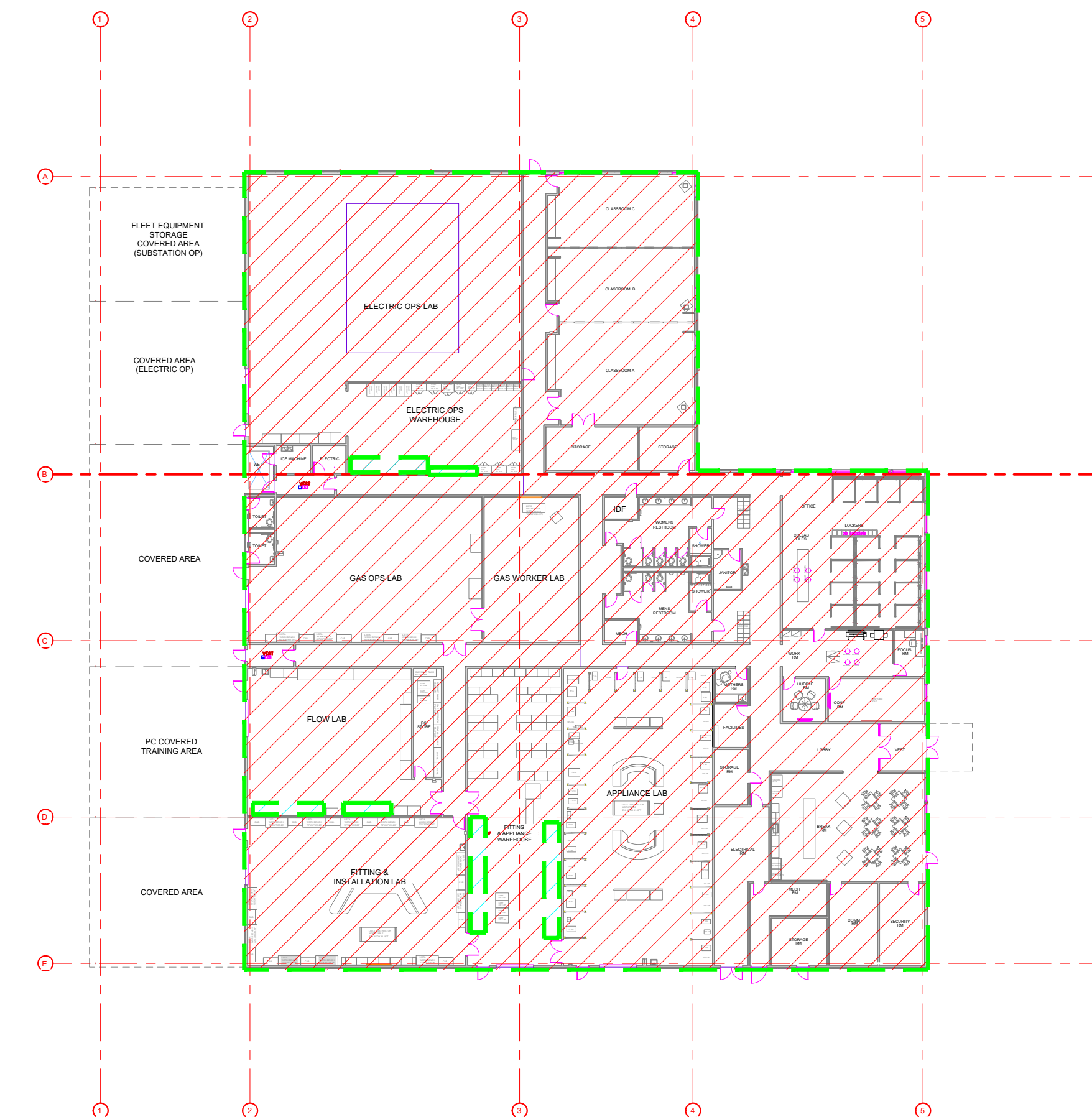
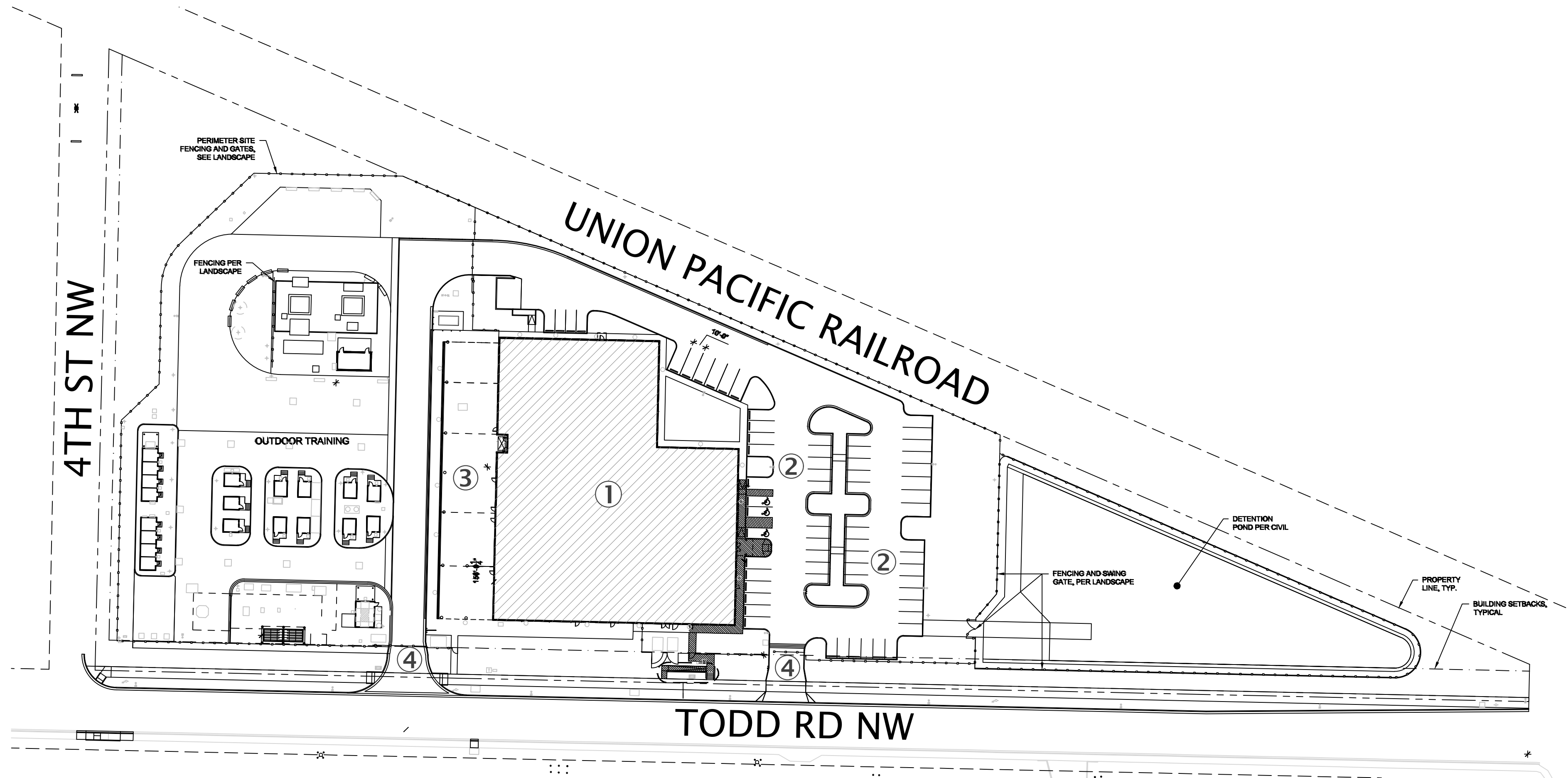
DRAWING INDEX		
SH#	COMPANY	SHEET TITLE
* RACK DRAWINGS *		
C1	NWHS	COVERSHEET
D1	NWHS	RACK LAYOUT & ELEVATIONS
FE1	NWHS	LIFE SAFETY PLAN, FIRE NOTES, & FIRE SAFETY
* ENGINEERING *		
1-2	RD&E	PALLET RACKING ENGIN DETS & NOTES
2-2	RD&E	CANTILVER RACKING ENGIN DETS & NOTES

CODE:
 - 2021 EXISTING BUILDING CODE W/ WA STATE AMENDMENTS
 - 2021 WASHINGTON STATE BUILDING CODE
 - 2021 WASHINGTON STATE FIRE CODE

LIFE SAFETY & FIRE PROTECTION:
 SEE SHEET FE1 FOR LIFE SAFETY PLANS, NOTES, & FIRE PROTECTION NOTES.

WABO SPECIAL INSPECTION:
 INSPECTION OF ANCHOR BOLTS TO BE PERFORMED BY AAR TESTING LAB. A WABO CERTIFIED COMPANY.

LEGAL DESCRIPTION:
 SECTION 21 TOWNSHIP 20 RANGE 04 QUARTER 11 LOT COMB
 2023-03-03-0112 TCO 27-897 & TCO 27-896 THAT POR OF WM
 BENSTON DLC LY SLY OF ROW OF C M & ST PAUL R R R/W & LY WLY
 OF N MERIDIAN (AKA SR 161) & LY NLY OF TODD RD NW (AKA 23RD
 AVE NW) & LY ELY OF A 15 FT STRIP CYD TO P CO FOR ROW (4TH ST
 NW AKA DECHAUX LN) PER AFN 1783507 EXC POR CYD TO CY OF
 PUYALLUP FOR ADD'L R/W PER ETN 4641389 EASE OF REC COMB OF
 04-20-21-1-002 & 1-012 SEG 2023-0311 03/08/23 JP 35768005DC
 3/27/24 KG



SITE MAP
 SCALE - 1" = 60'

SITE MAP LEGEND

1. SITE - AREA OF WORK
2. PROPERTY PARKING
3. LOADING/ UNLOADING
4. STREET ACCESS

KEY MAP
 SCALE - 1/32" = 1'-0"

KEY PLAN LEGEND & FLOOR AREAS

ALTERATION AREA	453 +/- SF
NO ALTERATIONS IN THIS AREA	-
AREA OF WORK	34,227 +/- SF
NEIGHBORING SPACE	-



Puget Sound Energy
 325 Todd Rd NW
 Puyallup, WA 98371

PRCTI20250781

PROJECT TITLE

SEATTLE
 ANCHORAGE
 PORTLAND
 SPOKANE
 EUGENE
 YAKIMA
 TUMWATER

NORTHWEST
 ENGINEERING SYSTEMS, INC.
 1100 SW 7TH STREET
 RENTON, WA 98055
 (425) 255-0500



COVERSHEET

SHEET DESCRIPTION

DRAWING NUMBER

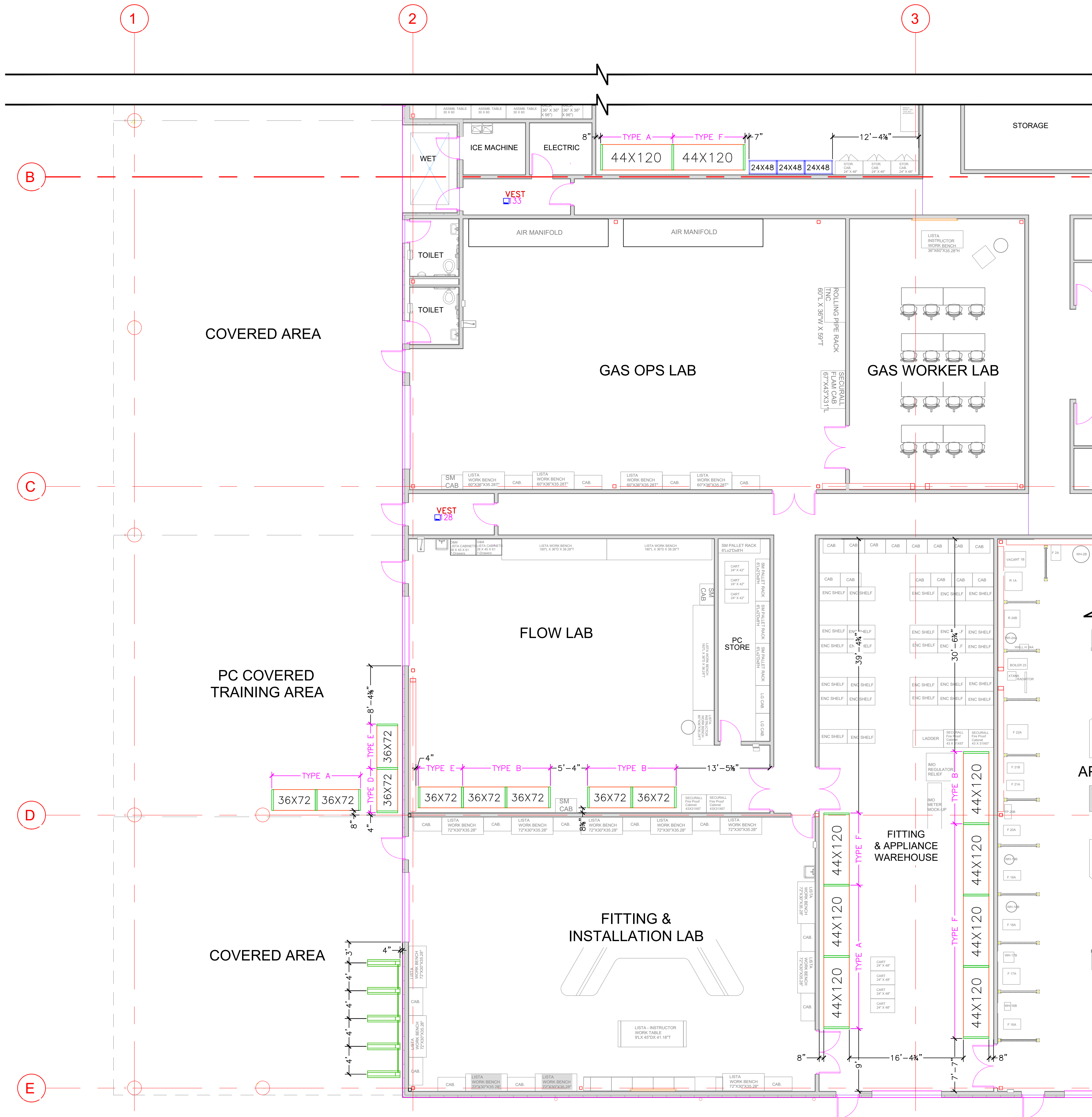
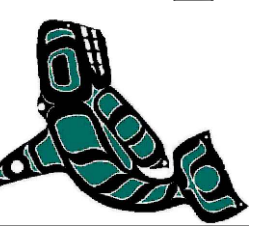
C1

