

RED DOT CORPORATION RED DOT SHOP TI - PAINT BOOTH INSTALLATION

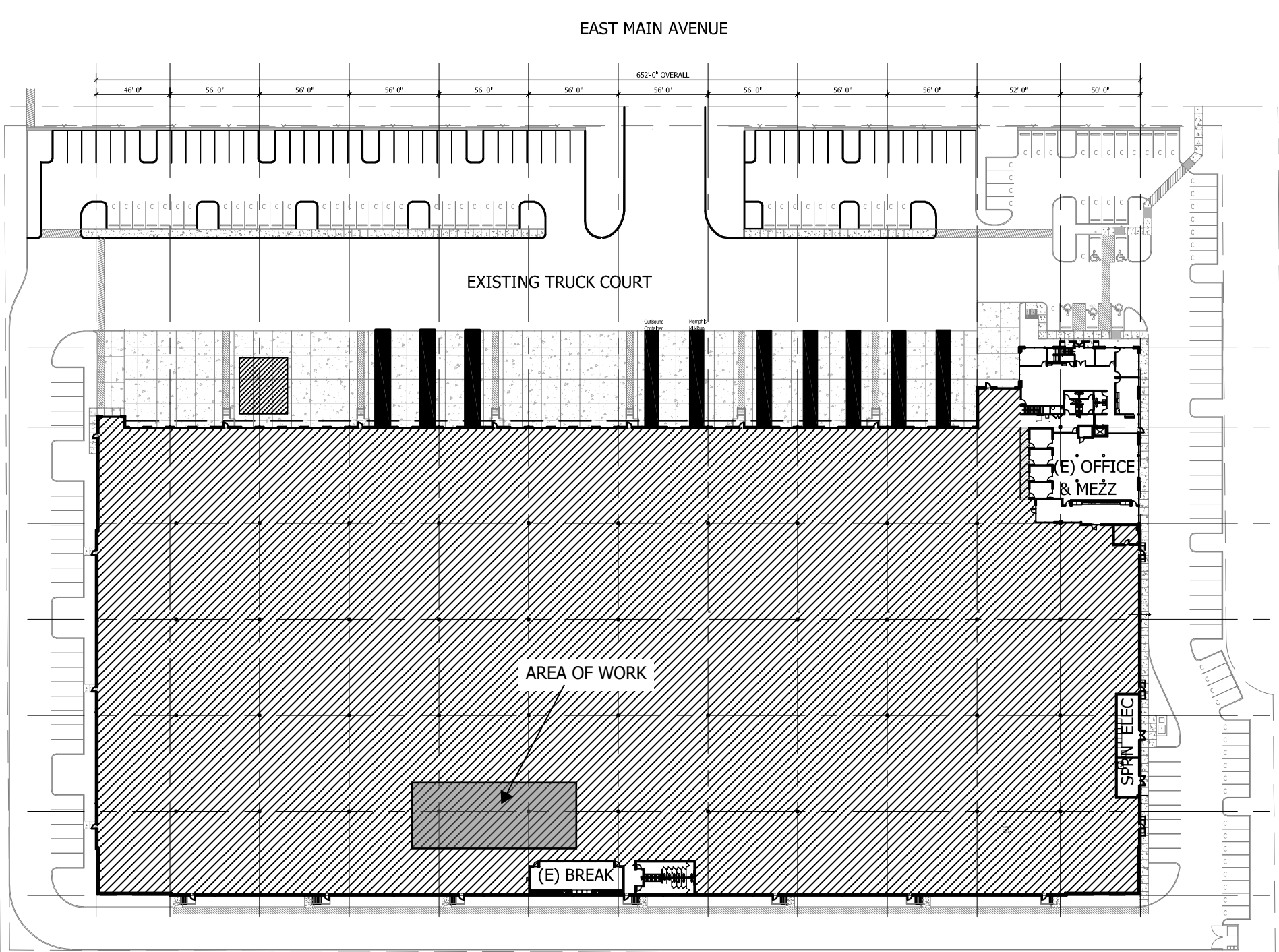
2504 EAST MAIN AVENUE PUYALLUP, WA 98372

APPROVED BY: Initials _____
Date _____



PROJECT SITE IMAGE FROM PIERCE COUNTY PARCEL VIEWER

2 AN-0 VICINITY MAP NTS



1 AN-0 SITE/BUILDING PLAN NTS

SHEET NUMBER	SHEET TITLE	SHEET ISSUE DATE	REVISION ISSUE DATE	DRAWING REVISION NUMBER
GENERAL				
AN-0	COVER SHEET	12/22/2022	02/17/2023	2
AN-1	LIFE SAFETY PLAN	12/22/2022	02/17/2023	1
AN-3	GENERAL NOTES AND ABBREVIATIONS	12/22/2022		
ARCHITECTURAL				
A2.1	OVERALL MANUFACTURING SHOP FLOOR PLAN	12/22/2022	02/17/2023	2
A2.2	ENLARGED SHOP FLOOR PLAN - WEST	02/03/2023	02/17/2023	2
A3.1	PAINT BOOTH SHOP DRAWINGS	12/22/2022	02/17/2023	1
A3.3	PAINT BOOTH SHOP DRAWINGS	02/03/2023		
A3.3	PAINT BOOTH SHOP DRAWINGS	02/03/2023		
A3.4	PAINT BOOTH CONVEYOR CUT-SHEETS & DETAILS	02/03/2023		
PLUMBING				
P0.0	PLUMBING INDEX, NOTES, DIAGRAMS	02/03/2023	02/17/2023	2
P3.0	PLUMBING SITE PLAN - WATER & GAS	02/03/2023	02/17/2023	2
P3.1	PLUMBING ENLARGED PLAN - WATER & GAS	02/03/2023	02/17/2023	2
P3.2	PLUMBING ENLARGED PLAN - WATER & GAS	02/03/2023	02/17/2023	2

PARKING REQUIREMENTS

	TOTAL (SF)	RATIO	STALLS REQ.	ADA STALLS REQ.	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

APPROVED PLAN
CITY OF PUYALLUP
PLANNING DIVISION

APPROVED BY: NComstock
DATE: 01/04/2023
CASE NO.: PRCT120221916
CONDITIONS: N/A

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

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.

PROJECT DIRECTORY

CLIENT: RED DOT CORPORATION
ATTN: TODD THURNAU
495 ANDOVER PARK EAST
TUKWILA, WA 98188
TEL: 206.394.3527
EMAIL: TODDTHURNAU@REDDOTCORP.COM

ARCHITECT: NELSON WORLDWIDE
ATTN: 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, CUTE 103
AUBURN, WA 98001
TEL: 206.406.3422
EMAIL: APFLUEGER@AHBL.COM

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

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 DLC 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: III B

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

PROJECT DESCRIPTION

INSTALLATION OF MANUFACTURING EQUIPMENT AND MACHINES, CRANE STRUCTURE, ASSEMBLY AND TESTING WORK STATIONS AND STORAGE RACKING WITHIN EXISTING WAREHOUSE BUILDING. THIS SUBMITTAL IS SPECIFICALLY FOR INSTALLATION OF A POWDER COAT PAINT BOOTH AND ASSOCIATED CONVEYANCE SYSTEM. STRUCTURAL ANALYSIS OF ROOF PENETRATIONS FOR THE PAINT BOOTH MECHANICAL EXHAUST PIPING IS DEFERRED. THIS SUBMITTAL ALSO INCLUDES A FIRE SPRINKLER REPORT ADDRESSING THE EXISTING BUILDING SPRINKLER SYSTEM AND HEIGHT LIMITATION FOR STORAGE OF GROUP A PLASTICS.

DEFERRED SUBMITTALS

FIRE SPRINKLER, FIRE ALARM, GENERATOR, EMERGENCY RADIO, STORAGE TANKS, RACKING, BUILDING SIGNS, MODULAR UNITS, FIRE SUPPRESSION FOR PAINT BOOTH, AND STRUCTURAL DESIGN OF PAINT BOOTH MECHANICAL EXHAUST PIPE ROOF PENETRATIONS.

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

COVID-19 DRAWING DISCLAIMER

THESE DRAWINGS DO NOT REFLECT THE GUIDELINES SET FORTH BY THE WORLD HEALTH ORGANIZATION AND CENTER FOR DISEASE CONTROL OR OTHER GOVERNMENTAL AGENCY GUIDELINES RELATED TO COVID-19.

City of Puyallup Building APPROVED

See permit for additional requirements.

JMontgomery
02/22/2023
3:09:03 PM

Any and all deferred submittals from City of Puyallup permits B-20-0235, B-21-0386, E-20-0137, PRCT120220873, and PRCT120221916 shall be addressed in the PROJECT DESCRIPTION or DEFERRED SUBMITTALS sections of the forthcoming civil and/or building permit applications for the manufacturing facility. A pre-treatment application is required as are civil plans stamped by a qualified Professional Engineer (PMC 14.06).

City of Puyallup Engineering APPROVED

See permit conditions.

ycharitrou
02/22/2023
7:50:41 AM

RedDOT CORPORATION

RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description:	No:	Date:
PERMIT SUBMITTAL		12/22/2022
PERMIT RESUBMITTAL 1		02/03/2023
PERMIT RESUBMITTAL 2		02/17/2023

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

8499 REGISTERED ARCHITECT

MARK DOUGLAS EVANS
STATE OF WASHINGTON

GENERAL INFORMATION AND SITE PLAN

Proj. No: 21.0000440.000 Reviewed By:

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

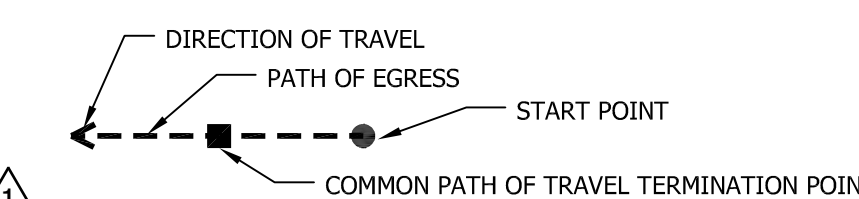
EXIT REQUIREMENTS:

(IBC 1006 TABLE 1006.2.1 & 1006.3.1)

