

RED DOT CORPORATION

RED DOT SHOP TI - MANUFACTURING PERMIT

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance 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.

PRCTI20230447

NELSON

Nelco Architecture, Inc.

1200 Fifth Ave.
Suite 1300
Seattle, WA 98101
Phone: (206) 408-8500
WWW.NELSONWORLDWIDE.COM



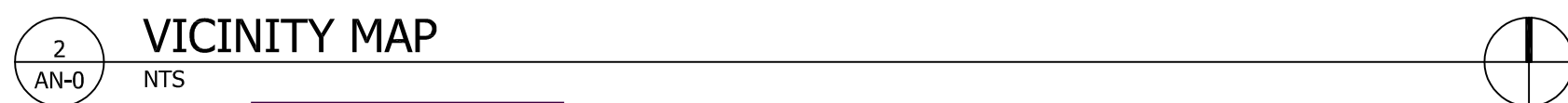
APPROVED BY: _____
Initials _____
Date _____

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 LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION

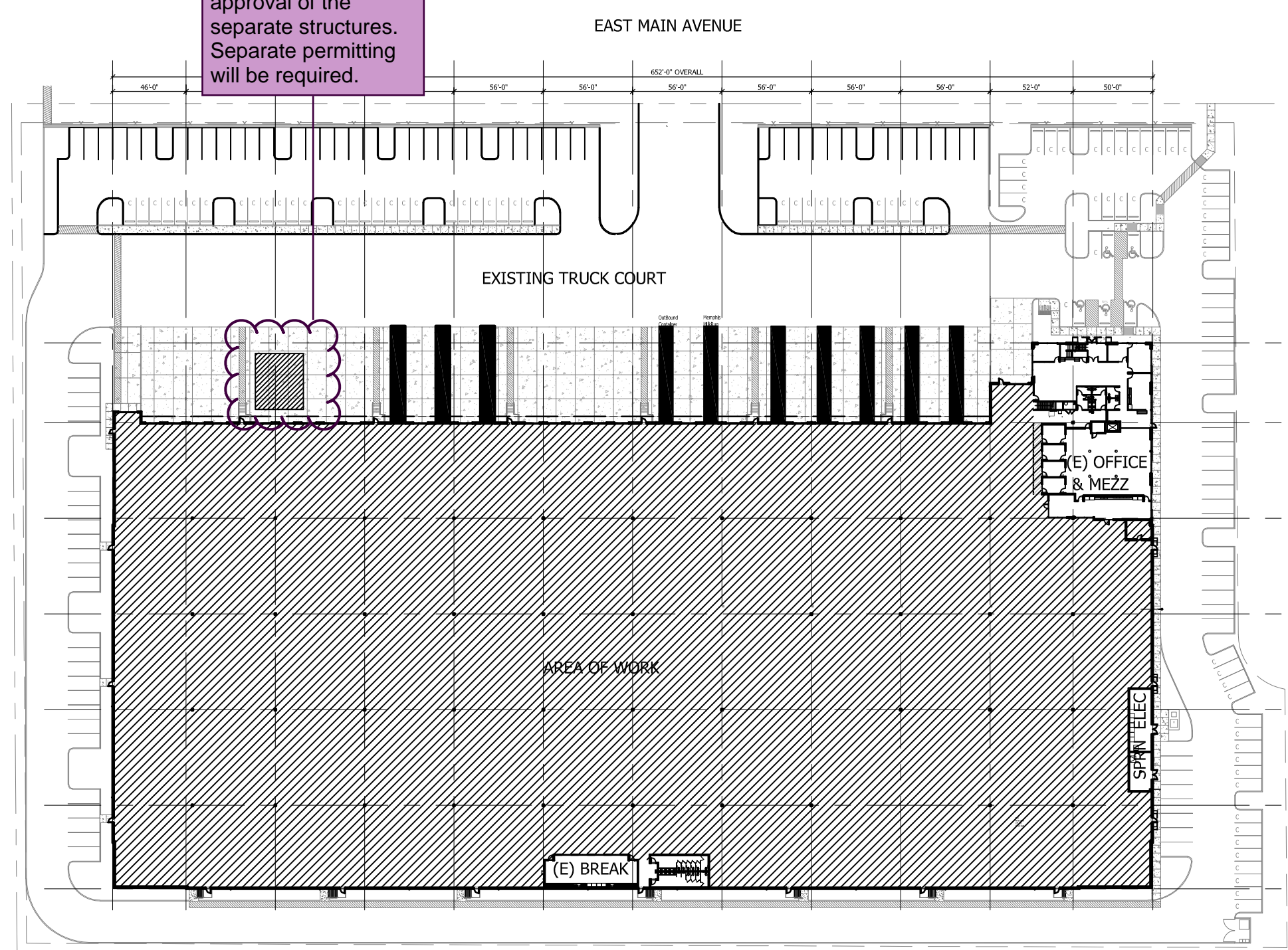


PROJECT SITE IMAGE FROM PIERCE COUNTY PARCEL VIEWER



VICINITY MAP

The approval of this tenant improvement permit (PRCTI20230447) does not include the approval of the separate structures. Separate permitting will be required.



SITE/BUILDING PLAN

SHEET NUMBER	SHEET TITLE	SHEET ISSUE DATE	REVISION ISSUE DATE	DRAWING REVISION NUMBER
GENERAL				
AN-0	COVER SHEET	02/08/2023	04/06/2023	
AN-1	LIFE SAFETY PLAN	02/08/2023		
AN-3	GENERAL NOTES AND ABBREVIATIONS	02/08/2023		
AN-4	ENERGY CODE COMPLIANCE	02/08/2023		
ARCHITECTURAL				
A2.1	OVERALL MANUFACTURING SHOP FLOOR PLAN	02/08/2023	04/06/2023	
A2.2	ENLARGED SHOP FLOOR PLAN - WEST	02/08/2023	04/06/2023	
A2.3	ENLARGED SHOP FLOOR PLAN - EAST	02/08/2023	04/06/2023	
STRUCTURAL				
S0.1	STRUCTURAL NOTES	04/06/2023		
S2.0	STRUCTURAL DETAILS	04/06/2023		
S2.1	ANCHORAGE DETAILS	04/06/2023		
S2.2	FOUNDATION DETAILS	04/06/2023		
PLUMBING				
P0.0	PLUMBING INDEX, NOTES, DIAGRAMS	02/17/2023	04/26/2023	1
P3.0	PLUMBING SITE PLAN - CA, O2, N2, CHW	02/17/2023	04/26/2023	1
P3.1	PLUMBING ENLARGED PLAN - CA, O2, N2, CHW	02/17/2023	04/26/2023	1
P3.2	PLUMBING ENLARGED PLAN - CA, O2, N2, CHW	02/17/2023	04/26/2023	1
EGRESS LIGHTING				
1	EGRESS PLAN LIGHTING	04/26/2023		
2	LUMINAIRE SCHEDULE AND CALCULATIONS	04/26/2023		
3	GREY PHOTOMETRIC	04/26/2023		
4	COLOR PHOTOMETRIC	04/26/2023		

SPECIAL 3RD PARTY INSPECTIONS REQUIRED:
Field Test Commissioning to verify performance of the fans and validate the required engineers 3000 CFM per fan called out by Coffman Engineers. Per Coffman Engineering – Louvered outside air ventilation requires confirmation once equipment is installed to verify performance to ensure minimum system airflows of 500 FPM. Industrial Gas Fired Ovens require dedicated exhaust and will need to be independently ducted to exterior of building and terminate outside in accordance with the requirement of the IMC. Minimum airflow rates shall be achieved with the final installation and inspected to verify exhaust fan capacities. Engineer of record to complete and determine compliance with this standard. Welding and Brazing Stations/Weld Hoods - Engineer of record to specify the equipment and confirm compliance with standard. 3rd party commissioning and initial testing is required by ERO and provide final reports to inspector.

PROJECT DIRECTORY

CLIENT: RED DOT CORPORATION
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TUKWILA, WA 98188
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EMAIL: TODDTHURNAU@REDDOTCORP.COM
NELSON WORLDWIDE
ARCHITECT: MARK EVANS
1200 FIFTH AVE, #1300
SEATTLE, WA 98101
TEL: 206.408.8519
EMAIL: MEVANS@NELSONWW.COM
STRUCTURAL: AHBL, INC
ATTN: DREW McEACHERN
2215 NORTH 30TH ST, SUITE 300
TACOMA, WA 98403
TEL: 253.383.2422
EMAIL: DMCEACHERN@AHBL.COM
GENERAL CONTRACTOR: POE CONSTRUCTION
ATTN: CLAY JOHNSON
1519 WEST VALLEY HIGHWAY NORTH, SUITE 103
AUBURN, WA 98001
TEL: 206.406.3422
EMAIL: APFLUEGER@AHBL.COM

BUILDING INFORMATION

SITE ADDRESS: 2504 EAST MAIN AVENUE
PUYALLUP, WA 98372
PARCEL NUMBER: 0420264065
LEGAL DESCRIPTION: SECTION 26 TOWNSHIP 20 RANGE 04 QUARTER 31 LOT COMB 2020-09-17-0229 BEG AT NE COR OF ACKERSONS 2ND ADD ON E LI OF R. NIX D/LC TH N 88 DEG 50 MIN 04 SEC W 800 FT TH N 00 DEG 30 MIN 31 SEC E 532.66 FT TH S 89 DEG 01 MIN 50 SEC E 799.95 FT TH S 00 DEG 30 MIN 22 SEC W 535.4 FT TO POB EASE OF REC COMB OF 04-20-26-3-700 & 4-038 SEG 2021-0156 JP 09/30/20 JP
ZONING: ML LIMITED MANUFACTURING
CONSTRUCTION TYPE: IIIIB
FIRE PROTECTION: FULLY SPRINKLERED
BUILDING TOTAL FLOOR AREA: 198,146 SF
OCCUPANCY TYPE: F-1 (MANUFACTURING) / B (OFFICE)
PROPOSED SUITE AREA: 4,297 SF OFFICE (NEW) (B)
4,829 SF MEZZANINE OFFICE (NEW) (B)
3,220 SF OFFICE (EXISTING) (B)
2,718 SF MEZZANINE OFFICE (EXISTING) (B)
185,625 SF MANUFACTURING (F-1)
200,689 SF TOTAL

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2018 INTERNATIONAL FIRE CODE (IFC)
2018 UNIFORM PLUMBING CODE (UPC)
2018 INTERNATIONAL MECHANICAL CODE (IMC)
2018 INTERNATIONAL FUEL GAS CODE (IFGC)
2018 NATIONAL ELECTRICAL CODE (NEC)
2018 WASHINGTON STATE AMENDMENTS
2018 WASHINGTON STATE ENERGY CODE
2017 ICC/ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
2018 IBC SECTION 429 WASHINGTON STATE AMENDMENTS

PARKING REQUIREMENTS

	TOTAL (SF)	RATIO	STALLS REQD	ADA STALLS REQD	STALLS PROVIDED	ADA STALLS PROVIDED
MANUFACTURE/BREAK	19,340	1/500	39			
OFFICE NEW & EXIST	15,064	1/300	51			
TESTING/PROTOTYPE	14,511	1/1,000	15			
STORAGE/CIRCULATION	151,774	1/3,000	51			
TOTAL	200,689		156	6	190	5

DEFERRED ITEMS RED DOT AGREED TO ADDRESS WITH MANUFACTURING PERMIT PRCTI20230447

Provide engineering mechanical analysis and design to meet the design criteria recommended from Coffman Engineering for ventilation, outside air, etc. noted in their response. Include UL or other National Testing Laboratory verification per IMC Section 301. Compressed Gas Distribution Systems – reference #7 comments for items that need to be submitted for installation and verification of system by licensed engineer. Provide list of all deferred items to address when revision is submitted. Include sheet S0.2 of special inspections required from Engineer of Record. Address all outstanding comments from Building, Fire and Engineering in submitted revision to work through remaining phases.

PROJECT DESCRIPTION

INSTALLATION OF MANUFACTURING EQUIPMENT AND MACHINES, CRANE STRUCTURE, ASSEMBLY AND TESTING WORK STATIONS AND STORAGE RACKING WITHIN AN EXISTING WAREHOUSE BUILDING. THIS SUBMITTAL ADDRESSES EXISTING SLAB MODIFICATIONS FOR NEW EQUIPMENT FOUNDATIONS AND EQUIPMENT ANCHORAGE.

DEFERRED SUBMITTALS

- FIRE SPRINKLER
- FIRE ALARM
- GENERATOR
- RACKING
- MODULAR UNITS
- STORAGE TANKS
- FIRE SUPPRESSION FOR PAINT BOOTH
- PAINT BOOTH EXHAUST SUPPORTS
- OVENS
- ENVIRONMENTAL TEST CHAMBER
- INTERIOR FENCING
- LOUVERED DOOR SECTION
- DRAINS AND VENTS
- EMERGENCY RADIO
- BUILDING SIGNS

REFERENCE UPDATED DEFERRED SUBMITTALS LIST BELOW

Add City of Puyallup Discharge Report to this Deferral List.