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SAVED AS
 Puget Sound Energy_Puyallup_252205.dwg

AS SHOWN
 DATE 6/11/25
 DRAWN BY AOO, NW

EXPIRES 12-26-25
 STRUCTURAL ONLY

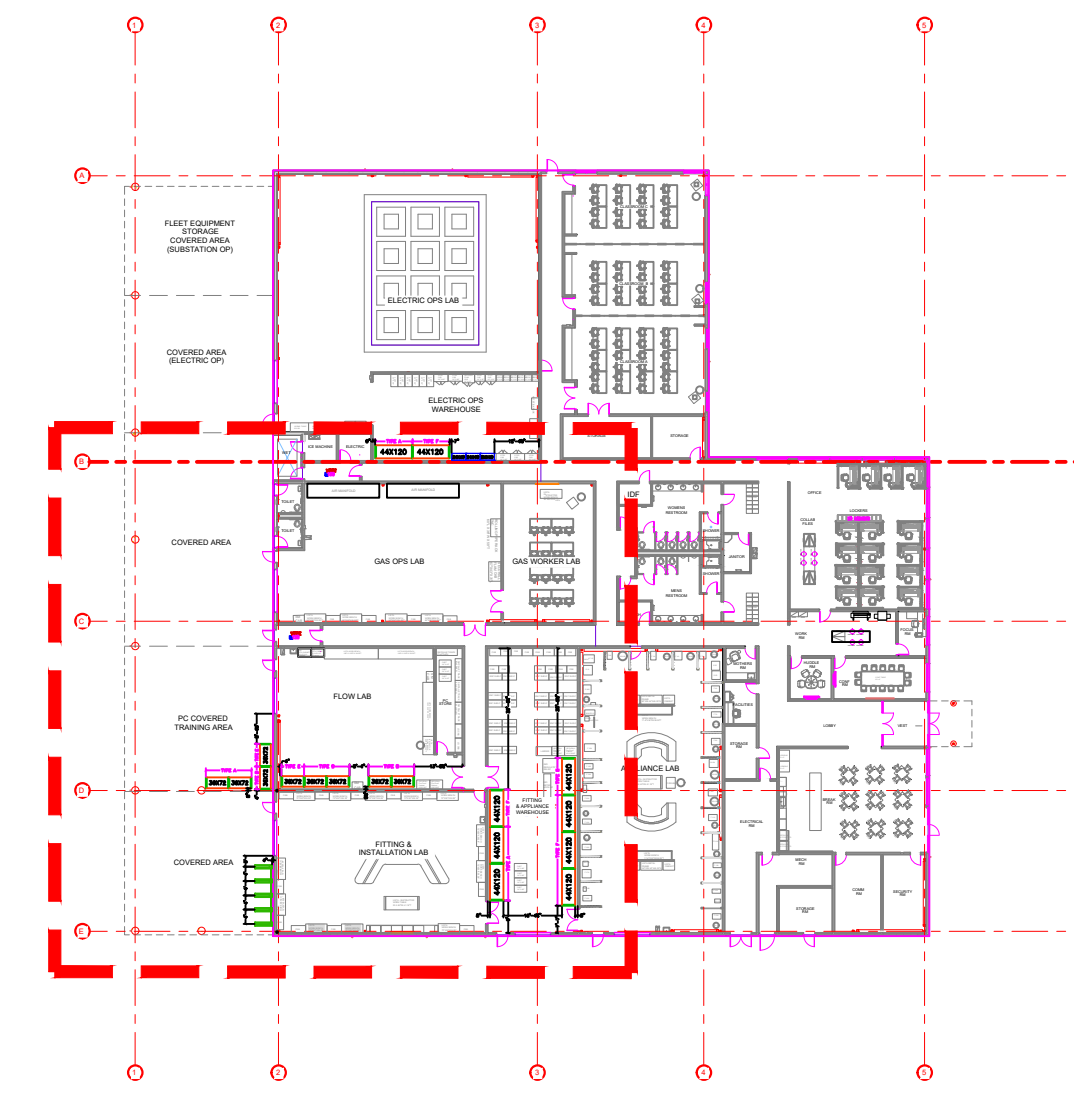


RACK LAYOUT

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

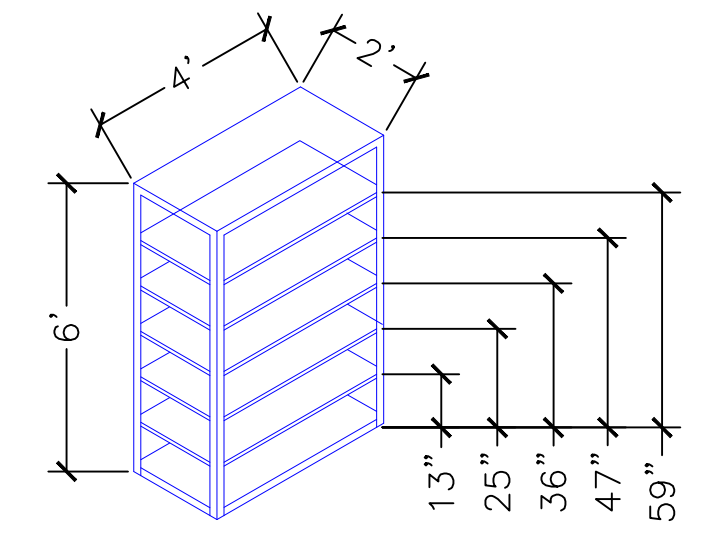
KEY PLAN LEGEND & FLOOR AREAS	
	ALTERATION AREA 453 +/- SF
	NO ALTERATIONS IN THIS AREA -
	AREA OF WORK 34,227 +/- SF
	NEIGHBORING SPACE -

City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic



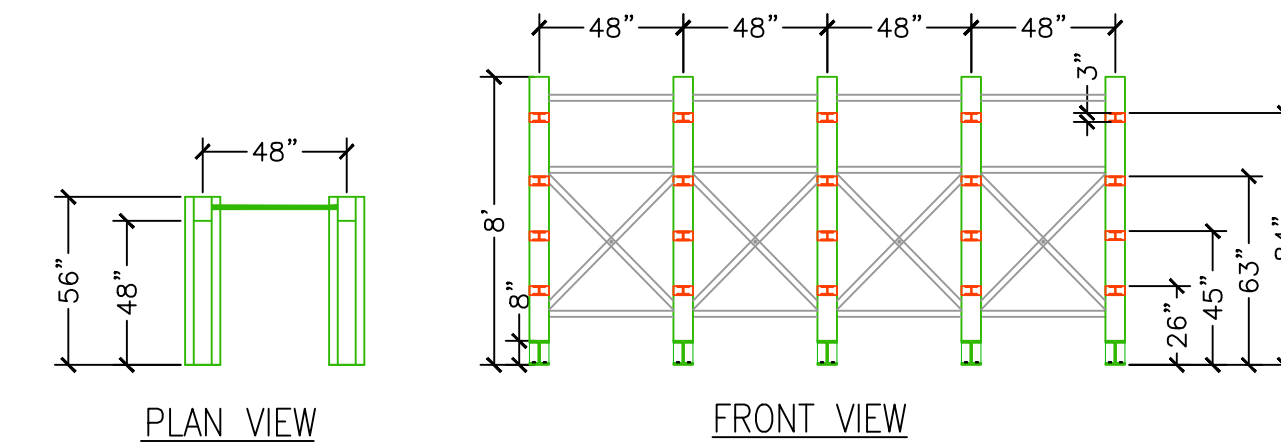
WAREHOUSE PLAN

SCALE: NTS



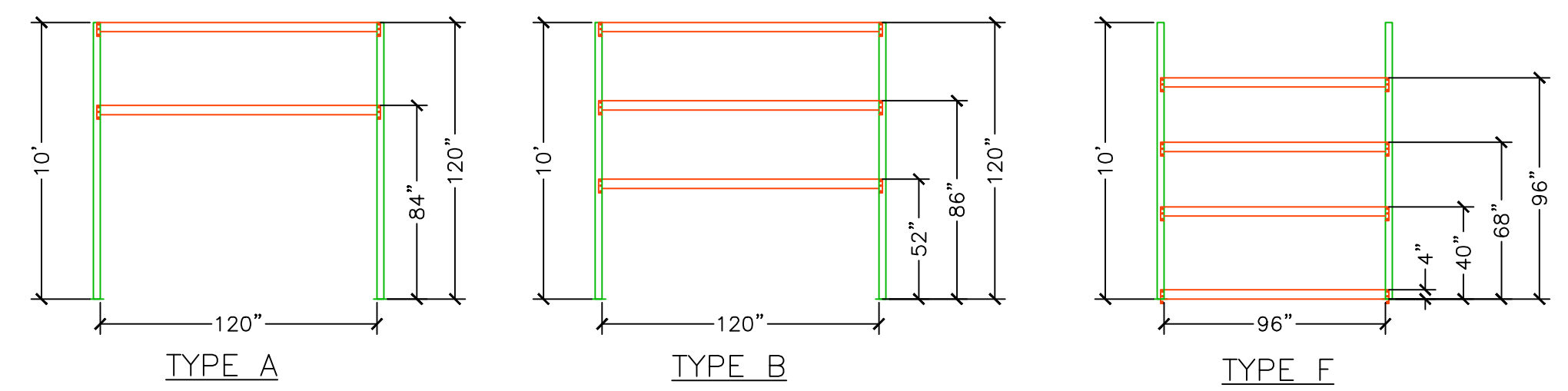
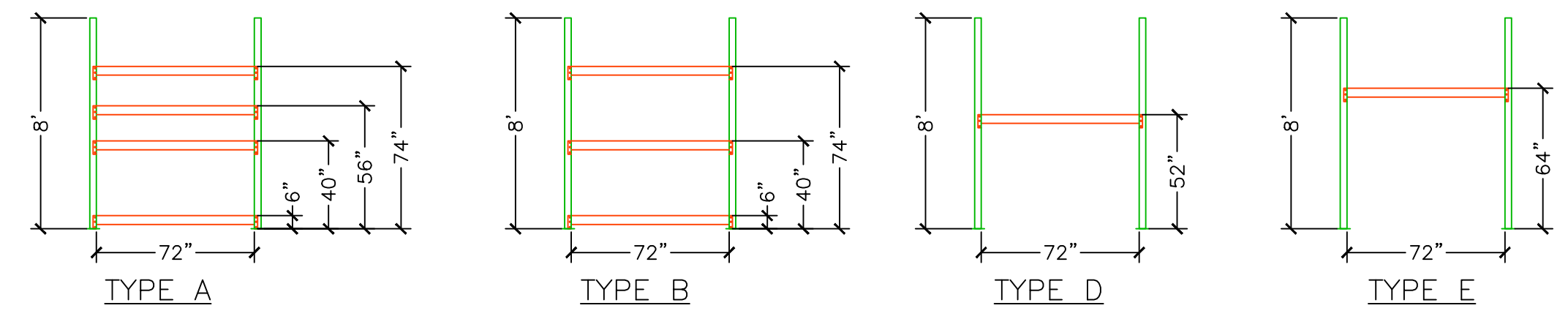
RIV SHELVING ELEVATION

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



CANTILEVER RACK ELEVATION

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



PALLET RACK ELEVATIONS

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

PROJECT NOTES:

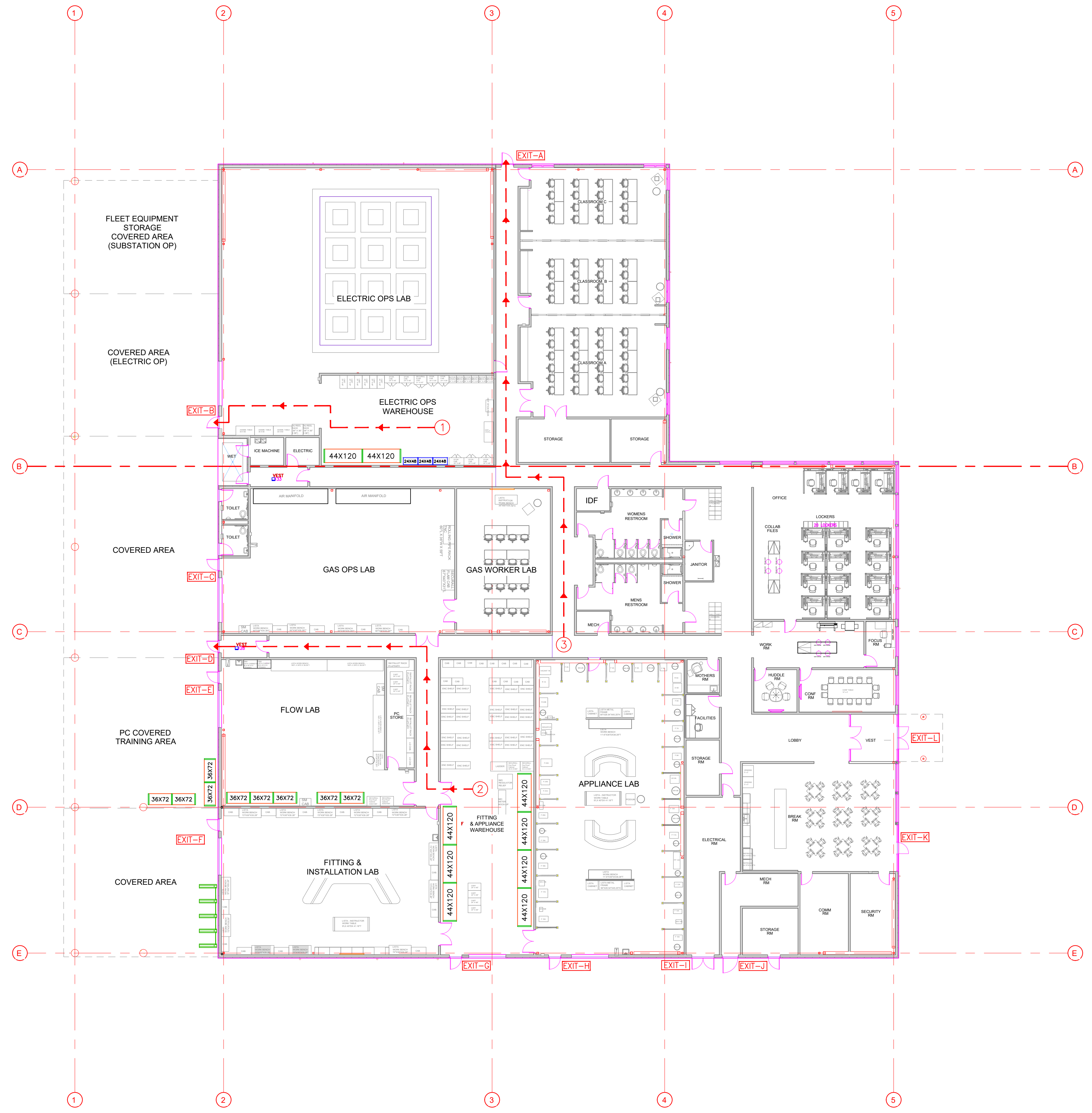
1. THERE WILL BE NO ALTERATIONS TO BUILDING FOOTPRINT/SHELL & NO ADDITIONAL SQUARE FOOTAGE IS BEING ADDED.
2. ALL ALTERATION AREAS ARE DESIGNATED ON THE KEY PLAN.
3. EXISTING RACKING SHOWN ON PLANS FOR REFERENCE.
4. WAREHOUSE AREA WHERE RACKING IS BEING INSTALLED IS NOT OPEN TO THE PUBLIC.
5. SEE 'S' SHEETS FROM STRUCTURAL ENGINEERING & DESIGN FOR DETAILED RACK ELEVATIONS, CONNECTION DETAILS, & ANCHORING INFO.
6. RACKING MATERIALS BEING INSTALLED DOES NOT REQUIRE ONSITE WELDING.
7. RACKING TO BE ASSEMBLED & INSTALLED PER MANUFACTURE SPECIFICATIONS & PREVAILING STATE/ LOCAL BUILDING CODE.



EXPIRES 12-26-25
STRUCTURAL ONLY



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LIFE SAFETY PLAN

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

LEGEND

- = TRAVEL DISTANCE PATH
- = EXIT DOOR LABEL (TRAVEL DISTANCE PATH)
- = EXIT LIGHT FIXTURE

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

Building	Planning
Engineering	Public Works
Fire	Traffic

LIFE SAFETY PLAN

MEASUREMENT: EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED FROM THE MOST REMOTE POINT OF EACH ROOM, AREA OR SPACE ALONG THE NATURAL AND UNOBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT. WHERE MORE THAN ONE EXIT IS REQUIRED, EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED TO THE NEAREST EXIT.

LIMITATIONS: EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED THE VALUES GIVEN IN TABLE 1017.2.
EXIT ACCESS TRAVEL DISTANCE = 400'

BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2. SEE SECTION 903 FOR OCCUPANCIES WHERE AUTOMATIC SPRINKLER SYSTEMS ARE PERMITTED IN ACCORDANCE WITH SECTION 903.3.1.1.

WHEN APPLICABLE:

GROUPS F-1 AND S-1 INCREASE (1017.2.2.); THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE SHALL BE 400 FEET (122 M) IN GROUP F-1 OR S-1 OCCUPANCIES WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:

1. THE PORTION OF THE BUILDING CLASSIFIED AS GROUP F-1 OR S-1 IS LIMITED TO ONE STORY IN HEIGHT.
2. THE MINIMUM HEIGHT FROM THE FINISHED FLOOR TO THE BOTTOM OF THE CEILING OR ROOF SLAB OR DECK IS 24 FEET (7315 MM).
3. THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

EMERGENCY EXIT ROUTE:

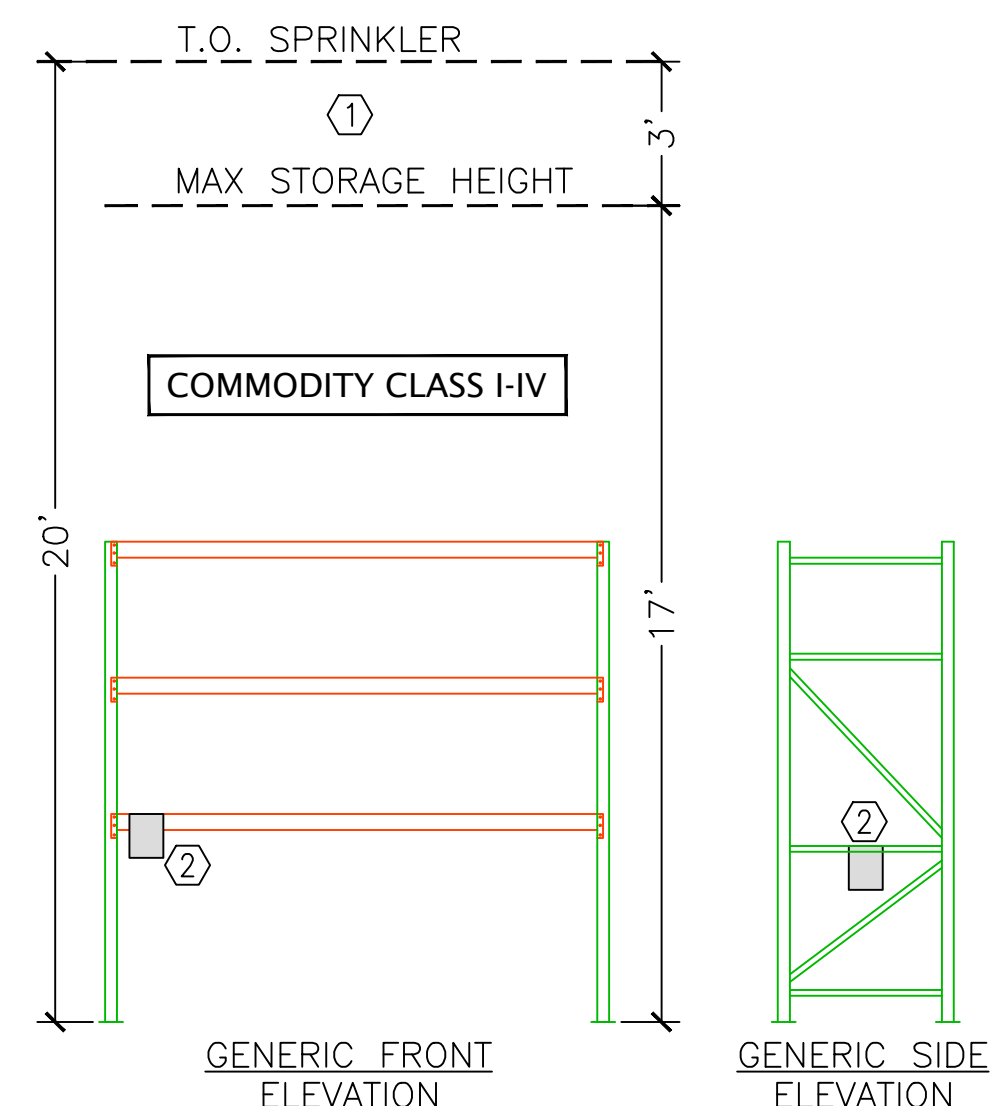
- 1 TO EXIT B = 69'
- 2 TO EXIT D = 107'
- 3 TO EXIT A = 143'

MAX ALLOWABLE EXIT ACCESS TRAVEL DISTANCE = 400'

LIFE SAFETY ILLUMINATION NOTES:

ILLUMINATION LEVEL UNDER EMERGENCY POWER: ILLUMINATION SHALL BE PROVIDED IN THE MEANS OF EGRESS IN ACCORDANCE WITH SECTION 1008.2. UNDER EMERGENCY POWER, MEANS OF EGRESS ILLUMINATION SHALL COMPLY WITH SECTION 1008.3.

ILLUMINATION LEVEL UNDER NORMAL POWER: THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL BE NOT LESS THAN 1 FOOTCANDLE (11 LUX) AT THE WALKING SURFACE. ALONG EXIT ACCESS STAIRWAYS, EXIT STAIRWAYS AND AT THEIR REQUIRED LANDINGS, THE ILLUMINATION LEVEL SHALL BE NOT LESS THAN 10 FOOTCANDLES (108 LUX) AT THE WALKING SURFACE WHEN THE STAIRWAY IS IN USE.



HEIGHT INFO

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

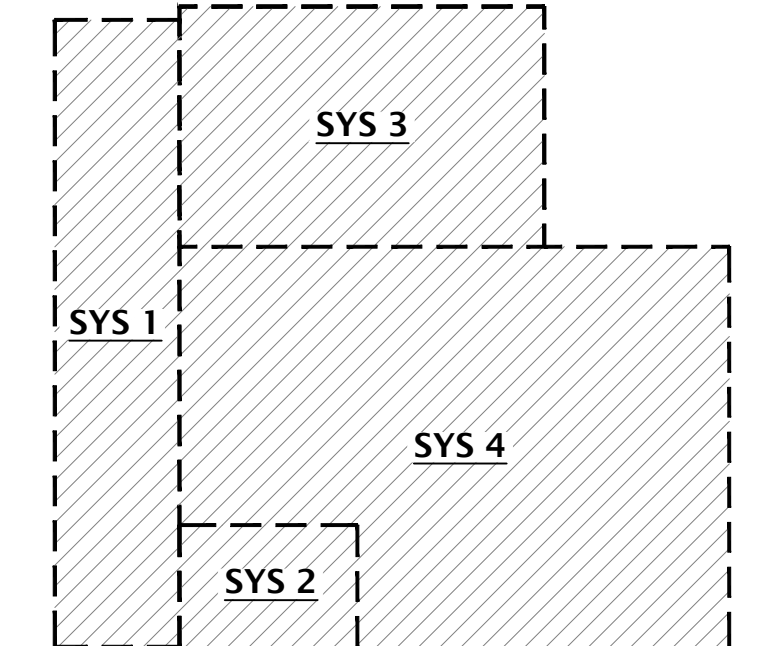
HEIGHT INFO NOTES:
① MAINTAIN 36" MIN CLEARANCE FROM ESFR SPRINKLER HEAD TO TOP OF STORAGE.
MAINTAIN 18" MIN CLEARANCE FROM SPRINKLER HEAD TO TOP OF STORAGE.