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

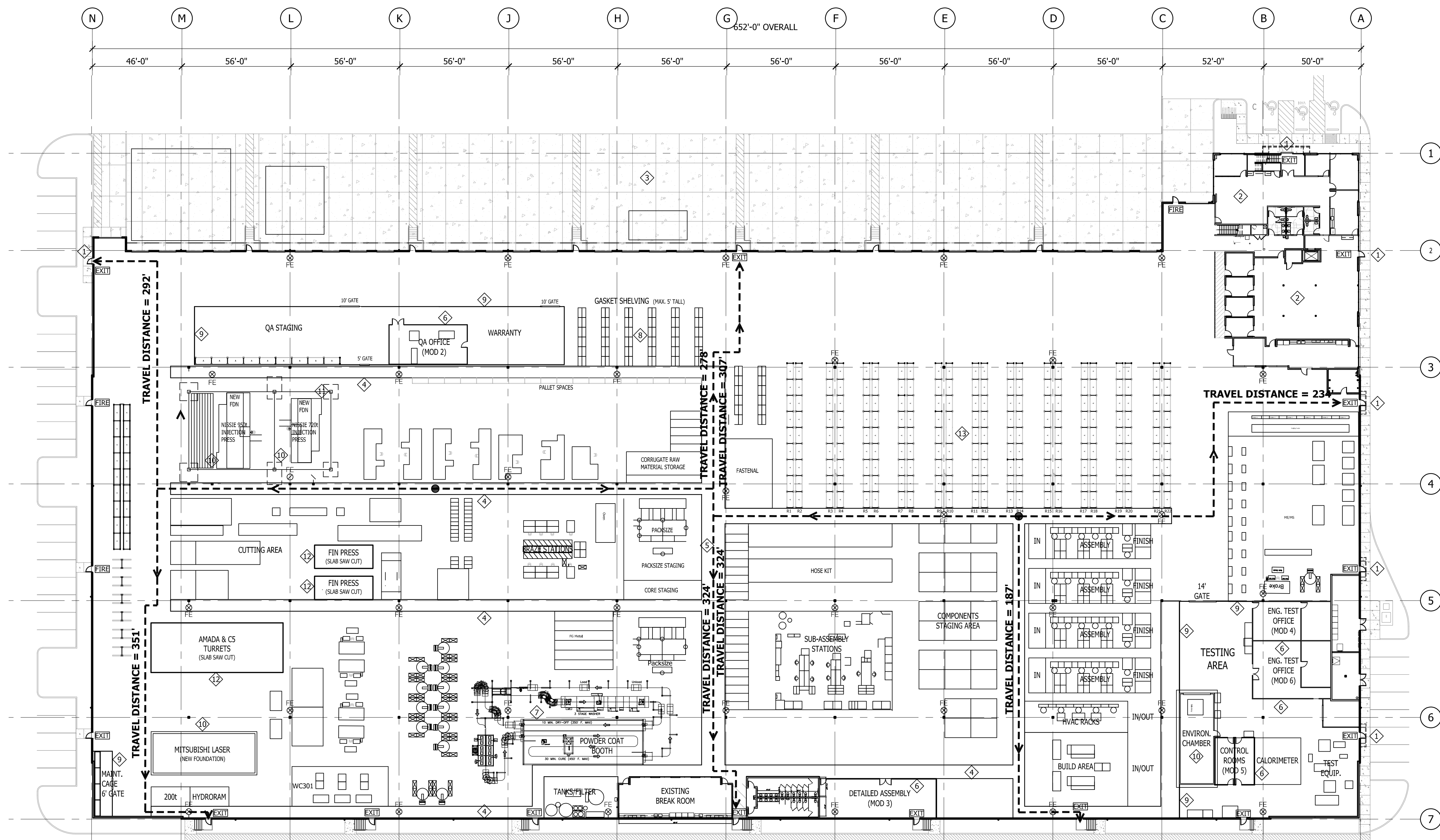
LEGEND

- 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
- MODULAR WALL SYSTEM UNDER SEPARATE PERMIT
- 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
- GASKET SHELVING, MAXIMUM 5' HIGH FOR GROUP A PLASTICS PER FIRE SPRINKLER REPORT
- CHAIN LINK FENCING UNDER SEPARATE PERMIT
- 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



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

CLIENT:



RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

PROJECT:

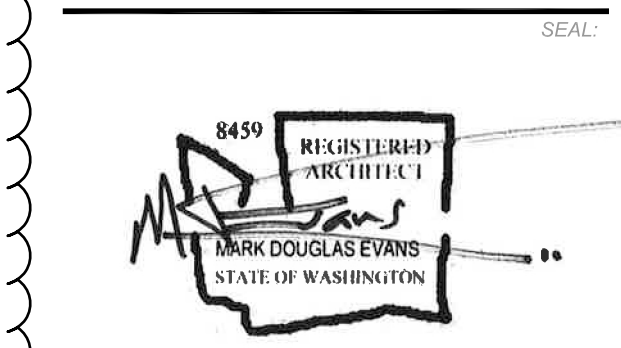
RED DOT SHOP TI PAINT BOOTH INSTALLATION

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description: No: Date:
PERMIT SUBMITTAL 12/22/2022
PERMIT RESUBMITTAL 02/03/2023

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



CITY STAMP

LIFE SAFETY PLAN

Proj. No: 21.0000440.000 Reviewed By:

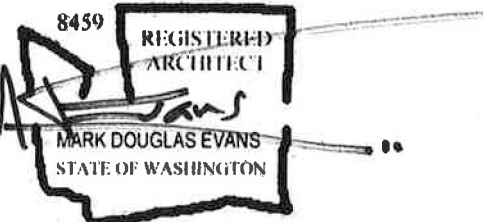
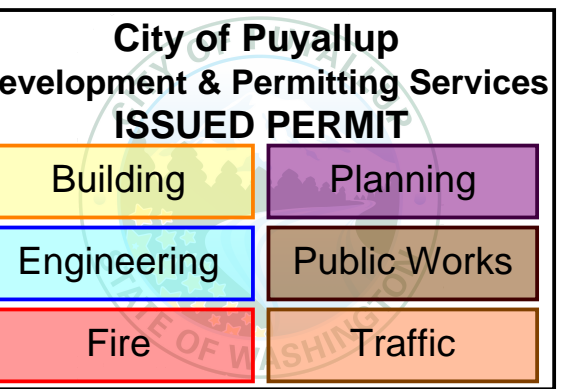


RED DOT CORPORATION 495 ANDOVER PARK EAST TUKWILA, WA 98188

RED DOT SHOP TI PAINT BOOTH INSTALLATION

2504 EAST MAIN AVENUE PUYALLUP, WA 98372

DESCRIPTION: No: Date: PERMIT SUBMITTAL 12/22/2022

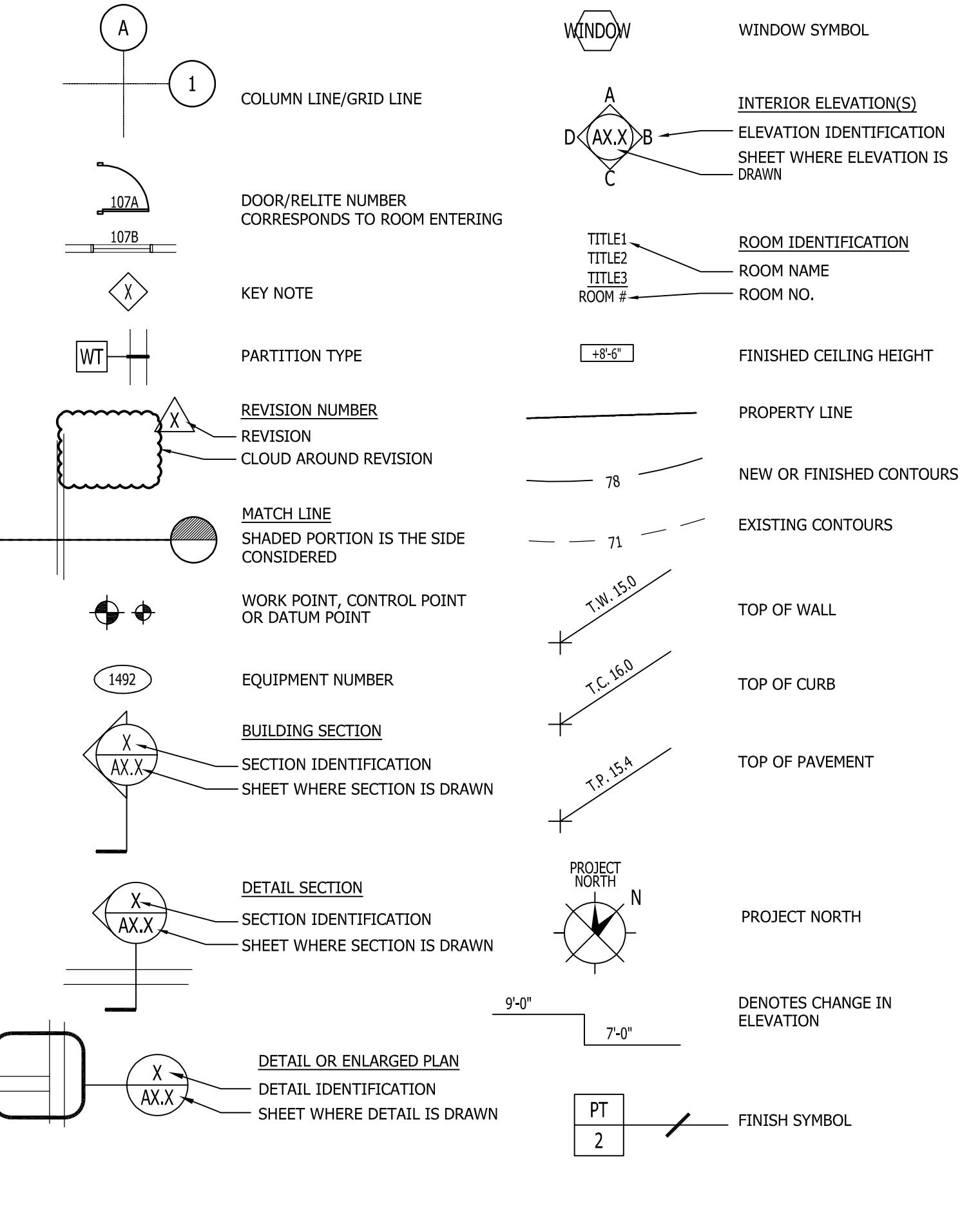


CITY STAMP:

GENERAL NOTES

- The work shall conform to the applicable building code and other ordinances, codes and regulations listed in the specifications or on the drawings... 2. The general contractor shall coordinate building management to determine the rules of the building relative to construction when and how deliveries can be made... 3. The general contractor shall be responsible for the sub-contractors receipt of complete sets of these documents...

SYMBOLS



ABBREVIATIONS

Table of abbreviations including terms like ANGLE, CENTER LINE, DIAMETER OR ROUND, NUMBER OR ROUND, PENNY, PERPENDICULAR, PLATE, ANCHOR BOLT, ACUSTICAL, AIR CONDITIONING, ACUSTICAL CEILING PANEL, ACUSTICAL TILE, ADHESIVE, ADJACENT, ACCESS FLOOR, AT/ABOVE FINISH FLOOR, AUTHORITY HAVING JURISDICTION, ALTERNATE, ACCESS PANEL, ACUSTICAL PANEL CEILING, APPROXIMATE, ARCHITECTURAL, ASPHALT, BOARD, BETWEEN, BLOCK, BUILDING BEAM, BEARING, BOTTOM, BUMPER, BASEMENT, BUILT UP ROOF, CABINET, CATCH BASIN, CEMENTITIOUS BACKER UNIT, CHASE, CERAMIC, CUBIC FEET PER MINUTE, CORNER FLOOR TILE, CON, CONDUIT GUARD, SHULK BOARD, CAST IRON, CONTROL JOINT, CHAIN LINK FENCE, CEILING, CONTINUOUS, CAULKING, JOINT, CLOSET, CLEAR, CONCRETE MASORY UNIT, COUNTER, CLEANOUT, COLUMN, CONC, CONCRETE, CONSTRUCTION CONTINUOUS CORRIDOR, CARPET, CERAMIC TILE, CENTER, CUBIC YARD, LAMINATE, LAVATORY, LAG BOLT, LINEAL FOOT, LENGTH, LEFT HAND, LINOLEUM, LOCKER, LIGHT, MACHINE, MATL, MAXIMUM, MECHANICAL, MEZZANINE, MANUFACTURER, HANHOLE, MINIMUM, MIRROR, MISCELLANEOUS, MOLDING, MOISTURE RESISTANT GWB, MOUNTED, METAL, MULLION, NORTH, NOT IN CONTRACT, NUMBER, NOMINAL, NOT TO SCALE, VINYL, WALL COVERING, WEST, WITH, WITHOUT, WATER CLOSET, WOOD, OPENING, OPPOSITE, PERPENDICULAR, PREFINISHED, PLATE OR PROPERTY LINE, PLASTIC LAMINATE, PLYWOOD, PANEL, PAINT, PAIR.