LIGHTING REQUIREMENTS

SCOPE OF WORK TO MEET OR EXCEED CURRENT WA STATE LIGHTING REQUIREMENTS.

ENERGY REQUIREMENTS

SCOPE OF WORK TO MEET OR EXCEED CURRENT WA STATE ENERGY REQUIREMENTS.

SHELL IS A SEMI-HEATED BUILDING AS DEFINED BY THE 2015 WASHINGTON STATE ENERGY CODE. WAREHOUSE SPACE TO BE HEATED BY GAS FIRED UNIT HEATERS WITH A MAXIMUM OUTPUT OF 8 BTU/H/SF; COOLING IS NOT PROVIDED. OFFICE SPACE TO BE FULLY CONDITIONED.

NEW DEMISING WALL BETWEEN CONDITIONED / SEMI-CONDITIONED SPACES MEETS WSEC PRESCRIPTIVE STANDARD, SEE 3/A8.1.

ROOF: CALCULATED RIGID INSULATION VALUE: R-35, CONTINUOUS ABOVE DECK.

SLAB INSULATION IS EXCLUDED.

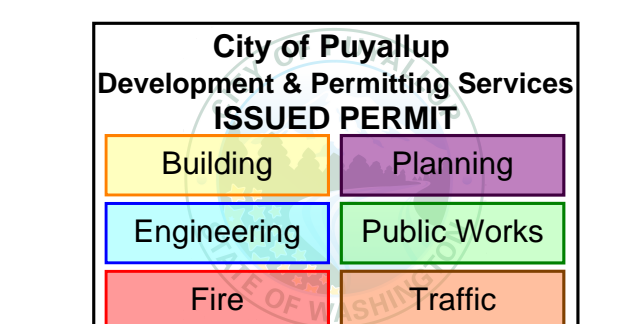
ENERGY CODE COMPLIANCE (EXISTING BUILDING)

THE EXISTING BUILDING IS SEMI-HEATED WAREHOUSE DESIGNED AND APPROVED PER THE 2015 WASHINGTON STATE ENERGY CODE. THIS TENANT IMPROVEMENT INCLUDES FULL CONDITIONING OF OFFICE AREAS AND REMOTE WAREHOUSE BREAKROOM AND RESTROOM AREAS IN COMPLIANCE WITH THE 2018 WASHINGTON STATE ENERGY CODE, COMMERCIAL PROVISIONS, USING THE COMPONENT PERFORMANCE APPROACH. SEE ENVELOPE SUMMARY ON ENERGY CODE COMPLIANCE SHEET AN-4 FOR ADDITIONAL INFORMATION.

HEATING: OFFICE AREAS TO BE HEATED BY FORCED AIR HVAC SYSTEM BY DESIGN BUILD CONTRACTOR (DEFERRED SUBMITTAL)
ROOF INSULATION: EXISTING RIGID INSULATION VALUE: R-35, CONTINUOUS ABOVE DECK
WALLS TO 12'-0" AFF: R=21, U=0.090
WALLS TO 12'-0" AFF TO ROOF: R=25, U=0.038
SLAB ON GRADE: NO INSULATION
HM MAN DOORS: U= 0.37 MAX
ROLL-UP DOORS: MIN R= 17.5, U= 0.057
VERTICAL FENESTRATION, FIXED: U= 0.38 MAX, SHGC= 0.40 MAX
STOREFRONT ENTRANCES: U= 0.60 MAX, SHGC= 0.40 MAX
SKYLIGHTS: U= 0.50, SHGC= 0.35

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PERMIT RESUBMITTAL 2		02/17/2023
MANUFACTURING PERMIT		04/06/2023
MANUFACTURING RESUBMIT		04/26/2023



PRCTI20230447

GENERAL INFORMATION AND SITE PLAN

Proj. No: 21.0000440.000 Reviewed By:

AN-0

Finalize foundation only permit PRCTI20221709

prior to installing equipment.

GENERAL NOTES

- GC TO PROVIDE REQUIRED PORTABLE FIRE EXTINGUISHERS IN OCCUPANCIES AND LOCATIONS AS REQUIRED PER SECTION 906 IN THE INTERNATIONAL FIRE CODE. MOUNTING HEIGHTS TO MEET THE PROVISIONS OF ANSI A117.1 - 308 (48" MAX). CABINET SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, CORRIDORS, PASSAGEWAYS, OR AISLES. LOCATE CABINET(S) 75-FOOT MAXIMUM TRAVEL DISTANCE TO REACH THE EXTINGUISHER, (1) 2A EXTINGUISHER TO COVER MAXIMUM FLOOR AREA OF 3,000 SF. LOCATIONS TO BE REVIEWED WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- CENTER LOCATION OF NEW WALL CONSTRUCTION ON EXISTING COLUMNS, PIER, JOISTS OR WINDOW MULLION, AS SHOWN.

EGRESS CODE SUMMARY

- A. MAX. TRAVEL DISTANCE B OCCUPANCY: 300' W/ SPRINKLERS (TABLE 1017.2)
MAX. TRAVEL DISTANCE F-1 AND S-1 OCCUPANCY: 400' (SEC 1017.2.2)
1. ONE STORY HEIGHT (YES SEE 4/AB.1)
2. 24' MIN. CLEAR HEIGHT (32' PROVIDED)
3. FULLY SPRINKLERED
- B. MAX. COMMON PATH OF EGRESS TRAVEL: 100' (TABLE 1006.2.1)
MAX. COMMON PATH OF EGRESS TRAVEL: 75' (>30 OL WITHOUT SPRINKLERS) (TABLE 1006.2.1)

OCCUPANT LOAD:

(IBC 1004.1 TABLE 1004.1.2)

ASSEMBLY (SHOP BREAKROOM) - A-2 (NEW)	1,160 SQ FT / 15 = 78
ASSEMBLY (CONFERENCE, BREAKROOM) - B (NEW)	1,146 SQ FT / 15 = 77
1ST FLOOR OFFICE - B (NEW)	3,551 SQ FT / 150 = 24
MEZZANINE OFFICE - B (NEW)	4,429 SQ FT / 150 = 30
OFFICE - B (EXISTING)	5,938 SQ FT / 150 = 40
MANUFACTURING & TESTING - F-1 (NEW)	32,691 SQ FT / 200 = 164
TEMPORARY STORAGE & CIRCULATION - F-1 (NEW)	151,774 SQ FT / 500 = 304
TOTAL	200,689 SQ FT = 717

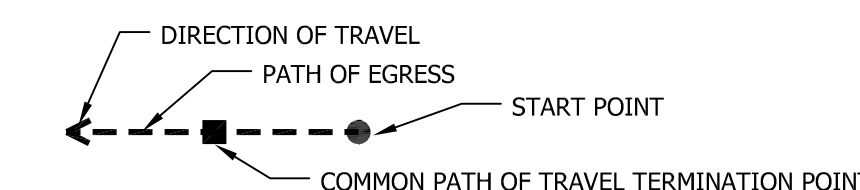
EXIT REQUIREMENTS:

(IBC 1006 TABLE 1006.2.1 & 1006.3.1)

	NUMBER REQ'D	NUMBER PROVIDED
OFFICE	2	2
WAREHOUSE	2	6

LEGEND

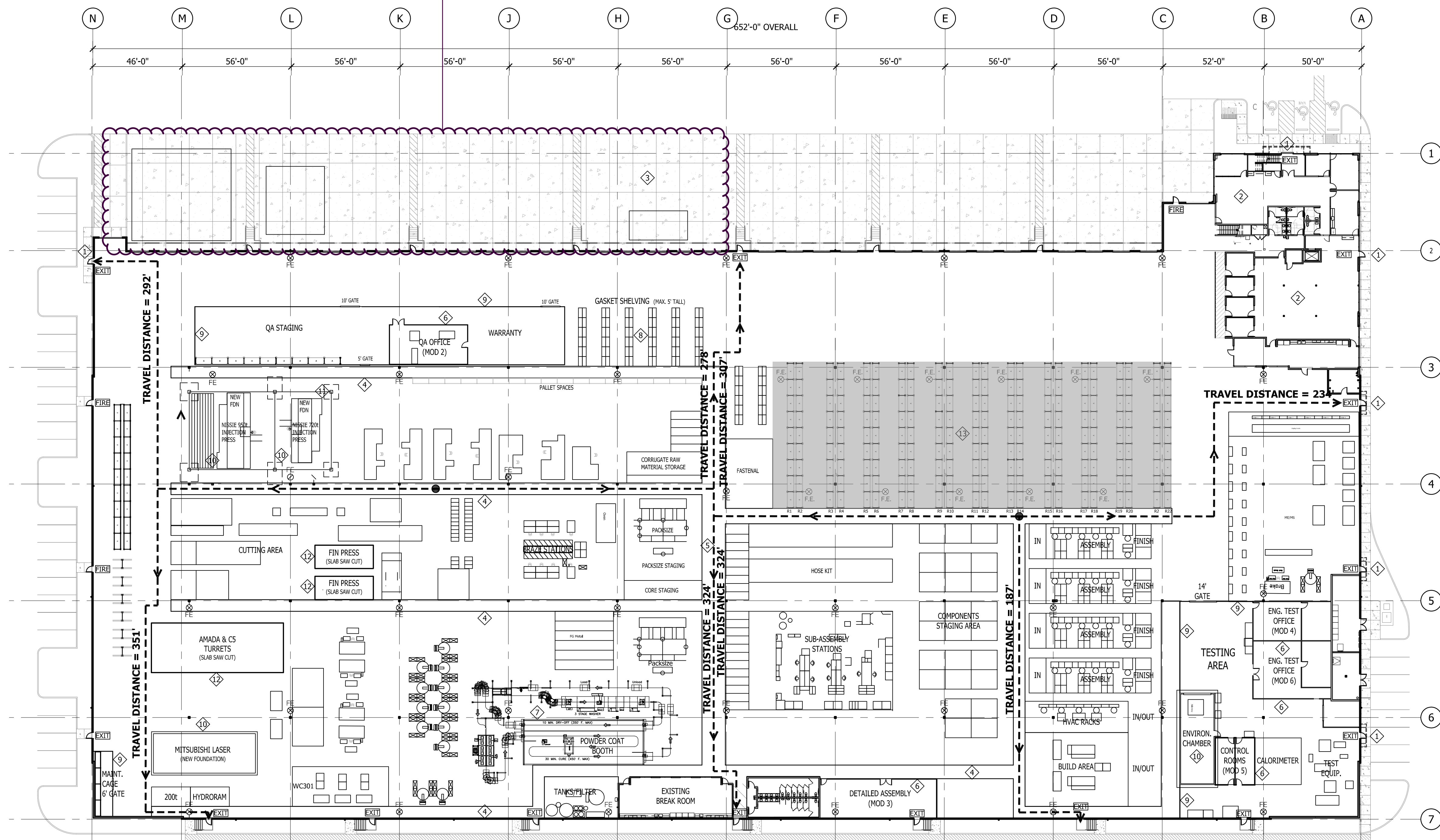
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXIT SIGN: INTERNALLY ILLUMINATED EXIT SIGNAGE W/ BATTERY BACKUP PER IBC SECTION 1013, CONFIRM OPERATION OF EXISTING. ADD NEW WHERE NOT EXISTING. ARROW = DIRECTION INDICATOR, IF REQUIRED. PROVIDE TACTILE EXIT SIGN ADJACENT TO EACH EXIT DISCHARGE DOOR COMPLYING WITH ICC A117.1, AS SUMMARIZED ON 703/AN-3. ADD NEW WHERE NOT EXISTING.
- NOTE: EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN AN EXIT ACCESS CORRIDOR IS MORE THAN 100' OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS.
- FIRE: EXISTING FIRE DEPARTMENT ACCESS DOOR PROVIDED AT INTERVALS LESS THAN 100' SPACING AROUND PERIMETER OF BUILDING
- F.E.: SURFACE MOUNTED FIRE EXTINGUISHER



KEY NOTES

- EXISTING ACCESSIBLE ENTRANCE/EXIT
- EXISTING CONDITIONED OFFICE SPACE
- EXISTING TRUCK COURT
- TAPED CIRCULATION/EGRESS AISLE, 6' WIDE UNO.
- TAPED CIRCULATION/EGRESS AISLE, 12' WIDE
- DESIGN/BUILD MODULAR WALL SYSTEM ASSEMBLY UNDER SEPARATE PERMIT.
- POWDER COAT PAINT BOOTH AND CONVEYER ASSEMBLY UNDER SEPARATE PERMIT
- GASKET SHELVING, MAXIMUM 5' HIGH UNDER SEPARATE PERMIT
- CHAIN LINK FENCING
- NEW FOUNDATION AND SLAB PER STRUCTURAL
- NEW SLAB SAW CUT ISOLATION JOINTS
- RACKING UNDER SEPARATE PERMIT, ONE FIRE EXTINGUISHER PER ROW.

The approval of this tenant improvement permit (PRCTI20230447) does not include the approval of the separate structures. Separate permitting will be required.