② CAPACITY/COMMODITY SIGNS TO DISPLAY MAX LOAD PER LEVEL, COMMODITY CLASS, AND MAX STORAGE HEIGHT. SIGNS TO BE PRINTED ON 8.5"x11" - 10.7 MIL PAPER & WILL BE PLACED AT EYE LEVEL SECURED TO UPRIGHTS AT THE END OF EACH ROW IN COMPLIANCE WITH 2021 IFC CHAPTER 32

FIRE PROTECTION NOTES:

- FULLY SPRINKLERED
- SYSTEM 1: 5.6K - COVERED AREA
DESIGN DENSITY - .20 GPM/ 1,950 SF
STATIC: 45.00 PSI
RESID: 20.00 PSI
FLOW: 3070.0 GPM
- SYSTEM 2: 5.6K - FITTING & INSTALL LAB
DESIGN DENSITY - .20 GPM/ 1,500 SF
STATIC: 45.00 PSI
RESID: 20.00 PSI
FLOW: 3070.0 GPM
- SYSTEM 3: 16.8K - ESFR NORTH
DENSITY - 12 HEADS @ 35 PSI
STATIC: 45.00 PSI
RESID: 20.00 PSI
FLOW: 3070.0 GPM
- SYSTEM 4: 16.8K - ESFR SOUTH
DENSITY - 12 HEADS @ 35 PSI
STATIC: 45.00 PSI
RESID: 20.00 PSI
FLOW: 3070.0 GPM

SPRINKLER SYSTEM DIAGRAM

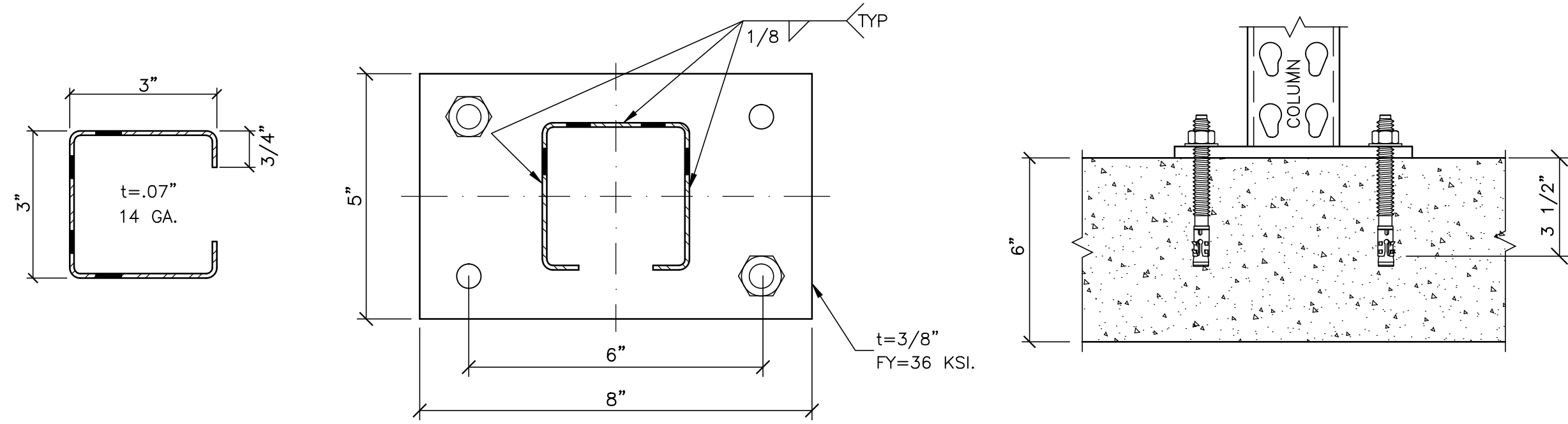


COMMODITY CLASSIFICATION: IFC TABLE 3203.8 & NFPA 231C USED TO DETERMINE THE COMMODITY CLASSIFICATION FOR THE PRODUCTS AND MATERIALS. PRODUCTS NOT FOUND IN THE LIST SHALL BE CLASSIFIED BASED ON THE CLASSIFICATION DESCRIPTIONS IN IFC SECTIONS 3203.2 THROUGH IFC 3203.6.

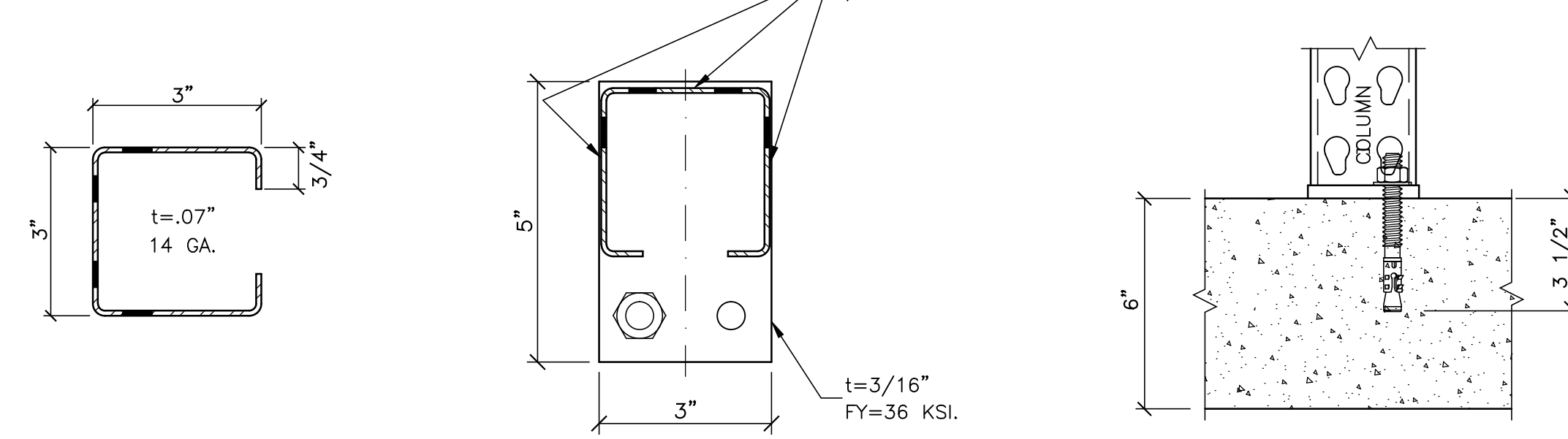
ADDITIONAL COMMODITY INFO:
- NO SOLID DECKING INSTALLED
- NON ENCAPSULATED LOADS
- COMMODITY CLASS AND STORAGE HEIGHT TO BE POSTED ON RACKING IN COMPLIANCE WITH 2018 IFC CHAPTER 32



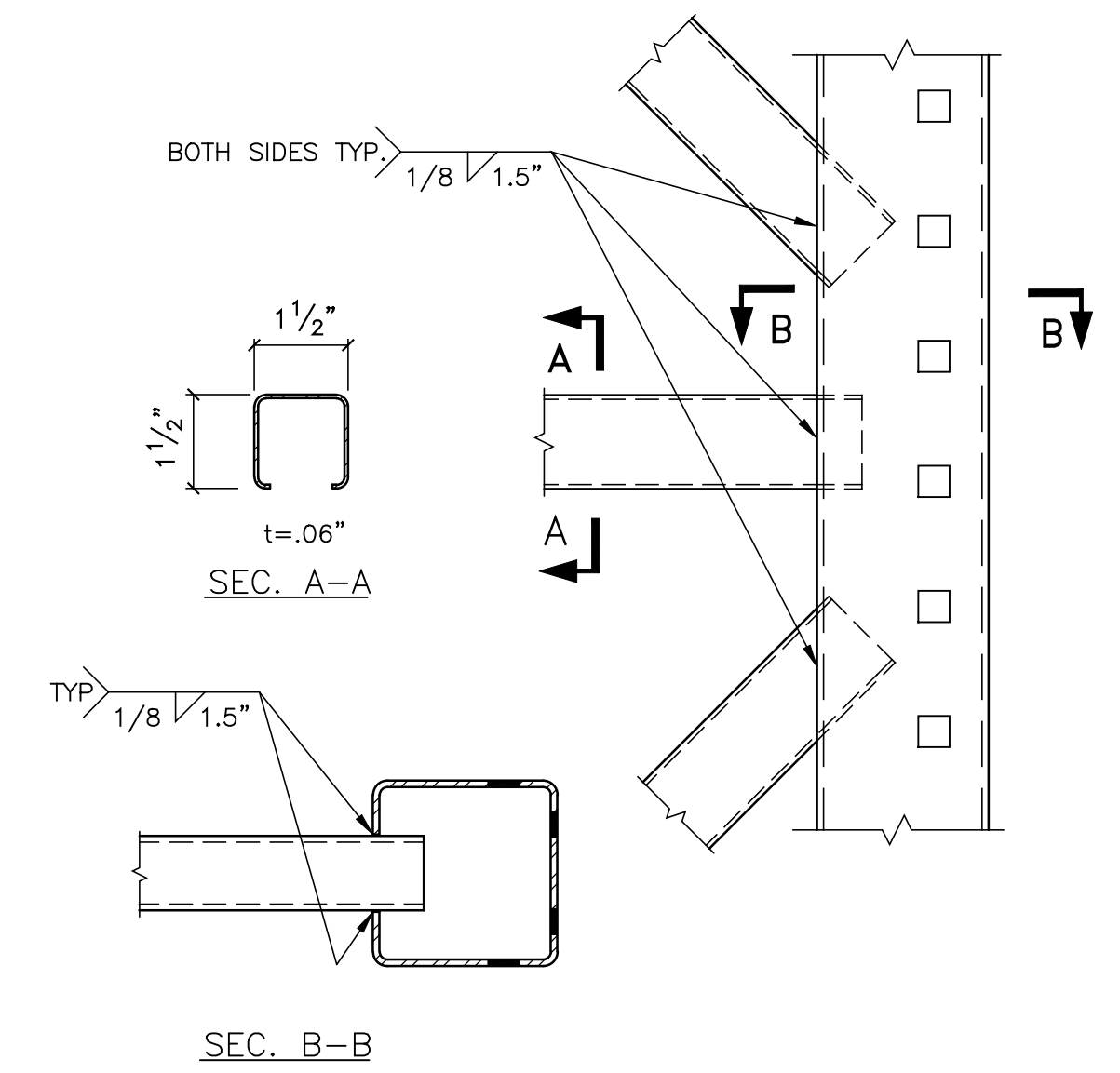
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STRUCTURAL ONLY



(2)-1/2" ANCHOR BOLTS PER BASE PLATE
3 1/2" EMB., (SEE NOTE NO. 4)



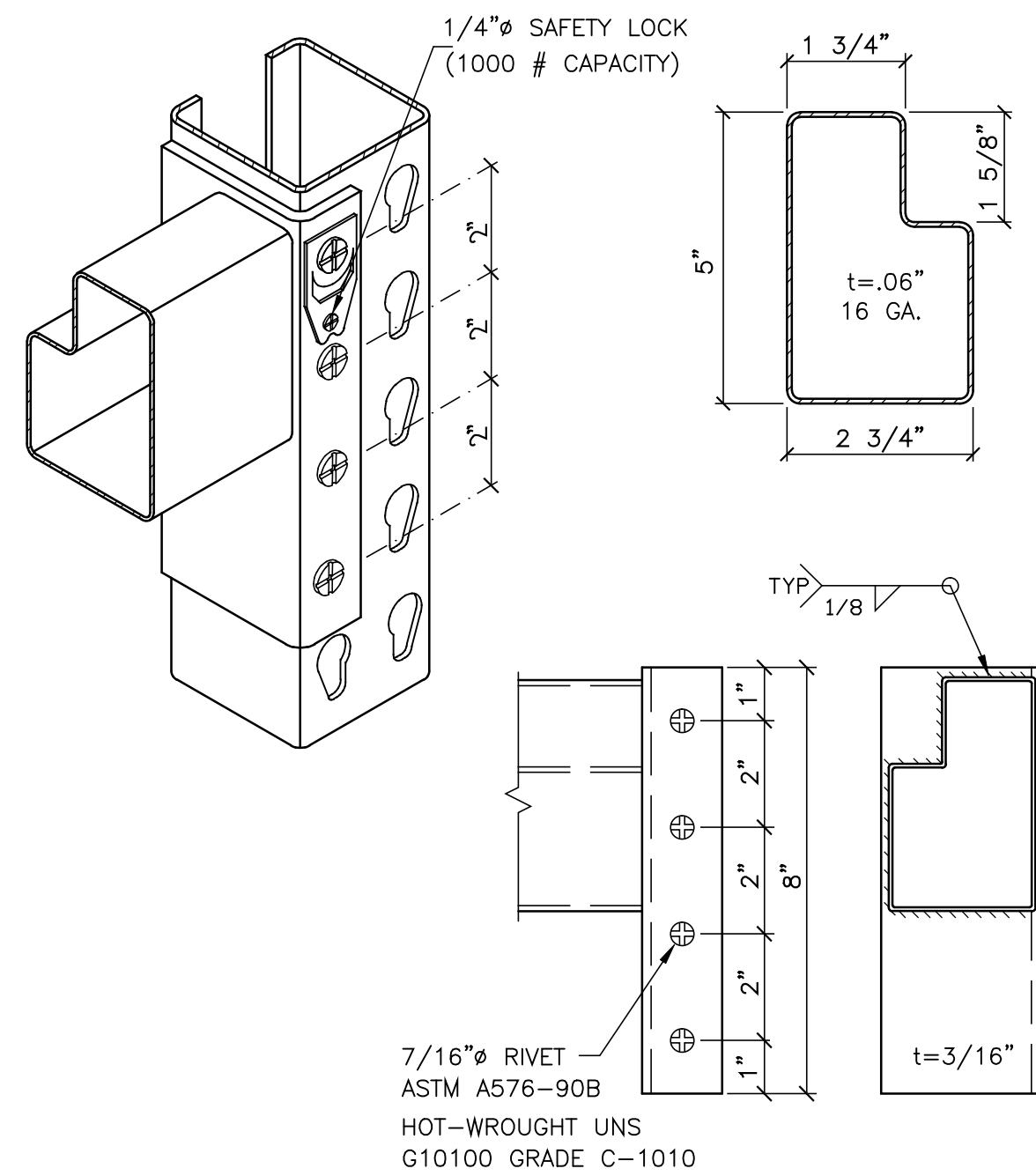
(1)-1/2" ANCHOR BOLTS PER BASE PLATE
3 1/2" EMB., (SEE NOTE NO. 4)