SHOP PLAN NOTES

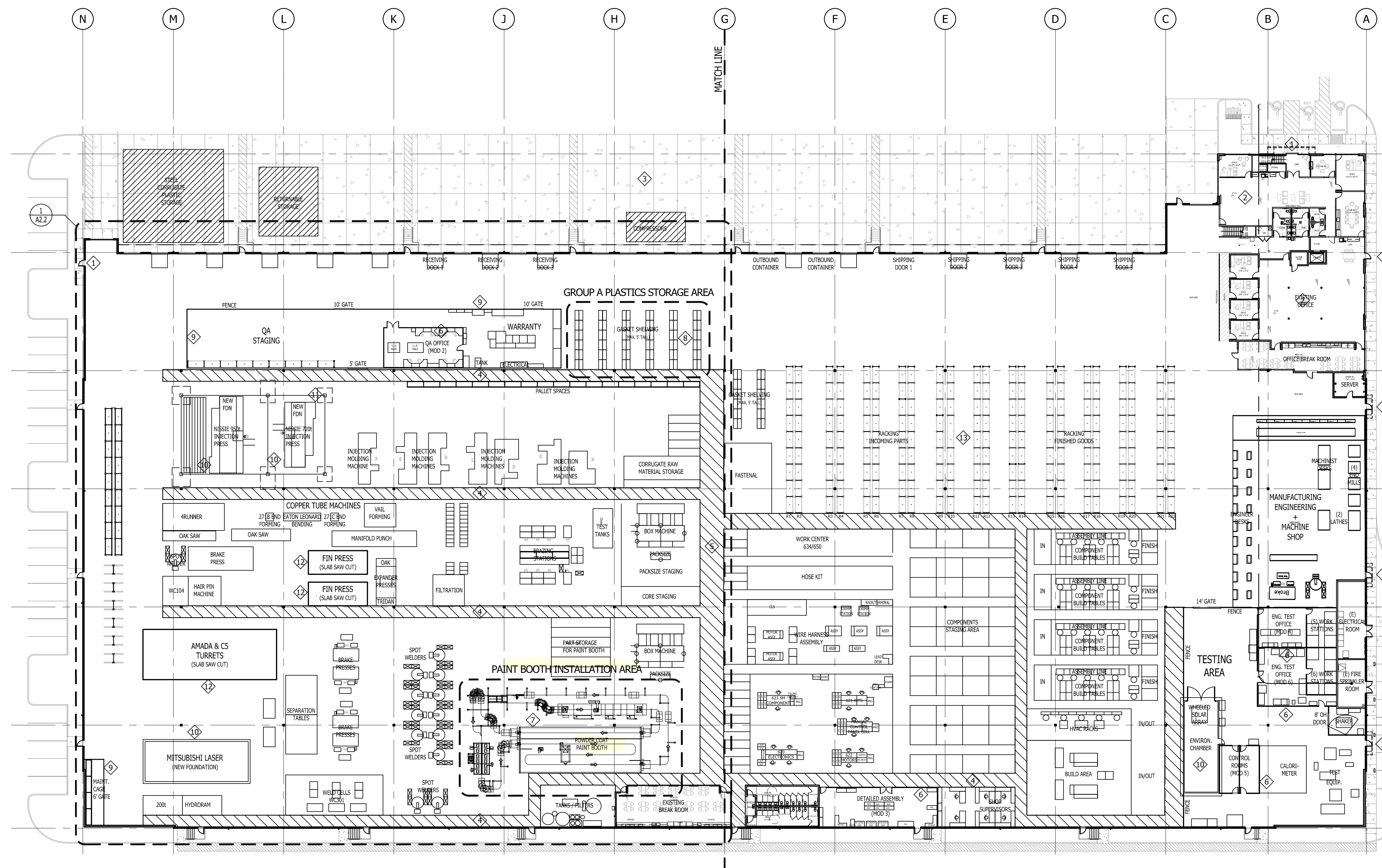
THE RED DOT SHOP LAYOUT PLAN INCLUDES THE FOLLOWING CATEGORIES OF USE:

- 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

A3.1: Not in scope of work. Permit for installation of Paint Booth only.



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).

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	1	02/03/2023
PERMIT RESUBMITTAL 2	2	02/17/2023

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SEAL:



CITY STAMP:

MANUFACTURING
SHOP LAYOUT PLAN

Proj. No: 21.0000440.000 Reviewed By:

1
A2.1
MANUFACTURING SHOP LAYOUT PLAN
1"=30'-0"

SHOP PLAN NOTES

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

- MANUFACTURING:** MACHINES AND PROCESSES TO PRODUCE MANUFACTURED PARTS. AREAS INDICATED IN GRAY INCLUDE EQUIPMENT/MACHINE AND OPERATORS TO COMPLETE THE WORK (MANUFACTURING).
- 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.
- 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 PER FIRE SPRINKLER REPORT FOR GROUP A PLASTICS
- 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

ITEMS TO BE DEFERRED:
MECHANICAL PLANS THAT INCLUDE INSTALLATION OF EXHAUST SYSTEM FOR PAINT BOOTH. INCLUDE CFM PER MANUFACTURER'S SPECIFICATIONS, TERMINATION DETAILS, SUPPORT AND STRUCTURAL ROOF PENETRATION DETAILS, INCLUDE CLEARANCE STRUCTURAL SUPPORT

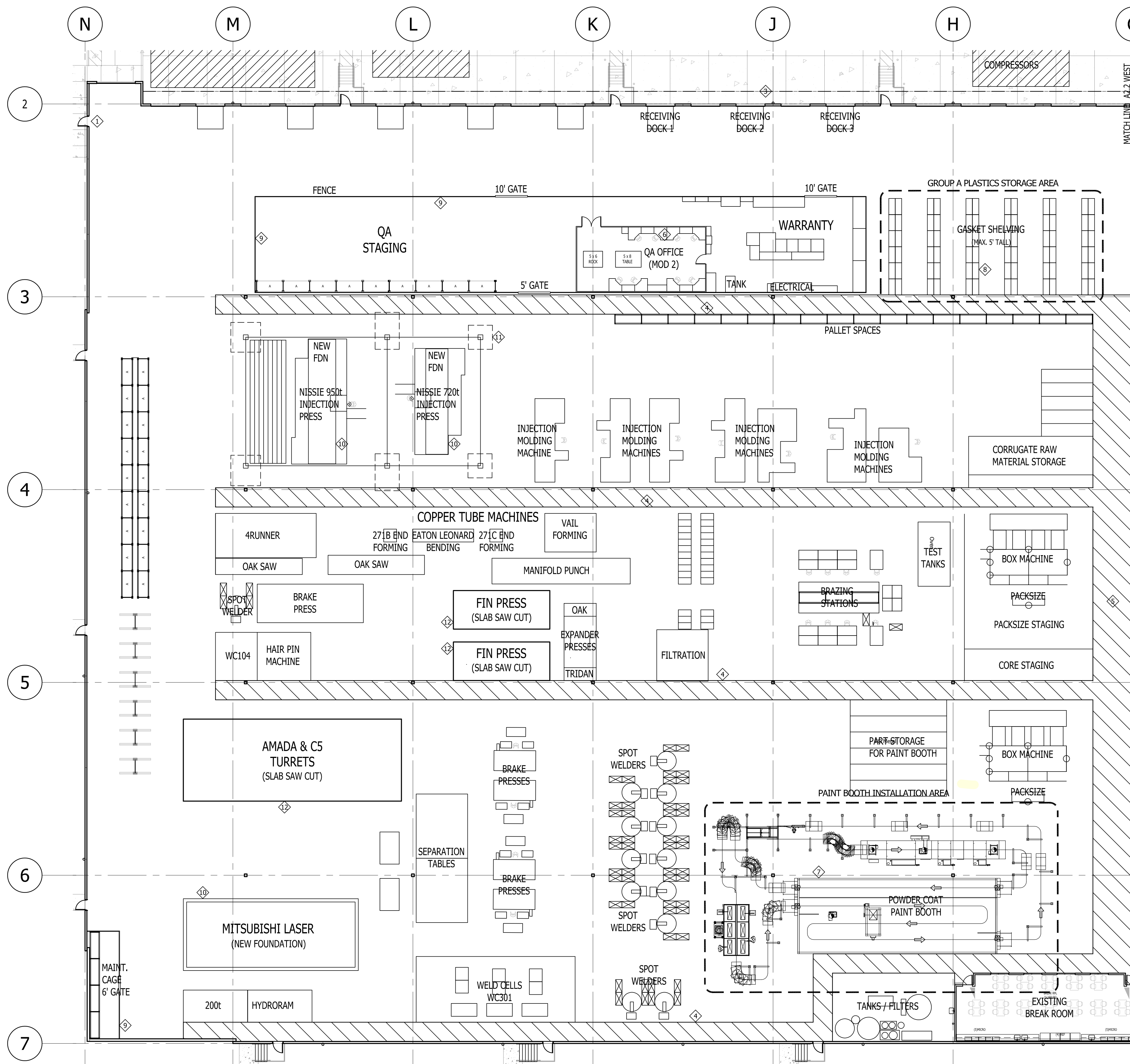
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



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).



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

ENLARGED SHOP FLOOR PLAN - WEST

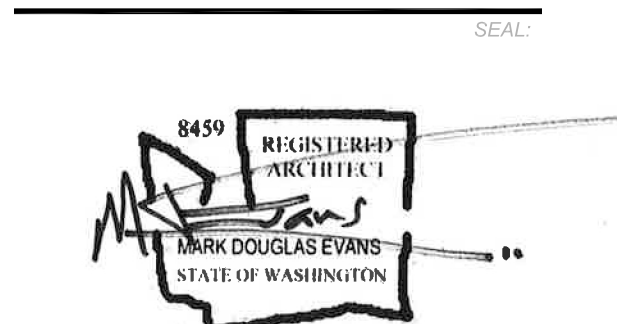
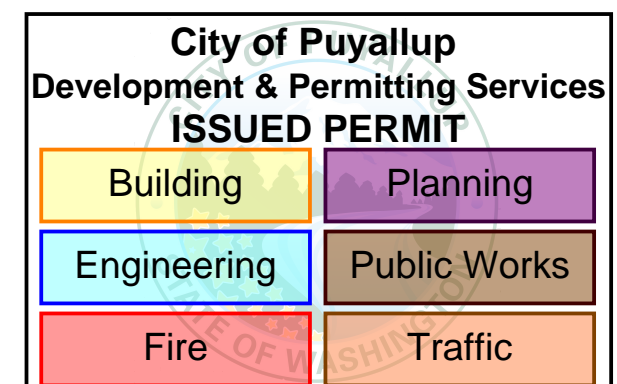


RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

RED DOT SHOP TI PAINT BOOTH INSTALLATION

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description:	No:	Date:
PERMIT SUBMITTAL		12/21/2022
PERMIT RESUBMITTAL	▲	02/03/2023