LIFE SAFETY PLAN
1 AN-1
1" = 30'-0"

CLIENT:

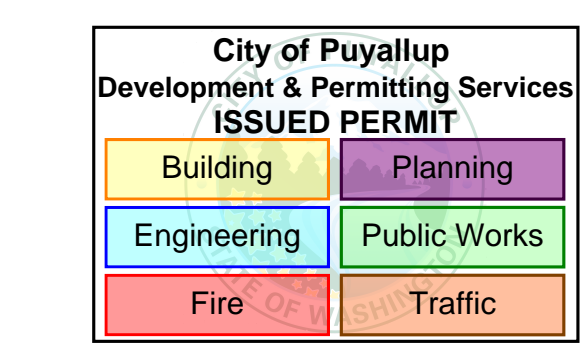


RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

PROJECT: RED DOT SHOP TI

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

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MANUFACTURING RESUBMIT		04/26/2023



SEAL:



CITY STAMP:

PRCTI20230447

LIFE SAFETY PLAN

Proj. No: 21.0000440.000 Reviewed By:

DEFERRED PERMIT FOR FUTURE PROCESSES OUTSIDE SCOPE OF WORK OF MANUFACTURING PERMIT

1. Vehicle Exhaust and Ventilation for testing diesel fueled vehicles
2. Nitrogen gas piping – Submit engineered sealed design. Provide equipment and installation details per chapter 53 of the IFC
3. Oxygen gas piping is not addressed; provide engineering sealed design. Provide equipment and installation details per chapter 35 IFC and NFPA 51.

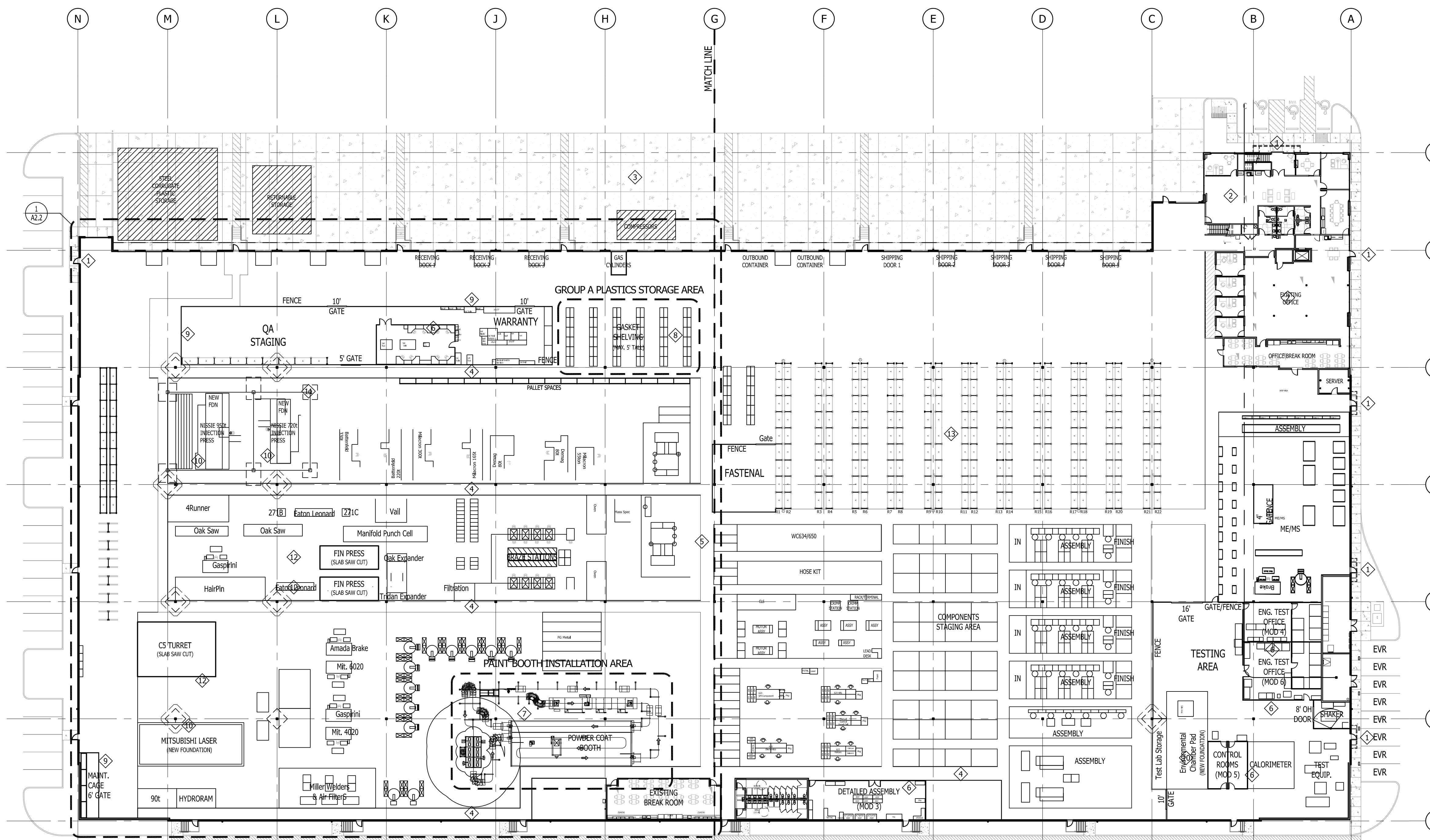
SHOP PLAN NOTES

THE RED DOT SHOP LAYOUT PLAN INCLUDES THE FOLLOWING CATEGORIES OF USE:

1. MANUFACTURING: MACHINES AND PROCESSES TO PRODUCE MANUFACTURED PARTS. AREAS INDICATED IN GRAY INCLUDE EQUIPMENT/MACHINE AND OPERATORS TO COMPLETE THE WORK (MANUFACTURING).
2. GENERAL CIRCULATION: AREA FOR FORKLIFT TRAFFIC, EMPLOYEE WALKWAYS, MOVEMENT OF COMPONENTS FROM ONE WORK CENTER TO THE NEXT (GENERAL CIRCULATION).
3. WAREHOUSE STORAGE: STORAGE AND RACKING OF FINISHED COMPONENTS (RACKING/STORAGE WAREHOUSE).
4. TESTING AND PROTOTYPING: TESTING AND PROTOTYPING OF FUTURE MANUFACTURED COMPONENTS. THE TESTING AREA IS WHERE PROTOTYPES WILL BE TESTED TO VERIFY NEW PARTS MEET THE REQUIREMENTS OF CUSTOMERS BEFORE UNITS GO INTO PRODUCTION. THIS IS A COMBINATION OF BENCH TOP TESTING AND COMPLETE VEHICLE TESTING. FOR VEHICLE TESTING, CUSTOMERS SEND A VEHICLE FOR FITTING AND INSTALLATION OF PROTOTYPE UNITS IN THEM TO TEST IN REAL WORK CONDITIONS (TESTING AND PROTOTYPING).

SHOP PLAN KEY NOTES

1. EXISTING ACCESSIBLE ENTRANCE/EXIT
2. EXISTING CONDITIONED OFFICE SPACE
3. EXISTING TRUCK COURT
4. TAPED CIRCULATION/EGRESS AISLE, 6' WIDE UNO.
5. TAPED CIRCULATION/EGRESS AISLE, 12' WIDE
6. MODULAR WALL SYSTEM UNDER SEPARATE PERMIT
7. POWDER COAT PAINT BOOTH AND CONVEYER ASSEMBLY PER SHOP DRAWINGS, CUT-SHEETS AND DETAILS ON SHEETS A3.1, A3.2, A3.3 AND A3.4
8. GASKET SHELVING, MAXIMUM 5' HIGH FOR GROUP A PLASTICS PER FIRE SPRINKLER REPORT
9. CHAIN LINK FENCING UNDER SEPARATE PERMIT
10. NEW FOUNDATION AND SLAB UNDER SEPARATE PERMIT
11. NEW CRANE FOUNDATIONS (6) UNDER SEPARATE PERMIT
12. NEW SLAB SAW CUT ISOLATION JOINTS UNDER SEPARATE PERMIT
13. RACKING UNDER SEPARATE PERMIT



MAKE UP AIR TO TEMPORARILY USE PINED OPEN DOCK GATE, DESIGNED SYSTEM DEFERRED.

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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SEAL:



CITY STAMP:

PAINT BOOTH DEFERRED PERMIT NOTE

STRUCTURAL DESIGN OF PAINT BOOTH MECHANICAL EXHAUST PIPE ROOF PENETRATIONS IS DEFERRED. PAINT BOOTH OPERATION IS NOT PERMITTED UNTIL STRUCTURAL DESIGN IS COMPLETE, APPROVED AND EXHAUST PIPING INSTALLED AND INSPECTED PER APPROVED STRUCTURAL DETAIL(S).

PRCT120230447

MANUFACTURING
SHOP LAYOUT PLAN

Proj. No: 21.0000440.000 Reviewed By:

SHOP PLAN NOTES

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- GENERAL CIRCULATION:** AREA FOR FORKLIFT TRAFFIC, EMPLOYEE WALKWAYS, MOVEMENT OF COMPONENTS FROM ONE WORK CENTER TO THE NEXT (GENERAL CIRCULATION).
- WAREHOUSE STORAGE:** STORAGE AND RACKING OF FINISHED COMPONENTS (RACKING/STORAGE WAREHOUSE).
- TESTING AND PROTOTYPING:** TESTING AND PROTOTYPING OF FUTURE MANUFACTURED COMPONENTS. THE TESTING AREA IS WHERE PROTOTYPES WILL BE TESTED TO VERIFY NEW PARTS MEET THE REQUIREMENTS OF CUSTOMERS BEFORE UNITS GO INTO PRODUCTION. THIS IS A COMBINATION OF BENCH TOP TESTING AND COMPLETE VEHICLE TESTING. FOR VEHICLE TESTING, CUSTOMERS SEND A VEHICLE FOR FITTING AND INSTALLATION OF PROTOTYPE UNITS IN THEM TO TEST IN REAL WORK CONDITIONS (TESTING AND PROTOTYPING).

SHOP PLAN KEY NOTES

- 1. EXISTING ACCESSIBLE ENTRANCE/EXIT
- 2. EXISTING CONDITIONED OFFICE SPACE
- 3. EXISTING TRUCK COURT
- 4. TAPED CIRCULATION/EGRESS AISLE, 6' WIDE UNO.
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- 6. MODULAR WALL SYSTEM UNDER SEPARATE PERMIT
- 7. POWDER COAT PAINT BOOTH AND CONVEYER ASSEMBLY PER SHOP DRAWINGS, CUT-SHEETS AND DETAILS ON SHEETS A3.1, A3.2, A3.3 AND A3.4
- 8. GASKET SHELVING, MAXIMUM 5' HIGH PER FIRE SPRINKLER REPORT FOR GROUP A PLASTICS
- 9. CHAIN LINK FENCING
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- 12. NEW SLAB SAW CUT ISOLATION JOINTS UNDER SEPARATE PERMIT
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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SEAL:



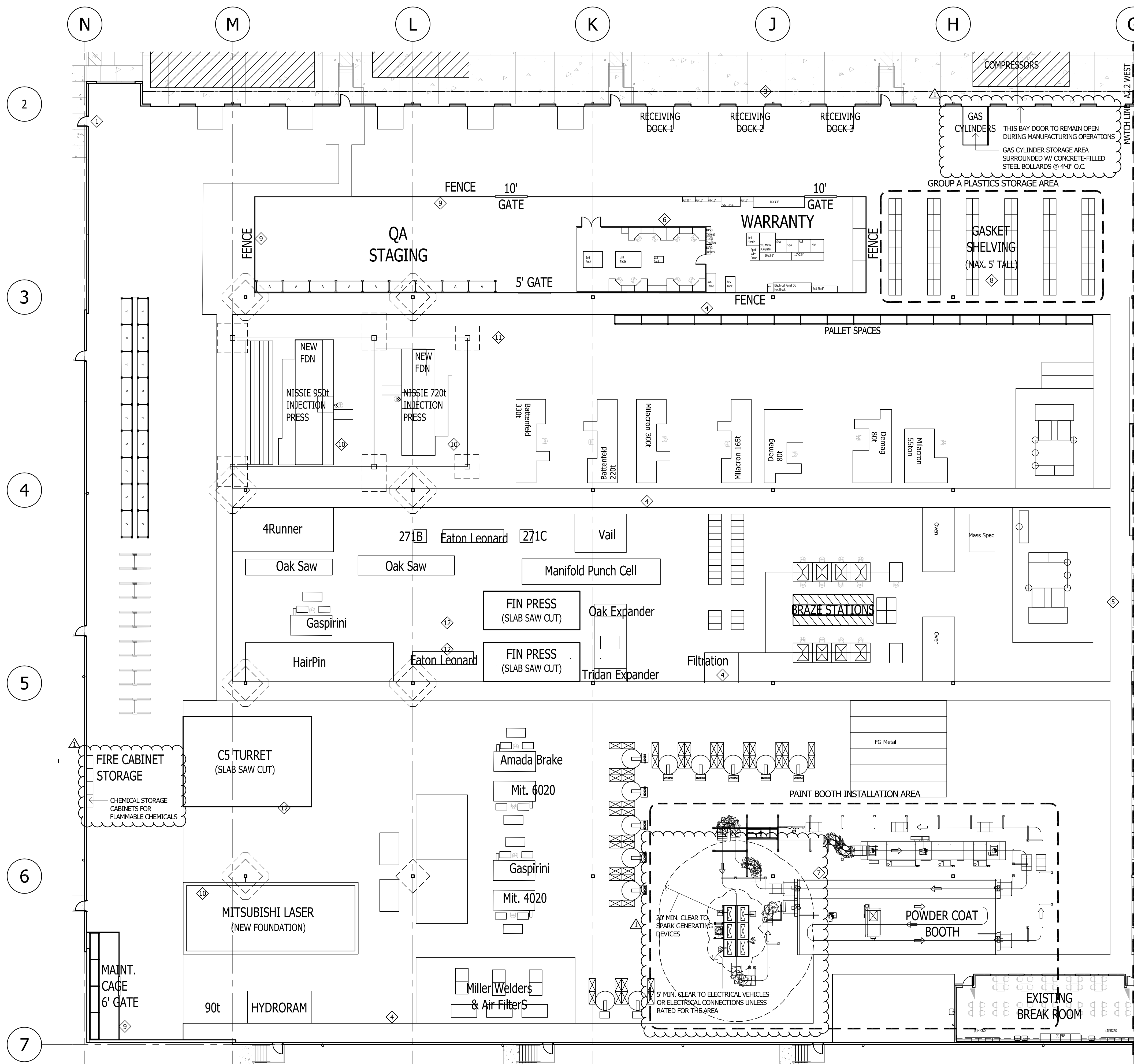
CITY STAMP:

PRCT120230447

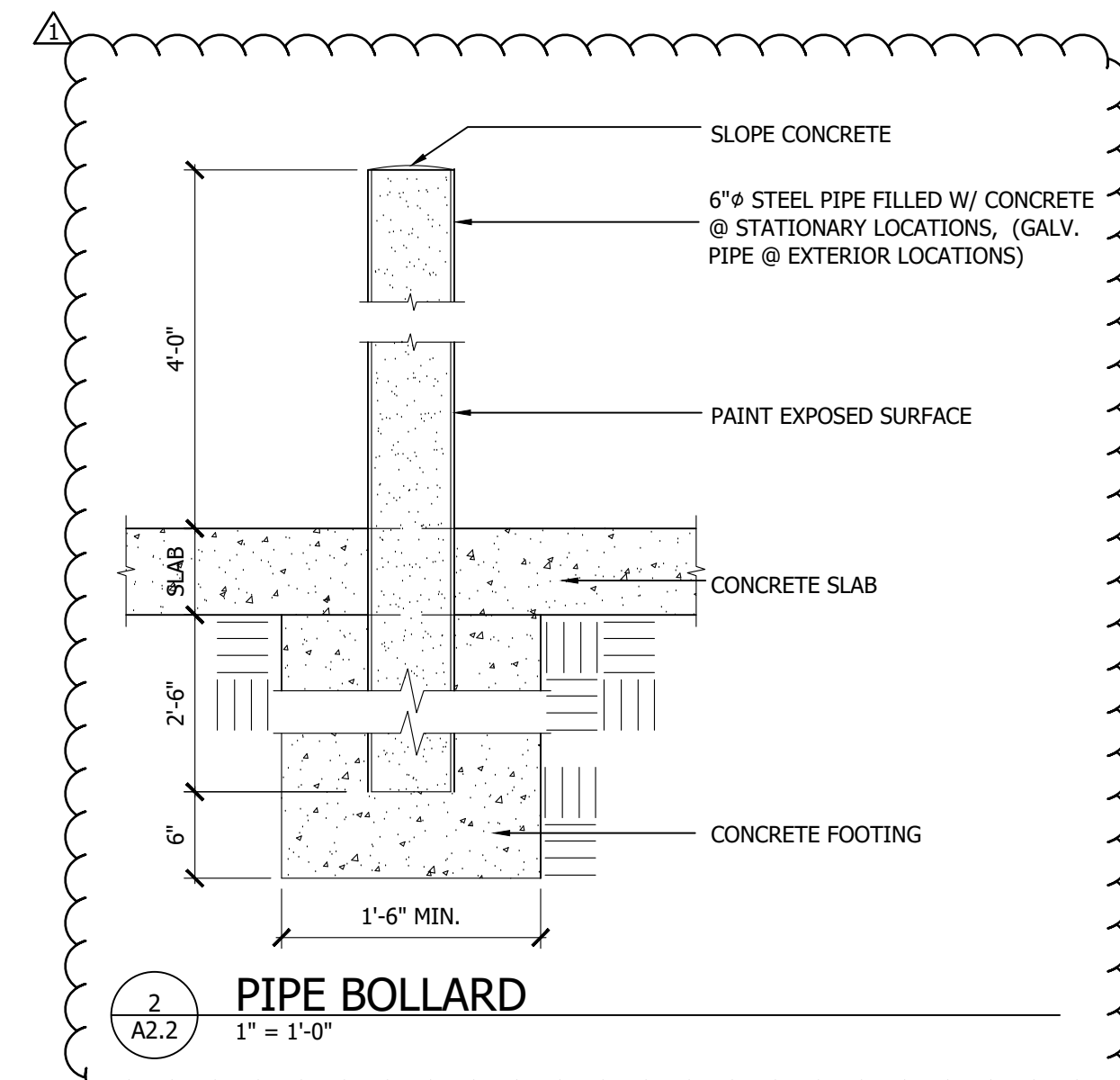
ENLARGED SHOP FLOOR PLAN - WEST

Proj. No: 21.0000440.000 Reviewed By:

A2.2



1
A2.2
ENLARGED SHOP FLOOR PLAN - WEST
1/16"=1'-0"



PAINT BOOTH DEFERRED PERMIT NOTE

STRUCTURAL DESIGN OF PAINT BOOTH MECHANICAL EXHAUST PIPE ROOF PENETRATIONS IS DEFERRED. PAINT BOOTH OPERATION IS NOT PERMITTED UNTIL STRUCTURAL DESIGN IS COMPLETE, APPROVED AND EXHAUST PIPING INSTALLED AND INSPECTED PER APPROVED STRUCTURAL DETAIL(S).

SHOP PLAN NOTES

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SHOP PLAN KEY NOTES

- EXISTING ACCESSIBLE ENTRANCE/EXIT
- EXISTING CONDITIONED OFFICE SPACE
- EXISTING TRUCK COURT
- PAINTED CIRCULATION/EGRESS AISLE, 6' WIDE UNO.
- PAINTED CIRCULATION/EGRESS AISLE, 12' WIDE
- MODULAR WALL SYSTEM UNDER SEPARATE PERMIT
- POWDER COAT PAINT BOOTH AND CONVEYER ASSEMBLY PER SHOP DRAWINGS
- GASKET SHELVING, MAXIMUM 5' HIGH PER FIRE SPRINKLER REPORT
- CHAIN LINK FENCING
- NEW FOUNDATION AND SLAB UNDER SEPARATE PERMIT
- NEW CRANE FOUNDATIONS (6) UNDER SEPARATE PERMIT
- NEW SLAB SAW CUT ISOLATION JOINTS UNDER SEPARATE PERMIT
- RACKING UNDER SEPARATE PERMIT

CLIENT:

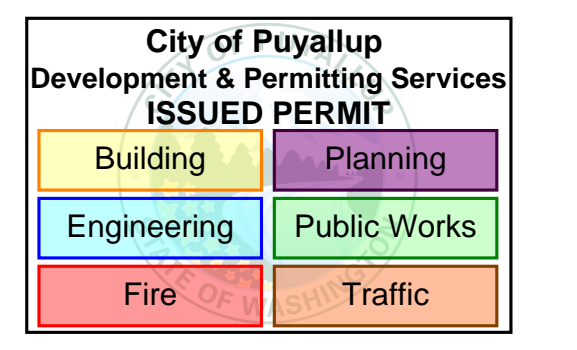


RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

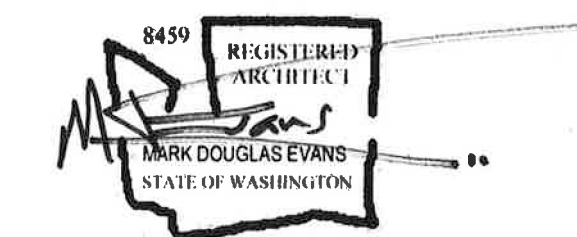
PROJECT:
RED DOT SHOP TI

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description:	No:	Date:
PERMIT SUBMITTAL		12/22/2022
PERMIT RESUBMITTAL		02/03/2023
PERMIT RESUBMITTAL 2		02/17/2023
MANUFACTURING PERMIT		04/06/2023
MANUFACTURING RESUBMIT		04/26/2023



SEAL:

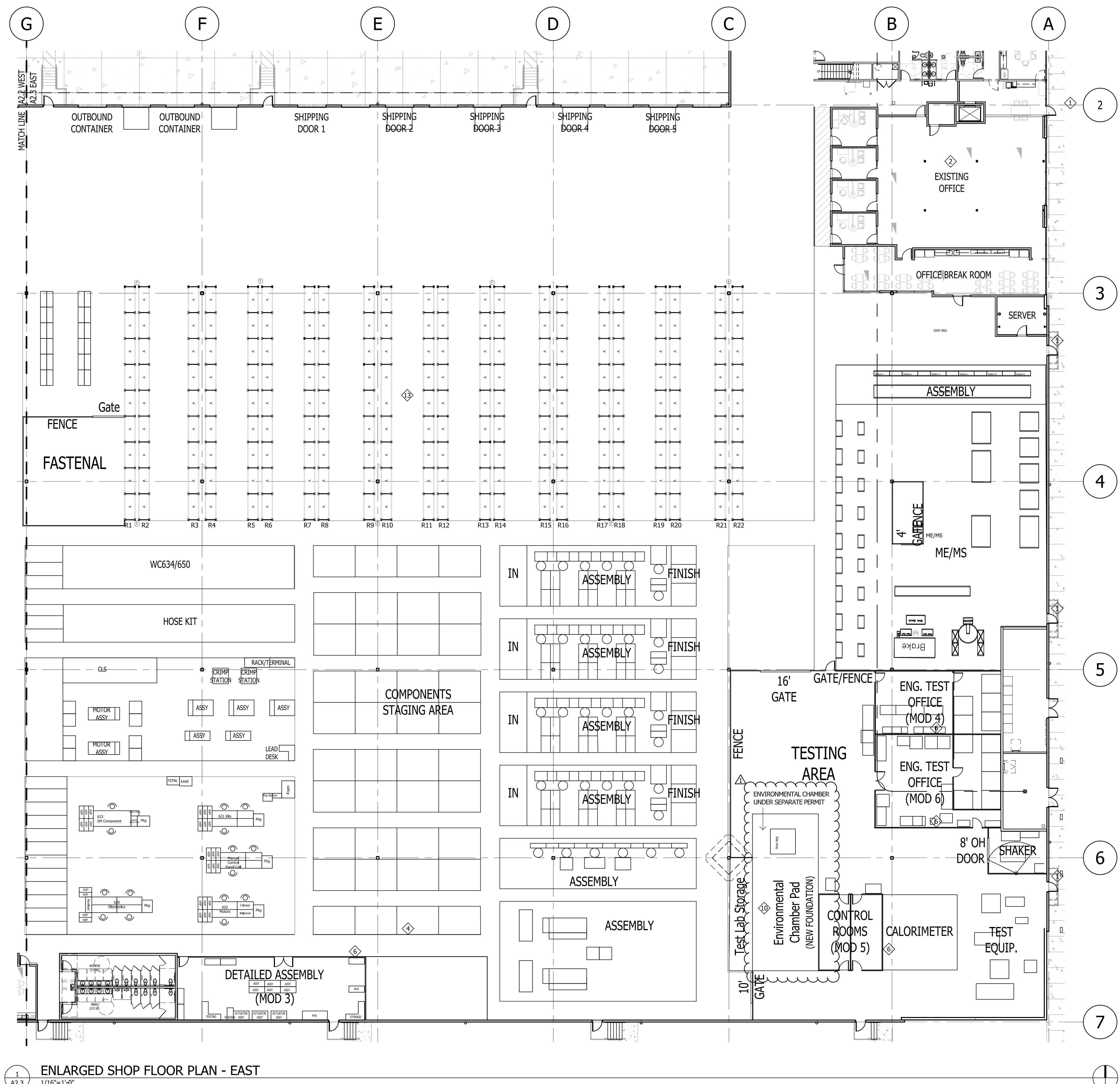


CITY STAMP:

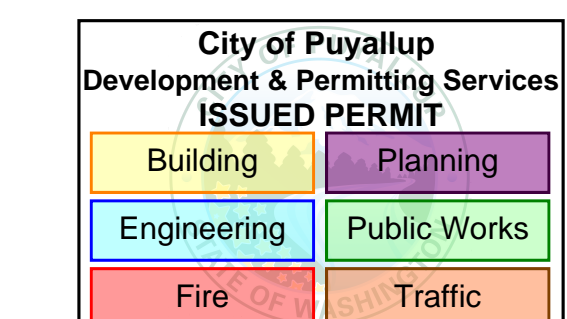
PRCTI20230447

ENLARGED SHOP FLOOR PLAN - EAST

Proj. No: 21.0000440.000 Reviewed By:



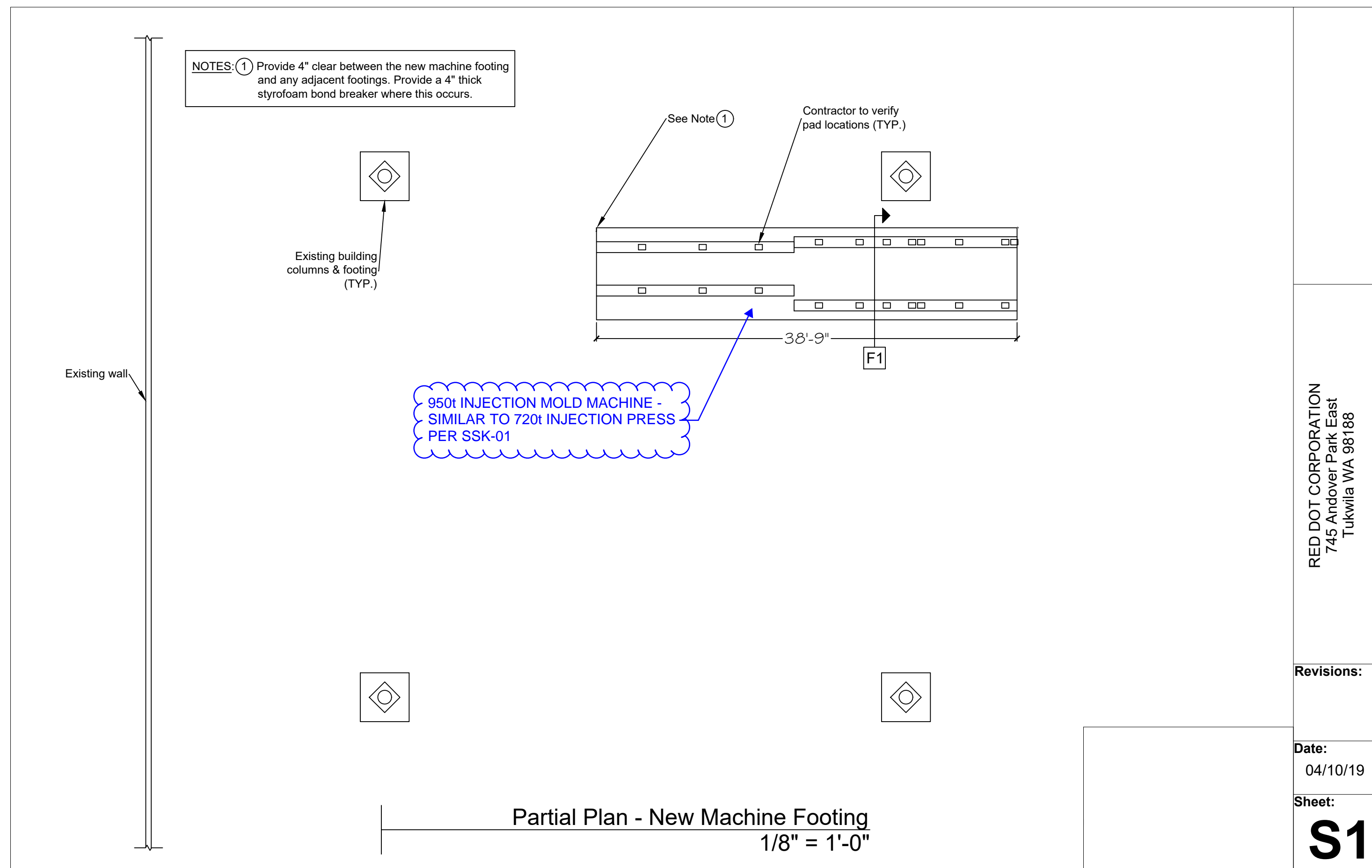
1 ENLARGED SHOP FLOOR PLAN - EAST
A2.3 1/16"=1'-0"



RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description:	No:	Date:
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PERMIT RESUBMITTAL 2	02/17/2023	
MANUFACTURING PERMIT	04/06/2023	



Structural Notes:

Applicable Codes and Standards:

2015 International Building Code (IBC) and other applicable local building codes.
ASCE/SEI 7-10 - "Minimum Design Loads for Buildings and Other Structures"
2015 NDS for wood structures.
American Concrete Institute - ACI 315, ACI 318, ACI 301, ACI 307.

Structural design shall be in accordance with the latest edition of above codes and standards. Contractor shall comply with the latest edition of all applicable codes and standards.

Design Loads:

Seismic loading per IBC Sections 1603 and 1613, Site Class D. The basic structural type is a bearing wall system with light framed walls with shear panels. $R_w = 6.5$ (wood structural panels), soil type D. Seismic importance factor 1.0, Seismic Use Group I Design and Analysis by Simplified Design Procedure Peak Ground Accelerations (PGA) based on OSHPD, by lat/long. $PGA_1 \text{ sec} = .421$ $PGA_2 \text{ sec} = 1.217$ Seismic base shear = $0.185 * \text{Dead Load}$

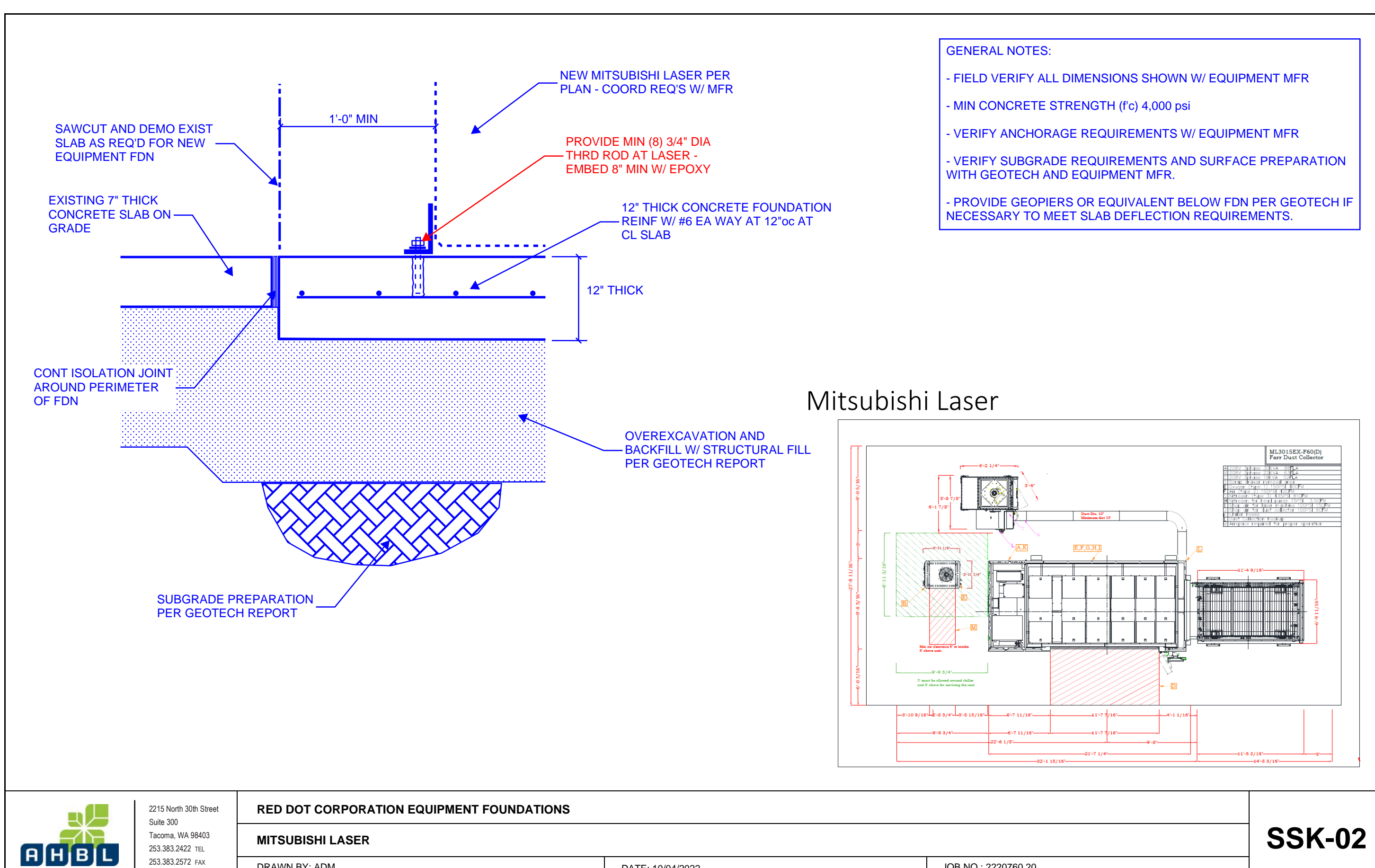
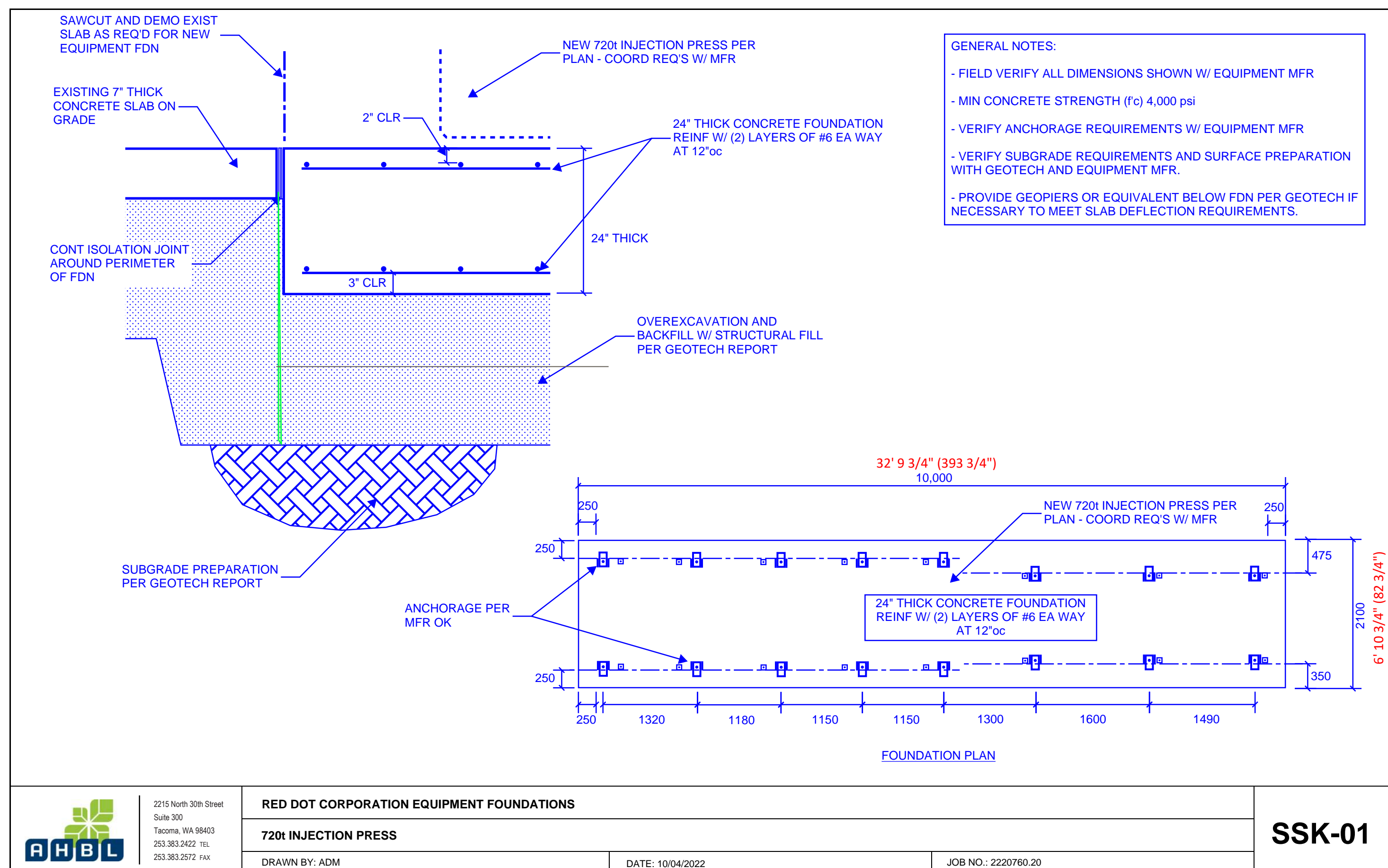
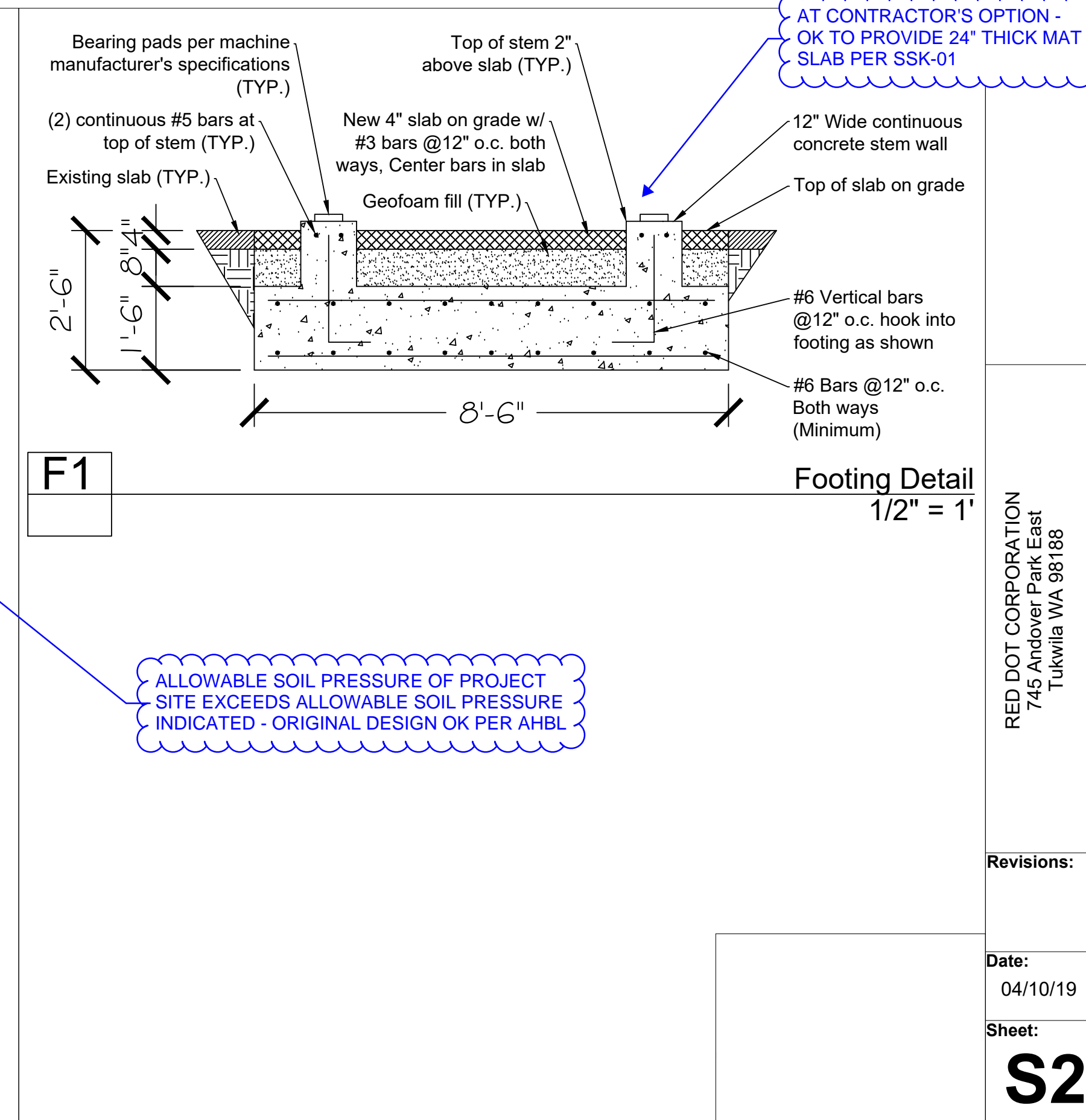
Foundations:

Soil parameters (assumed): Vertical allowable soil pressure: 1,000 psf
All soil conditions are to be field verified during construction by the Geotechnical Engineer. If needed, structural fill shall be placed in 12-inch maximum horizontal lifts (loose thickness) and compacted to 90 percent of maximum dry density in accordance with ASTM D-1557. Imported structural fill shall be granular material containing no more than 5 percent fines, passing no. 200 sieve. Structural fill in place shall be tested by a licensed soil engineer or approved by the building inspector.

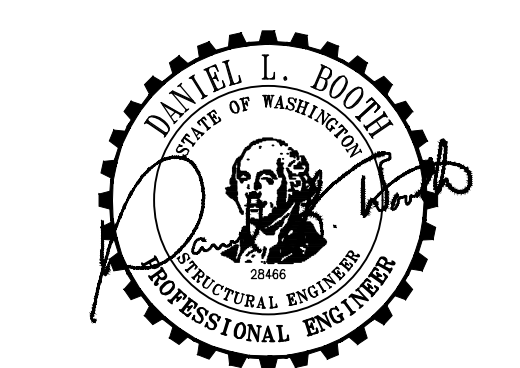
Cast in Place Concrete:

Concrete shall attain a minimum compressive strength of 3,000 psi at 28 days (5-1/2 sack mix). An alternate mix provided by the concrete supplier and pre-approved by the building department is acceptable. Reinforcing steel shall conform to ASTM A-615, Grade 60 ($F_y=60,000$ psi) for all bars.

Concrete protection for reinforcement shall be:
Concrete exposed to earth or weather 2" (#6 & larger)
Concrete cast against earth 3"



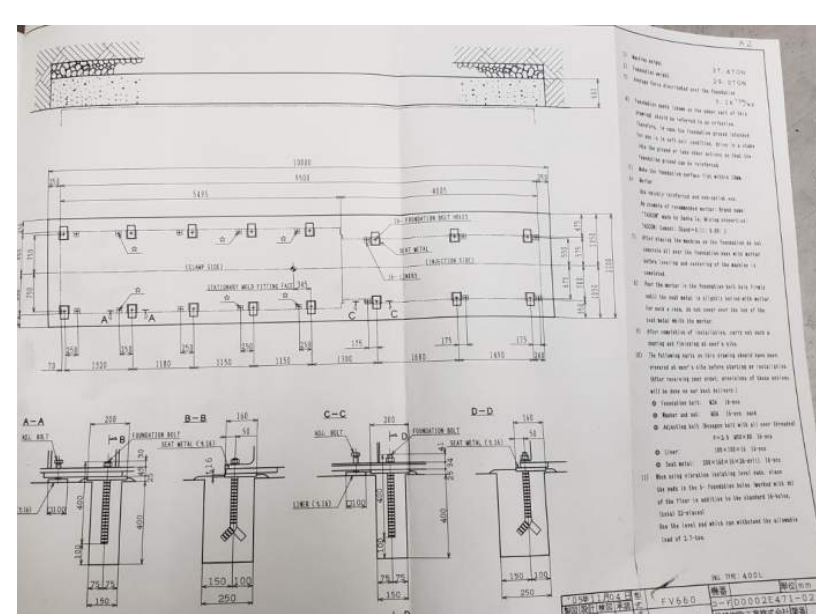
TACOMA • SEATTLE • SPOKANE • TRI-CITIES
2215 North 30th Street, Suite 300 Tacoma, WA 98403
253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB



720t Injection Press

- Machine Dimensions
 - 32'-9 3/4" x 82.67"
 - Bolt locations specified in drawing
- Machine Weight
 - 37.4ton
- Machine Anchoring
 - No Anchoring.

EQUIVALENT UNIFORM LOAD IS LESS THAN 350 PSF - SPECIFIED SLAB OK BY INSPECTION



Mitsubishi Laser

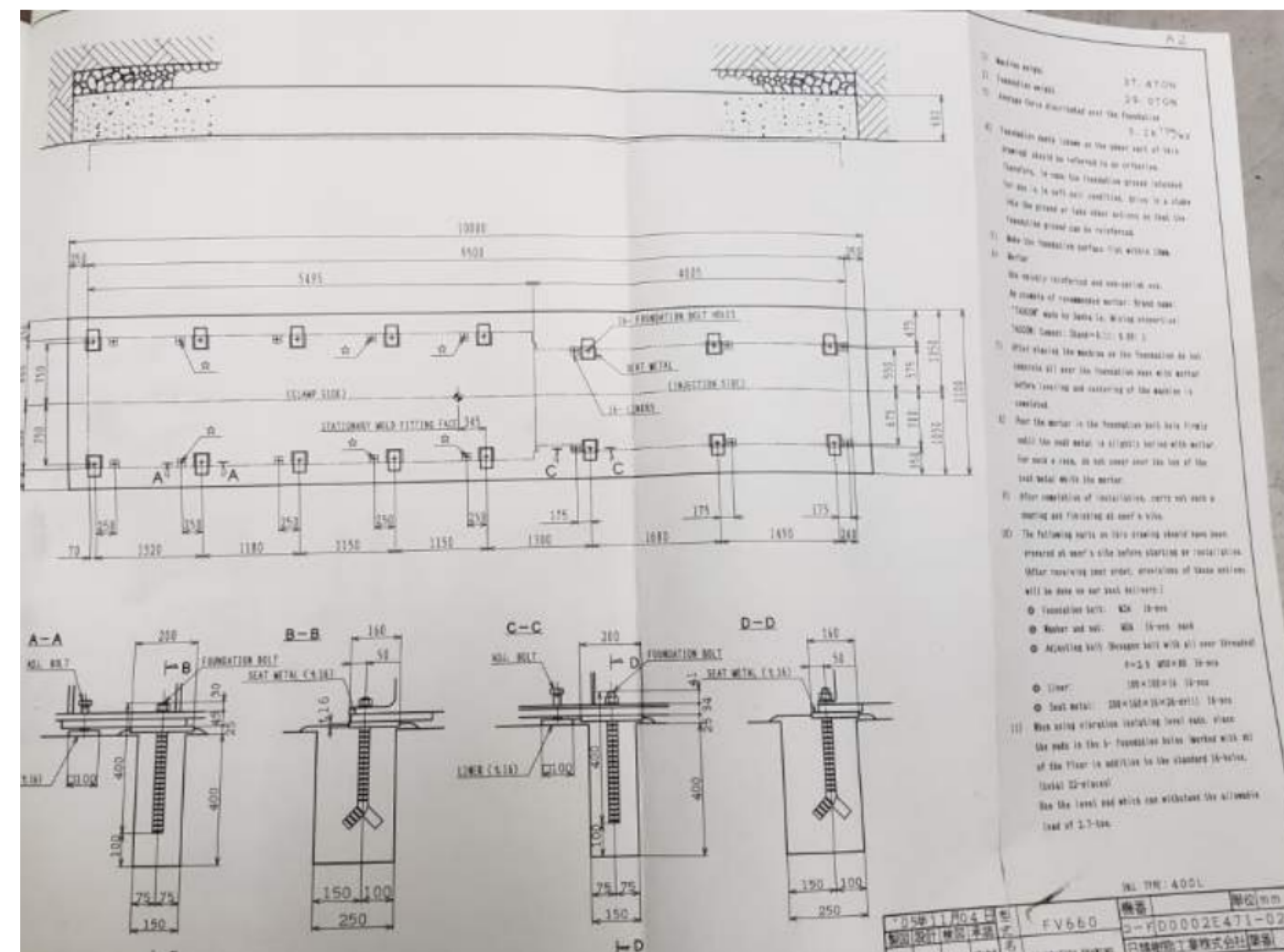
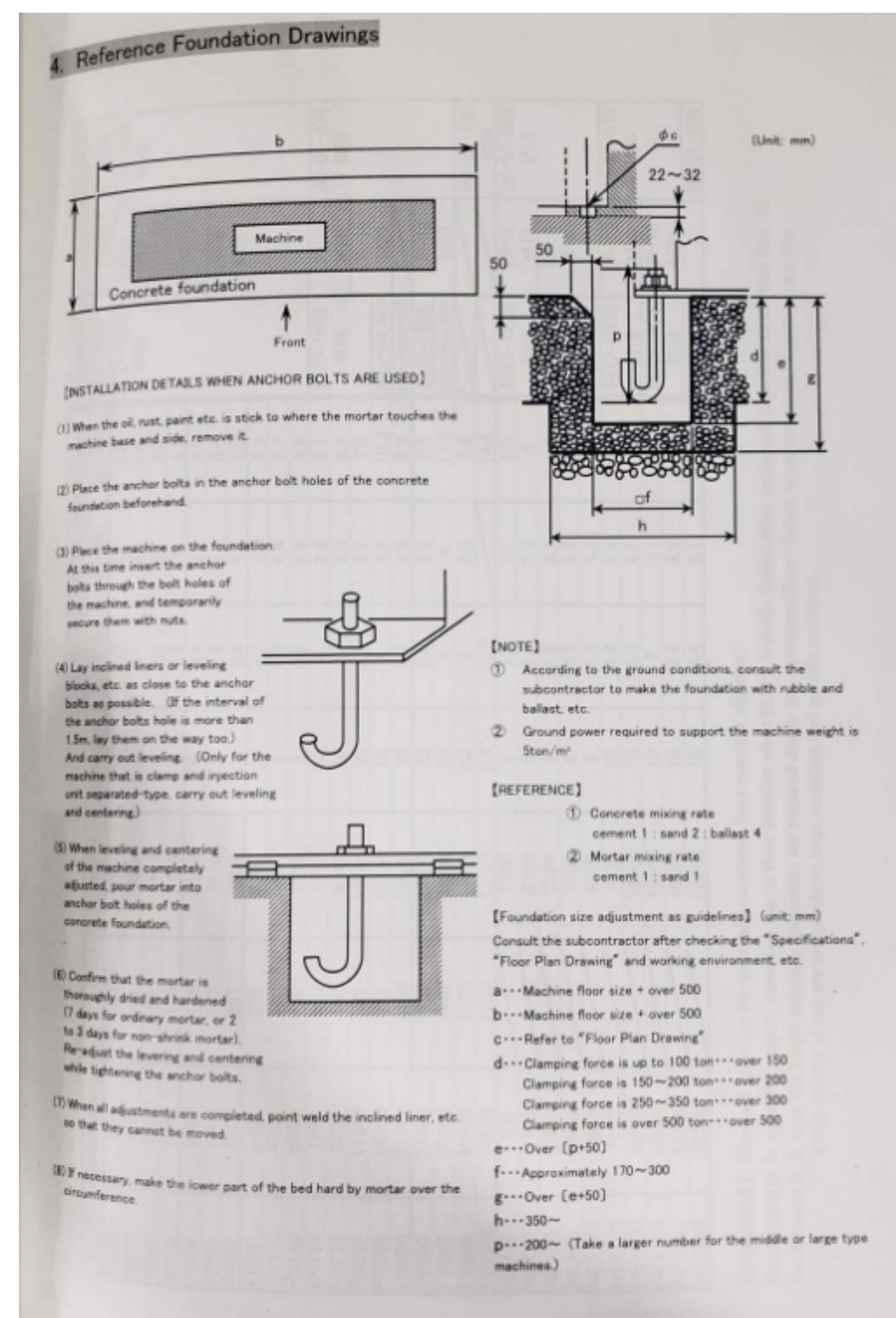
- Machine Dimensions
 - 629" x 244"
- Machine Weight
 - 22,000lb
- Machine Anchoring
 - Anchors not specified by manufacturer.
 - Anchor locations provided on attached drawing.