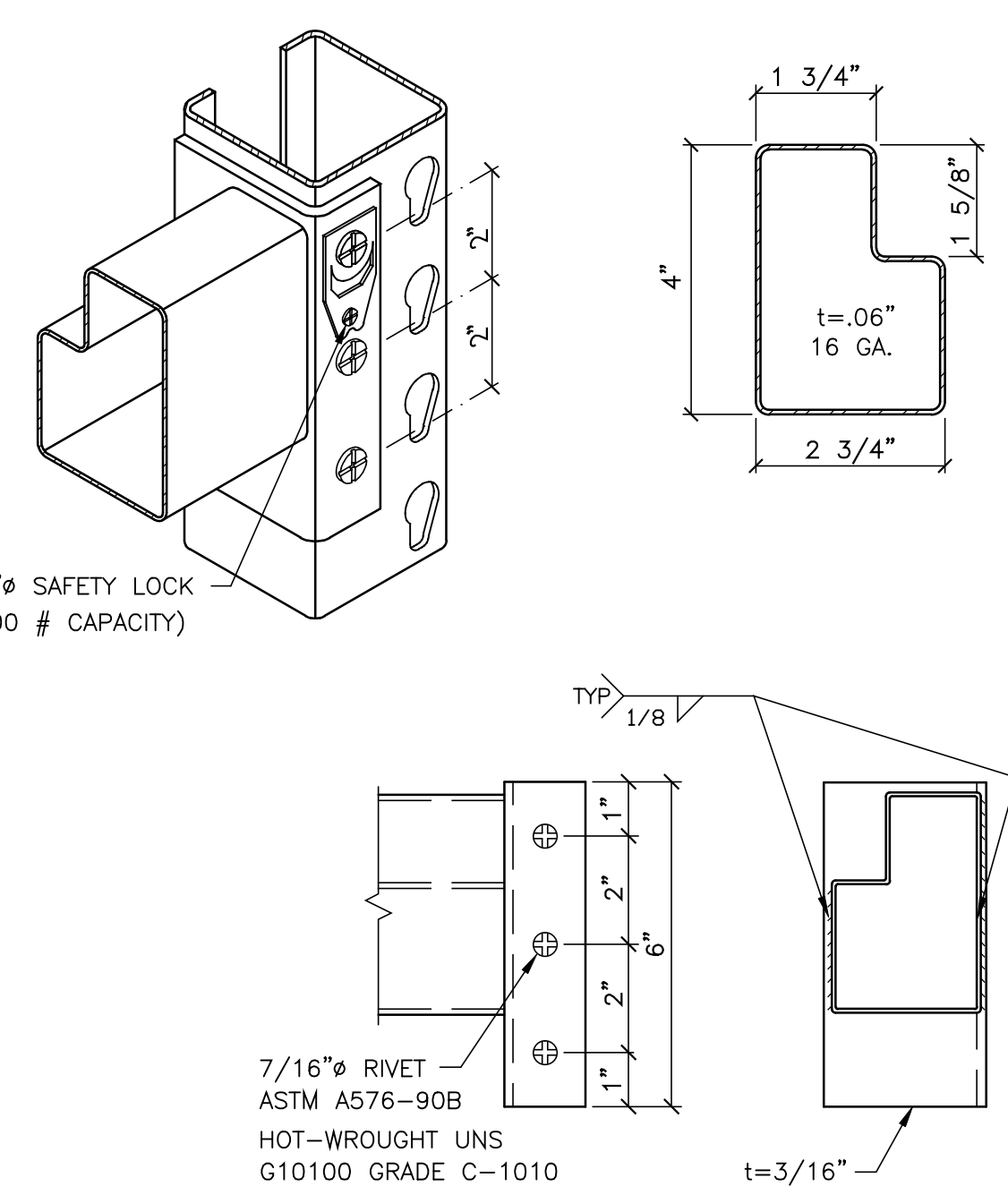
BASE PLATE DETAIL (120" TALL RACKS)

BASE PLATE DETAIL (96" TALL RACKS)

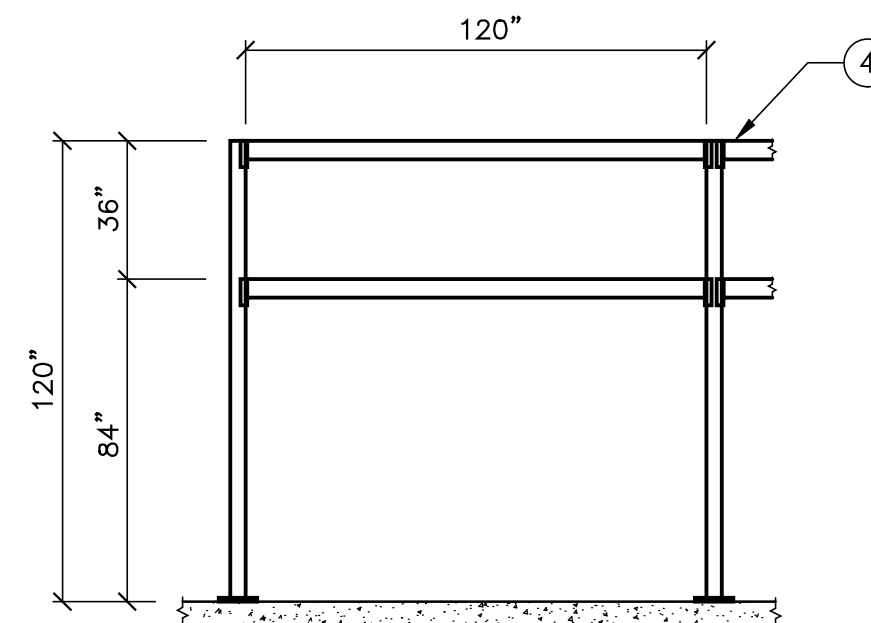
BRACING DETAIL



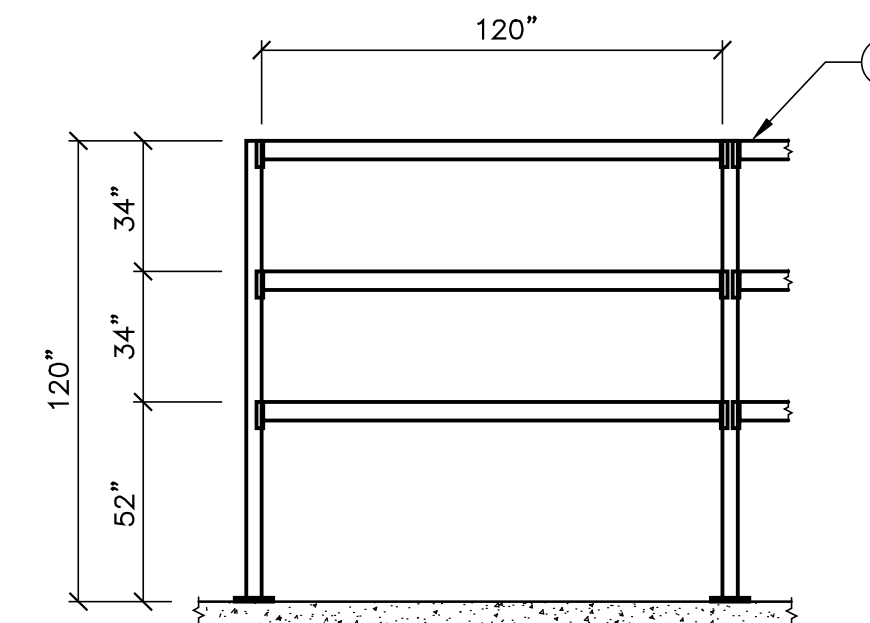
4 PIN CONNECTION



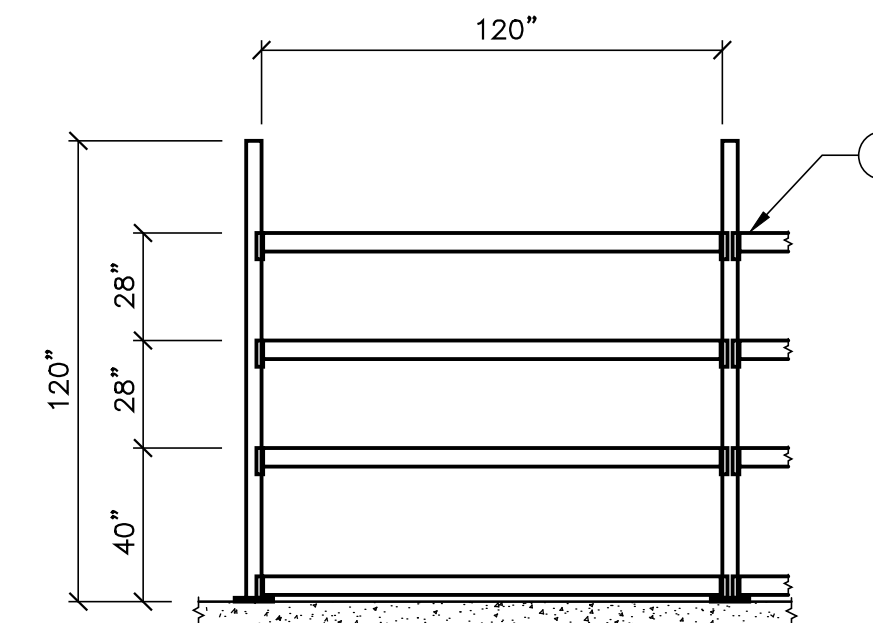
3 PIN CONNECTION



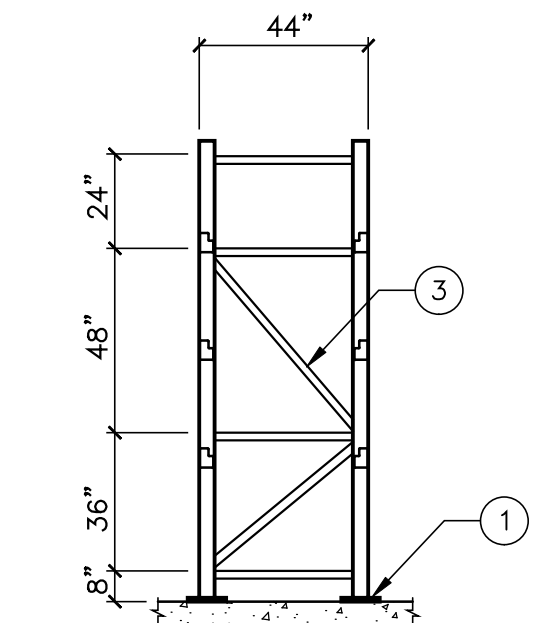
TYPE-A



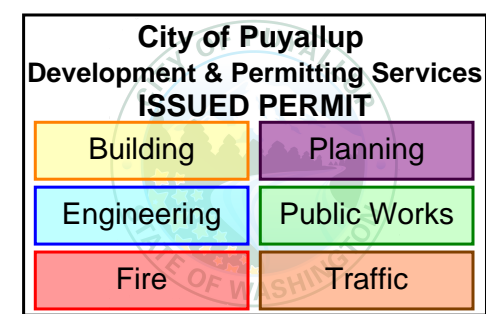
TYPE-B



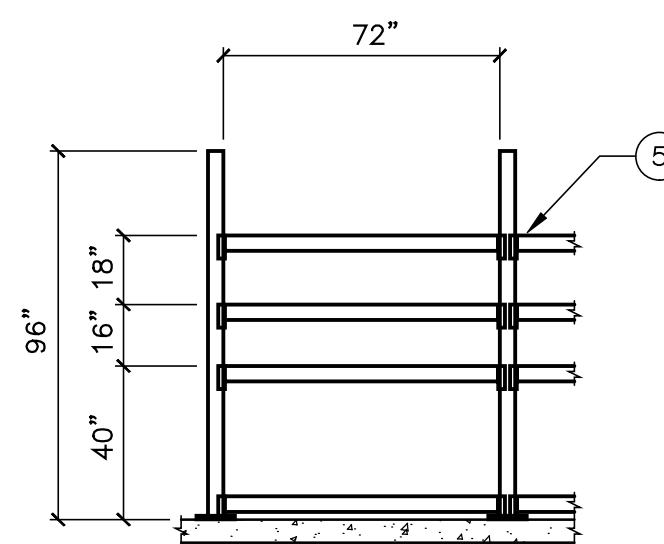
TYPE-F



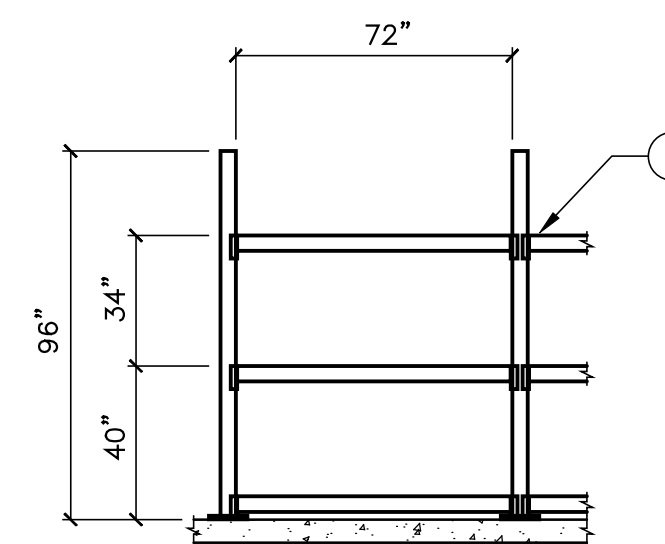
SIDE VIEW



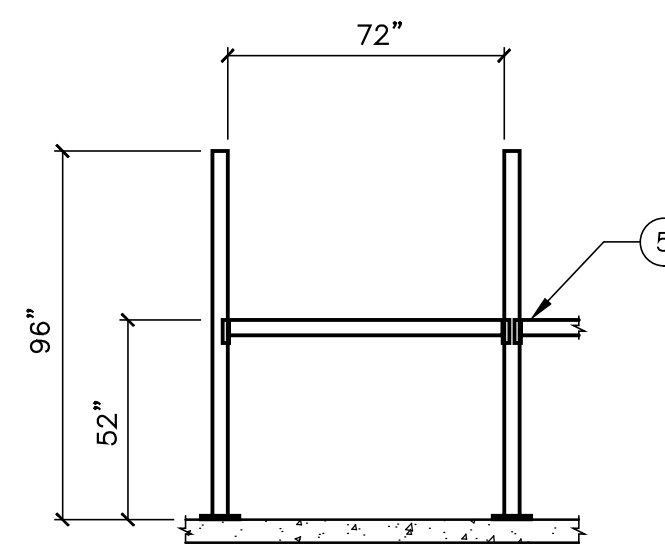
NOTES:
 1-DESIGN OF STEEL STORAGE RACKS AS SHOWN BY THESE DRAWINGS AND CALCULATIONS ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE IBC 2021, ASCE/SEI 7-16, ACI 318-19, RMI/ANSI MH16.1:2021
 2-STEEL FOR ALL SHAPES FY=55 KSI, ASTM A1011 GR.55 (EXCEPT AS NOTED)
 3-NO FIELD WELDING IN THIS PROJECT ALL WELDED CONSTRUCTION IN THE SHOP OF THE APPROVED FABRICATOR #FB01464 (E70XX ELECTRODES)
 4-ANCHORS HILTI KWIK BOLT-TZ2 ESR-4266 PERIODIC SPECIAL INSPECTION IS REQUIRED
 5-EXISTING CONCRETE SLAB 6" THICK 2500 PSI. SOIL BEARING CAPACITY 1000 PSF.
 6-STORAGE RACK CAPACITY: 2000 #/ LEVEL
 7-RACK INSTALLATIONS SHALL DISPLAY IN ONE OR MORE CONSPICUOUS LOCATIONS A PERMANENT SIGN OF 50 SQUARE INCHES IN AREA, SHOWING THE CAPACITY OF THE RACK, (2000 #/ LEVEL)
 8-STORAGE RACKS SHALL BE INSTALLED WITH A MAXIMUM TOLERANCE FROM THE VERTICAL OF 1/2" IN 10'-0" OF HEIGHT (TOP/BOTTOM OUT OF PLUMB RATIO 1/240) IN THE EVENT THIS RATIO EXCEEDS RACKS SHOULD BE UNLOADED AND REPLUMBED ANY DAMAGED PARTS MUST BE REPAIRED OR REPLACED
 9-THE CLEAR SPACE BELOW SPRINKLERS SHALL BE A MINIMUM OF 18 INCHES BETWEEN THE TOP OF THE STORAGE AND THE CEILING SPRINKLER DEFLECTOR.
 10-STORAGE RACK AREA NOT OPEN TO PUBLIC, EMPLOYEE ACCESS ONLY



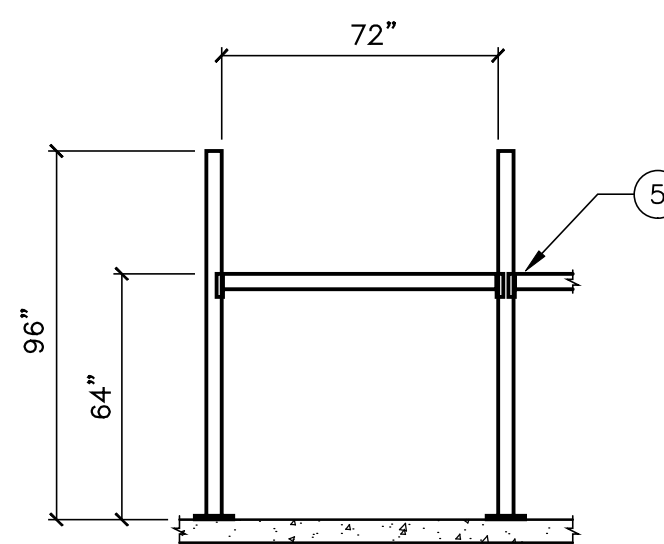
TYPE-A



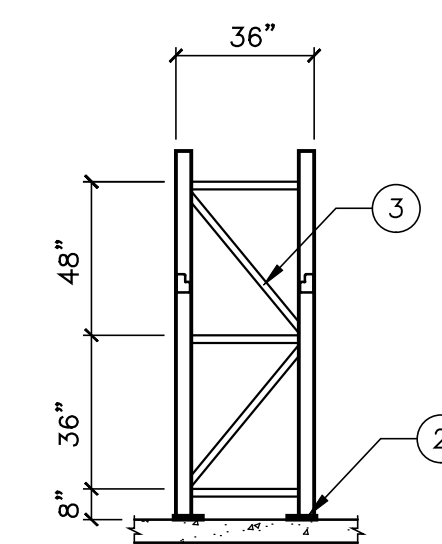
TYPE-B



TYPE-D

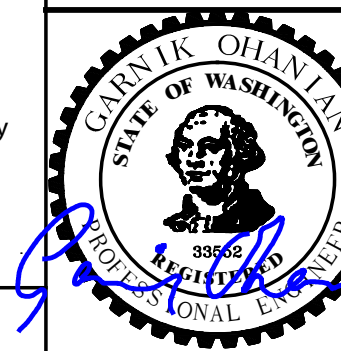


TYPE-E



SIDE VIEW

Digitally signed by Gamiik Ohanian
Date: 2023.05.30
11:11:19 -0700'

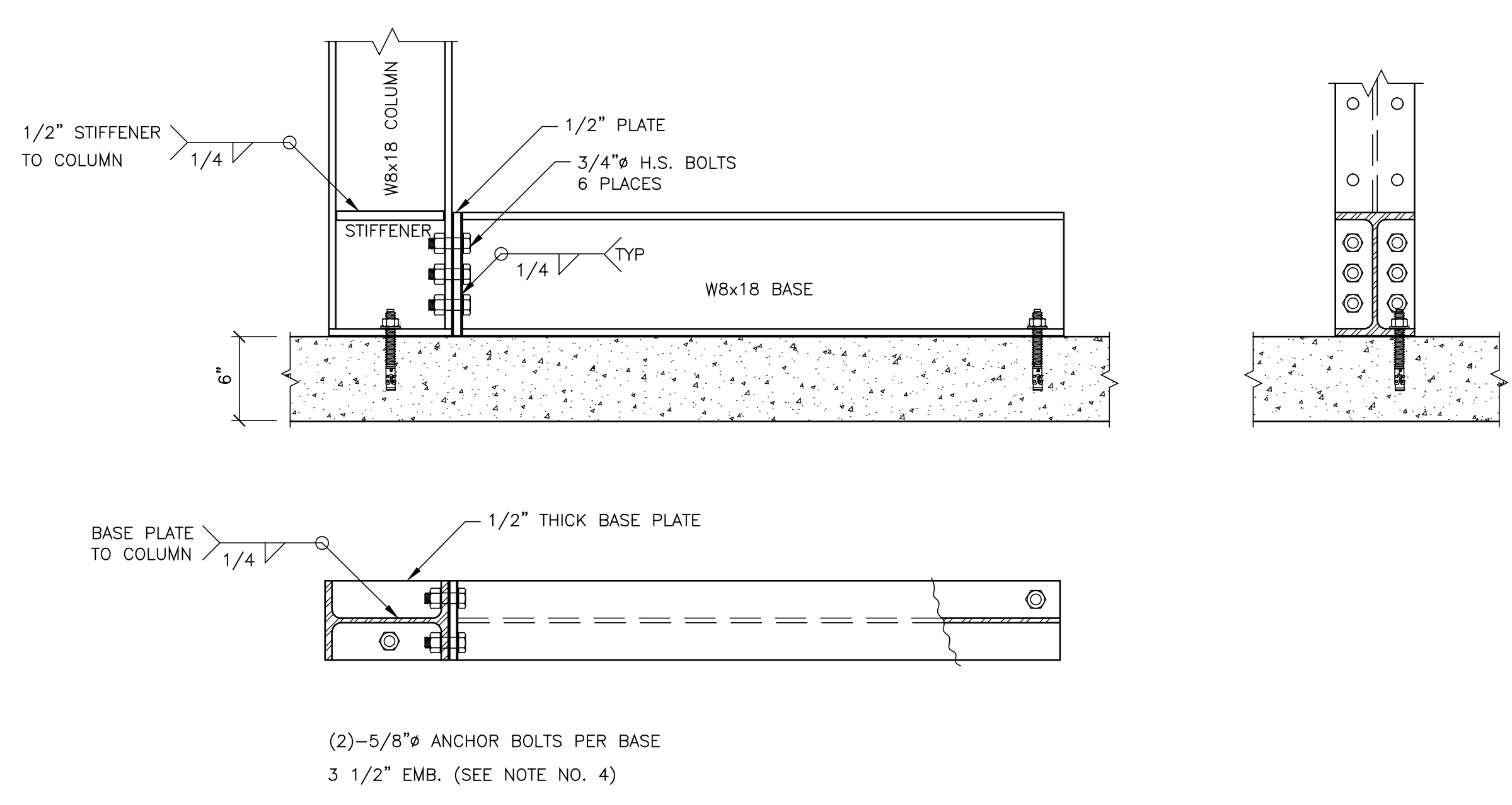


RACK DESIGN AND ENGINEERING
412 WEST BROADWAY, SUITE #204, GLENDALE, CA. 91204

SCALE: NONE
DATE: 5-29-2025
PROJECT: PUGET SOUND ENERGY
325 TODD ROAD NORTHWEST, PUYALLUP, WA 98371
JOB NO. RD-21700
SHEET NO. 1 OF 2

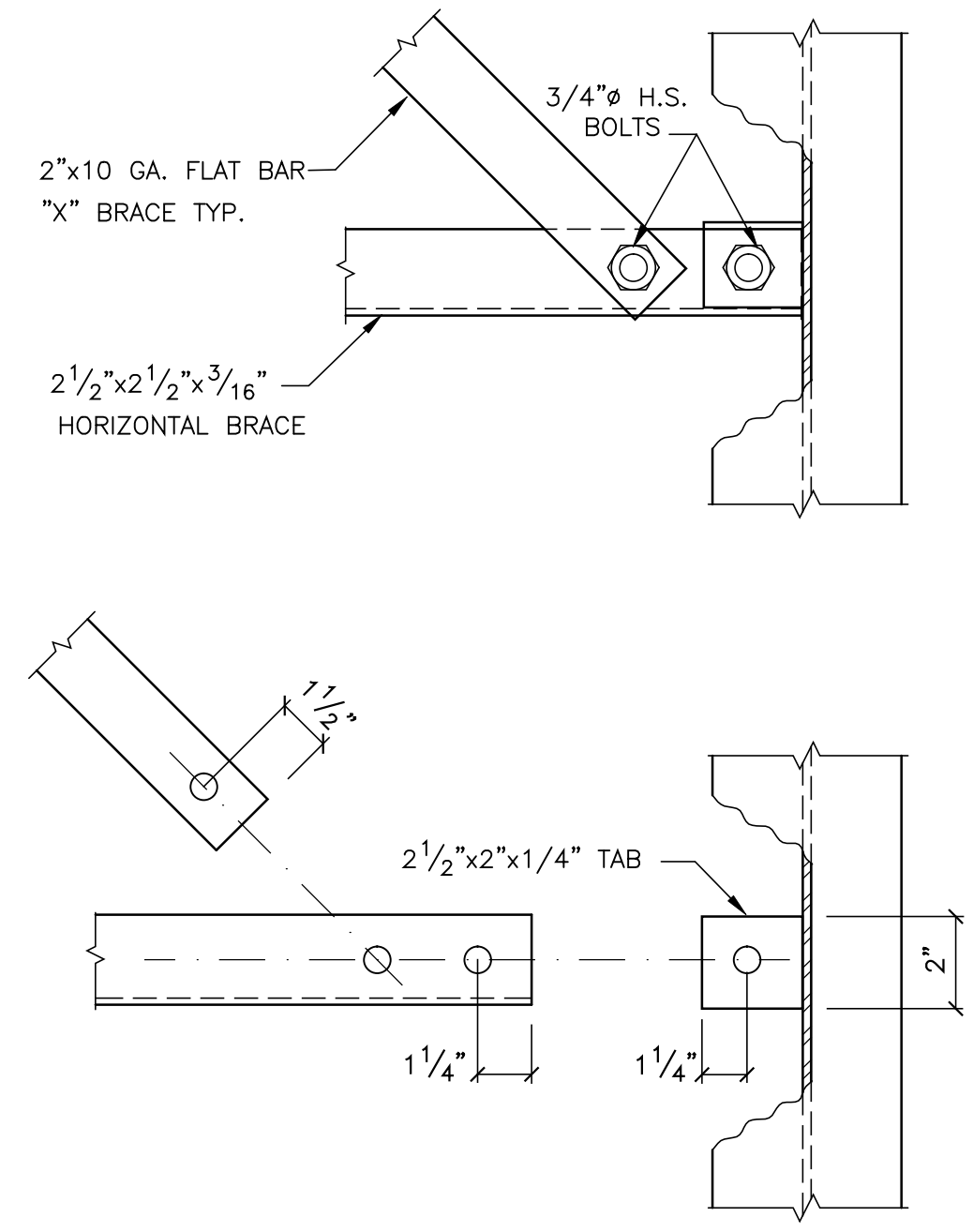
EXPIRES 12-26-25

PRCT120250781

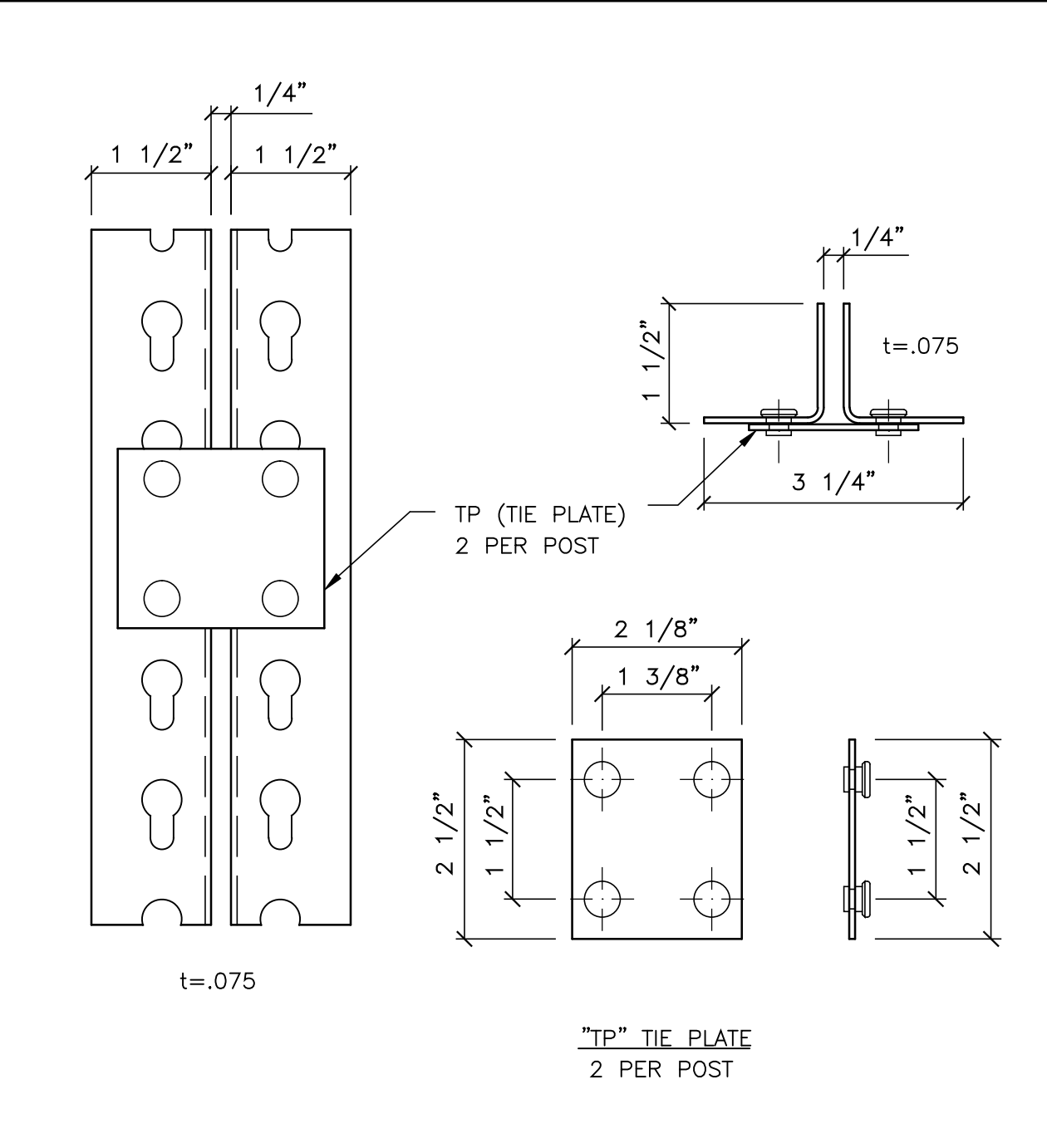
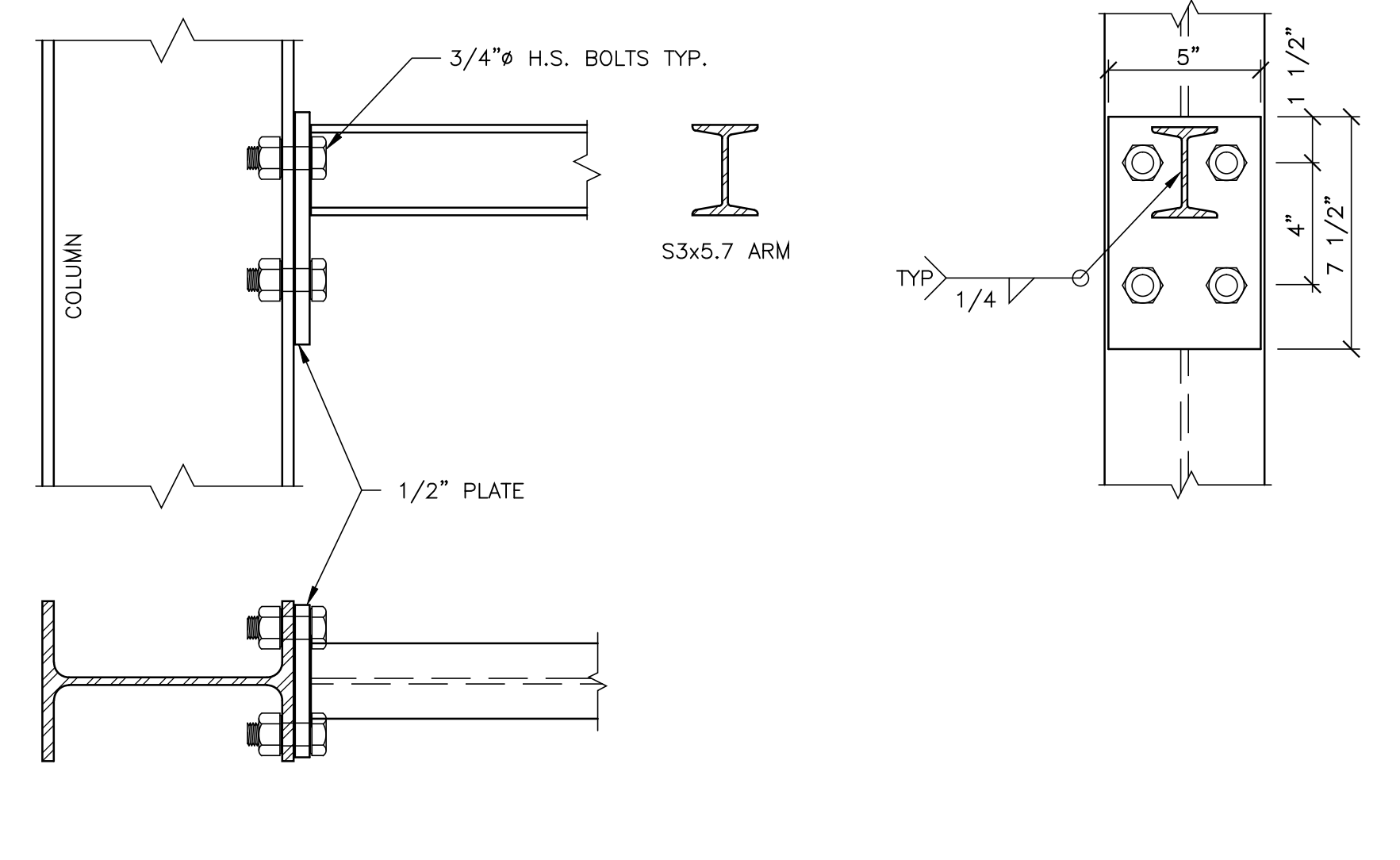


BASE DETAIL

1 "X" BRACING DETAIL

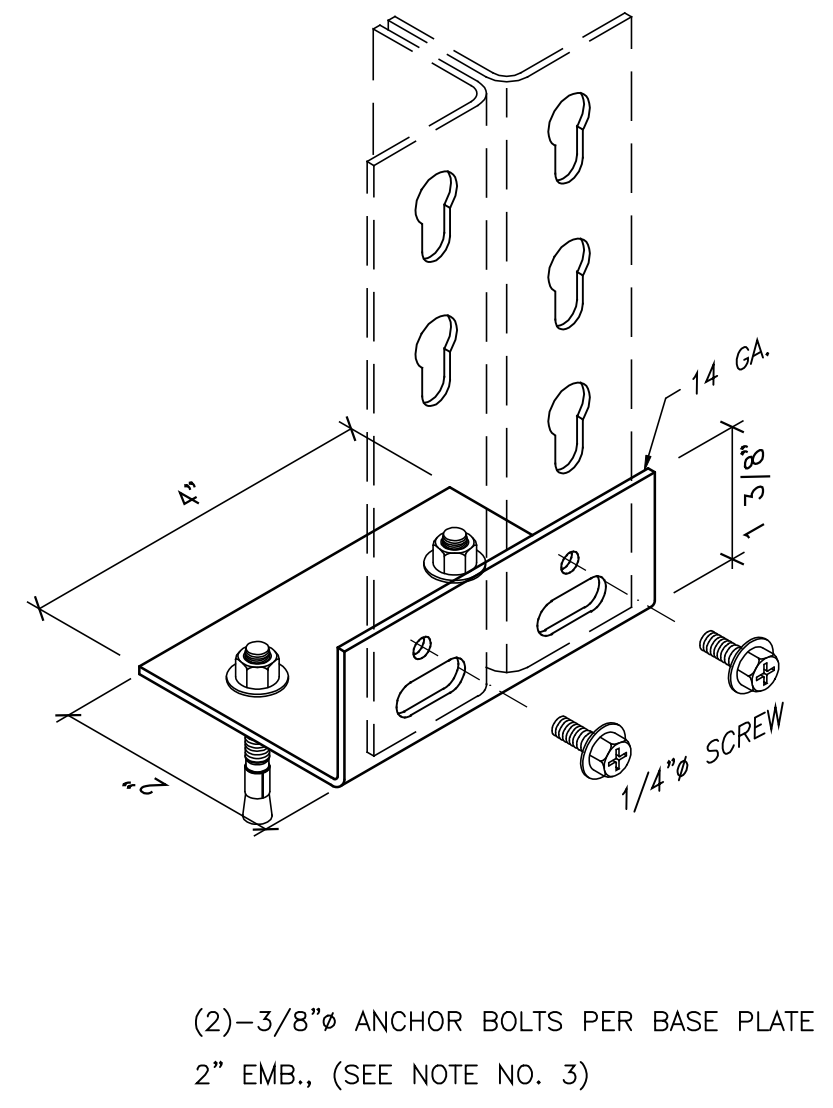


2 ARM DETAIL

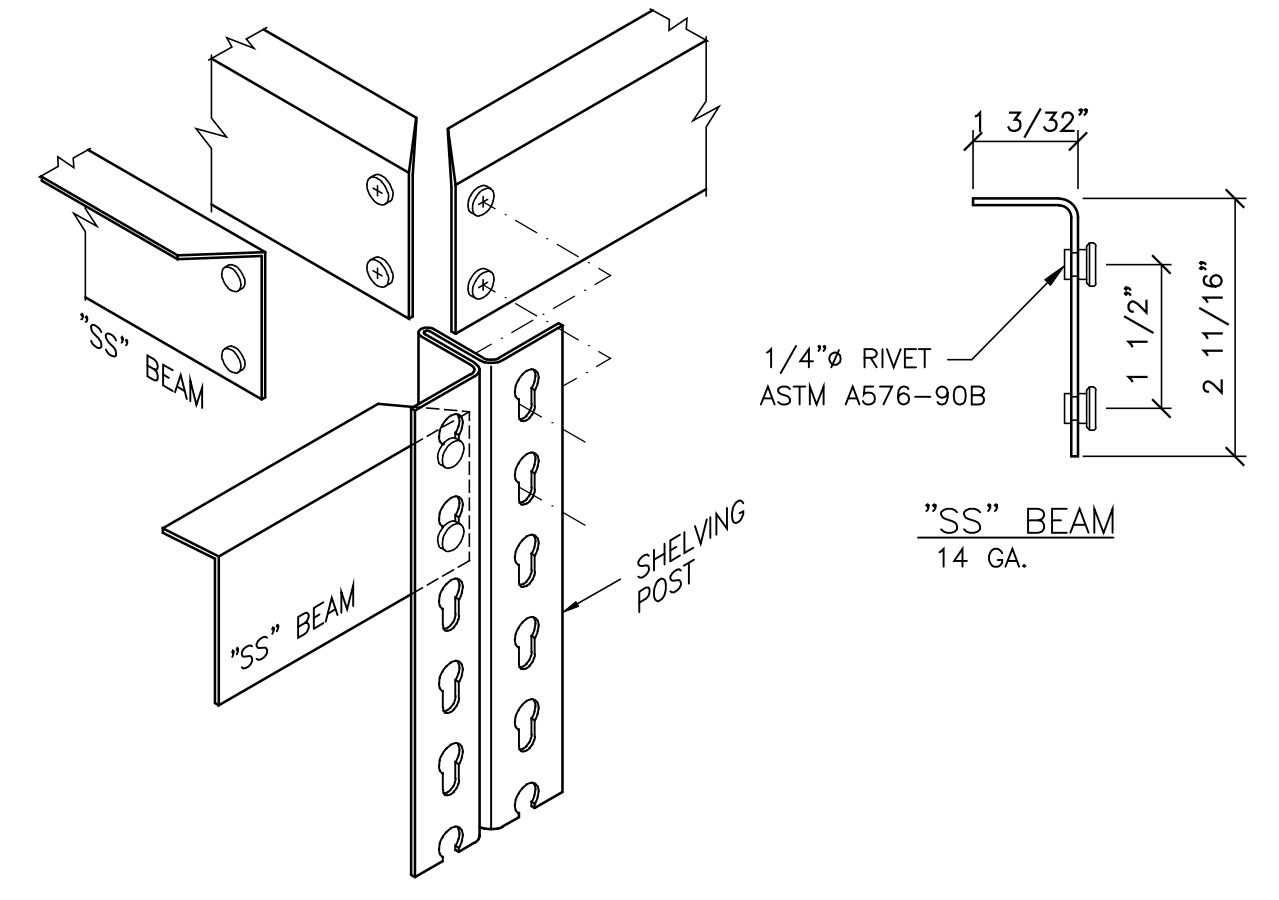


POST

4 BASE PLATE DETAIL



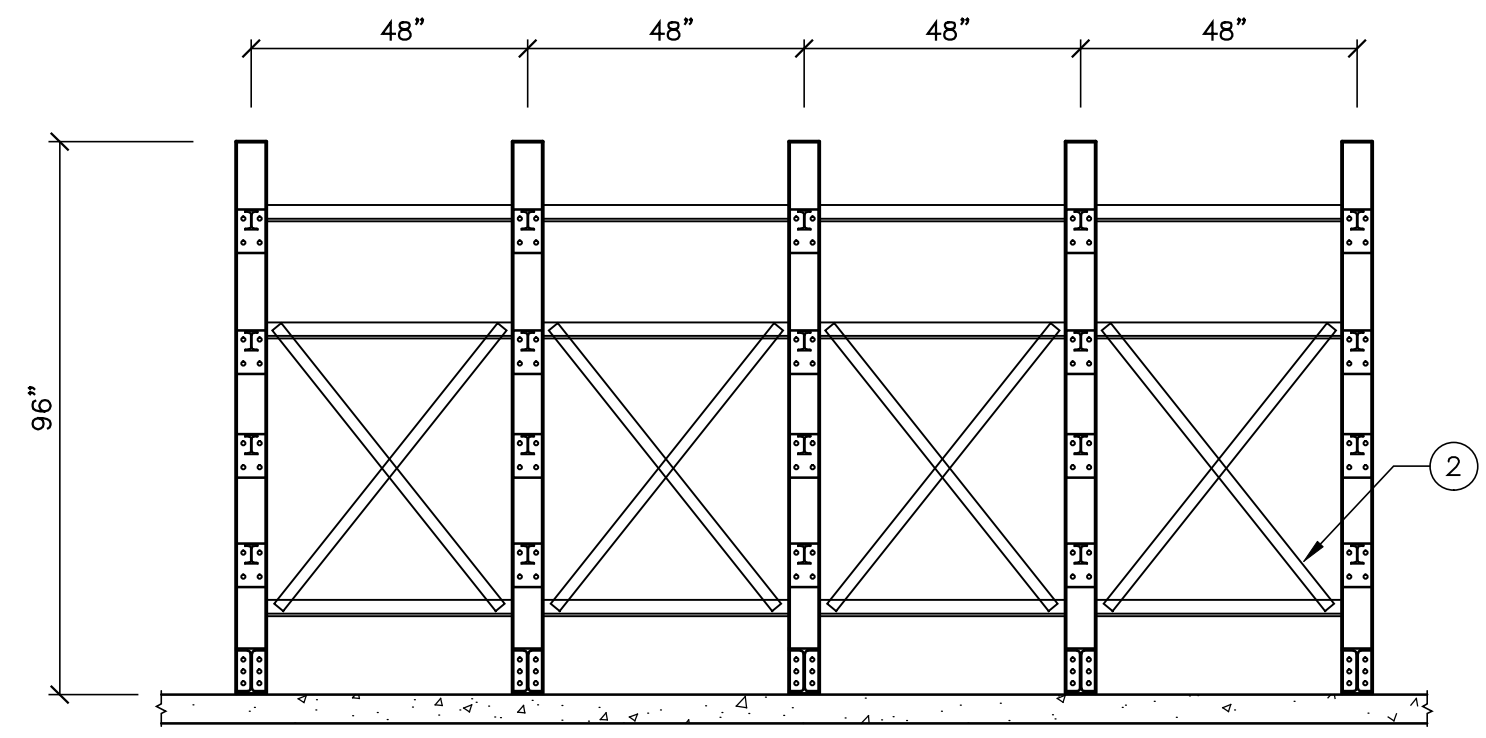
5 "SS" BEAM



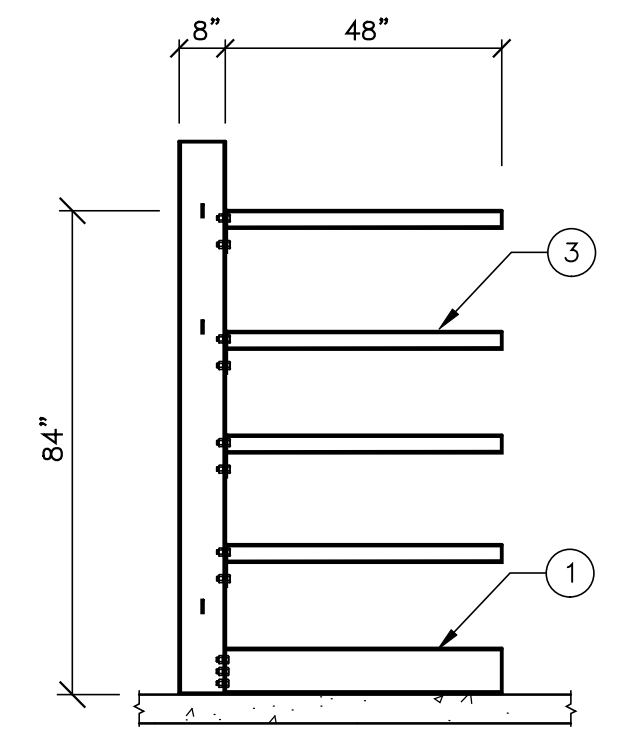
6

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

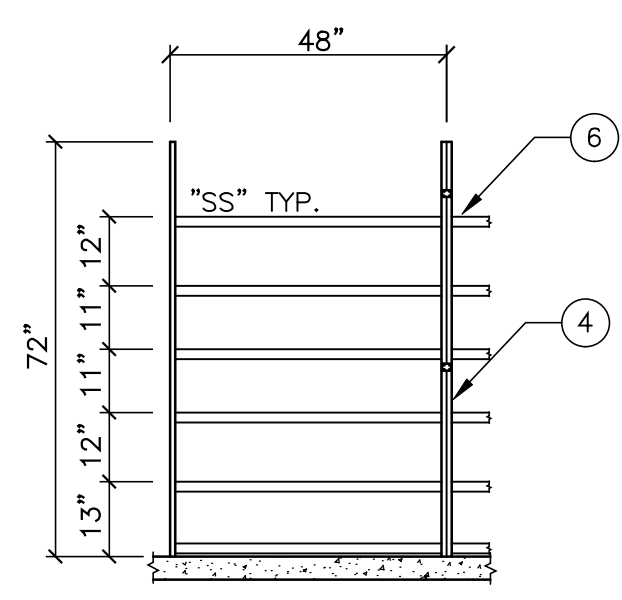
Building	Planning
Engineering	Public Works
Fire	Traffic



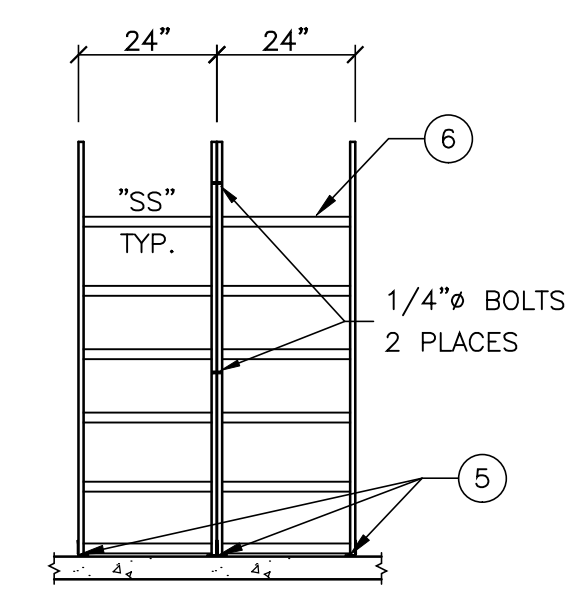
CANTILEVER RACK



SIDE VIEW



FRONT VIEW



SIDE VIEW

- NOTES:**
- DESIGN OF STEEL STORAGE RACKS AS SHOWN BY THESE DRAWINGS AND CALCULATIONS ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE IBC 2021, ASCE/SEI 7-16, ACI 318-19, RMI/ANSI MH16.1:2021 AND MH16.3:2016
 - STEEL FOR ALL SHAPES FY=50 KSI, ASTM A572 GR.50 (EXCEPT AS NOTED)
 - NO FIELD WELDING IN THIS PROJECT ALL WELDED CONSTRUCTION IN THE SHOP OF THE APPROVED FABRICATOR #FB01464 (E70XX ELECTRODES)
 - ANCHORS HILTI KWIK BOLT-TZ2 ESR-4266 PERIODIC SPECIAL INSPECTION IS REQUIRED
 - EXISTING CONCRETE SLAB 6" THICK 2500 PSI. SOIL BEARING CAPACITY 1000 PSF.
 - STORAGE RACK CAPACITY:
1000 #/ ARM AT CANTILEVER RACK
200 #/ LEVEL AT SHELVING
 - RACK INSTALLATIONS SHALL DISPLAY IN ONE OR MORE CONSPICUOUS LOCATIONS A PERMANENT SIGN OF 50 SQUARE INCHES IN AREA, SHOWING THE CAPACITY OF THE RACK, (1000 #/ ARM AND 200 #/ LEVEL)
 - STORAGE RACKS SHALL BE INSTALLED WITH A MAXIMUM TOLERANCE FROM THE VERTICAL OF 1/2" IN 10'-0" OF HEIGHT (TOP/BOTTOM OUT OF PLUMB RATIO 1/240) IN THE EVENT THIS RATIO EXCEEDS RACKS SHOULD BE UNLOADED AND REPLUMBED ANY DAMAGED PARTS MUST BE REPAIRED OR REPLACED
 - THE CLEAR SPACE BELOW SPRINKLERS SHALL BE A MINIMUM OF 18 INCHES BETWEEN THE TOP OF THE STORAGE AND THE CEILING SPRINKLER DEFLECTOR.
 - STORAGE RACK AREA NOT OPEN TO PUBLIC, EMPLOYEE ACCESS ONLY

Digitally signed by
Garnik Ohanian
Date: 2025.05.30
11:14:02 -07'00'



RACK DESIGN AND ENGINEERING
412 WEST BROADWAY, SUITE #204, GLENDALE, CA. 91204

SCALE: NONE	DRAWN BY: AS#
DATE: 5-29-2025	
PROJECT: PUGET SOUND ENERGY	
325 TODD ROAD NORTHWEST, PUYALLUP, WA 98371	
STORAGE SHELVING DETAILS	JOB NO. RD-21700 SHEET NO. 2 OF 2

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