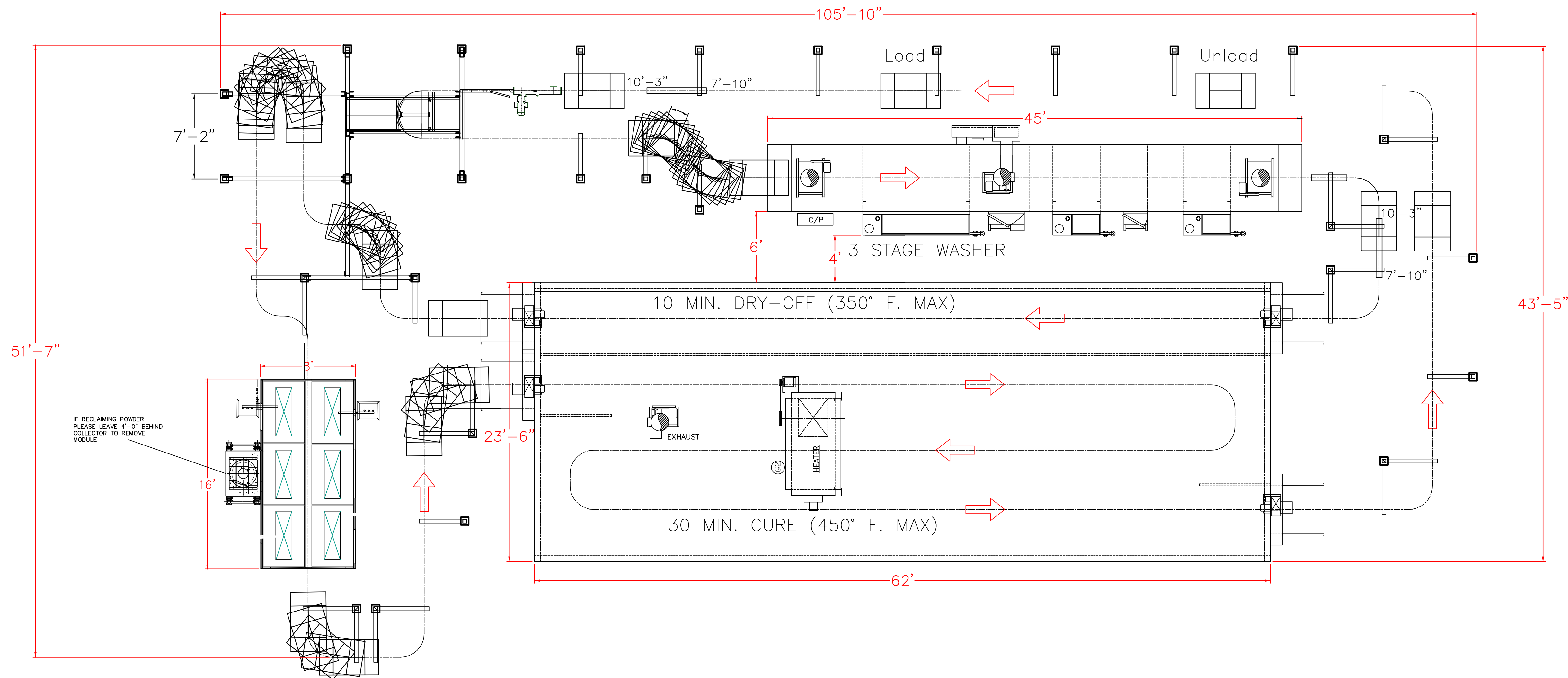


CITY STAMP

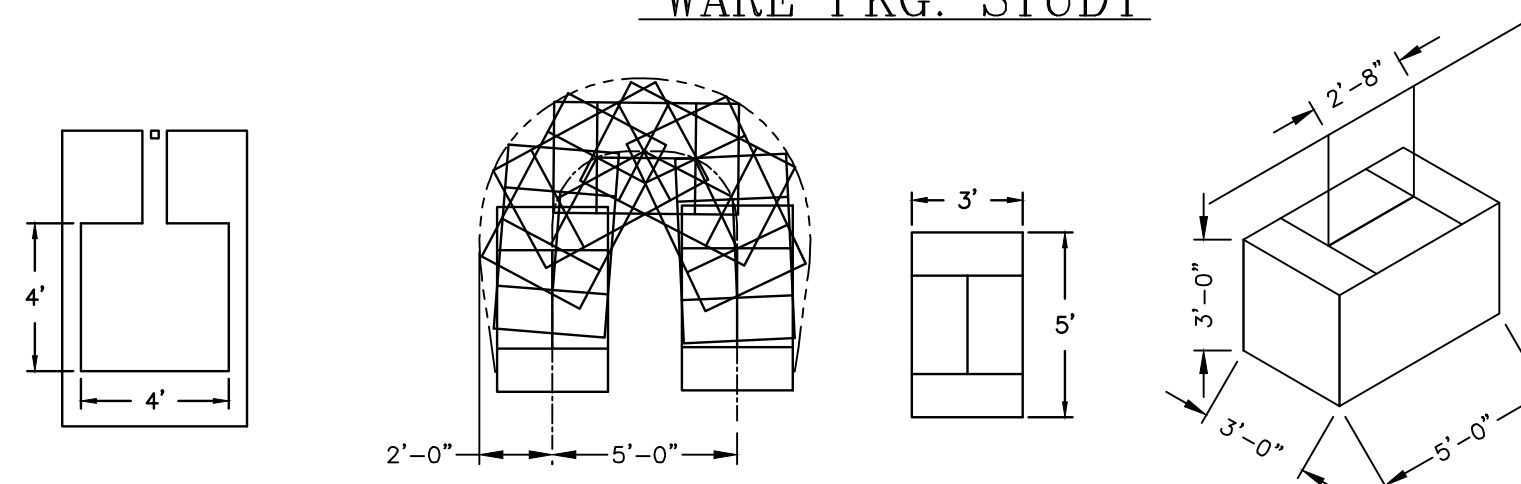
PAINT BOOTH SHOP DRAWINGS

Proj. No: 21.0000440.000 Reviewed By:

A3.1



WARE PKG. STUDY

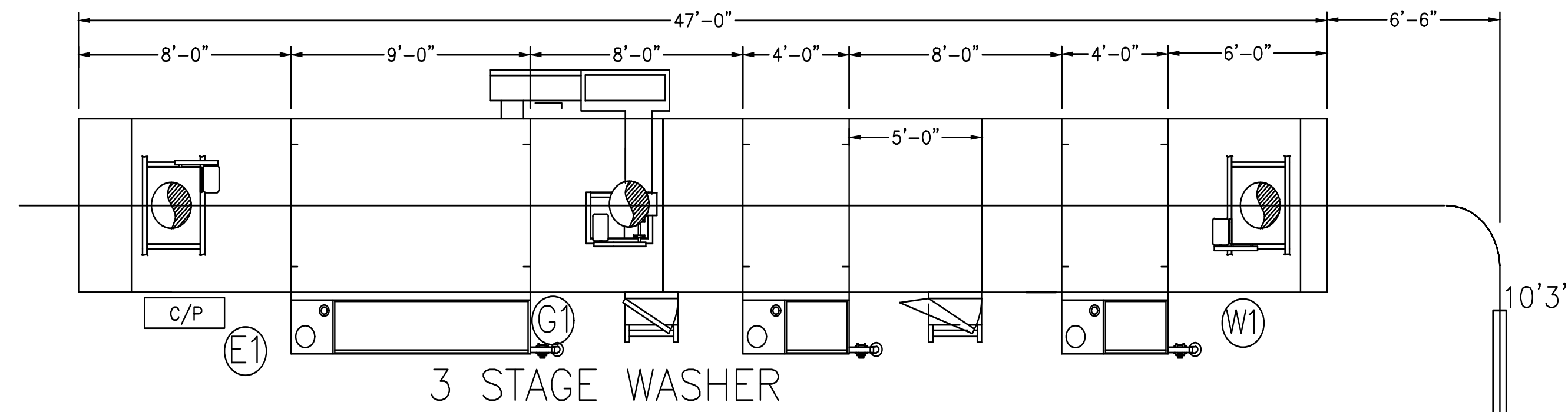


Total Conveyor Length = 606'

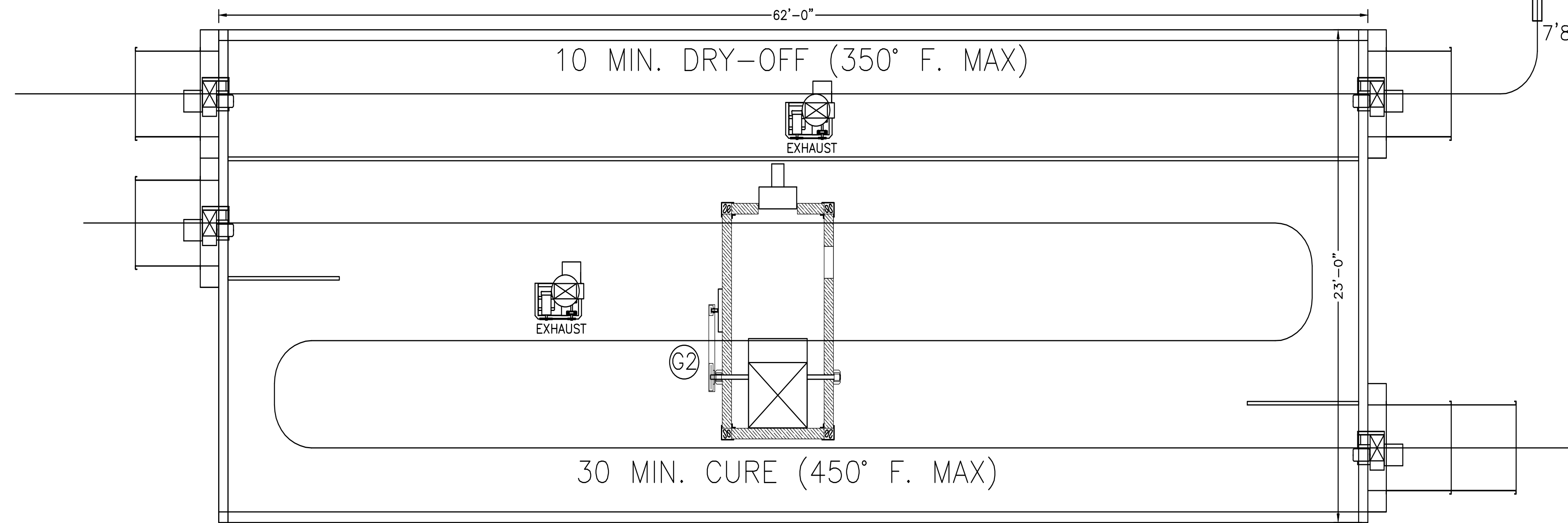
Finishing Technologies, Inc.
5924 NE 112th Ave.
Portland, OR 97208

TITLE Layout - 30 Min. Cure @ 6FPM	DRAWN BY: <i>John Books</i>	QUOTE NO.	DRAWING APPROVAL
PROJECT Powder System	DATE August 8th, 2022	DRAWING NO.	ENGINEERING
CUSTOMER Red Dot Corporation	SCALE 3/16" = 1'	SHEET NO. A1	CUSTOMER
	JOB NO.	REVISION NO. two	CONSTRUCTION
			BY
			DATE

THIS DRAWING AND DESIGN IS THE PROPERTY OF FINISHING TECHNOLOGIES, INC., NEITHER THE DRAWING, REPRODUCTIONS OF IT, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS WITHOUT WRITTEN PERMISSION. NO USE IS TO BE MADE WHICH IS OR MAY BE INJURIOUS TO FINISHING TECHNOLOGIES, INC.



3 STAGE WASHER



10 MIN. DRY-OFF (350° F. MAX)

30 MIN. CURE (450° F. MAX)

UTILITY LEGEND

- E1 - Washer & Oven 149 amps (Fused at 175 amp) 480 V/ 3 Ph.
- G1 - Washer Stg 1 Gas Drop, 1800 CFH Natural Gas, 2-7 PSI Req'd.
- G2 - Combination Oven Gas Drop, 3200 CFH Natural Gas, 2-7 PSI Req'd.
- W1 - City Water Connection - 1 1/2" IPS

A3.2 - Per meetings and walk-through actual meter connection is 1 inch.

PRETREATMENT SYSTEM - 3 STAGE

- Stage 1 - Clean/Coat** 1002 gal Net Capacity 90 sec 130° F. max.
 1 ea - 7.5 hp Spray Pump Cast Iron 324 gpm ea. @ 60' wc
 Heat System - 1 ea. Req'd.
 160AH Burner - 1/3hp - 1.8 MMBTU
 1800 cfh Natural Gas @ 2-7 PSI Supply Pressure
 108 ea - 65/40 Flat V Spray Nozzles @ 25 psi max
 Ultra Sonic Level Control Fresh Water Make-up from Stage #2
 Manual Quick Water Fill - 1 1/2"
- Stage 2 - Rinse** 443 gal Net Capacity 40 sec Ambient
 1ea - 5 hp Spray Pump Cast Iron 144 gpm ea. @ 60' wc
 48 ea - 65/40 Flat V Spray Nozzles @ 25psi max
 Ultra Sonic Level Control Gravity Fed Water Make-up from Stage #3
 Manual Quick Water Fill - 1 1/2"

- Stage 3 - Rinse** 443 gal Net Capacity 40 sec Ambient
 1ea - 5 hp Spray Pump Cast Iron 144 gpm ea. @ 60' wc
 48 ea - 65/40 Flat V Spray Nozzles @ 25psi max
 Ultra Sonic Level Control Gravity Fed Water Make-up
 Manual Quick Water Fill - 1 1/2"

General

- Tanks - 3/16" #304 SS
- Drain boards - 12ga #304 SS
- Catwalks - 12ga #304 SS
- Sump Covers - 12ga #304 SS
- 7/8 SWSI Exhaust Fan - 1,037 cfm One ea. - 2hp
- 7/8 DWDI Vent Fan - 3,333 cfm Two ea. - 2hp
- Pressure Gauges on All Pumps
- All Spray Risers - 12 nozzles - Side/Side/Over/Under (Sch 80 CPVC)
- Insurance Standard - FM

COMBINATION OVEN

Dry-Off Section

- Single Pass
- Design Maximum Operating Temperature - 350° F.
- Design Product Throughput - 5,000 lbs/hr Aluminum
- Residence Time - 10 min. @ 6 FPM Conveyor Line Speed
- High Velocity Air Seals - 2 ea. with 2hp Fans

Cure Section

- Three Pass
- Design Maximum Operating Temperature - 450° F.
- Design Product Throughput - 5,000 lbs/hr Aluminum
- Residence Time - 30 min. @ 6 FPM Conveyor Line Speed
- High Velocity Air Seals - 2 ea. with 2hp Fans

General

- Heat System - 1 ea. Req'd.
- 320AH Burner - 3/4hp - 3.2 MMBTU
- #2 1/4 DWDI Recirculating Air Blower - 36,000 cfm - 40 HP
- 3200 cfh Natural Gas @ 2-7 PSI Supply Pressure

Insulated 'B' Deck Floor

- 6" Thick Oven Walls and Roof
- Exhaust Fans - Dry Off 750 cfm Exh/2,044 cfm Purge - 1 Fan @ 2 HP - VFD Control
- Cure 2,750 cfm Exh/3,814 cfm Purge - 2 Fan @ 2 HP - VFD Control
- Insurance Standard - FM

REQUIRED CUSTOMER INFORMATION

- The following information is required before detail engineering can begin. Please include the following information on the return copy of this approval drawing:
- Roof Height: _____ (ft-in) @ South Building Wall in Drawing
- Roof Slope: _____
- 3 phase Voltage: 480V/3PH/60Hz
- Heat Source: Natural Gas
- Fuel Supply Pressure: _____ @ Equipment (NOTE: 2-7 psig req'd.)
- Building Access Size & Location:

FINISHING TECHNOLOGIES APPROVAL

REVIEW THIS DOCUMENT CAREFULLY. APPROVAL IS REQUIRED FOR MUTUAL PROTECTION OF PURCHASER AND SELLER.

- SATISFACTORY AND APPROVED FOR FABRICATION
- APPROVED FOR FABRICATION WITH CHANGES NOTED.
- UNSATISFACTORY, REQUIRES REVISED PRINT WITH CHANGES AS INDICATED.

COMPANY _____

SIGNATURE _____ DATE _____ TITLE _____

Revision	
No.	Note
1	5-31-22 APPROVAL DWG.

636-343-6370 WWW.GAT-SYSTEMS.COM ST. LOUIS, MO.

FOR: **FINISHING TECH**

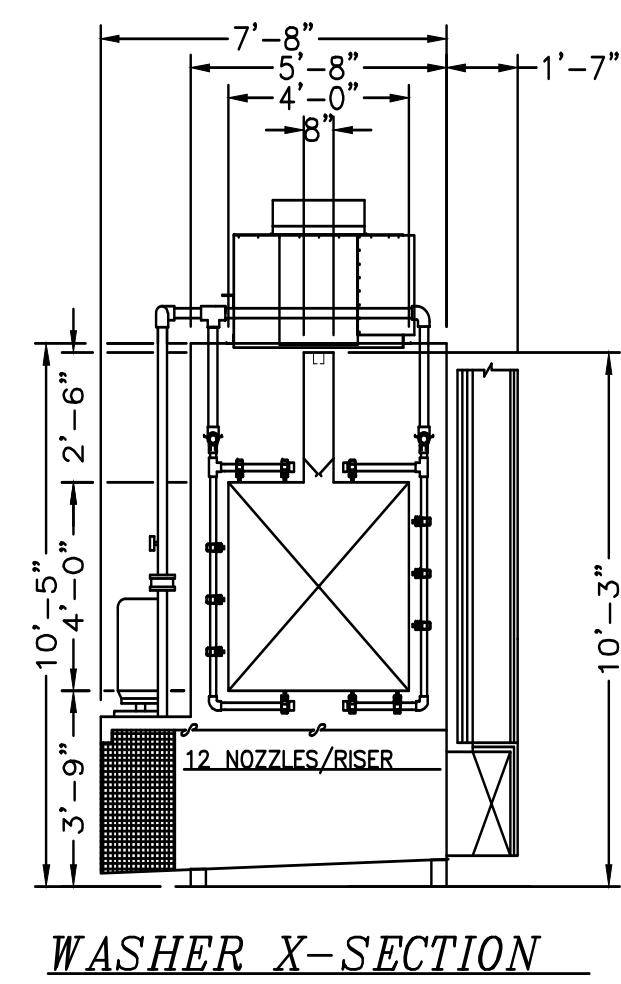
JOB: **RED DOT WASH/OVENS**

THIS DRAWING IS OF A CONFIDENTIAL NATURE AND IS THE EXCLUSIVE PROPERTY OF GENERAL AUTOMATIC TRANSFER CO. AND MAY NOT BE REPRODUCED, USED OR DISCLOSED WITHOUT WRITTEN PERMISSION OF THE OWNER.

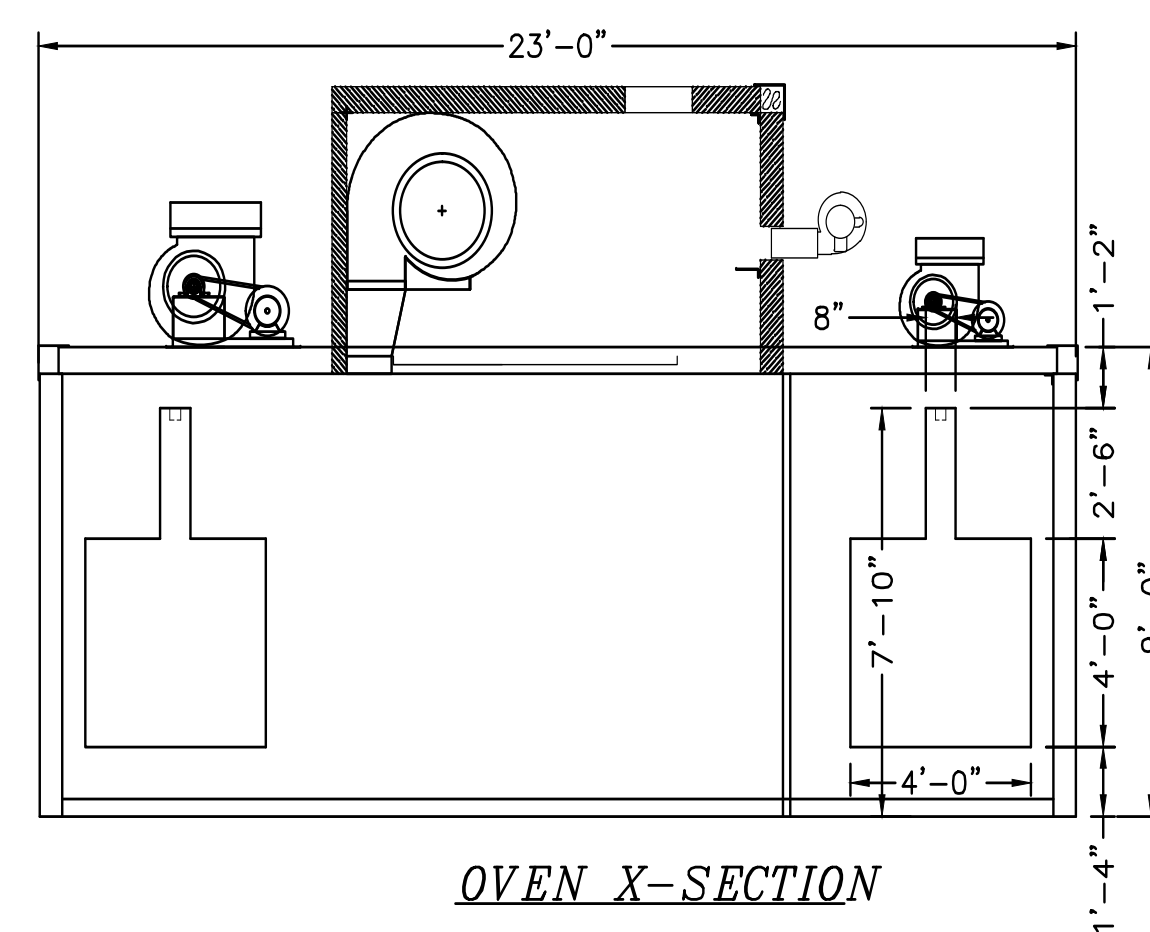
SCALE: 1/4"=1'-0" & AS NOTED

DATE: 4/22/22 DRAWN BY: DAN GUIRL

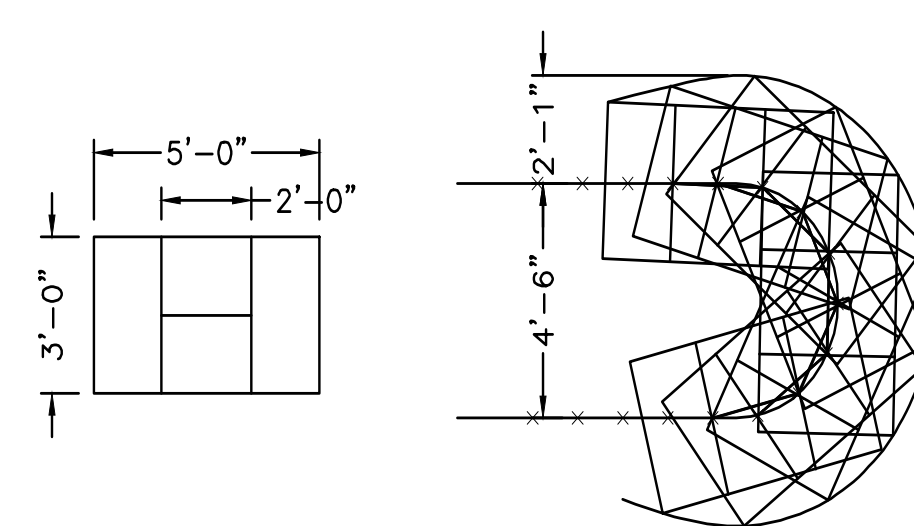
DRAWING NO. 22064 SH. OF



WASHER X-SECTION



OVEN X-SECTION



RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

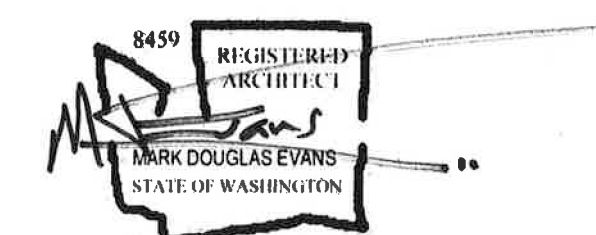
RED DOT SHOP TI PAINT BOOTH INSTALLATION

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description:	No:	Date:
PERMIT SUBMITTAL		12/21/2022
PERMIT RESUBMITTAL		02/03/2023

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



PAINT BOOTH SHOP DRAWINGS

Proj. No: 21.0000440.000 Reviewed By:

A3.2

Powder Coating Supply

**(1) Booth Assy required
18g 304 SS**

POWDER COATING SUPPLY, INC.

125 LANSING DRIVE, UNIT 5
HAMILTON, ONTARIO L8W 2Z9
(905) 389-2141 Fax: (905) 388-2342
email: vol@powdercoatingsupply.com

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON THE JOB SITE AND REPORT ANY DISCREPANCIES BEFORE COMMENCING WITH THE WORK. DIMENSIONS TO TAKE PRECEDENCE OVER SCALE.

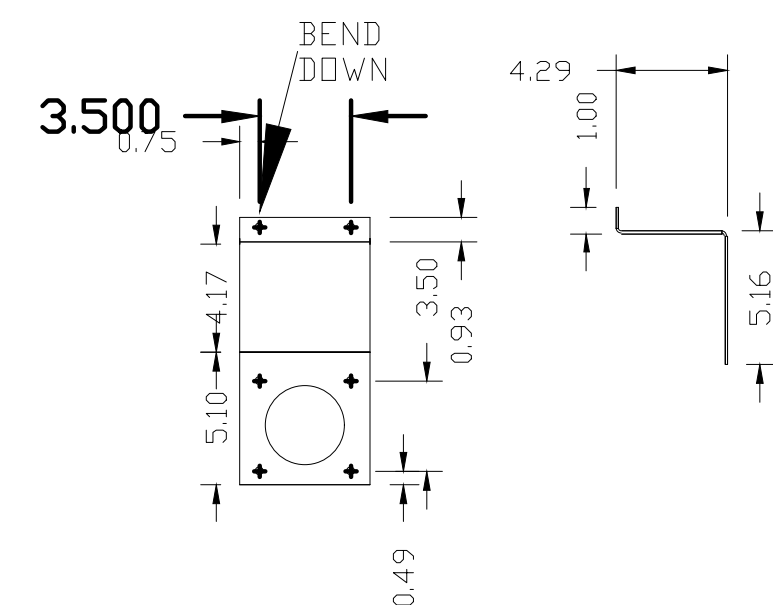
THIS PRINT IS THE PROPERTY OF POWDER COATING SUPPLY, INC. AND IS LOANED TO THE RECIPIENT SUBJECT TO RETURN UPON DEMAND. CONTENTS ARE CONFIDENTIAL AND MUST NOT BE COPIED OR SUBMITTED TO OUTSIDE PARTIES FOR USE OR EXAMINATION.

APPROVAL	DATE		
ENGINEER			
CONTRACTOR			
CUSTOMER	FINISHING TECH		
TITLE	COMBINATION POWDER BOOTH SYSTEM		
JOB NO.	DWG. BY	vol	DWG. NO.
PLOT NO.	SCALE		PCS-100412R1
DATE	CHK. BY		
AUG 24/22			

NELSON

Nelco Architecture, Inc.

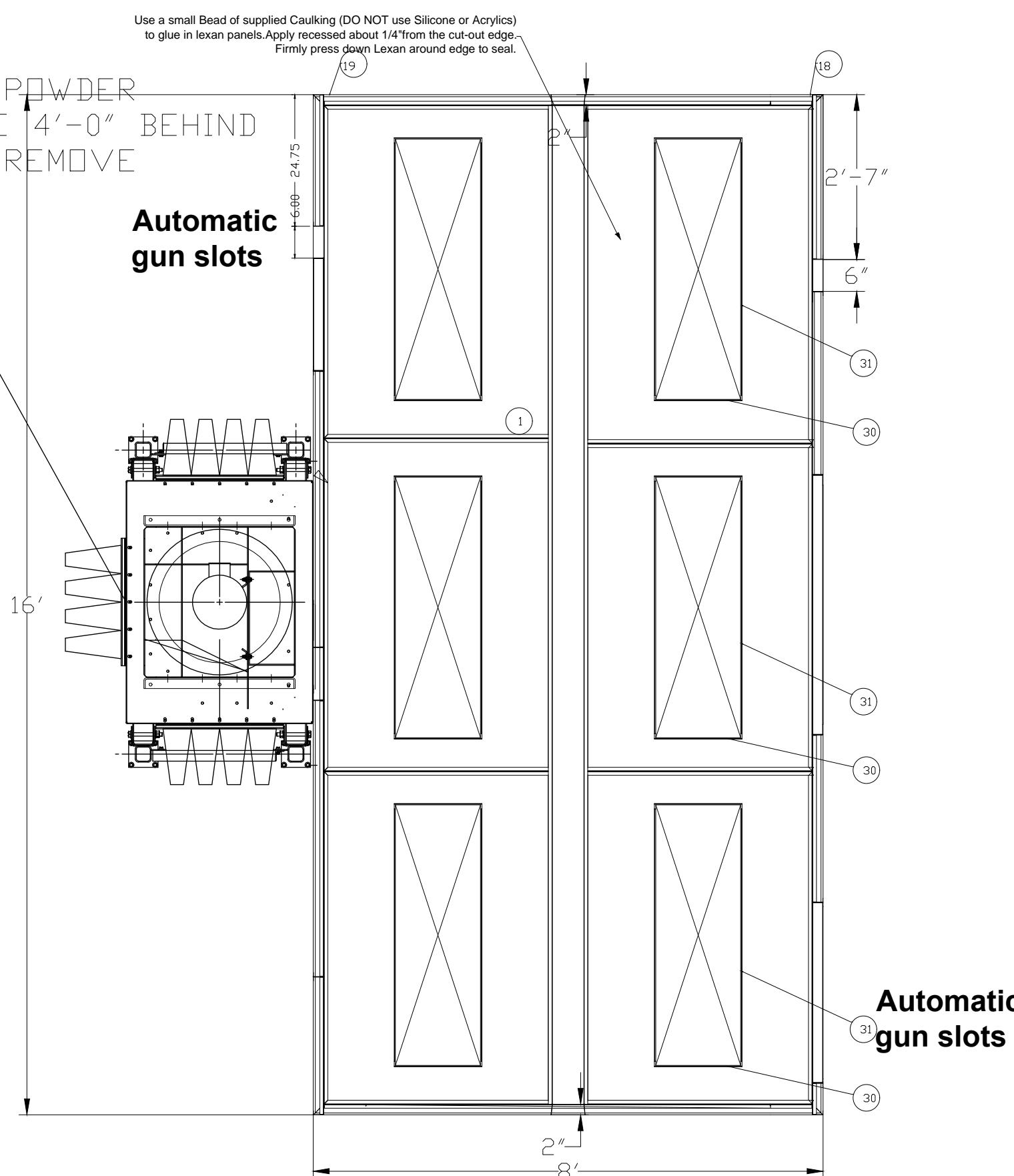
1200 Fifth Ave.
Suite 1300
Seattle, WA 98101
Phone: (206) 408-8500
WWW.NELSONWORLDWIDE.COM



Item #31 - Fire Eye Brackets
(2) Required - 18 G

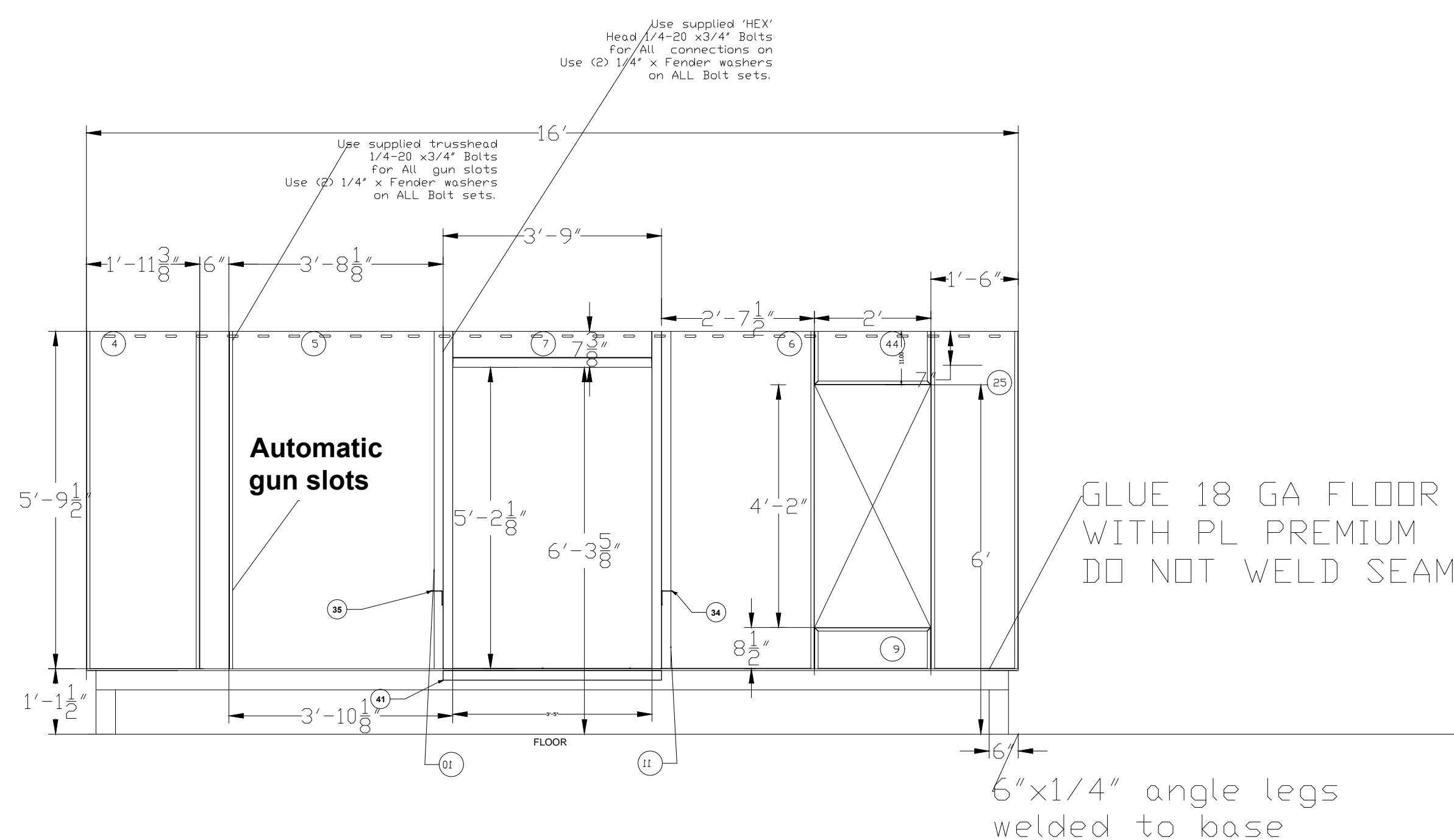
Installed on Both with
Truss or Pan head bolts.

IF RECLAIMING POWDER
PLEASE LEAVE 4'-0" BEHIND
COLLECTOR TO REMOVE
MODULE



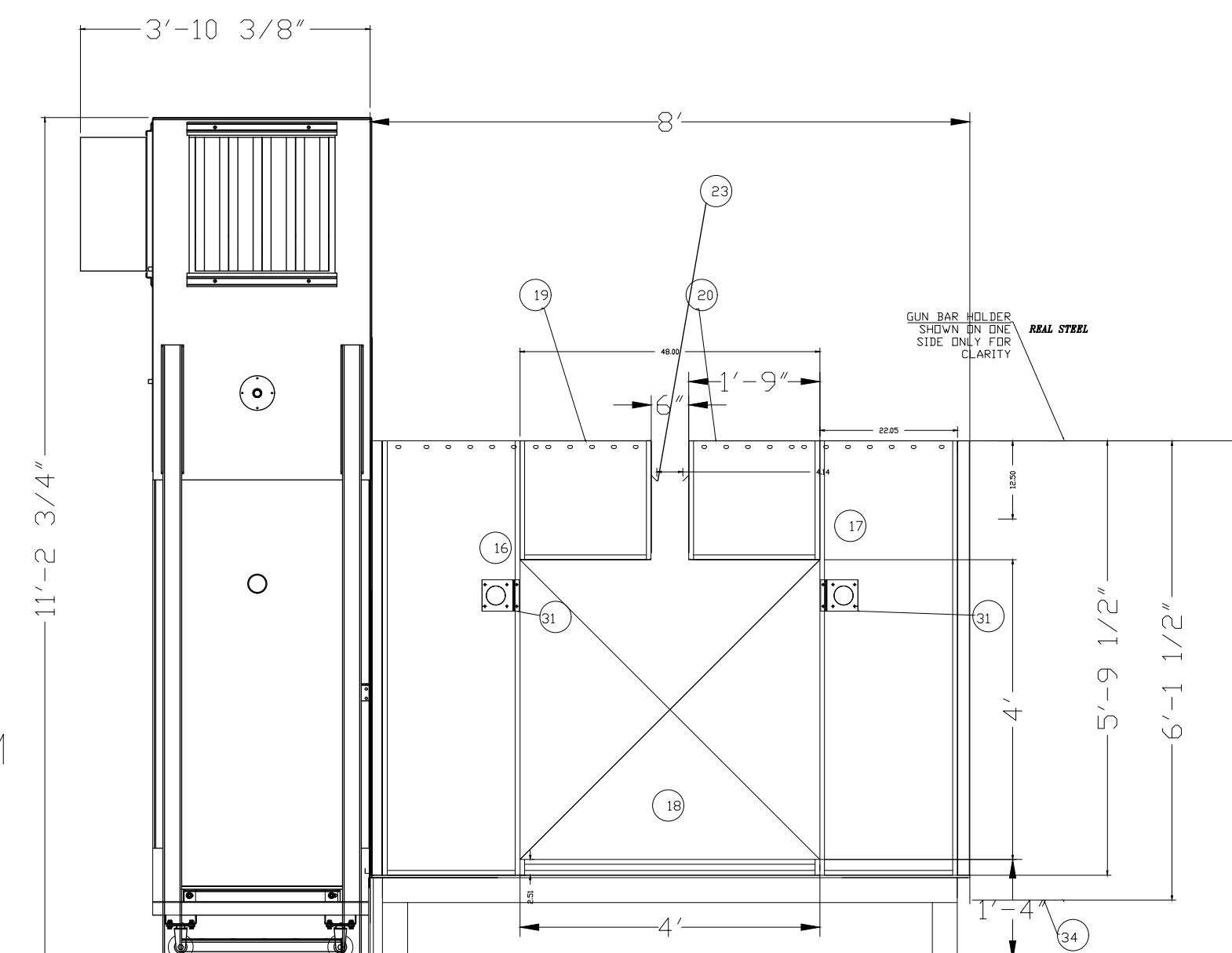
SAFETY FEATURES

- SYSTEM IS DESIGNED TO CONFORM TO NFPA 33
- EXHAUST AIR IS CONSTANTLY MONITORED AND SYSTEM WILL SHUT DOWN IF SAFETY FILTERS ARE LOADED
- GUNS ARE INTERLOCKED WITH COLLECTOR
- FAN IS 6,000 CFM 460V/3PH/60HZ 7.5 HP DIRECT DRIVE
- THE FAN WHEEL IS NON-SPARKING

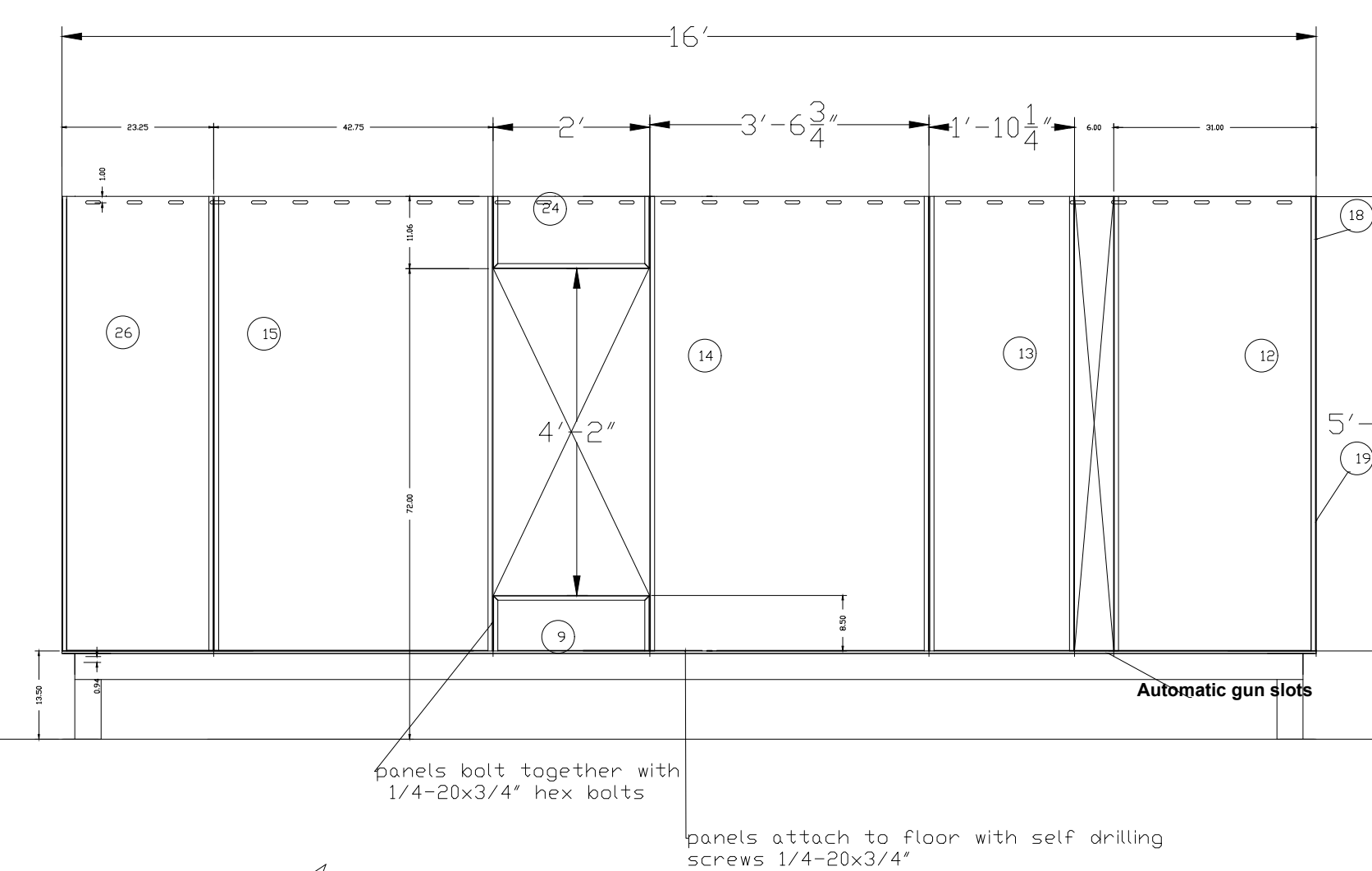


GLUE 18 GA FLOOR
WITH PL PREMIUM
DO NOT WELD SEAM

6"x1/4" angle legs
welded to base



CLASS II DIV I INSIDE SPRAY BOOTH
CLASS II DIV II 5-GROUP 5 FOOT RADIUS HORIZONTALLY
AND 3 FOOT RADIUS VERTICALLY FROM ANY OPEN FACE
OR CONVEYOR SLOT



Part Flow

CLIENT



RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

PROJECT

**RED DOT SHOP TI
PAINT BOOTH INSTALLATION**

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description: No: Date:
PERMIT SUBMITTAL 12/21/2022
PERMIT RESUBMITTAL 02/03/2023

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

Building	Planning
Engineering	Public Works
Fire	Traffic

SEAL



CITY STAMP

**PAINT BOOTH
SHOP DRAWINGS**

Proj. No: 21.0000440.000 Reviewed By:

A3.3

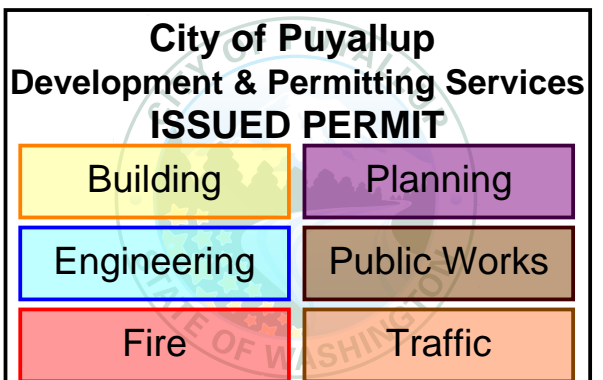


RED DOT CORPORATION
495 ANDOVER PARK EAST
TUKWILA, WA 98188

RED DOT SHOP TI
PAINT BOOTH INSTALLATION

2504 EAST MAIN AVENUE
PUYALLUP, WA 98372

Description:	No:	Date:
PERMIT SUBMITTAL		12/21/2022
PERMIT RESUBMITTAL	△	02/03/2023



PAINT BOOTH CONVEYOR COMPONENT CUT-SHEETS & DETAILS

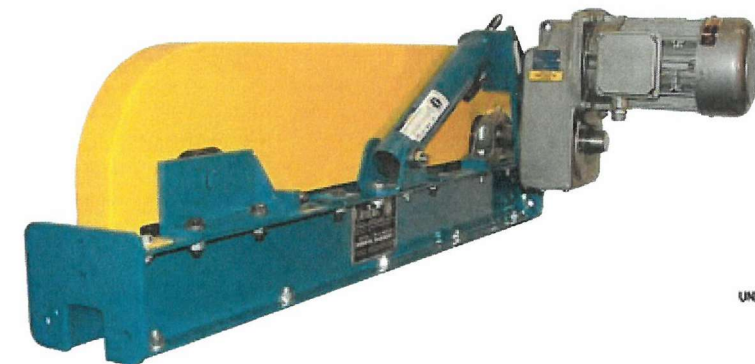
Proj. No: 21.0000440.000 Reviewed By:

A3.4

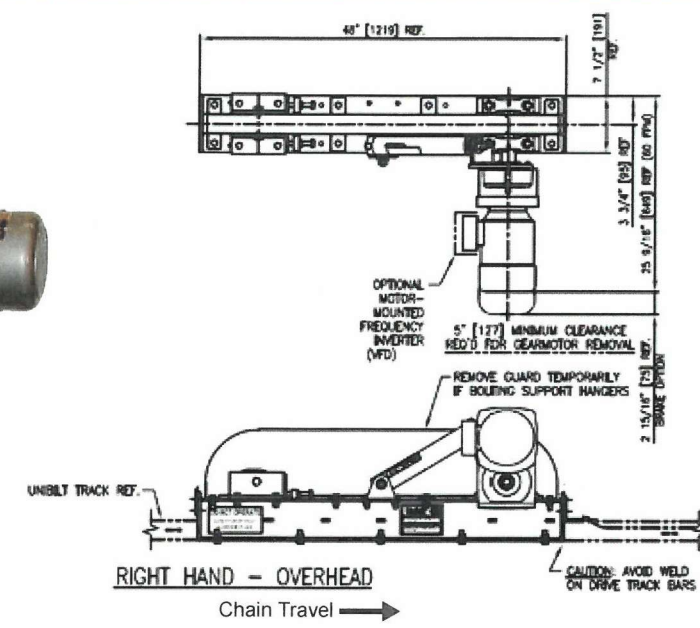
Unibilt Conveyor Components

Caterpillar Drive Units

Caterpillar Drive Unit
750# Chain Pull Capacity



Weight: 375 lb.



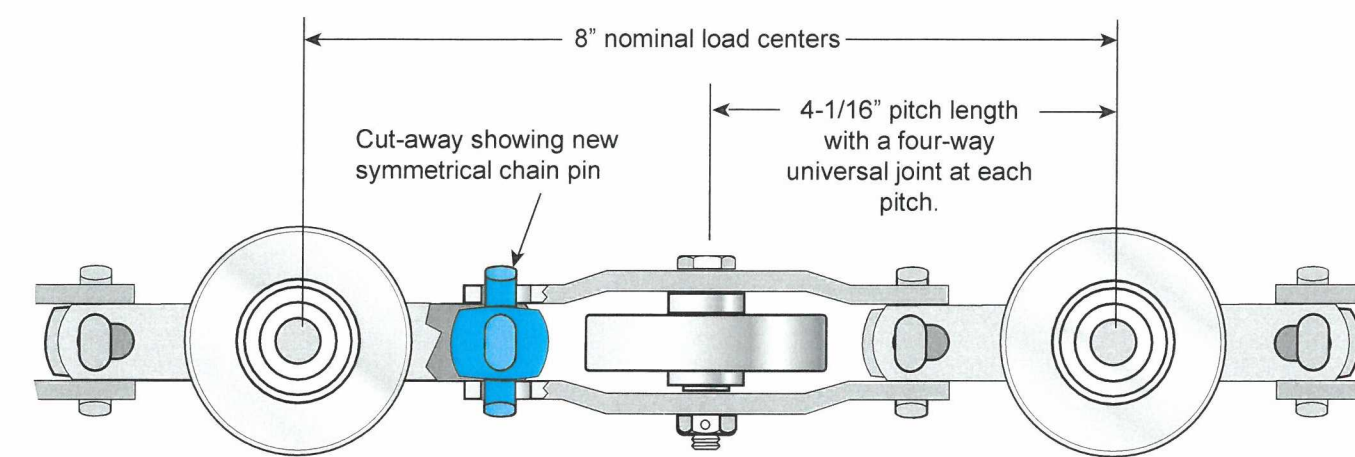
The Unibilt caterpillar drive unit is designed to provide maximum flexibility for all enclosed track power requirements in a single compact package. **Inverted drives are available upon request.**

Many outstanding features make this drive unique in its class.

- The drive has a 750 lb chain pull.
- Constant speed or variable speed available. **Right handed drives are standard.**
- Inverter options for achieving intermediate speeds mounts to motor terminal as an option.
- Standard speeds are 5 FPM, 17 FPM, and 60 FPM.
- Guard on drive units comply with applicable OSHA and ANSI B20.1 standards.
- The drive has an electrical automatic overload cut-off device, which is factory adjusted at 1100 lb to stop the motor automatically when an overload or jam condition occurs.
- Multiple drives are required when chain pulls exceed 750 lb. Consult your Webb Regional Manager for multiple drive situations.
- Solid fixed heat-treated steel caterpillar driving dogs eliminate the need for special cams or springs to engage the conveyor chain.
- Fewer parts - direct drive technology eliminates belts and sheaves from the drive, reducing maintenance requirements.
- High-efficiency gear motor with helical bevel gears.
- 1800 RPM, 230/460 volt, 3 phase, 60 hertz, TEFC inverter-duty motors (5:1 ratio) are supplied unless otherwise specified.
- Motor controls (push buttons, starters, thermal overloads, etc.) are not included with drives, but can be supplied to your specifications.
- Universal end yokes are provided for convenient hanging. Drive units should be braced adequately to eliminate vibration. Refer to installation methods for hanging and bracing technique.
- Unibilt caterpillar drives permit positioning the drive at the most advantageous location on the system, rather than confining drive location to a horizontal turn, as necessary when driving with a sprocket drive.
- Drive frame and track are painted Unibilt Blue.

Unibilt Conveyor Components

Chain...the Heart of the System



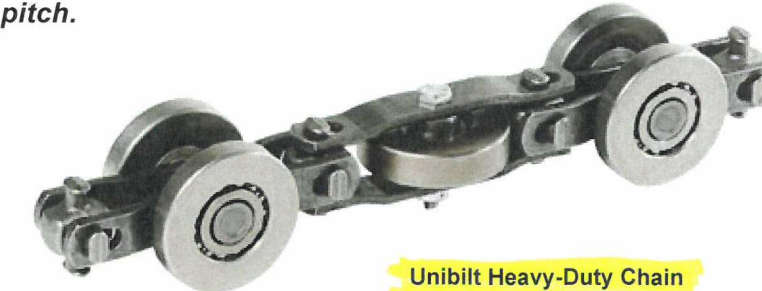
Stamped side links of high carbon steel, heat-treated for maximum strength and wearability.

Weight: 3.75 lb per foot

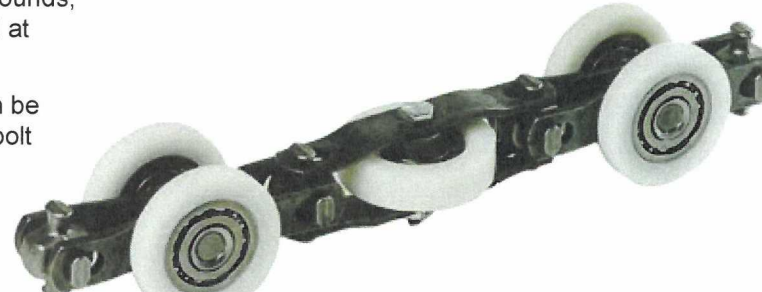
Unibilt Heavy-Duty Chain with symmetrical chain pin is designed to provide maximum flexibility in all directions with a true universal joint at every pitch.

Some of its outstanding features are:

- Both lateral and vertical load-carrying wheels are ball bearing style, made of machined steel with machined ball bearing races. Heat-treated steel balls are used. All wheel parts are heat-treated to provide maximum life.
- The symmetrical chain pin is high carbon steel and heat-treated for long life, added strength and ease of installation.
- The ultimate strength of this chain is over 10,000 pounds, providing a safety factor of over 16-to-1 when used at recommended chain pulls (item 17, page 10).
- Easily assembled and disassembled, the chain can be disassembled at every pitch by removing the axle bolt on the lateral guide wheel. The chain can then be flexed 90 degrees and the side links removed.
- Heavy-duty chain is available with steel core wheels with nylon tires for noise reduction.
- The heavy-duty chain comes in 20' lengths (nominal).
- **27826 chain (steel) 125 pound capacity on 8" nominal centers.**
- **27827 chain (nylon) 75 pound capacity on 8" nominal centers.**



Unibilt Heavy-Duty Chain
27826 (Steel)
Maximum temperature:
up to 450°F w/proper lubrication



Unibilt Heavy-Duty Chain
27827 (Nylon)
Maximum temperature:
up to 120°F w/proper lubrication

Unibilt Enclosed Track

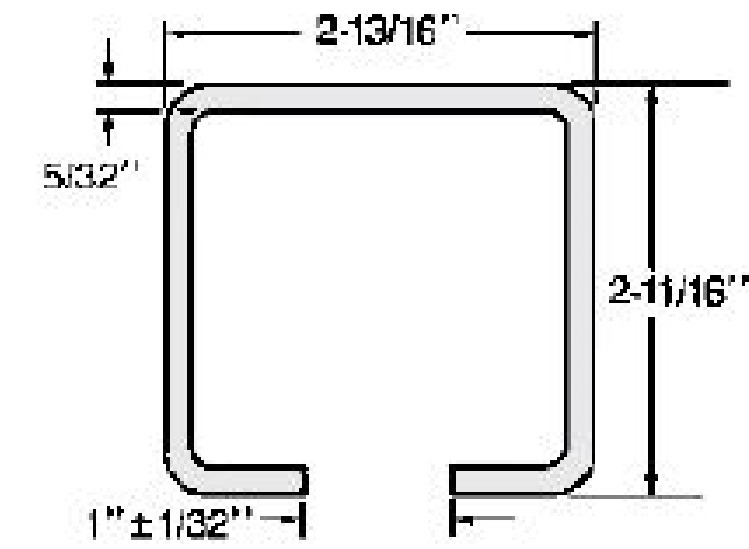
Enclosed Track10'0" Lg. 20200
Enclosed Track20'0" Lg. 16997
* #304 Stainless Steel20'0" Lg. 16999



Weight: 4.8 lb per foot

The Unibilt Enclosed Track 20200 is a square tubular section formed of 5/32" high strength Webballoy II steel. The yield strength of this steel is about 26% greater than plain carbon steel, allowing the track to be formed in lighter sections and still maintain its strength and rigidity over long spans.

The lighter weight makes it easier to handle and imposes less load on the conveyor hangers and the building structure.



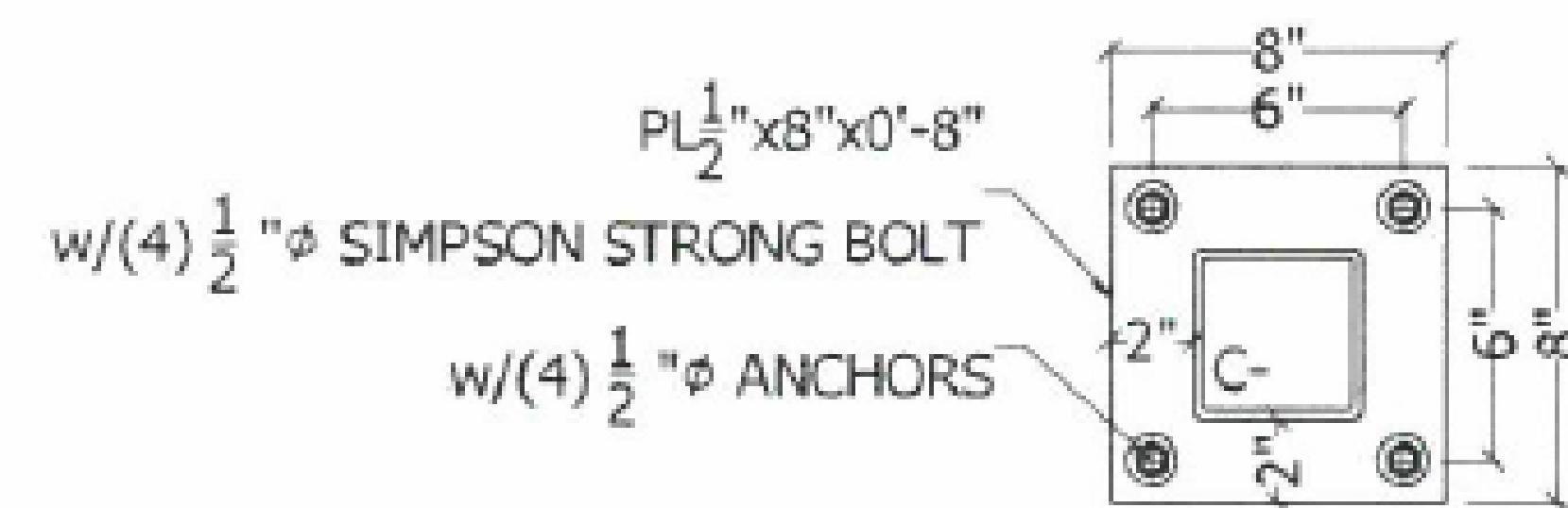
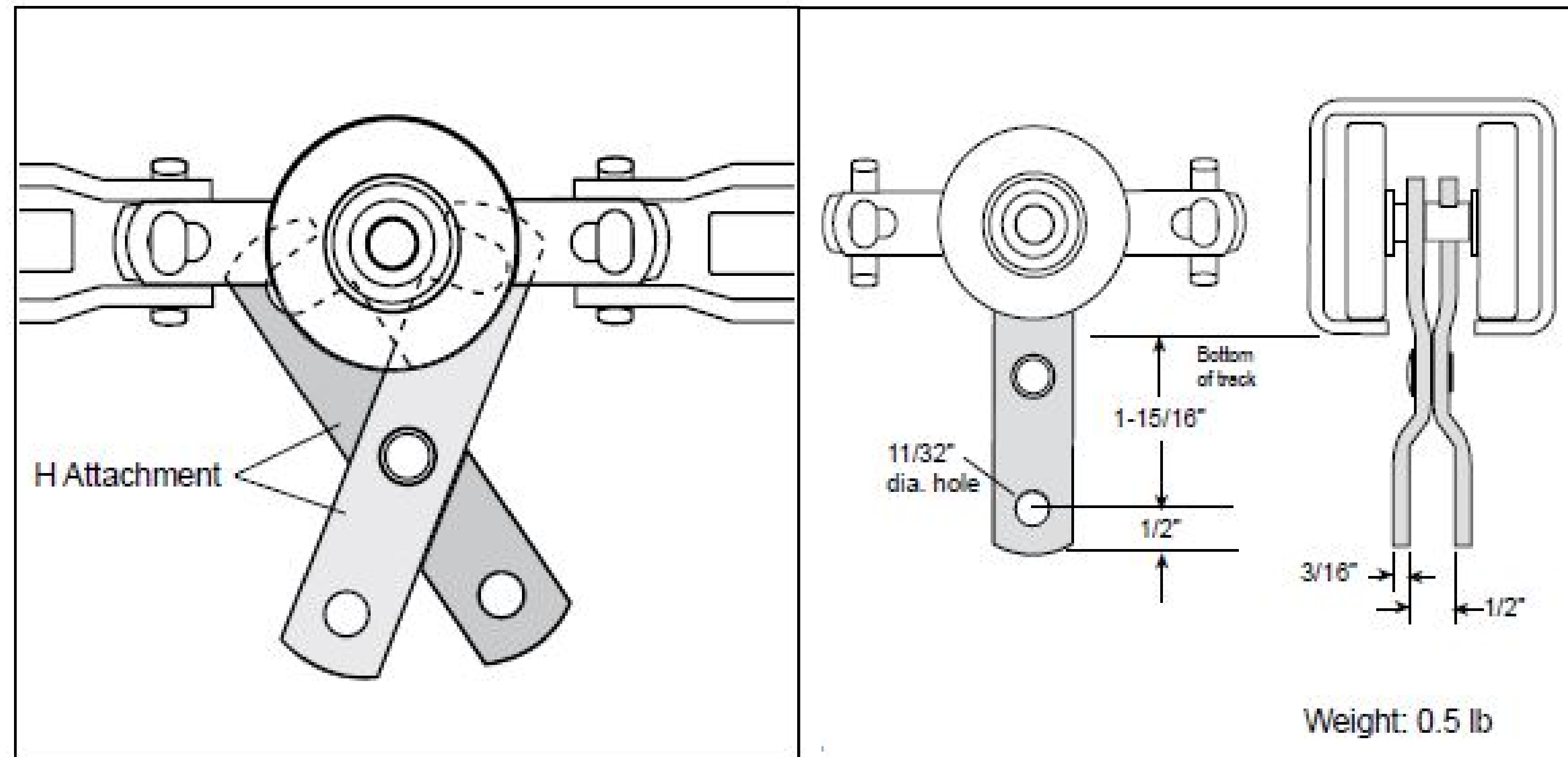
This special alloy steel has greater abrasion resistance and better load-carrying characteristics than plain carbon steel, assuring longer life under most service conditions.

The track can be welded using AWS E7018 low hydrogen rod or E71T1 wire and can be saw-cut in the field without special tools. Unibilt track is available in 10' or 20' lengths. The external surfaces of the tracks are painted our standard "Unibilt Blue."

* Unibilt stainless steel track is recommended for use through parts washers and corrosive environments.

Standard "H" Attachment 21298

(Capacity 125 lb, Max. 45° Incline)



1 CONVEYOR SUPPORT COLUMN BASE PLATE
A3.4