EQUIVALENT UNIFORM LOAD IS LESS THAN 250 PSF - SPECIFIED SLAB IS OK BY INSPECTION

Foundation Conditions	1. The difference in the level of the floor slab for an area more than 0.85P' (10m) over the length of the machine.
Floor Vibrations	2. Foundation must be able to receive anchors. Please confirm that there are no hotbed gas, air, electrical or water pipes.

FLOOR FOUNDATION REQUIREMENTS

- The manufacturer requires that the machine be installed on 10 inches (250mm) or more of reinforced concrete to minimize floor vibrations.
- If the machine is installed on a foundation less than 10 inches thick, the contractor must assess that reinforcement may be required at areas beyond those specified. An acceptable foundation can also affect post-tensioning and quality.
- The floor where the base is to be installed must be level to 0.30 inches (8mm) over the entire length of the machine.
- For safe and stable operation, floor vibrations should be below the following levels:
 - Acceleration: 0.5cm/s² flat
 - Flow direction: 0.3cm/s²
- If the machine is installed in an area that is not properly prepared, maintenance may be required at more frequent intervals than specified and result in operation wear of parts due to settling or shifting of the foundation slab. In some cases, an improper foundation can affect the accuracy of the machine as well as the ability to achieve maximum cutting depth.
- The machine must be anchored. If the machine is not anchored, damage will occur.

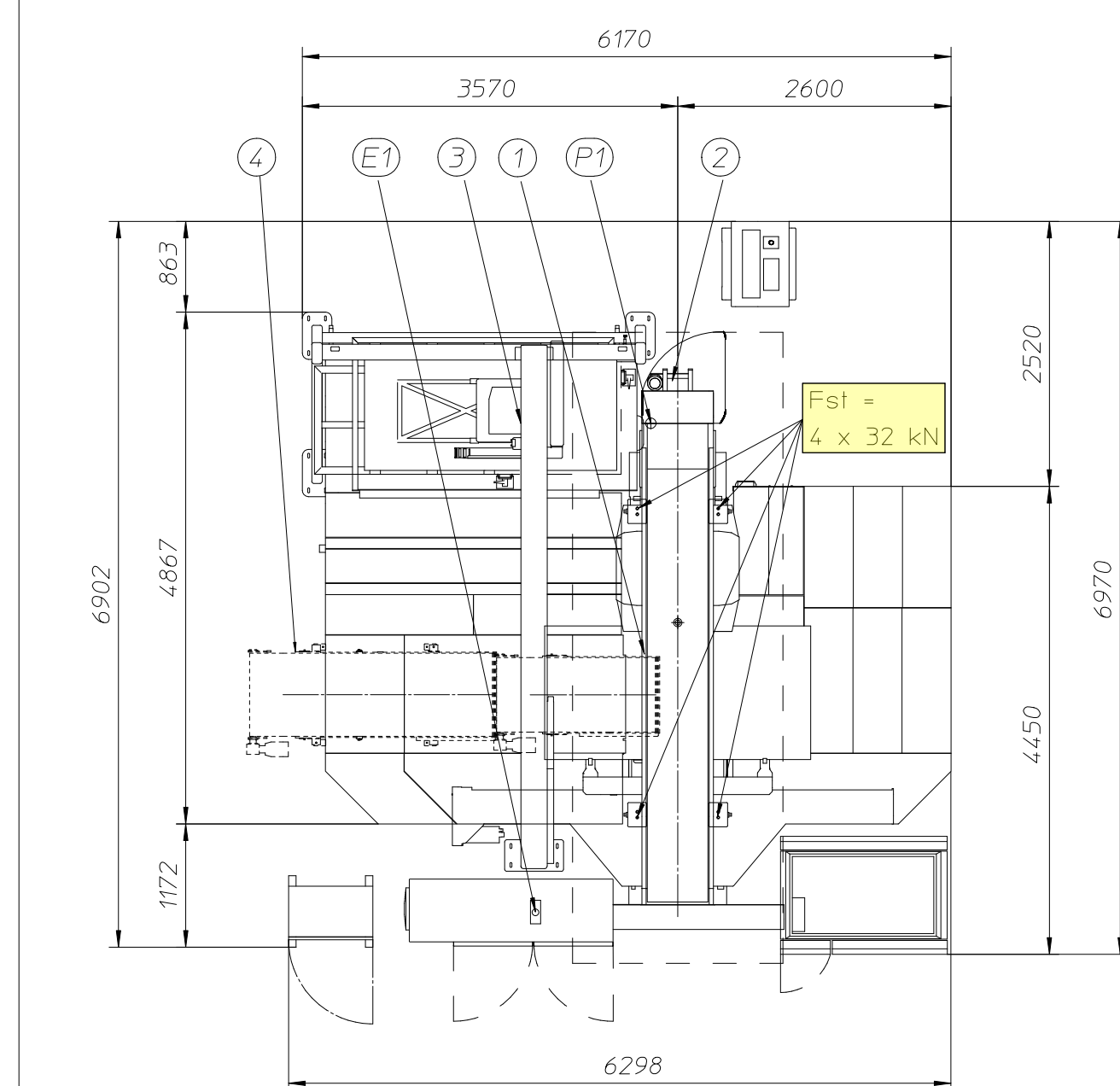


- Machine weight 37.4 TON
- Foundation weight 29.0 TON
- Average force distributed over the foundation 3.16 TON/m²
- Foundation depth (shown on the upper part of this drawing) should be referred to as criterion. Therefore, in case the foundation ground intended for use is in soft soil condition, drive in a stake into the ground or take other actions so that the foundation ground can be reinforced.
- Make the foundation surface flat within 10mm.
- Mortar
 - Use quickly reinforced and non-shrink one. An example of recommended mortar: Brand name: "TASCON" made by Danka Co. Mixing proportion: TASCON: Cement: Stand=0.11: 0.89: 1
- After placing the machine on the foundation do not concrete all over the foundation base with mortar before leveling and centering of the machine is completed.
- Pour the mortar in the foundation bolt hole firmly until the seat metal is slightly buried with mortar. For such a case, do not cover over the top of the seat metal with the mortar.
- After completion of installation, carry out such a pouring and finishing at user's site.
- The following parts on this drawing should have been prepared at user's site before starting up installation. (After receiving your order, provisions of these options will be done on our best delivery.)
 - Foundation bolt: M24 16-pcs
 - Washer and nut: M24 16-pcs each
 - Adjusting bolt (Hexagon bolt with all over threaded) P=2.0 M30x80 16-pcs
 - Liner: 100x100x16 16-pcs
 - Seat metal: 200x160x16x26-drill 16-pcs
- When using vibration isolating level pads, place the pads in the 6- foundation holes (marked with str) of the floor in addition to the standard 16-holes. (total 22-pads) Use the level pad which can withstand the allowable load of 2.7-ton.

EQUIVALENT TO 658 PSF - OK PER GEOTECH REPORT

C5 Turret

NOTE: The layout may contain optional devices. Please check the final order.



FINN-POWER LAYOUT DRAWING	Draw no 947109
Product C5 Compact Express	Design Date 8/2008
Customer RED DOT USA	Ratio 1:xx

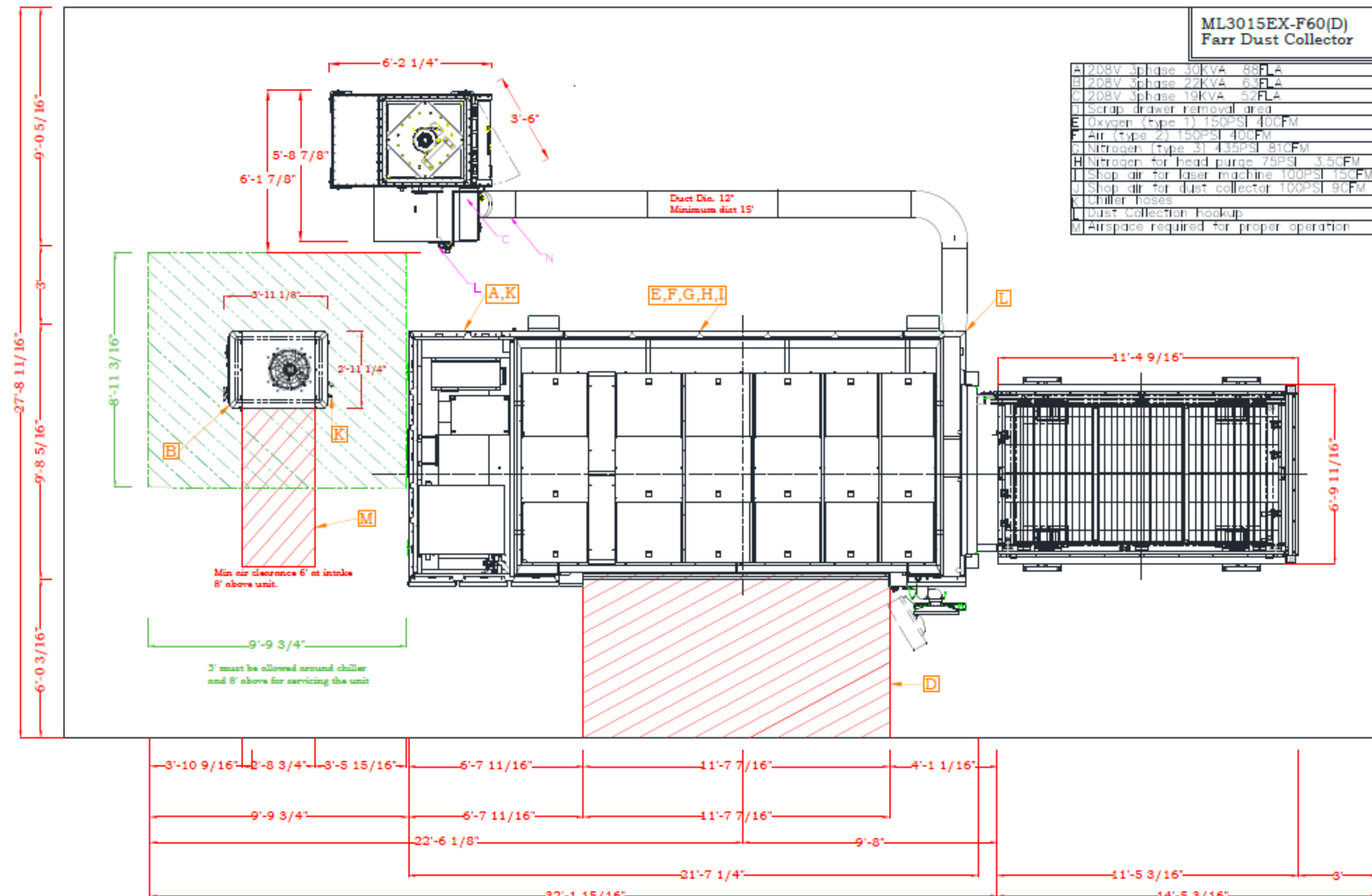
TM 40069 Asiastill. 20644

- C5 (12.2)
- SC1T
- CE5 (1.0)
- PC2B

Power supply connection point E* Air connection point P*

Rev * ***** *** **/****

Mitsubishi Laser



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

RED DOT SHOP TI

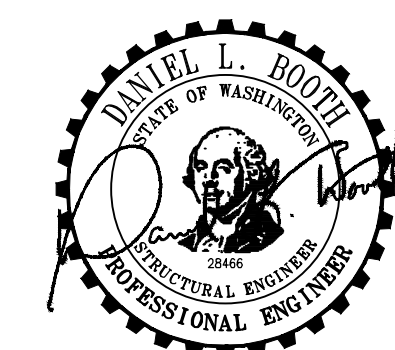
2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

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PRCTI20230447

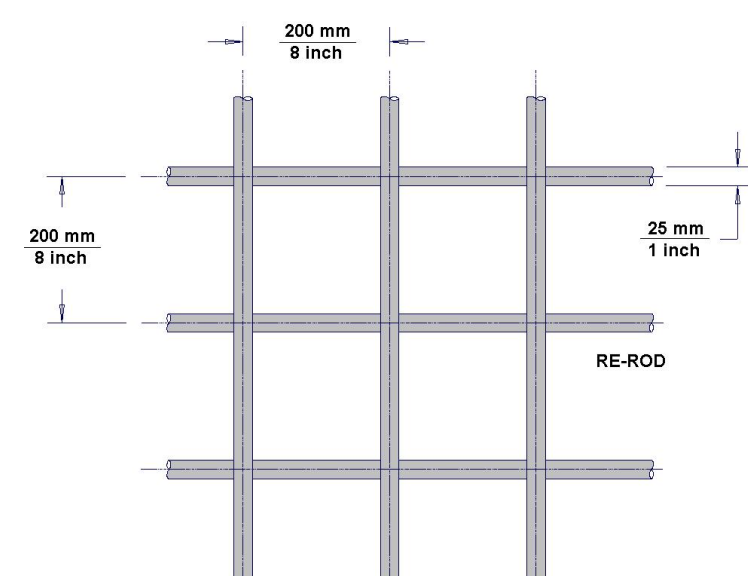
ANCHORAGE DETAILS

Proj. No: 21.0000440.000 Reviewed By:

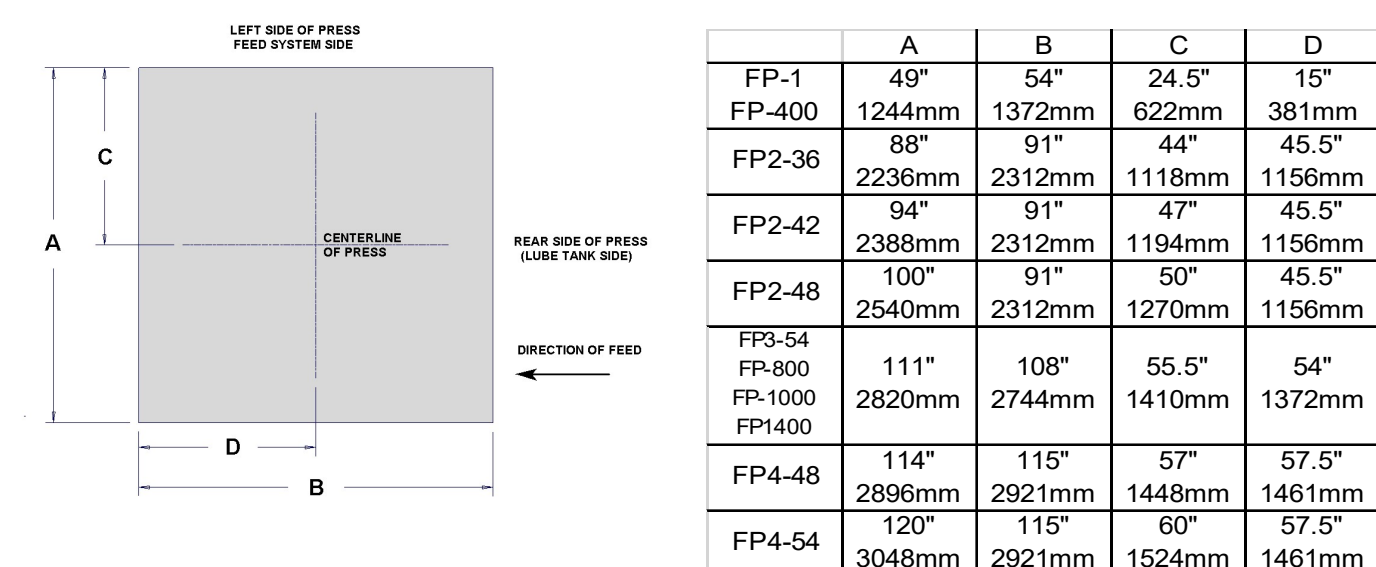
FINLINE FOUNDATION SPECIFICATION
(Designed For Use With VibroDynamic Vibration Isolators)

The Burr Oak Tool Inc. recommends a machine installation on an isolated concrete slab. The following general specifications for the foundation slab are based on the understanding that the concrete foundation sits on undisturbed "native" soil having a minimum soil bearing capacity of 14,600 kg/sq. meter (3000 pounds per square foot). If soil conditions do not meet these criteria then the following specifications do not apply and further analysis of the intended installation should be made.

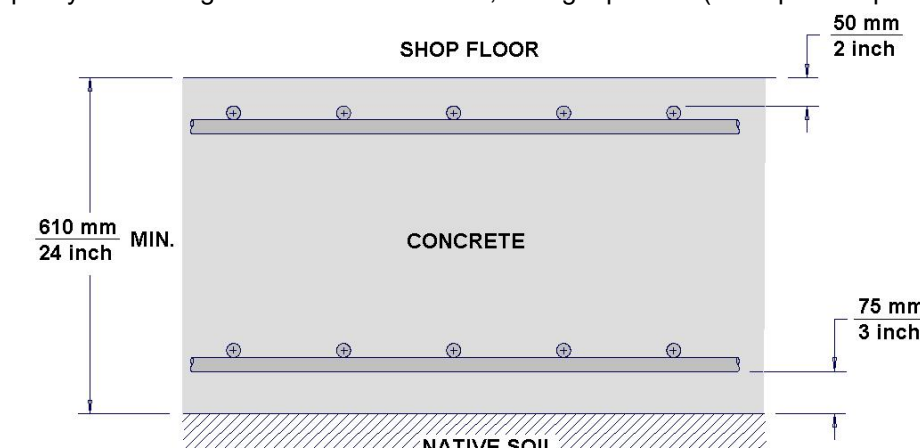
- It is recommended that a local soil expert do test boring at the press installation site and provide a complete soil analysis. This analysis should include a value for the soil bearing capacity.
- Use concrete with a minimum compressive strength of 316 kg/square cm (4500 PSI).
- To reinforce the concrete, lay 25mm (1 inch) diameter steel reinforcing rods in the form of a grid pattern with a pitch of approximately 200mm (8 inches) making sure that the rods are wire tied or welded together (weld only if weldable re-rod is used). Make two layers of rods. One layer to be located approximately 50mm (2 inches) below the top of the foundation and one layer 75 mm (3 inches) above the bottom of the foundation. Support the layers of rods so that they maintain position while the concrete is being poured.



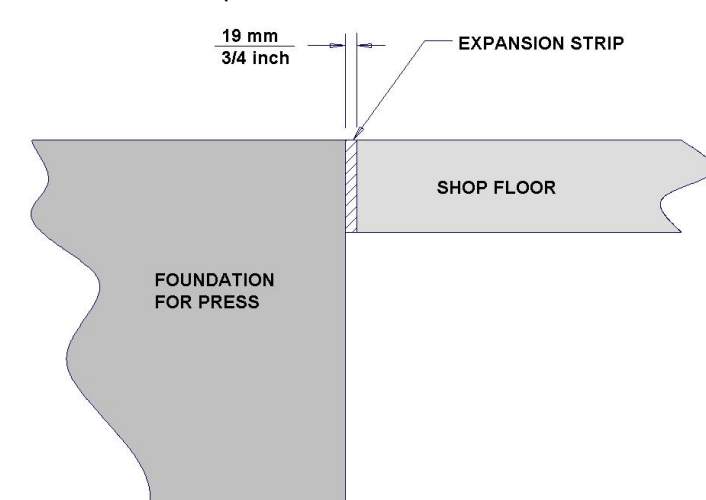
- The area of the concrete slab should be larger than the footprint of the press with VibroDynamic pads attached to the press feet. Note: The press may have to be offset from center ("D" Dimension) to guarantee that the stacker is not positioned on the pad and therefore somewhat isolated from the press vibration.



- The concrete slab should be at least 600mm (24 inches) deep. The slab can be made deeper in order to reach "native" soil or it is acceptable to provide "engineered fill" to the 600mm (24 inch) depth as long as the soil bearing capacity of the "engineered fill" exceeds 14,600 kg/sq. meter (3000 pounds per square foot).



- The press foundation should be separated from the surrounding plant floor with a flexible chemical resistant expansion joint material around the perimeter of the slab. The exposed joint should be sealed with a flexible caulking so that liquids cannot reach the press foundation.



- The concrete should have a 14-21 day cure time prior to operation of the press.

Foundations that do not meet the above specifications may require more frequent re-leveling and realignment or in extreme cases, breakup of the foundation due to press operation.

If there are special installation conditions or if contract assistance is needed to install a press foundation please contact the Burr Oak Tool Inc. Service Department.

Date: 1/29/20

FROM TYLER: In our earlier conversations it was stated that only items with a CoG over 4ft and do not have manufacturer recommended installation drawings would need to go through a structural engineering for review. Sheet S2.2 is the manufacturer(Bur Oak Tool Inc.) recommended installation instruction, that is why it does not have a seal

CUSTOMER: RED DOT CORPORATION
VBHB-SDS-MMB-174 TRIUMPH BENDER

POWER REQUIREMENTS:
MACHINE: 480 VOLTS, 3 PHASE, 60 CYCLES, 26 AMPS
CONTROLS: 24 VDC

PAINT COLORS:
MACHINE: PALE GRAY RAL7035
ELECTRIC ENCLOSURE: PALE GRAY RAL7035
GUARDS: SAFETY YELLOW OP128SW

TOOLING REQUIREMENTS:
.375" OD X .014" & .022" SMOOTH & .020 RIFLED WALL X 1.000" AND .800" BEND CENTERS
8 BENDS PER CYCLE
MATERIAL: COPPER
BEND LENGTH: 6" (152.4MM) MINIMUM, 83" (2108.2MM) MAXIMUM
(MIN. AND MAX. LENGTHS VARY SLIGHTLY WITH TUBE DIA. & BEND CENTER)
LUBRICATION: OAK 50-5 AND 50-20 EVAPORATIVE

REVISIONS

LOC	DESCRIPTION	DATE	APP
1	ROOMWORKING: 188' COLLECTOR & 12' COILMANHOLE PAN WAS 1M. ADDED 552 TUBE WALL. MAX LENGTH WAS 42' (104.6MM)	7/2/2019	CUT/AN

DEPT. VBHB SO # 499625
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES: FRACTIONAL: ±1/64 ANGLE: ±1° TWO PLACE DECIMAL: ±0.01 THREE PLACE DECIMAL: ±0.005 FOUR PLACE DECIMAL: ±0.0005

PROPRIETARY AND CONFIDENTIAL: THIS DRAWING AND ALL THE DATA CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF BURR OAK TOOL, INC. AND MAY NOT BE DISCLOSED TO OTHERS WITHOUT WRITTEN CONSENT.

2 METER BOOM
2 METER TUBE COLLECTOR W/OIL COLLECTION
4X4 OVER-HEAD SPIRAL UNCOILER
LEFT HAND MACHINE

PRINT DRAWN BY: Doug Schwartz DATE: 6/13/2019
SCALE: 1:25 SIZE: D DRAWING NO. 499625
DETAIL NO.

PRINT DATE: 7/8/2019

CLIENT:



RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

PROJECT: RED DOT SHOP TI

2504 EAST MAIN AVENUE
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MANUFACTURING PERMIT		04/06/2023

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SEAL:

PRCT120230447

CITY STAMP:

NOT A STRUCTURAL SHEET, MISS LABELED.

FOUNDATION DETAILS

Proj-No: 21.0000440.000 Reviewed By: