

Development Services

From Concept to Construction

Phone: 503-823-7300 Email: bds@portlandoregon.gov 1900 SW 4th Ave, Portland, OR 97201

More Contact Info (<http://www.portlandoregon.gov/bds/article/519984>)



APPEAL SUMMARY

Status: Decision Rendered - Held over from ID 20210 (4/3/19) for additional information

Appeal ID: 20267

Project Address: 1440 N Rivergate Blvd

Hearing Date: 4/17/19

Appellant Name: Gary M. Livermore

Case No.: B-018

Appellant Phone: 503-892-3002

Appeal Type: Building

Plans Examiner/Inspector: Connie Jones

Project Type: commercial

Stories: 1 **Occupancy:** B **Construction Type:** V-B

Building/Business Name:

Fire Sprinklers: Yes - 13d Sprinklers in Trailer

Appeal Involves: Erection of a new structure

LUR or Permit Application No.: 18-269100-CO

Plan Submitted Option: pdf [File 1] [File 2] [File 3]
[File 4]

Proposed use: General Office

APPEAL INFORMATION SHEET

Appeal item 1

Code Section 503.1, 602.1

Requires

OSSC Section 503.1 states that the building height and area shall not exceed the limits specified in Table 503 based on the type of construction as determined by Section 602 and the occupancies as determined by Section 302 except as modified thereafter. Each portion of a building separated by one or more fire walls complying with Section 706 shall be considered a separate building.

OSSC Section 602.1 states that buildings and structures erected or to be erected, altered altered or extended in height or area shall be classified in one of the five construction types defined in Sections 602.2 through 602.5. The building elements and exterior walls shall have fire ratings as identified in Chapter 6.

Proposed Design

EVRAZ intends to install two trailers at the south side of the existing Pipe Forming Mill Building on their site. The Pipe Forming Mill is approximately 232,000 square feet, single-story, Type IIB construction (nonsprinklered) and F-2 occupancy. It was permitted in 2005 as an unlimited area building. The trailers are 480 square feet and 2,160 square feet respectively and are premanufactured units of VB. The 480 square foot unit will be located 9'-0" from the face of the Pipe Forming Mill Building and the 2,160 square foot unit will be located 5'-0" from the face of the existing building.

The trailers will have NFPA 13d sprinklers throughout.

Reason for alternative

The trailers are premanufactured units of VB construction that cannot be modified or their "gold seal" certification will be invalidated. They must be located adjacent to the existing Pipe Forming Mill to provide the required support functions to the existing building. The roadway to the south

does not allow the buildings to be moved any further away from the existing Pipe Forming Mill Building.

NFPA 13d sprinklers will be provided in the two trailers. This sprinkler system will be provided in another trailer that will be installed on site (Fire Code Appeal #19026). Four fire hydrants are located in the roadway to the south of the trailers and existing building. One hydrant is directly in front of the trailers (see drawing FR1.00).

The combined area of the trailers is approximately 1% of the area of the Pipe Forming Mill Building. They provide little danger to the existing noncombustible building. Trailers are also approximately 75'-0" from the property line to the south.

Appeal item 2

Code Section 507.5

Requires OSSC Section 507.5 allows for a reduction in the 60 foot yards of unlimited area buildings. This section applies to nonsprinklered, one story Group F-2 buildings among others.

Proposed Design EVRAZ intends to install two trailers on the south side and adjacent to the existing :Pipe Forming Mill Building. One trailer will be 9'-0" from the face of the Pipe Forming Mill Building and the other trailer will be 5'-0" from the face of the building. The trailer that is located 9'-0" from the Pipe Forming Mill Building is 480 square feet. The second trailer is 2,160 square feet. The buildings will provide support office and toilet room space for the adjacent Pipe Forming Mill Building and are Type VB construction and B occupancy. EVRAZ intends to install NFPA 13d sprinklers in these trailers.

The Pipe Forming Mill is approximately 232,000 square feet, single-story and Type IIB construction (nonsprinklered) and F-2 occupancy. It was permitted in 2005 as an unlimited area building. An appeal (#1858) was approved during the permitting of this building to allow an approximately 77'-7" length of wall section to be to have a reduced yard distance of 56'-5'.

Directly north of the existing Pipe Forming Mill Building is the Pipe Coating Mill Building. Approximately 95'-0" of this building is within approximately 20'-0" of the face of the Pipe Forming Mill Building. Approximately 180'-0" of this building is with 45'-0" of the face of the Pipe Forming Mill Building. The Coating Mill Building is 107,675 square feet, single-story. It was permitted in 2006 as Type IIB construction (sprinklered) and F-2 occupancy. Accessory occupancies in this building (H-3 and B) are approximately 8.1% of the overall area of the building.

A reconsideration is requested of the encroachment of the Coating Mill Building to the north into the 60 foot yard of the Pipe Forming Mill Building. It appears that this condition was not previously

addressed when it was permitted adjacent to the Pipe Forming Mill Building. It seems that these buildings should be considered as a single unlimited area building.

A reconsideration is also requested of Appeal #1858 which allowed no future expansion in the 60'-0" yard to the south of the Pipe Forming Mill Building. The trailers will be installed in this 60'-0" yard.

Reason for alternative The trailers are premanufactured units of VB construction and cannot be modified. They must be located adjacent to the existing Pipe Forming Mill Building to provide the required function.

The installation of the trailers creates a reduction in the 60 foot yards of the two existing buildings of 100 feet which is approximately the same amount of the previously approved Appeal #1858. Even with the reduced yards related to Appeal #1858 and the two trailers, the buildings maintain

60 foot yards around approximately 95% of their perimeter. It should also be noted that although the two trailers, which total 2,640 square feet, are within the 60 foot yard of the existing building, they provide a 75'-0" yard to the adjacent property line to the south.

The trailers will be equipped with NFPA 13d sprinklers. The south side of the Pipe Forming Mill Building as well as the trailers, are further protected by 4 fire hydrants along the roadway at the south of the Pipe Forming Mill Building. One hydrant is directly in front of the trailers (see attached Fire & Rescue Plan FR1.00).

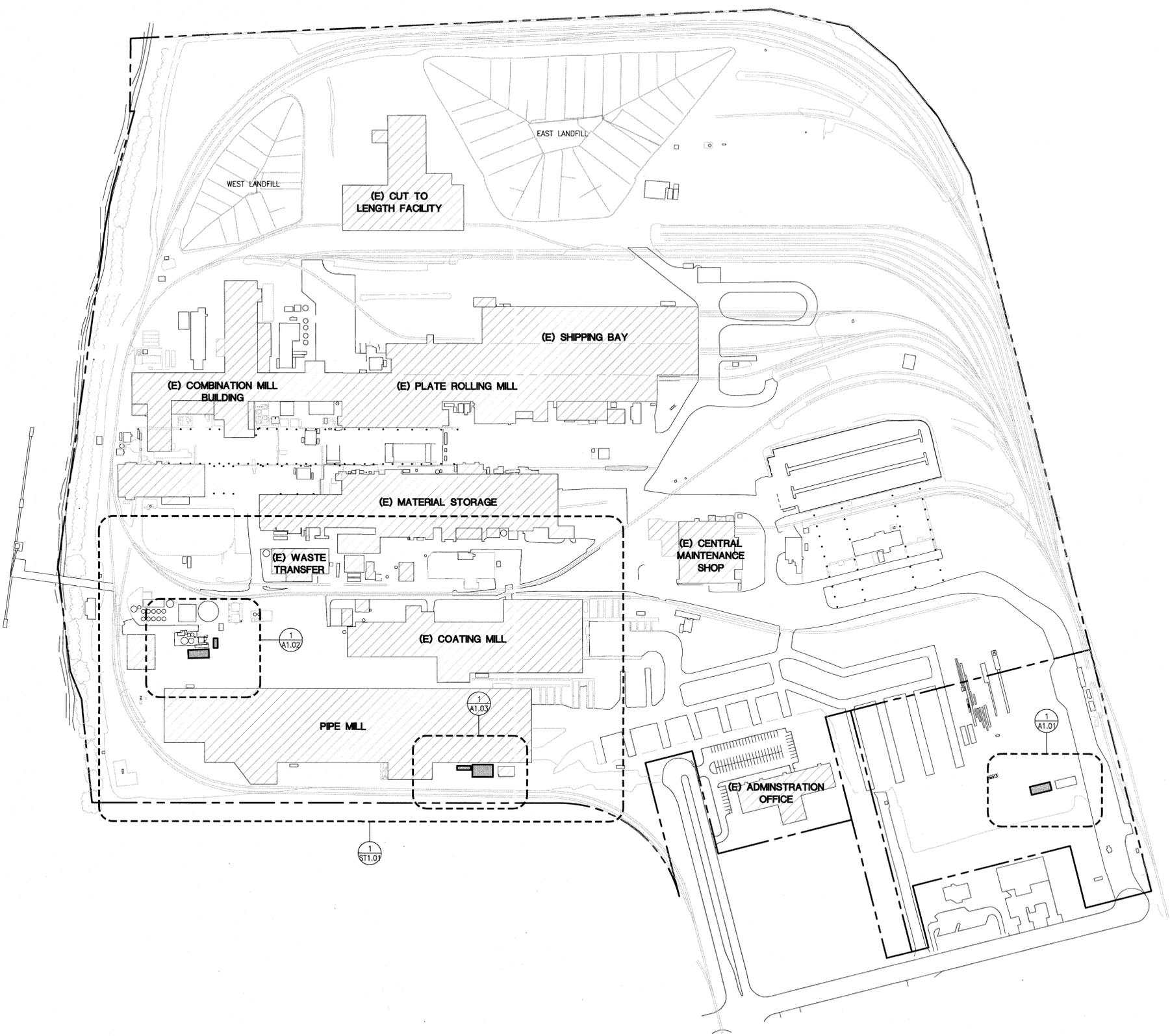
APPEAL DECISION

1. Separation between Type VB and Type IIB construction: Granted as proposed.

2. Encroachment into 60 foot yards for unlimited area building: Granted as proposed.

The Administrative Appeal Board finds that the information submitted by the appellant demonstrates that the approved modifications or alternate methods are consistent with the intent of the code; do not lessen health, safety, accessibility, life, fire safety or structural requirements; and that special conditions unique to this project make strict application of those code sections impractical.

Pursuant to City Code Chapter 24.10, you may appeal this decision to the Building Code Board of Appeal within 180 calendar days of the date this decision is published. For information on the appeals process and costs, including forms, appeal fee, payment methods and fee waivers, go to www.portlandoregon.gov/bds/appealsinfo, call (503) 823-7300 or come in to the Development Services Center.



GENERAL NOTES

- THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES
- THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY PROVIDERS REQUIRING NOTIFICATION OF INTENDED EXCAVATION.
- ALL WORK SHALL COMPLY WITH THE LOCAL JURISDICTION REQUIREMENTS AND THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN OR IMPLIED WHICH MAY AFFECT THE WORK PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
- EXISTING CONDITIONS BASED ON DRAWINGS BY EVRAZ DATED 07/26/2018

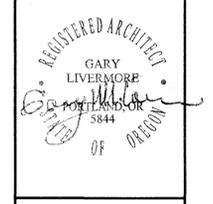
GENERAL SITE INFORMATION

LEGAL DESCRIPTION	TAX LOT-22, 25, 27, 71 - SECTION 26, T2N, R1W, WM
ZONING	
BASE	IH - HEAVY INDUSTRIAL
OVERLAY	P,I,K - AIRCRAFT LANDING, RIVER INDUSTRIAL, PRIME INDUSTRIAL
SITE AREA	145.82 ACRES

LEGEND

- (E) EXISTING
- EXISTING BUILDING
- TRAILER INSTALLATION

#	DATE	DESC.
1	10/25/18	ISSUED FOR PERMIT
2	11/15/18	REVISED FOR PERMIT
3	3/04/19	ISSUED FOR CITY COMMENTS
5	3/29/19	LNS APPEAL
6	4/15/19	ISSUED FOR CITY COMMENTS



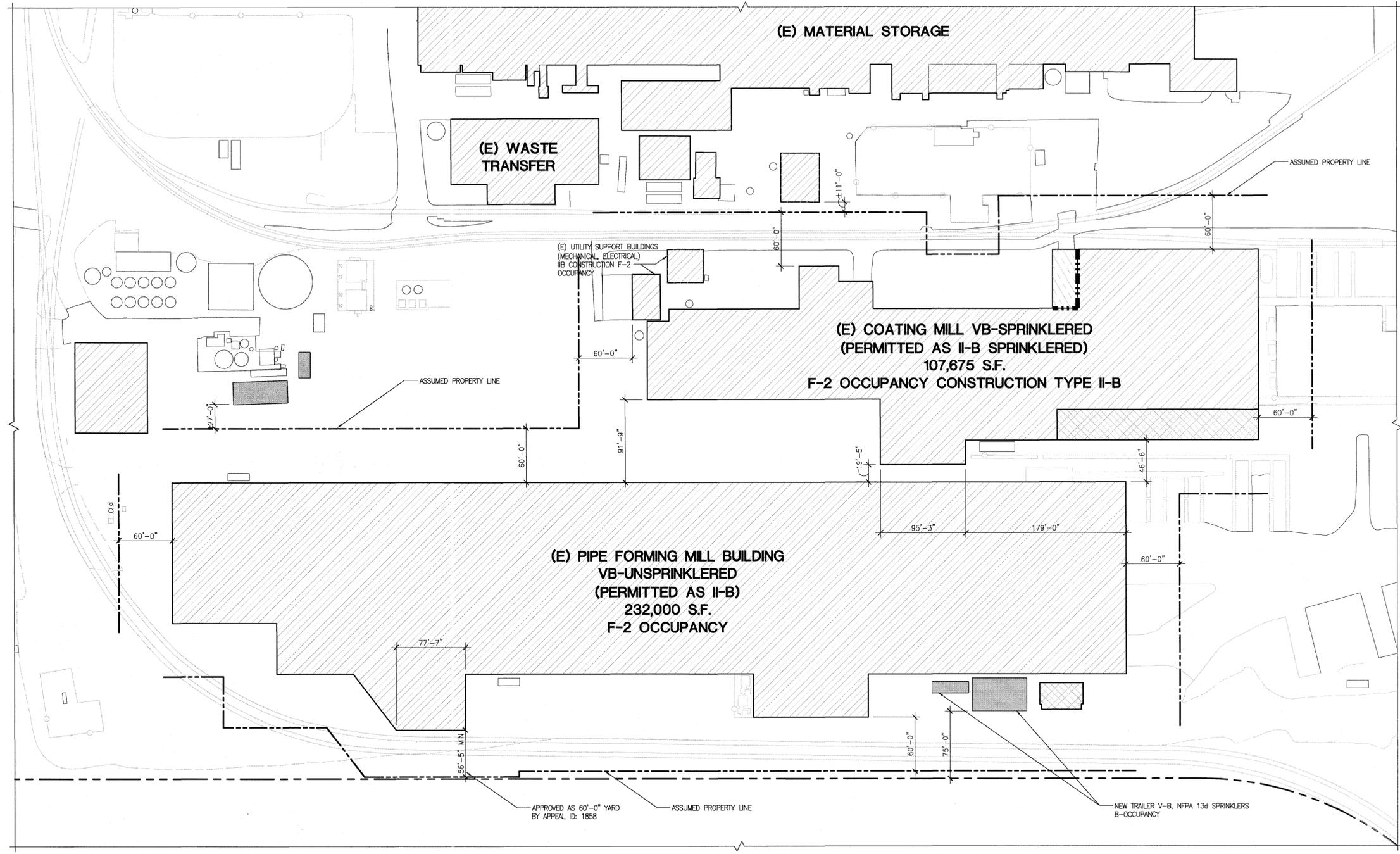
LIVERMORE ARCHITECTURE & ENGINEERING, INC.
 1500 SW First Ave, Suite 240
 Portland, Oregon 97201
 Phone: 503-892-3002
 www.livemore.com

Livermore A&E
 JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
 14400 N RIVERGATE BLVD.
 PORTLAND, OREGON 97203

DRAWING TITLE:
SITE PLAN
 DRAWN BY: TKP
 CHECKED BY: GML

ST1.00



ENLARGED SITE PLAN PIPE FORMING AREA/ COATING MILL CODE REVIEW
 1" = 60'-0"

(E) COATING MILL CODE REVIEW
 PERMIT No.: 06-130004-000-00-CO
 APPROVED OCCUPANCY: F2, H-3 PAINT STORAGE ROOM, II-B CONSTRUCTION, SPRINKLERED, ONE STORY.
 ACTUAL BUILDING AREA: 107,675 SF.
 H-3 OCCUPANCY AREA: 1,820 SF.
 B OCCUPANCY AREA: 6,915 SF.
 ACCESSORY TO F-2 OCCUPANCY AREA: 8,735 SF. (B OCCUPANCY)
 TOTAL ACCESSORY AREA/ ACTUAL BUILDING AREA: 8,735 SF./ 107,675 SF. = 8.11% < 10%

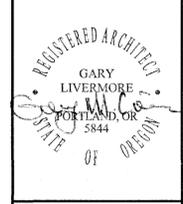
(E) PIPE FORMING MILL CODE REVIEW
 PERMIT No.: 05-117941-000-00-CO
 APPROVED OCCUPANCY: F2, II-B CONSTRUCTION, UNSPRINKLERED, ONE STORY.
 ACTUAL BUILDING AREA: 232,000 SF.
(N) TRAILERS
 OCCUPANCY: B, VB CONSTRUCTION, NFPA 13d SPRINKLERS.
 ACTUAL BUILDING AREA: 480 SF. + 2,160 SF. = 2,640 SF.

CODE PLAN LEGEND

(E) EXISTING	
OCCUPANCY GROUPS:	
B	F-2
S-1	H-3
TRAILER INSTALLATION	
(E) FIRE BARRIER - 2 HR FIRE RATING	

- GENERAL NOTES**
- THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES
 - THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY PROVIDERS REQUIRING NOTIFICATION OF INTENDED EXCAVATION.
 - ALL WORK SHALL COMPLY WITH THE LOCAL JURISDICTION REQUIREMENTS AND THE PROJECT SPECIFICATIONS.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN OR IMPLIED WHICH MAY AFFECT THE WORK PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
 - EXISTING CONDITIONS BASED ON DRAWINGS BY EVRAZ DATED 07/26/2018

#	DATE	DESC.
1	3/04/19	ISSUED FOR CITY COMMENTS
5	3/29/19	LNS APPEAL
6	4/15/19	ISSUED FOR CITY COMMENTS



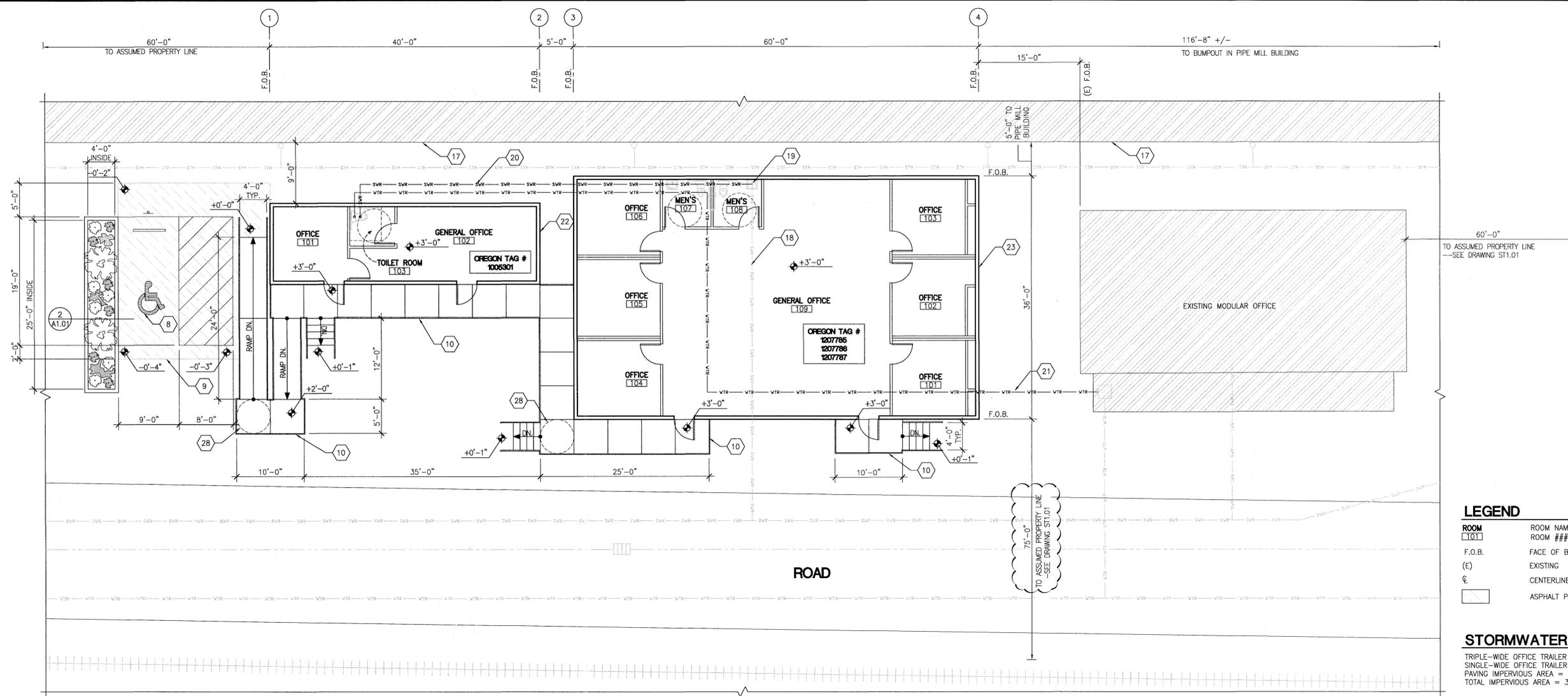
LIVERMORE ARCHITECTURE & ENGINEERING, INC.
 1500 SW First Ave Suite 240
 Portland, Oregon 97201
 Phone: 503-692-3002
 www.livermore.com

Livermore A&E
 JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
 14400 N RIVERGATE BLVD.
 PORTLAND, OREGON 97203

DRAWING TITLE:
ENLARGED SITE PLAN PIPE FORMING AREA
 DRAWN BY: MGV
 CHECKED BY: GML

ST1.01



LEGEND

ROOM [101]	ROOM NAME ROOM ###
F.O.B.	FACE OF BUILDING
(E)	EXISTING
℄	CENTERLINE
ASPHALT PAVING	ASPHALT PAVING

STORMWATER NOTES

TRIPLE-WIDE OFFICE TRAILER IMPERVIOUS AREA = 2,160 S.F.
 SINGLE-WIDE OFFICE TRAILER IMPERVIOUS AREA = 480 S.F.
 PAVING IMPERVIOUS AREA = 505 S.F.
 TOTAL IMPERVIOUS AREA = 3,145 S.F.

1 ENLARGED PIPE FORMING OFFICE TRAILER FLOOR PLAN
 1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

- APPLICABLE CODES: ALL WORK SHALL BE IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES. SPECIFICATIONS AND STANDARDS SHALL MEAN, AND ARE INTENDED TO BE, THE LATEST EDITION, AMENDMENT OR REVISION OF SUCH REFERENCE STANDARD, IN EFFECT AS OF THE DATE OF THE CONTRACT DOCUMENTS.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS AND DIMENSIONS SHOWN OR IMPLIED PRIOR TO START OF CONSTRUCTION AND NOTIFY A/E OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TESTING AND COORDINATE ALL REQUIRED INSPECTIONS.

STAIR/RAMP NOTES

- PROVIDE 48" WIDE COMMERCIAL PREFABRICATED ALUMINUM STAIRS & RAMP. SEE DRAWING A2.01
- MEET ALL OSSC ACCESSIBILITY REQUIREMENTS.
- RAMP: 1:12 SLOPE WITH GUARDRAILS/HANDRAILS EACH SIDE.
- PROVIDE HANDRAIL EXTENSIONS AT STAIRS & RAMP PER OSSC ACCESSIBILITY REQUIREMENTS.
- STAIRS & RAMP SHALL BE DESIGNED FOR 100 PSF LIVE LOAD AND HANDRAIL AND GUARDRAIL LOADS AS REQUIRED BY CODE.
- STAIRS & RAMP SHALL BE SUBMITTED BY THE SUPPLIER AS A DEFERRED SUBMITTAL.

UTILITY NOTES

- SANITARY**
- SANITARY: 4", MIN. 2% SLOPE.
 - CAST IRON PIPE: ASTM A74, HUBLESS, CAST IRON
 - SERVICE WEIGHT FITTING: CAST IRON
 - JOINTS: NEOPRENE GASKETS AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES. HUSKY SD4000 OR APPROVED SUBSTITUTE.
 - CLEANOUT: J.R. SMITH, ZURN, WADE, OR EQUAL
- WATER**
- WATER PIPING, ABOVE GRADE
 - COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN
 - FITTING: ANSI/ASTM 16.22 SOLDER, GRADE 95TA
 - INSULATION: 1/2" INCH
 - DISINFECT, CLEAN, AND TEST: PER CODE
- WATER PIPING, BELOW GRADE AS APPROVED BY CITY OF PORTLAND**

FLOOR PLAN KEYNOTES

- EXISTING MANHOLE, GRINDER PUMP.
- EXISTING 1" UNDERGROUND WATER LINE.
- EXISTING 4" UNDERGROUND SANITARY SEWER LINE --2% SLOPE.
- 24'-0" WIDE x 60'-0" LONG DOUBLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO EXISTING UTILITY STUB-OUT UNDER TRAILER.
- EXISTING ELECTRICAL SERVICE.
- SAWCUT AND REMOVE EXISTING CONCRETE SLAB UNDER TRAILER FOOTPRINT.
- EXISTING CONCRETE SLAB ON GRADE.
- VAN ACCESSIBLE PARKING STRIPING AND SIGNAGE --SEE 1/A2.01.
- 3" ASPHALT PAVING OVER 6" CRUSHED ROCK BASE --SLOPE 2% MAX.
- ACCESSIBLE PRE-FABRICATED STAIRS/RAMP SYSTEM BY OTHERS. PROVIDE GUARDRAIL & HANDRAIL EACH SIDE. SEE NOTES THIS SHEET AND DRAWING A2.01
- EXISTING CONCRETE PAD.
- EXISTING CONCRETE BASE AT EXISTING COOLING TOWER.
- EXISTING STEEL STORAGE UNIT.
- LANDSCAPING PLANTER --SEE DETAIL 2/A1.01.
- 12'-0" WIDE x 28'-0" LONG SINGLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO UTILITY LINE EXTENSIONS.
- 24'-0" WIDE x 60'-0" LONG DOUBLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO UTILITY LINE EXTENSIONS.
- FACE OF EXISTING BUILDING.
- EXISTING UNDERGROUND SANITARY SEWER LINE --VERIFY SIZE AND DEPTH (4" LINE, 2% SLOPE).
- EXISTING SANITARY SEWER LINE STUB-UP --VERIFY SIZE AND DEPTH. EXTEND LINE TO THE WEST IF POSSIBLE.

- UNDERGROUND SANITARY SEWER LINE EXTENSION --4" LINE, 2% SLOPE. VERIFY DEPTH OF LINE AT CONNECTION TO EXISTING LINE.
- EXTEND EXISTING 1" UNDERGROUND WATER LINE FROM EXISTING TRAILER. VERIFY SIZE OF EXISTING LINE.
- 12'-0" WIDE x 40'-0" LONG SINGLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO UTILITY LINE EXTENSIONS.
- 36'-0" WIDE x 60'-0" LONG TRIPLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT SEWER TO EXISTING STUB-UP. CONNECT WATER TO UTILITY EXTENSION.
- EXISTING WATER STUB --1" LINE (FIELD VERIFY).
- MANHOLE FOR LIFT STATION AND GRINDER PUMP.
- SANITARY SEWER PRESSURE LINE.
- EXISTING POWER LINE.
- 5'-0" MINIMUM TURNING RADIUS AT ALL STAIR AND RAMP LANDINGS --TYP.

PLANT LEGEND

- (2) TREE - VINE MAPLE (ACER CIRCINATUM) MIN. OF 5 FOOT TALL, 2 INCH CALIPER FULLY BRANCHED
- (10) SHRUBS - SHINY LEAF SPIREA (SPIRAEA BETULIFOLIA VAR. LUCIOA)
- (6) SHRUBS - SNOW BERRY (SYMPHORICARPOS ALBUS)
- GROUND COVER**
- 12" ON CENTER, TRIANGULAR SPACING
- MIN 4" CONTAINER SIZE TO COVER 50% OF VEGETATED MOUND
- 50% COLUMBIA SEDGE (CAREX APERTA)
- 50% MANNA GRASS (GLYCERIA OCCIDENTALIS)
- IRRIGATION: OPTION 2 WITH CONTROLLER

CODE REVIEW

OCCUPANCY: B OFFICE, VB CONSTRUCTION, NFPA 13d SPRINKLERS.

ACTUAL BUILDING AREA:
 TRIPLE-WIDE TRAILER: 36'-0" x 60'-0" = 2,160 SF.
 SINGLE-WIDE TRAILER: 12'-0" x 40'-0" = 480 SF

OCCUPANCY LOAD (TRIPLE-WIDE): (2,160 SF / 100) = 21.6 OCCUPANTS TABLE 1004.1.1

MINIMUM EGRESS WIDTH = 0.3 INCHES x 21.6 OCCUPANTS = 6.48 INCHES

MINIMUM EGRESS WIDTH PROVIDED 2-36" DOORS = 72 INCHES

EXIT ACCESS TRAVEL DISTANCE = 200 FEET

EGRESS ILLUMINATION
 EXIT DISCHARGE ILLUMINATION SHALL BE NOT LESS THAN 1fc AT THE WALKING SURFACE.
 EXIT PATH SHALL BE ILLUMINATED BY EMERGENCY LIGHTS FOR A DURATION OF NOT LESS THAN 90 MINUTES.

FIRE RESISTIVE REQUIREMENTS

STRUCTURAL FRAME	0 HR			
EXTERIOR BEARING WALLS	0 HR			
INTERIOR BEARING WALLS	0 HR			
EXTERIOR NON-BEARING WALLS				
WALLS	DIST. TO PROPERTY LINE	FIRE RATING	PROTECTED OPENINGS REQ'D	FIRE RATING REQ'D (OPENINGS)
NORTH	---	0 HR	NA	NA
SOUTH	>60'	0 HR	NA	NA
EAST	>60'	0 HR	NA	NA
WEST	>60'	0 HR	NA	NA
INTERIOR NON-BEARING WALLS & PARTITIONS	0 HR	NA	NA	NA
FLOORS	0 HR	NA	NA	NA
ROOFS	0 HR	NA	NA	NA
CORRIDORS	0 HR	NA	NA	NA

DATE DESC.

1	10/25/18	ISSUED FOR PERMIT
2	11/15/18	REVISED FOR PERMIT
3	2/7/19	ISSUED FOR CITY COMMENTS
4	3/24/19	ISSUED FOR CITY COMMENTS
5	3/29/19	UNL. APPEAL
6	4/15/19	ISSUED FOR CITY COMMENTS

REGISTERED ARCHITECT
 GARY LIVERMORE
 ARCHITECTURE & ENGINEERING, INC.
 PORTLAND, OREGON 97201
 Phone: 503-892-3002
 www.livermore.com

1500 SW First Ave., Suite 240
 Portland, Oregon 97201

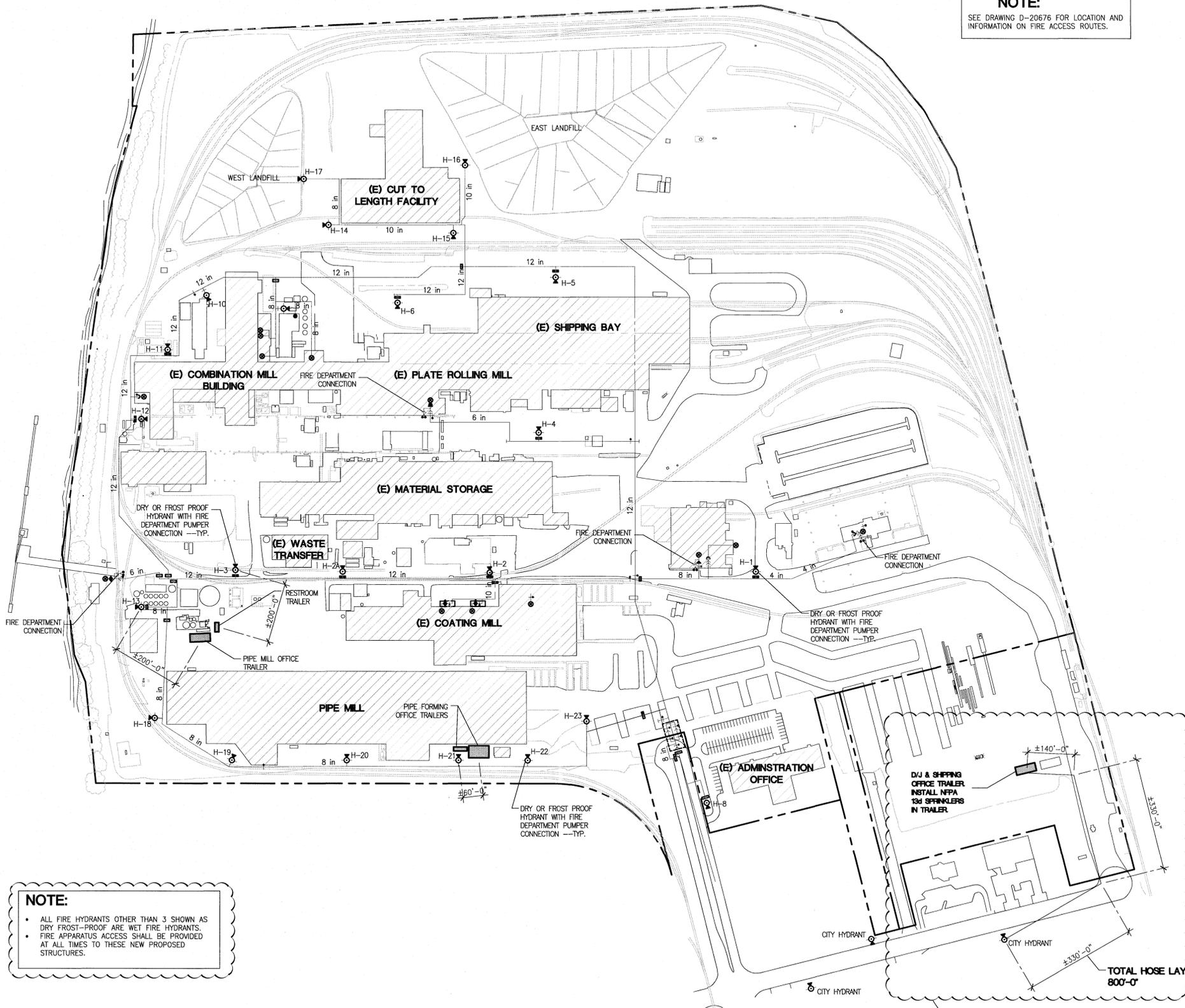
Livermore A&E
 JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
 14400 N RIVERGATE BLVD.
 PORTLAND, OREGON 97203

DRAWING TITLE:
ENLARGED TRAILER FLOOR PLANS
 DRAWN BY: TGP
 CHECKED BY: GML

A1.03

NOTE:
SEE DRAWING D-20676 FOR LOCATION AND INFORMATION ON FIRE ACCESS ROUTES.



NOTE:

- ALL FIRE HYDRANTS OTHER THAN 3 SHOWN AS DRY FROST-PROOF ARE WET FIRE HYDRANTS.
- FIRE APPARATUS ACCESS SHALL BE PROVIDED AT ALL TIMES TO THESE NEW PROPOSED STRUCTURES.

AREA OF APPEAL
—APPEAL ID #19026
CASE #19-16-RECONSIDERATION

FIRE CODE APPEAL FORM

Portland Fire & Rescue, Fire Prevention Division
55 SW Ash St. Portland OR 97204
Appeals Phone: (503) 823-3708 Fax: (503) 823-3710



Please only use this form if online submission is not an option. Appeal applications may be submitted and paid for online by accessing <https://www.portlandoregon.gov/bds/appeals> and choosing *New Appeal*.

- If hand delivering, mailing or emailing the appeal, submit a complete packet with the \$200 fee. Packet must include:
- This completed form. For assistance, consult the PF&R member requiring the corrections.
 - One set of plans, clearly identifying the areas being appealed and the conditions affecting the item(s) being appealed.
 - Plans should not be larger than 11" x 17".
 - Photos, illustrations and other information that may provide further clarification for the appeal.
 - Details of the appeal described on the attached *Fire Code Appeal Information Sheet(s)*.
 - Each appeal issue requires a separate appeal information sheet.
 - Multiple issues may be submitted in one appeal packet.
 - Make checks payable in the amount of \$200 to "City Treasurer". Credit card payments cannot be taken over the phone or in the office. To pay by credit card, submit the appeal online.

Mail or Deliver to: Portland Fire & Rescue, Attn: Lisa Lillard
55 SW Ash Street
Portland, OR 97204

NOTE: Packets may be emailed to fireappeals@portlandoregon.gov. However, payment MUST be received before the appeal process will begin.

Appeals are reviewed every other Thursday and must be filed by 5:00 PM on the Monday of the appeal review week to be heard that week. If filed after 5:00 PM on Monday of the appeal review week, the review will be scheduled for the next session, two weeks later.

PROJECT INFORMATION: This appeal involves (Check One):

Erection of a new structure Building Permit #: 18-269100-CO
 Alteration of addition to an existing structure Plans Examiner Name: Joe Thornton
 Correction of a violation Fire Inspector Name: _____
 Other, please specify: _____

Business Name (if applicable): EVRAZ Oregon Steel
 Project Address: 14400 N Rivergate Blvd. Cross Streets: N Ramsey and N Rivergate
 Owner's Name: EVRAZ Owner's Address: 14400 N Rivergate Blvd, Pld.

In accordance with City Ordinance, I hereby make application to appeal the requirements of the Fire Code and or Policies of the City of Portland as outlined in the attached information.

Appellant Name: Gary M. Livermore Phone Number: _____
 Firm Name: Livermore Architecture & Eng Email: garyl@livermoreae.com
 Applicant Address: 1500 SW 1st Ave. Ste 240, Pld
 Applicant Signature: *Gary M. Livermore* Date: 2/26/19

FOR OFFICE USE ONLY

Received By: _____ Appeal Date: _____
 Date Received: _____ Appeal Number: _____
 Receipt Number: _____ Previous Appeals: _____
 Copy To: Nate Takara

FIRE CODE APPEAL INFORMATION SHEET

Portland Fire & Rescue, Fire Prevention Division
55 SW Ash St. Portland OR 97204
Appeals Phone: (503) 823-3708 Fax: (503) 823-3710



An appeal information sheet must be completed for each item being appealed. All sections must be addressed. Please provide as much detail as possible. Failure to do so may cause the appeal to be held over until adequate information is received. If you need help filling out the form, consult with the Fire Bureau member requiring the corrections or call (503) 823-3770.

Any modification of the Fire Code and/or Policies requires an appeal. A reasonable degree of **Equivalent Life Safety and Fire Protection** must be demonstrated before any appeal may be considered.

- FIRE CODE SECTION AND/OR POLICY:**
PF & R Access & Water Supply Guide
- CODE/POLICY REQUIREMENTS:**
Hose lay distance from the nearest fire hydrant to the most remote portion of the exterior of the building shall be less than 400 feet.
- PROPOSED DESIGN:** Describe the alternate methods and/or materials of construction to be used or that exist. Be as specific and detailed as possible.

The hose lay from the closest fire hydrant is approximately 800 feet. This is a public hydrant located to the west of the site entrance off N Ramsey. Since the allowable hose lay distance is exceeded, we propose to install NFPA 13d sprinklers in the new trailer. The trailer is served by a 1" water line so the capacity is available for these sprinklers.
- REASON FOR ALTERNATE:** Describe the details of the alternate design and how it will provide equivalent life safety and/or fire protection.

The proposed structure is a double-wide trailer that will be located in the same area as an existing trailer. Total area of the two trailers is 2,880 square feet. The trailers will be used for general office functions so occupant load will be limited. Both trailers, although very small, will have two means of egress. There are no other structures within 150 feet in any direction to these trailers. The fire hydrant that will serve this trailer is located at the main entry to the site so there will be good fire truck access to the area. The fire flow at the hydrant has been confirmed to exceed 2,500 gpm at 20 psi residual pressure. The addition of the NFPA 13d sprinklers, in addition to the items listed above, will provide equivalent life safety and fire protection.

#	DATE	DESC.
1	1/23/19	ISSUED FOR PERMIT
2	2/13/19	REVISED PER CITY COMMENTS
3	3/04/19	REVISED PER CITY COMMENTS



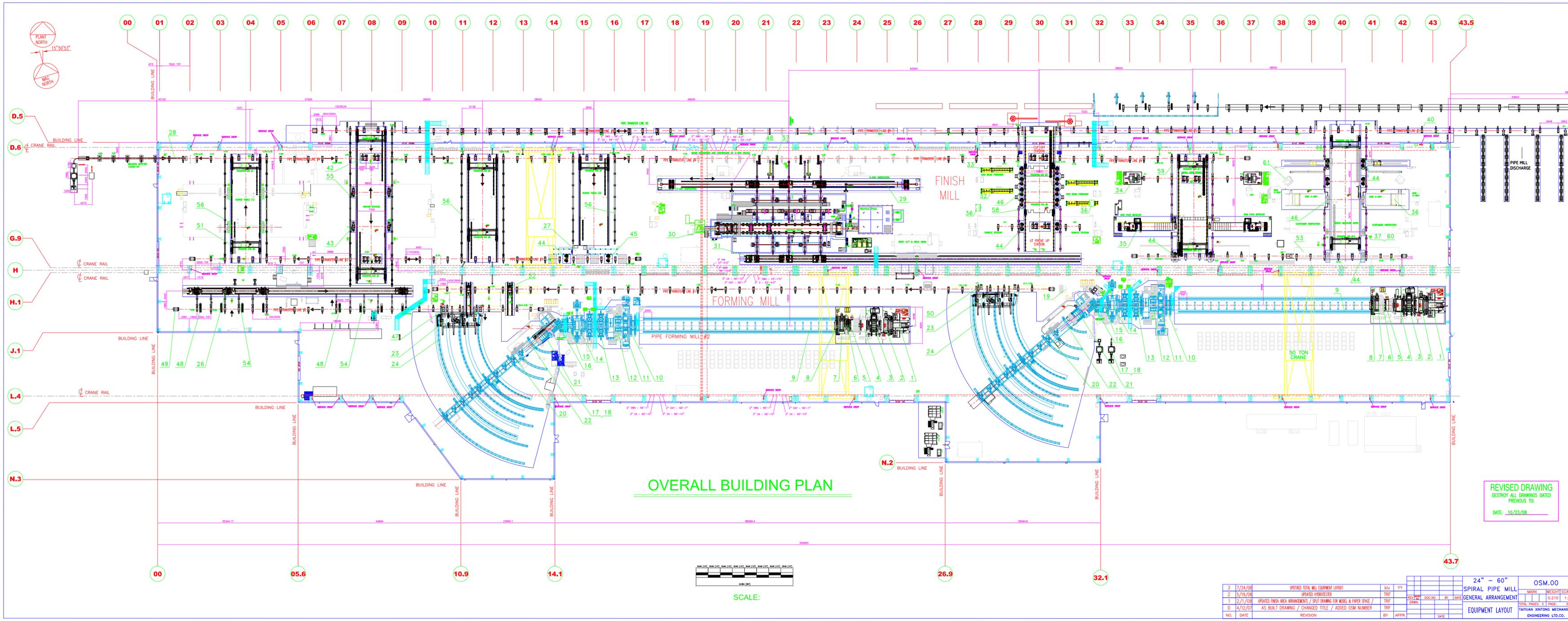
LIVERMORE ARCHITECTURE & ENGINEERING, INC.
1500 SW First Ave. Suite 240
Portland, Oregon 97201
Phone: 503-892-3002
www.livermoreae.com

Livermore A&E
JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
14400 N RIVERGATE BLVD.
PORTLAND, OREGON 97203

DRAWING TITLE:
FIRE & RESCUE PLAN
DRAWN BY: MGV
CHECKED BY: GML

FR1.00



ITEM NO.	CODE	NAME	QTY	MATERIAL	WEIGHT	REMARKS
1	10018.01.00	UNROLLER	2	ASSEMBLY	2841 5800	
2	10018.02.00	UNPEELER	2	ASSEMBLY	3845 7600	
3	10018.03.00	FEEDING LEVELLER	2	ASSEMBLY	4196 12380	
4	10018.04.00	SHOULDER END SHEAR	2	ASSEMBLY	4070 4070	
5	10018.05.00	ROOF MILLER	2	ASSEMBLY	846 1960	
6	10018.06.00	CENTERING LINE #1	2	ASSEMBLY	380 4550	
7	10018.07.00	PINCH ROLLER	2	ASSEMBLY	3865 4738	
8	10018.08.00	FLYING SHELF WELDING CAR	2	ASSEMBLY	5500 5500	
9	10018.09.00	WELDING CAR TRACK	2	ASSEMBLY	2874 5180	

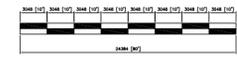
10	10018.10.00	CENTERING LINE #2	2	ASSEMBLY	588 8808	
11	10018.11.00	ROOF END SHEAR	2	ASSEMBLY	4020 15300	
12	10018.12.00	SCRAP COLLECTOR UNIT	2	ASSEMBLY	3310 4620	
13	10018.13.00	EDGE MILLING MACHINE	4	ASSEMBLY	2300 4760	
14	10018.14.00	FEEDER	2	ASSEMBLY	7807 7870	
15	10018.15.00	PREHEAT GUIDE	2	ASSEMBLY	3357 7462	
16	10018.16.00	FORMER	2	ASSEMBLY	4836 16780	
17	10018.17.00	INSIDE AND OUTSIDE WELDING MACHINE	2	ASSEMBLY	701 1442	
18	10018.18.00	FLUX SUPPLY AND COLLECTION UNIT	2	ASSEMBLY	701 1442	
19	10018.19.00	FLUX DRIVER BOX	2	ASSEMBLY	701 1442	
20	10018.20.00	REAR BRIDGE UNIT	2	ASSEMBLY	3347 4274	
21	10018.21.00	PIPE SUPPORTER	2	ASSEMBLY	834 1424	
22	10018.22.00	PIPE CUTTING CART	2	ASSEMBLY	447 1204	
23	10018.23.00	PIPE HANDLING CART	2	ASSEMBLY	3867 7334	
24	10018.24.00	EMBED PARTS	2	ASSEMBLY	701 1442	
25	10018.25.00	FORMING MILL HYDRAULIC SYSTEMS	2	ASSEMBLY	1507 1507	
26	10019.01.00	CONTROL LIFT CARTS & RAIL SYSTEM	1	ASSEMBLY	342 342	
27	10019.02.00	CROSS SEAM WELDER	1	ASSEMBLY	343 343	
28	10019.03.00	INSIDE PIPE CLEAN-OUT & COLLECTOR	1	ASSEMBLY	1365 1365	
29	10019.04.00	TYLON X-RAY INSPECTION UNIT	1	ASSEMBLY	1365 1365	
30	10019.05.00	X-RAY HYDROSTATIC TESTER	1	ASSEMBLY	1365 1365	
31	10019.06.00	MILL LIFT INSP. CARTS & RAIL SYSTEM	1	ASSEMBLY	1199 1199	
32	10019.07.01.00	END SEAM FINISHING (SOUTH)	2	ASSEMBLY	286 286	
33	10019.07.02.00	END SEAM FINISHING (NORTH)	2	ASSEMBLY	303 303	
34	10019.08.00	END SOING	2	ASSEMBLY	5500 5500	
35	10019.09.00	END FACE BEVELLER	1	ASSEMBLY	807 8274	
36	10019.10.00	PIPE END X-RAY INSPECTION	1	ASSEMBLY	447 824	
37	10019.11.00	WELDING & MEASURING UNIT	2	ASSEMBLY	347 1343	
38	10019.12.00	HYDRAULIC SYSTEMS	1	ASSEMBLY	153 274	
39	10019.13.00	ELECTRICAL SYSTEMS	1	ASSEMBLY	214 264	
40	10019.14.01.00	CONVEYOR ROLLERS (DRIVEN)	307	ASSEMBLY	231 443	
41	10019.14.02.00	CONVEYOR ROLLERS (NON-DRIVEN)	116	ASSEMBLY	147 1684	
42	10019.14.03.00	CONVEYOR ROLLERS (JACKING)	5	ASSEMBLY	128 418	
43	10019.15.01.00	PIPE ROTATORS (SIDE BENDING)	6	ASSEMBLY	139 1348	
44	10019.15.02.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, DRIVEN)	11	ASSEMBLY	400 2120	
45	10019.15.03.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, INDR)	3	ASSEMBLY	400 108	
46	10019.15.04.00	PIPE ROTATORS (IN/OUT ADJUST.)	12	ASSEMBLY	487 3911	
47	10019.15.05.00	PIPE JACK	2	ASSEMBLY	308 438	
48	10019.16.00	PIPE KICKERS	12	ASSEMBLY	85 85	
49	10019.17.01.00	PIPE STOPPER (END STOP)	12	ASSEMBLY	288 534	
50	10019.17.02.00A	PIPE STOPPER (END STOP)	2	ASSEMBLY	NEW	
51	10019.18.01.00	PIPE TRANSFER CAR (CHARGE TABLE)	1	ASSEMBLY	1822	
52	10019.18.02.00	PIPE TRANSFER CAR	2	ASSEMBLY	1140	
53	10019.19.00	SAMPLE STATION	1	ASSEMBLY	428	
54	10019.20.00	MILL CONTROL (LT) PIPE RAILS	2	ASSEMBLY	485	
55	10019.21.00	SCRAM TABLE PIPE RAILS	1	ASSEMBLY	546	
56	10019.22.00	SURGE TABLES 1 TO 3 PIPE RAILS	1	ASSEMBLY	1002	
57	10019.23.00	HYDROTESTER TABLE PIPE RAILS	1	ASSEMBLY	1002	
58	10019.24.00	END SEAM FINISHING PIPE RAILS	1	ASSEMBLY	1	
59	10019.25.00	END SOING & BEVELLER PIPE RAILS	1	ASSEMBLY	1	
60	10019.26.00	WELD MEASURE (END X-RAY MARK) PIPE RAILS	1	ASSEMBLY	1	
61	10019.27.00	MARKING STATION	1	ASSEMBLY	1	
62	10019.29.00	EMBED PARTS	1	ASSEMBLY	1	
63	10019.29.00	PIPE DRIVER	2	ASSEMBLY	1	
64	040160	SPM INTERNAL PIPING	2	ASSEMBLY	1	

ITEM NO.	CODE	NAME	QTY	MATERIAL	WEIGHT	REMARKS
10	10018.10.00	CENTERING LINE #2	2	ASSEMBLY	588 8808	
11	10018.11.00	ROOF END SHEAR	2	ASSEMBLY	4020 15300	
12	10018.12.00	SCRAP COLLECTOR UNIT	2	ASSEMBLY	3310 4620	
13	10018.13.00	EDGE MILLING MACHINE	4	ASSEMBLY	2300 4760	
14	10018.14.00	FEEDER	2	ASSEMBLY	7807 7870	
15	10018.15.00	PREHEAT GUIDE	2	ASSEMBLY	3357 7462	
16	10018.16.00	FORMER	2	ASSEMBLY	4836 16780	
17	10018.17.00	INSIDE AND OUTSIDE WELDING MACHINE	2	ASSEMBLY	701 1442	
18	10018.18.00	FLUX SUPPLY AND COLLECTION UNIT	2	ASSEMBLY	701 1442	
19	10018.19.00	FLUX DRIVER BOX	2	ASSEMBLY	701 1442	
20	10018.20.00	REAR BRIDGE UNIT	2	ASSEMBLY	3347 4274	
21	10018.21.00	PIPE SUPPORTER	2	ASSEMBLY	834 1424	
22	10018.22.00	PIPE CUTTING CART	2	ASSEMBLY	447 1204	
23	10018.23.00	PIPE HANDLING CART	2	ASSEMBLY	3867 7334	
24	10018.24.00	EMBED PARTS	2	ASSEMBLY	701 1442	
25	10018.25.00	FORMING MILL HYDRAULIC SYSTEMS	2	ASSEMBLY	1507 1507	
26	10019.01.00	CONTROL LIFT CARTS & RAIL SYSTEM	1	ASSEMBLY	342 342	
27	10019.02.00	CROSS SEAM WELDER	1	ASSEMBLY	343 343	
28	10019.03.00	INSIDE PIPE CLEAN-OUT & COLLECTOR	1	ASSEMBLY	1365 1365	
29	10019.04.00	TYLON X-RAY INSPECTION UNIT	1	ASSEMBLY	1365 1365	
30	10019.05.00	X-RAY HYDROSTATIC TESTER	1	ASSEMBLY	1365 1365	
31	10019.06.00	MILL LIFT INSP. CARTS & RAIL SYSTEM	1	ASSEMBLY	1199 1199	
32	10019.07.01.00	END SEAM FINISHING (SOUTH)	2	ASSEMBLY	286 286	
33	10019.07.02.00	END SEAM FINISHING (NORTH)	2	ASSEMBLY	303 303	
34	10019.08.00	END SOING	2	ASSEMBLY	5500 5500	
35	10019.09.00	END FACE BEVELLER	1	ASSEMBLY	807 8274	
36	10019.10.00	PIPE END X-RAY INSPECTION	1	ASSEMBLY	447 824	
37	10019.11.00	WELDING & MEASURING UNIT	2	ASSEMBLY	347 1343	
38	10019.12.00	HYDRAULIC SYSTEMS	1	ASSEMBLY	153 274	
39	10019.13.00	ELECTRICAL SYSTEMS	1	ASSEMBLY	214 264	
40	10019.14.01.00	CONVEYOR ROLLERS (DRIVEN)	307	ASSEMBLY	231 443	
41	10019.14.02.00	CONVEYOR ROLLERS (NON-DRIVEN)	116	ASSEMBLY	147 1684	
42	10019.14.03.00	CONVEYOR ROLLERS (JACKING)	5	ASSEMBLY	128 418	
43	10019.15.01.00	PIPE ROTATORS (SIDE BENDING)	6	ASSEMBLY	139 1348	
44	10019.15.02.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, DRIVEN)	11	ASSEMBLY	400 2120	
45	10019.15.03.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, INDR)	3	ASSEMBLY	400 108	
46	10019.15.04.00	PIPE ROTATORS (IN/OUT ADJUST.)	12	ASSEMBLY	487 3911	
47	10019.15.05.00	PIPE JACK	2	ASSEMBLY	308 438	
48	10019.16.00	PIPE KICKERS	12	ASSEMBLY	85 85	
49	10019.17.01.00	PIPE STOPPER (END STOP)	12	ASSEMBLY	288 534	
50	10019.17.02.00A	PIPE STOPPER (END STOP)	2	ASSEMBLY	NEW	
51	10019.18.01.00	PIPE TRANSFER CAR (CHARGE TABLE)	1	ASSEMBLY	1822	
52	10019.18.02.00	PIPE TRANSFER CAR	2	ASSEMBLY	1140	
53	10019.19.00	SAMPLE STATION	1	ASSEMBLY	428	
54	10019.20.00	MILL CONTROL (LT) PIPE RAILS	2	ASSEMBLY	485	
55	10019.21.00	SCRAM TABLE PIPE RAILS	1	ASSEMBLY	546	
56	10019.22.00	SURGE TABLES 1 TO 3 PIPE RAILS	1	ASSEMBLY	1002	
57	10019.23.00	HYDROTESTER TABLE PIPE RAILS	1	ASSEMBLY	1002	
58	10019.24.00	END SEAM FINISHING PIPE RAILS	1	ASSEMBLY	1	
59	10019.25.00	END SOING & BEVELLER PIPE RAILS	1	ASSEMBLY	1	
60	10019.26.00	WELD MEASURE (END X-RAY MARK) PIPE RAILS	1	ASSEMBLY	1	
61	10019.27.00	MARKING STATION	1	ASSEMBLY	1	
62	10019.29.00	EMBED PARTS	1	ASSEMBLY	1	
63	10019.29.00	PIPE DRIVER	2	ASSEMBLY	1	
64	040160	SPM INTERNAL PIPING	2	ASSEMBLY	1	

REVISED DRAWING
DESTROY ALL DRAWINGS DATED
PREVIOUS TO:
DATE: 10/23/08

ITEM NUMBERS 24,25,38,39,61 & 64 ARE NOT SHOWN

OVERALL BUILDING PLAN



SCALE:

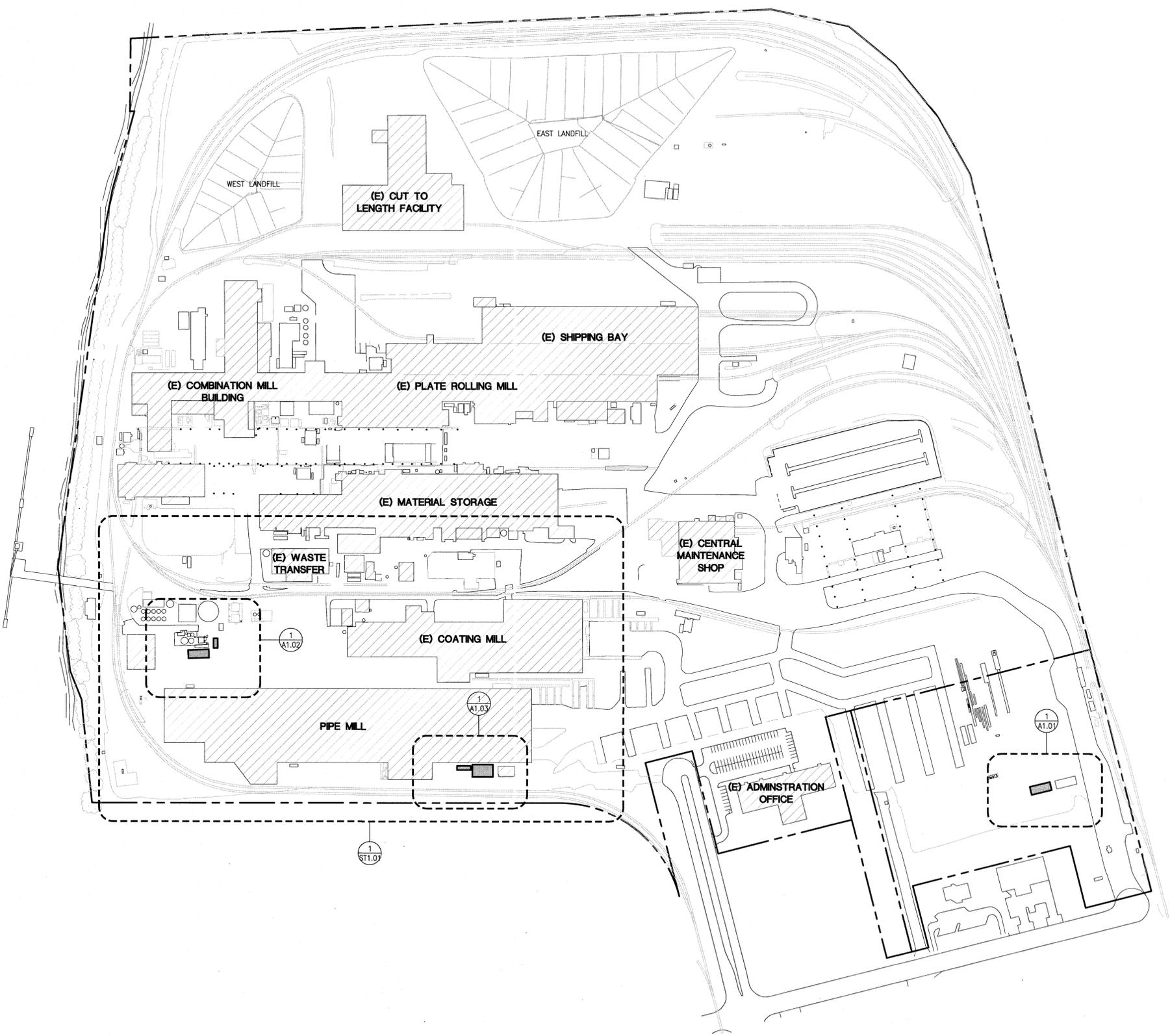
NO.	DATE	REVISION	BY	APPR.
3	7/24/08	UPDATED TOTAL MILL EQUIPMENT LAYOUT	Hlv	YY
2	5/19/08	UPDATED HYDROTESTER	TRF	
1	2/1/08	UPDATED FINISH AREA ARRANGEMENTS / SPLIT DRAWING FOR MODEL & PAPER SPACE /	TRF	
0	4/12/07	AS BUILT DRAWING / CHANGED TITLE / ADDED OSM NUMBER	TRF	

24" - 60"	OSM.00
SPIRAL PIPE MILL	MARK
GENERAL ARRANGEMENT	WEIGHT SCALE
EQUIPMENT LAYOUT	0.2/1.0 1:1
TOTAL PAGES: 3	PAGE 3
DATE: 10/23/08	SCALE: 1:200
DATE: 10/23/08	SCALE: 1:200

EVRAZ EVRAZ INC. N.A.
EVRAZ OREGON STEEL
 PORTLAND STEEL
 EVRAZ OREGON STEEL
 14400 N.E. INVESTMENT BLVD.
 PORTLAND, OREGON 97230
 PH: (503) 240-5000

SPIRAL PIPE MILL
 GENERAL ARRANGEMENT
 & EQUIPMENT LAYOUT
 PLAN VIEW

DATE: 10/23/08
 SCALE: 1:200
 DRAWN: XXXX
 CHECKED: XXXX
 OSM NO.: 1000-000
 PLAN NO.: D-50000
 BOX: 3



GENERAL NOTES

- THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES
- THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY PROVIDERS REQUIRING NOTIFICATION OF INTENDED EXCAVATION.
- ALL WORK SHALL COMPLY WITH THE LOCAL JURISDICTION REQUIREMENTS AND THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN OR IMPLIED WHICH MAY AFFECT THE WORK PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
- EXISTING CONDITIONS BASED ON DRAWINGS BY EVRAZ DATED 07/26/2018

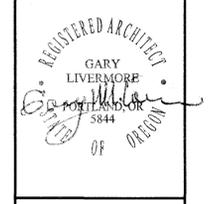
GENERAL SITE INFORMATION

LEGAL DESCRIPTION	TAX LOT-22, 25, 27, 71 - SECTION 26, T2N, R1W, WM
ZONING	
BASE	IH - HEAVY INDUSTRIAL
OVERLAY	P,I,K - AIRCRAFT LANDING, RIVER INDUSTRIAL, PRIME INDUSTRIAL
SITE AREA	145.82 ACRES

LEGEND

- (E) EXISTING
- EXISTING BUILDING
- TRAILER INSTALLATION

#	DATE	DESC.
1	10/25/18	ISSUED FOR PERMIT
2	11/15/18	REVISED FOR PERMIT
3	3/04/19	ISSUED FOR CITY COMMENTS
5	3/29/19	LNS APPEAL
6	4/15/19	ISSUED FOR CITY COMMENTS



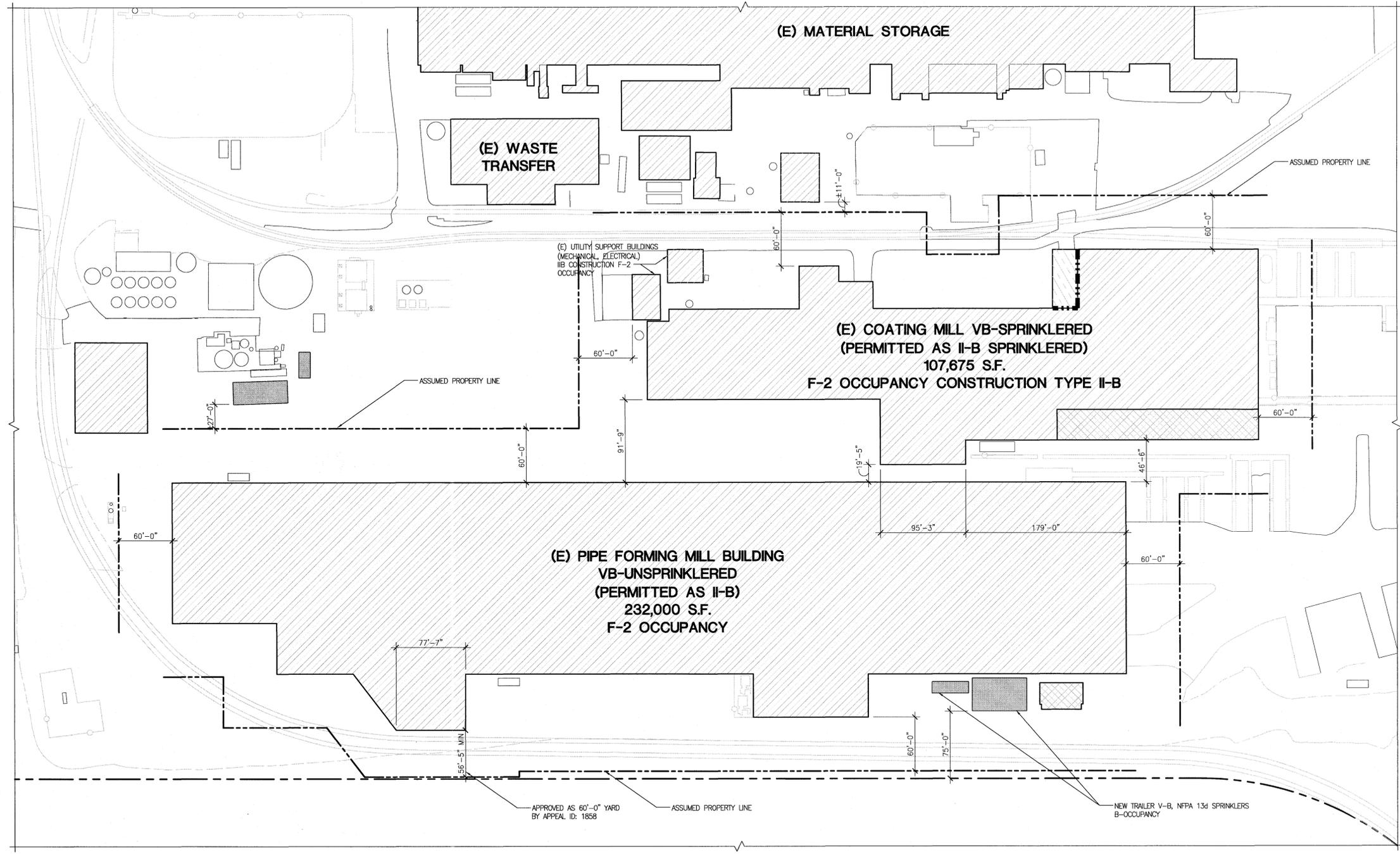
LIVERMORE ARCHITECTURE & ENGINEERING, INC.
 1500 SW First Ave, Suite 240
 Portland, Oregon 97201
 Phone: 503-882-3002
 www.livemore.com

Livermore A&E
 JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
 14400 N RIVERGATE BLVD.
 PORTLAND, OREGON 97203

DRAWING TITLE:
SITE PLAN
 DRAWN BY: TKP
 CHECKED BY: GML

ST1.00



ENLARGED SITE PLAN PIPE FORMING AREA/ COATING MILL CODE REVIEW

1" = 60'-0"

(E) COATING MILL CODE REVIEW

PERMIT No.: 06-130004-000-00-CO

APPROVED OCCUPANCY: F2, H-3 PAINT STORAGE ROOM, II-B CONSTRUCTION, SPRINKLERED, ONE STORY.

ACTUAL BUILDING AREA: 107,675 SF.
H-3 OCCUPANCY AREA: 1,820 SF.
B OCCUPANCY AREA: 6,915 SF.

ACCESSORY TO F-2 OCCUPANCY AREA: 8,735 SF. (B OCCUPANCY)
TOTAL ACCESSORY AREA/ ACTUAL BUILDING AREA: 8,735 SF./ 107,675 SF. = 8.11% < 10%

(E) PIPE FORMING MILL CODE REVIEW

PERMIT No.: 05-117941-000-00-CO

APPROVED OCCUPANCY: F2, II-B CONSTRUCTION, UNSPRINKLERED, ONE STORY.

ACTUAL BUILDING AREA: 232,000 SF.

(N) TRAILERS

OCCUPANCY: B, VB CONSTRUCTION, NFPA 13d SPRINKLERS.

ACTUAL BUILDING AREA: 480 SF. + 2,160 SF. = 2,640 SF.

CODE PLAN LEGEND

- (E) EXISTING
- OCCUPANCY GROUPS:
- B
 - F-2
 - S-1
 - H-3
- TRAILER INSTALLATION
- (E) FIRE BARRIER - 2 HR FIRE RATING

GENERAL NOTES

- THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES
- THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY PROVIDERS REQUIRING NOTIFICATION OF INTENDED EXCAVATION.
- ALL WORK SHALL COMPLY WITH THE LOCAL JURISDICTION REQUIREMENTS AND THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN OR IMPLIED WHICH MAY AFFECT THE WORK PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
- EXISTING CONDITIONS BASED ON DRAWINGS BY EVRAZ DATED 07/26/2018

#	DATE	DESC.
1	3/04/19	ISSUED FOR CITY COMMENTS
5	3/29/19	INS. APPEAL
6	4/15/19	ISSUED FOR CITY COMMENTS



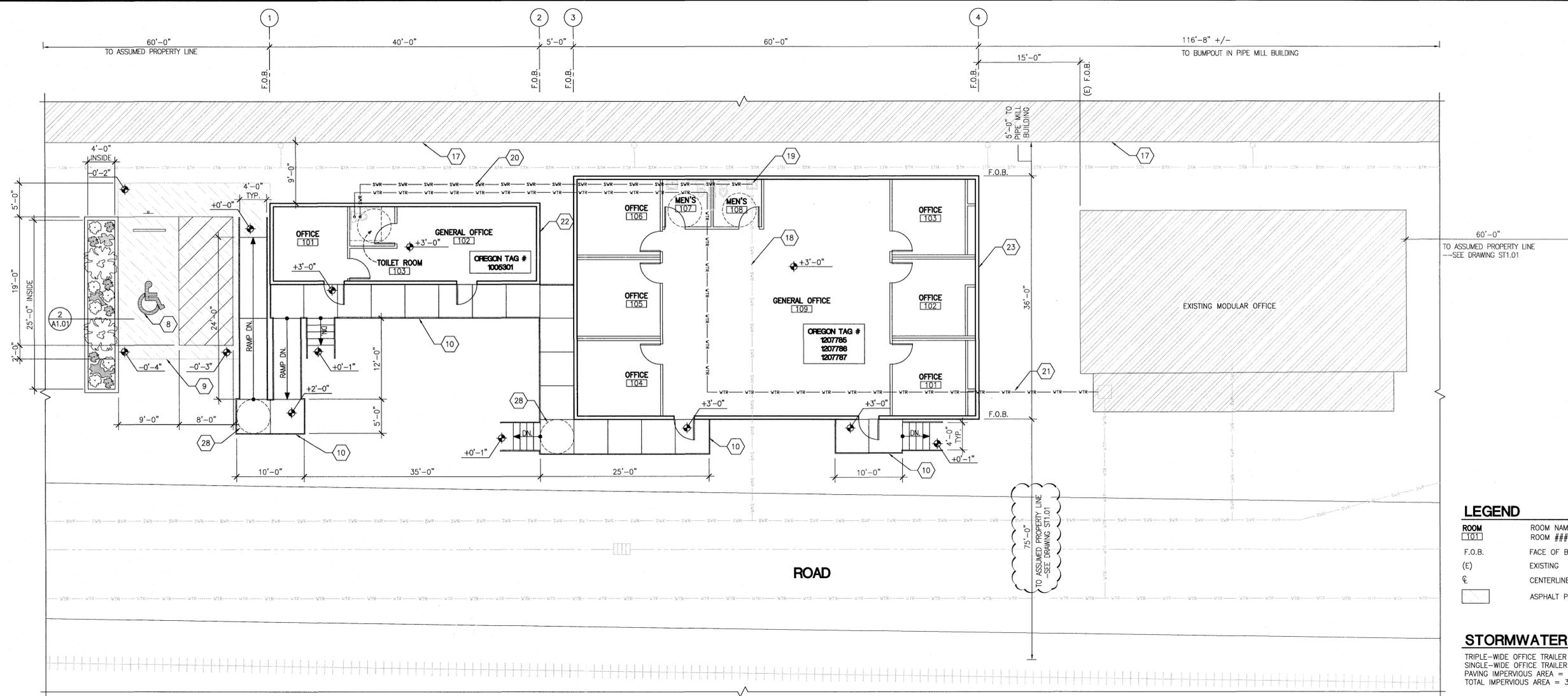
LIVERMORE ARCHITECTURE & ENGINEERING, INC.
1500 SW First Ave Suite 240
Portland, Oregon 97201
Phone: 503-692-3002
www.livermore.com

Livermore A&E
JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
14400 N RIVERGATE BLVD.
PORTLAND, OREGON 97203

DRAWING TITLE:
ENLARGED SITE PLAN PIPE FORMING AREA
DRAWN BY: MGV
CHECKED BY: GML

ST1.01



LEGEND

ROOM [101]	ROOM NAME ROOM ###
F.O.B.	FACE OF BUILDING
(E)	EXISTING
℄	CENTERLINE
ASPHALT PAVING	ASPHALT PAVING

STORMWATER NOTES

TRIPLE-WIDE OFFICE TRAILER IMPERVIOUS AREA = 2,160 S.F.
 SINGLE-WIDE OFFICE TRAILER IMPERVIOUS AREA = 480 S.F.
 PAVING IMPERVIOUS AREA = 505 S.F.
 TOTAL IMPERVIOUS AREA = 3,145 S.F.

1 ENLARGED PIPE FORMING OFFICE TRAILER FLOOR PLAN
 1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

- APPLICABLE CODES: ALL WORK SHALL BE IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES. SPECIFICATIONS AND STANDARDS SHALL MEAN, AND ARE INTENDED TO BE, THE LATEST EDITION, AMENDMENT OR REVISION OF SUCH REFERENCE STANDARD, IN EFFECT AS OF THE DATE OF THE CONTRACT DOCUMENTS.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS AND DIMENSIONS SHOWN OR IMPLIED PRIOR TO START OF CONSTRUCTION AND NOTIFY A/E OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TESTING AND COORDINATE ALL REQUIRED INSPECTIONS.

STAIR/RAMP NOTES

- PROVIDE 48" WIDE COMMERCIAL PREFABRICATED ALUMINUM STAIRS & RAMP. SEE DRAWING A2.01
- MEET ALL OSSC ACCESSIBILITY REQUIREMENTS.
- RAMP: 1:12 SLOPE WITH GUARDRAILS/HANDRAILS EACH SIDE.
- PROVIDE HANDRAIL EXTENSIONS AT STAIRS & RAMP PER OSSC ACCESSIBILITY REQUIREMENTS.
- STAIRS & RAMP SHALL BE DESIGNED FOR 100 PSF LIVE LOAD AND HANDRAIL AND GUARDRAIL LOADS AS REQUIRED BY CODE.
- STAIRS & RAMP SHALL BE SUBMITTED BY THE SUPPLIER AS A DEFERRED SUBMITTAL.

UTILITY NOTES

- SANITARY**
 SANITARY: 4", MIN. 2% SLOPE
 CAST IRON PIPE: ASTM A74, HUBLESS,
 SERVICE WEIGHT FITTING: CAST IRON
 JOINTS: NEOPRENE GASKETS AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.
 HUSKY SD4000 OR APPROVED SUBSTITUTE.
 CLEANOUT: J.R. SMITH, ZURN, WADE, OR EQUAL
- WATER**
 WATER PIPING, ABOVE GRADE
 COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN
 FITTING: ANSI/ASTM 16.22 SOLDER, GRADE 95TA
 INSULATION: 1/2" INCH
 DISINFECT, CLEAN, AND TEST: PER CODE
- WATER PIPING, BELOW GRADE AS APPROVED BY CITY OF PORTLAND**

FLOOR PLAN KEYNOTES

- EXISTING MANHOLE, GRINDER PUMP.
- EXISTING 1" UNDERGROUND WATER LINE.
- EXISTING 4" UNDERGROUND SANITARY SEWER LINE --2% SLOPE.
- 24'-0" WIDE x 60'-0" LONG DOUBLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO EXISTING UTILITY STUB-OUT UNDER TRAILER.
- EXISTING ELECTRICAL SERVICE.
- SAWCUT AND REMOVE EXISTING CONCRETE SLAB UNDER TRAILER FOOTPRINT.
- EXISTING CONCRETE SLAB ON GRADE.
- VAN ACCESSIBLE PARKING STRIPING AND SIGNAGE --SEE 1/A2.01.
- 3" ASPHALT PAVING OVER 6" CRUSHED ROCK BASE --SLOPE 2% MAX.
- ACCESSIBLE PRE-FABRICATED STAIRS/RAMP SYSTEM BY OTHERS. PROVIDE GUARDRAIL & HANDRAIL EACH SIDE. SEE NOTES THIS SHEET AND DRAWING A2.01
- EXISTING CONCRETE PAD.
- EXISTING CONCRETE BASE AT EXISTING COOLING TOWER.
- EXISTING STEEL STORAGE UNIT.
- LANDSCAPING PLANTER --SEE DETAIL 2/A1.01.
- 12'-0" WIDE x 28'-0" LONG SINGLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO UTILITY LINE EXTENSIONS.
- 24'-0" WIDE x 60'-0" LONG DOUBLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO UTILITY LINE EXTENSIONS.
- FACE OF EXISTING BUILDING.
- EXISTING UNDERGROUND SANITARY SEWER LINE --VERIFY SIZE AND DEPTH (4" LINE, 2% SLOPE).
- EXISTING SANITARY SEWER LINE STUB-UP --VERIFY SIZE AND DEPTH. EXTEND LINE TO THE WEST IF POSSIBLE.

- UNDERGROUND SANITARY SEWER LINE EXTENSION --4" LINE, 2% SLOPE. VERIFY DEPTH OF LINE AT CONNECTION TO EXISTING LINE.
- EXTEND EXISTING 1" UNDERGROUND WATER LINE FROM EXISTING TRAILER. VERIFY SIZE OF EXISTING LINE.
- 12'-0" WIDE x 40'-0" LONG SINGLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT WATER AND SEWER TO UTILITY LINE EXTENSIONS.
- 36'-0" WIDE x 60'-0" LONG TRIPLE-WIDE TRAILER. PROVIDE FOUNDATIONS PER STRUCTURAL DRAWINGS. CONNECT SEWER TO EXISTING STUB-UP. CONNECT WATER TO UTILITY EXTENSION.
- EXISTING WATER STUB --1" LINE (FIELD VERIFY).
- MANHOLE FOR LIFT STATION AND GRINDER PUMP.
- SANITARY SEWER PRESSURE LINE.
- EXISTING POWER LINE.
- 5'-0" MINIMUM TURNING RADIUS AT ALL STAIR AND RAMP LANDINGS --TYP.

PLANT LEGEND

- (2) TREE - VINE MAPLE (ACER CIRCINATUM) MIN. OF 5 FOOT TALL, 2 INCH CALIPER FULLY BRANCHED
- (10) SHRUBS - SHINY LEAF SPIREA (SPIRAEA BETULIFOLIA VAR. LUCIOA)
- (6) SHRUBS - SNOW BERRY (SYMPHORICAPROS ALBUS)
- GROUND COVER**
 12" ON CENTER, TRIANGULAR SPACING
 MIN 4" CONTAINER SIZE TO COVER 50% OF VEGETATED MOUND
 50% COLUMBIA SEDGE (CAREX APERTA)
 50% MANNA GRASS (GLYCERIA OCCIDENTALIS)
 IRRIGATION: OPTION 2 WITH CONTROLLER

CODE REVIEW

OCCUPANCY: B OFFICE, VB CONSTRUCTION, NFPA 13d SPRINKLERS.
 ACTUAL BUILDING AREA:
 TRIPLE-WIDE TRAILER: 36'-0" x 60'-0" = 2,160 SF.
 SINGLE-WIDE TRAILER: 12'-0" x 40'-0" = 480 SF
 OCCUPANCY LOAD (TRIPLE-WIDE): (2,160 SF / 100) = 21.6 OCCUPANTS TABLE 1004.1.1
 MINIMUM EGRESS WIDTH = 0.3 INCHES x 21.6 OCCUPANTS = 6.48 INCHES
 MINIMUM EGRESS WIDTH PROVIDED 2-36" DOORS = 72 INCHES
 EXIT ACCESS TRAVEL DISTANCE = 200 FEET
 EGRESS ILLUMINATION
 EXIT DISCHARGE ILLUMINATION SHALL BE NOT LESS THAN 1fc AT THE WALKING SURFACE.
 EXIT PATH SHALL BE ILLUMINATED BY EMERGENCY LIGHTS FOR A DURATION OF NOT LESS THAN 90 MINUTES.

STRUCTURAL FRAME	0 HR			
EXTERIOR BEARING WALLS	0 HR			
INTERIOR BEARING WALLS	0 HR			
EXTERIOR NON-BEARING WALLS				
	WALLS	DIST. TO PROPERTY LINE	FIRE RATING	PROTECTED OPENINGS REQ'D
	NORTH	---	0 HR	NA
	SOUTH	>60'	0 HR	NA
	EAST	>60'	0 HR	NA
	WEST	>60'	0 HR	NA
INTERIOR NON-BEARING WALLS & PARTITIONS	0 HR			
FLOORS	0 HR			
ROOFS	0 HR			
CORRIDORS	0 HR			

DATE DESC.

1	10/25/18	ISSUED FOR PERMIT
2	11/15/18	REVISED FOR PERMIT
3	2/7/19	ISSUED FOR CITY COMMENTS
4	3/24/19	ISSUED FOR CITY COMMENTS
5	3/29/19	UNL. APPEAL
6	4/15/19	ISSUED FOR CITY COMMENTS

REGISTERED ARCHITECT
 GARY LIVERMORE
 ARCHITECTURE & ENGINEERING, INC.
 PORTLAND, OREGON 97201
 Phone: 503-892-3002
 www.livermore.com

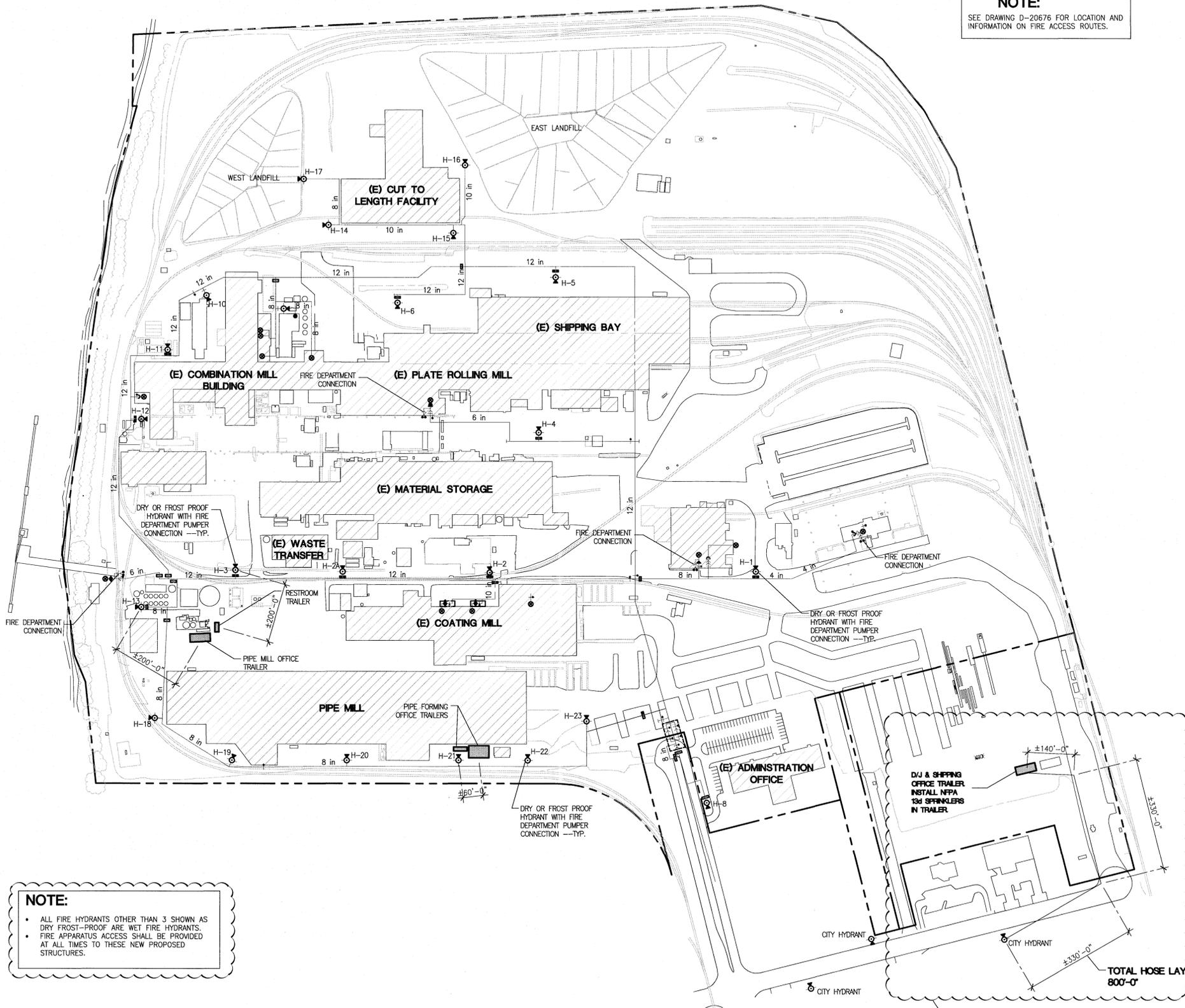
Livermore A&E
 JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
 14400 N RIVERGATE BLVD.
 PORTLAND, OREGON 97203

DRAWING TITLE:
ENLARGED TRAILER FLOOR PLANS
 DRAWN BY: TKP
 CHECKED BY: GML

A1.03

NOTE:
SEE DRAWING D-20676 FOR LOCATION AND INFORMATION ON FIRE ACCESS ROUTES.



NOTE:

- ALL FIRE HYDRANTS OTHER THAN 3 SHOWN AS DRY FROST-PROOF ARE WET FIRE HYDRANTS.
- FIRE APPARATUS ACCESS SHALL BE PROVIDED AT ALL TIMES TO THESE NEW PROPOSED STRUCTURES.

AREA OF APPEAL
—APPEAL ID #19026
CASE #19-16-RECONSIDERATION

FIRE CODE APPEAL FORM

Portland Fire & Rescue, Fire Prevention Division
55 SW Ash St. Portland OR 97204
Appeals Phone: (503) 823-3708 Fax: (503) 823-3710



Please only use this form if online submission is not an option. Appeal applications may be submitted and paid for online by accessing <https://www.portlandoregon.gov/bds/appeals> and choosing *New Appeal*.

- If hand delivering, mailing or emailing the appeal, submit a complete packet with the \$200 fee. Packet must include:
- This completed form. For assistance, consult the PF&R member requiring the corrections.
 - One set of plans, clearly identifying the areas being appealed and the conditions affecting the item(s) being appealed.
 - Plans should not be larger than 11" x 17".
 - Photos, illustrations and other information that may provide further clarification for the appeal.
 - Details of the appeal described on the attached *Fire Code Appeal Information Sheet(s)*.
 - Each appeal issue requires a separate appeal information sheet.
 - Multiple issues may be submitted in one appeal packet.
 - Make checks payable in the amount of \$200 to "City Treasurer". Credit card payments cannot be taken over the phone or in the office. To pay by credit card, submit the appeal online.

Mail or Deliver to: Portland Fire & Rescue, Attn: Lisa Lillard
55 SW Ash Street
Portland, OR 97204

NOTE: Packets may be emailed to fireappeals@portlandoregon.gov. However, payment MUST be received before the appeal process will begin.

Appeals are reviewed every other Thursday and must be filed by 5:00 PM on the Monday of the appeal review week to be heard that week. If filed after 5:00 PM on Monday of the appeal review week, the review will be scheduled for the next session, two weeks later.

PROJECT INFORMATION: This appeal involves (Check One):

Erection of a new structure Building Permit #: 18-269100-CO
 Alteration of addition to an existing structure Plans Examiner Name: Joe Thornton
 Correction of a violation Fire Inspector Name: _____
 Other, please specify: _____

Business Name (if applicable): EVRAZ Oregon Steel
 Project Address: 14400 N Rivergate Blvd. Cross Streets: N Ramsey and N Rivergate
 Owner's Name: EVRAZ Owner's Address: 14400 N Rivergate Blvd, Pld.

In accordance with City Ordinance, I hereby make application to appeal the requirements of the Fire Code and or Policies of the City of Portland as outlined in the attached information.

Appellant Name: Gary M. Livermore Phone Number: _____
 Firm Name: Livermore Architecture & Eng Email: garyl@livermoreae.com
 Applicant Address: 1500 SW 1st Ave. Ste 240, Pld
 Applicant Signature: *Gary M. Livermore* Date: 2/26/19

FOR OFFICE USE ONLY

Received By: _____ Appeal Date: _____
 Date Received: _____ Appeal Number: _____
 Receipt Number: _____ Previous Appeals: _____
 Copy To: Nate Takara

FIRE CODE APPEAL INFORMATION SHEET

Portland Fire & Rescue, Fire Prevention Division
55 SW Ash St. Portland OR 97204
Appeals Phone: (503) 823-3708 Fax: (503) 823-3710



An appeal information sheet must be completed for each item being appealed. All sections must be addressed. Please provide as much detail as possible. Failure to do so may cause the appeal to be held over until adequate information is received. If you need help filling out the form, consult with the Fire Bureau member requiring the corrections or call (503) 823-3770.

Any modification of the Fire Code and/or Policies requires an appeal. A reasonable degree of **Equivalent Life Safety and Fire Protection** must be demonstrated before any appeal may be considered.

- FIRE CODE SECTION AND/OR POLICY:**
PF & R Access & Water Supply Guide
- CODE/POLICY REQUIREMENTS:**
Hose lay distance from the nearest fire hydrant to the most remote portion of the exterior of the building shall be less than 400 feet.
- PROPOSED DESIGN:** Describe the alternate methods and/or materials of construction to be used or that exist. Be as specific and detailed as possible.

The hose lay from the closest fire hydrant is approximately 800 feet. This is a public hydrant located to the west of the site entrance off N Ramsey. Since the allowable hose lay distance is exceeded, we propose to install NFPA 13d sprinklers in the new trailer. The trailer is served by a 1" water line so the capacity is available for these sprinklers.
- REASON FOR ALTERNATE:** Describe the details of the alternate design and how it will provide equivalent life safety and/or fire protection.

The proposed structure is a double-wide trailer that will be located in the same area as an existing trailer. Total area of the two trailers is 2,880 square feet. The trailers will be used for general office functions so occupant load will be limited. Both trailers, although very small, will have two means of egress. There are no other structures within 150 feet in any direction to these trailers. The fire hydrant that will serve this trailer is located at the main entry to the site so there will be good fire truck access to the area. The fire flow at the hydrant has been confirmed to exceed 2,500 gpm at 20 psi residual pressure. The addition of the NFPA 13d sprinklers, in addition to the items listed above, will provide equivalent life safety and fire protection.

#	DATE	DESC.
1	1/23/19	ISSUED FOR PERMIT
2	2/13/19	REVISED PER CITY COMMENTS
3	3/04/19	REVISED PER CITY COMMENTS



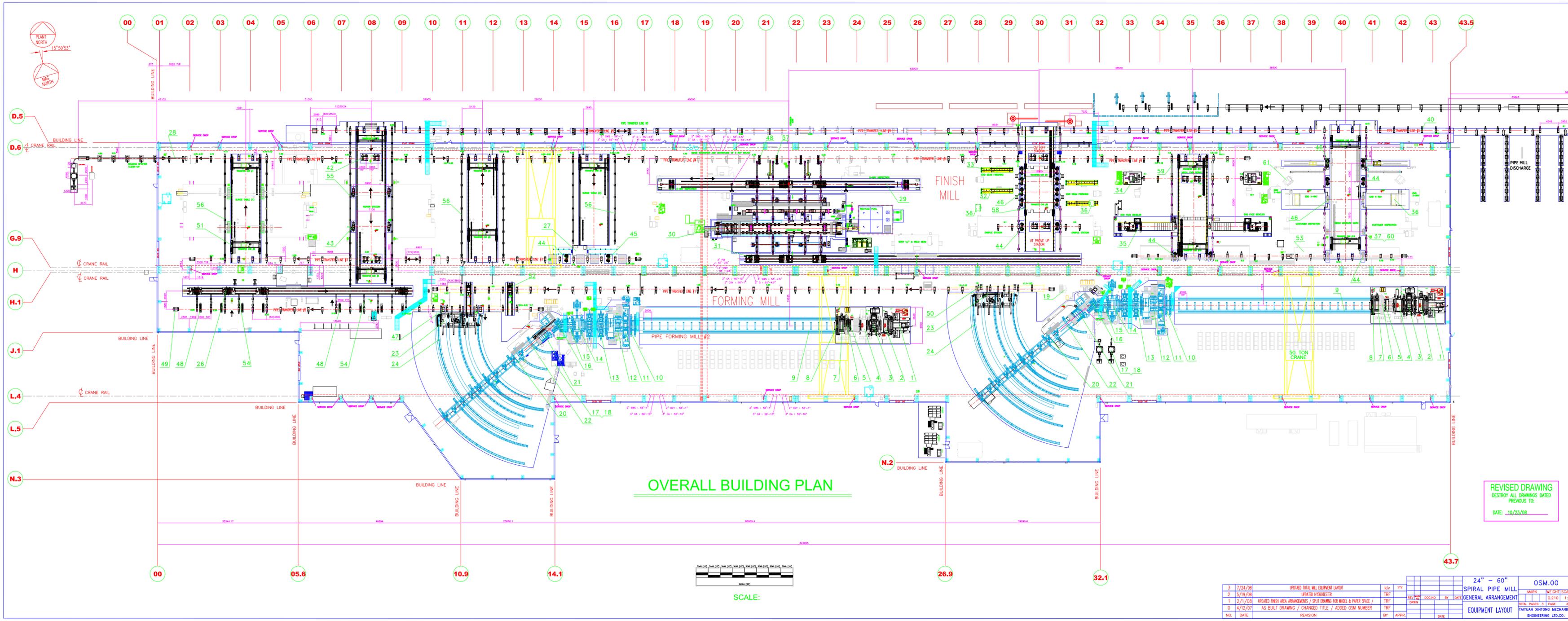
LIVERMORE ARCHITECTURE & ENGINEERING, INC.
1500 SW 1st Ave. Suite 240
Portland, Oregon 97201
Phone: 503-892-3002
www.livermoreae.com

Livermore A&E
JOB NO: 218064.00

TRAILER INSTALLATION FOR
EVRAZ OREGON STEEL PORTLAND
14400 N RIVERGATE BLVD.
PORTLAND, OREGON 97203

DRAWING TITLE:
FIRE & RESCUE PLAN
DRAWN BY: MGV
CHECKED BY: GML

FR1.00



ITEM NO.	CODE	NAME	QTY	MATERIAL	WEIGHT	REMARKS
1	10018.01.00	UNROLLER	2	ASSEMBLY	2841 5800	
2	10018.02.00	UNPEELER	2	ASSEMBLY	3845 7600	
3	10018.03.00	FEEDING LEVELLER	2	ASSEMBLY	4196 12380	
4	10018.04.00	SHOULDER END SHEAR	2	ASSEMBLY	4070 4070	
5	10018.05.00	ROOF MILLER	2	ASSEMBLY	846 1800	
6	10018.06.00	CENTERING LINE #1	2	ASSEMBLY	380 4550	
7	10018.07.00	PINCH ROLLER	2	ASSEMBLY	3865 4738	
8	10018.08.00	FLYING SHELF WELDING CAR	2	ASSEMBLY	5500 5500	
9	10018.09.00	WELDING CAR TRACK	2	ASSEMBLY	2874 5800	

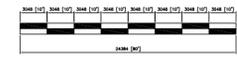
10	10018.10.00	CENTERING LINE #2	2	ASSEMBLY	588 1800
11	10018.11.00	ROOF END SHEAR	2	ASSEMBLY	4020 15300
12	10018.12.00	SCRAP COLLECTOR UNIT	2	ASSEMBLY	3310 4600
13	10018.13.00	EDGE MILLING MACHINE	4	ASSEMBLY	2300 4760
14	10018.14.00	FEEDER	2	ASSEMBLY	7807 7870
15	10018.15.00	PREHEAT GUIDE	2	ASSEMBLY	3357 7402
16	10018.16.00	FORMER	2	ASSEMBLY	4836 16700
17	10018.17.00	INSIDE AND OUTSIDE WELDING MACHINE	2	ASSEMBLY	70 1402
18	10018.18.00	FLUX SUPPLY AND COLLECTION UNIT	2	ASSEMBLY	70 1402
19	10018.19.00	FLUX DRIVER BOX	2	ASSEMBLY	70 1402
20	10018.20.00	REAR BRIDGE UNIT	2	ASSEMBLY	3347 4274
21	10018.21.00	PIPE SUPPORTER	2	ASSEMBLY	834 1424
22	10018.22.00	PIPE CUTTING CART	2	ASSEMBLY	447 1204
23	10018.23.00	PIPE HANDLING CART	2	ASSEMBLY	3867 7334
24	10018.24.00	EMBED PARTS	2	ASSEMBLY	70 1402
25	10018.25.00	FORMING MILL HYDRAULIC SYSTEMS	2	ASSEMBLY	70 1402
26	10019.01.00	CONTROL LIFT CARTS & RAIL SYSTEM	1	ASSEMBLY	1507 1507
27	10019.02.00	CROSS SEAM WELDER	1	ASSEMBLY	342 342
28	10019.03.00	INSIDE PIPE CLEAN-OUT & COLLECTOR	1	ASSEMBLY	343 343
29	10019.04.00	TYLON X-RAY INSPECTION UNIT	1	ASSEMBLY	1265 1265
30	10019.05.00	X-RAY HYDROSTATIC TESTER	1	ASSEMBLY	1265 1265
31	10019.06.00	MILL LIFT INSP. CARTS & RAIL SYSTEM	1	ASSEMBLY	1199 1199
32	10019.07.01.00	END SEAM FINISHING (SOUTH)	2	ASSEMBLY	286 286
33	10019.07.02.00	END SEAM FINISHING (NORTH)	2	ASSEMBLY	303 303
34	10019.08.00	END SOING	2	ASSEMBLY	5500 5500
35	10019.09.00	END FACE BEVELLER	1	ASSEMBLY	807 8274
36	10019.10.00	PIPE END X-RAY INSPECTION	1	ASSEMBLY	447 824
37	10019.11.00	WELDING & MEASURING UNIT	2	ASSEMBLY	347 1243
38	10019.12.00	HYDRAULIC SYSTEMS	1	ASSEMBLY	153 274
39	10019.13.00	ELECTRICAL SYSTEMS	1	ASSEMBLY	254 264
40	10019.14.01.00	CONVEYOR ROLLERS (DRIVEN)	307	ASSEMBLY	231 443
41	10019.14.02.00	CONVEYOR ROLLERS (NON-DRIVEN)	116	ASSEMBLY	147 1684
42	10019.14.03.00	CONVEYOR ROLLERS (JACKING)	5	ASSEMBLY	128 418
43	10019.15.01.00	PIPE ROTATORS (SIDE BENDING)	6	ASSEMBLY	139 1548
44	10019.15.02.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, DRIVEN)	11	ASSEMBLY	400 2120
45	10019.15.03.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, INDR)	3	ASSEMBLY	400 100
46	10019.15.04.00	PIPE ROTATORS (IN/OUT ADJUST)	12	ASSEMBLY	487 3971
47	10019.15.05.00	PIPE JACK	2	ASSEMBLY	308 438
48	10019.16.00	PIPE KICKERS	12	ASSEMBLY	85
49	10019.17.01.00	PIPE STOPPER (END STOP)	12	ASSEMBLY	288 534
50	10019.17.02.00A	PIPE STOPPER (END STOP)	2	ASSEMBLY	NEW
51	10019.18.01.00	PIPE TRANSFER CAR (CHARGE TABLE)	1	ASSEMBLY	1802
52	10019.18.02.00	PIPE TRANSFER CAR	2	ASSEMBLY	1140
53	10019.19.00	SAMPLE STATION	1	ASSEMBLY	428
54	10019.20.00	MILL CONTROL (LT) PIPE RALS	2	ASSEMBLY	485
55	10019.21.00	SCRAM TABLE PIPE RALS	1	ASSEMBLY	546
56	10019.22.00	SURGE TABLES 1 TO 3 PIPE RALS	1	ASSEMBLY	1002
57	10019.23.00	HYDROTESTER TABLE PIPE RALS	1	ASSEMBLY	1002
58	10019.24.00	END SEAM FINISHING PIPE RALS	1	ASSEMBLY	1
59	10019.25.00	END SOING & BEVELLER PIPE RALS	1	ASSEMBLY	1
60	10019.26.00	WELD MEASURE (END X-RAY MARK) PIPE RALS	1	ASSEMBLY	1
61	10019.27.00	MARKING STATION	1	ASSEMBLY	1
62	10019.29.00	EMBED PARTS	1	ASSEMBLY	1
63	10019.29.00	PIPE DRIVER	2	ASSEMBLY	1
64	040160	SPM INTERNAL PIPING	2	ASSEMBLY	1

ITEM NO.	CODE	NAME	QTY	MATERIAL	WEIGHT	REMARKS
10	10018.10.00	CENTERING LINE #2	2	ASSEMBLY	588 1800	
11	10018.11.00	ROOF END SHEAR	2	ASSEMBLY	4020 15300	
12	10018.12.00	SCRAP COLLECTOR UNIT	2	ASSEMBLY	3310 4600	
13	10018.13.00	EDGE MILLING MACHINE	4	ASSEMBLY	2300 4760	
14	10018.14.00	FEEDER	2	ASSEMBLY	7807 7870	
15	10018.15.00	PREHEAT GUIDE	2	ASSEMBLY	3357 7402	
16	10018.16.00	FORMER	2	ASSEMBLY	4836 16700	
17	10018.17.00	INSIDE AND OUTSIDE WELDING MACHINE	2	ASSEMBLY	70 1402	
18	10018.18.00	FLUX SUPPLY AND COLLECTION UNIT	2	ASSEMBLY	70 1402	
19	10018.19.00	FLUX DRIVER BOX	2	ASSEMBLY	70 1402	
20	10018.20.00	REAR BRIDGE UNIT	2	ASSEMBLY	3347 4274	
21	10018.21.00	PIPE SUPPORTER	2	ASSEMBLY	834 1424	
22	10018.22.00	PIPE CUTTING CART	2	ASSEMBLY	447 1204	
23	10018.23.00	PIPE HANDLING CART	2	ASSEMBLY	3867 7334	
24	10018.24.00	EMBED PARTS	2	ASSEMBLY	70 1402	
25	10018.25.00	FORMING MILL HYDRAULIC SYSTEMS	2	ASSEMBLY	70 1402	
26	10019.01.00	CONTROL LIFT CARTS & RAIL SYSTEM	1	ASSEMBLY	1507 1507	
27	10019.02.00	CROSS SEAM WELDER	1	ASSEMBLY	342 342	
28	10019.03.00	INSIDE PIPE CLEAN-OUT & COLLECTOR	1	ASSEMBLY	343 343	
29	10019.04.00	TYLON X-RAY INSPECTION UNIT	1	ASSEMBLY	1265 1265	
30	10019.05.00	X-RAY HYDROSTATIC TESTER	1	ASSEMBLY	1265 1265	
31	10019.06.00	MILL LIFT INSP. CARTS & RAIL SYSTEM	1	ASSEMBLY	1199 1199	
32	10019.07.01.00	END SEAM FINISHING (SOUTH)	2	ASSEMBLY	286 286	
33	10019.07.02.00	END SEAM FINISHING (NORTH)	2	ASSEMBLY	303 303	
34	10019.08.00	END SOING	2	ASSEMBLY	5500 5500	
35	10019.09.00	END FACE BEVELLER	1	ASSEMBLY	807 8274	
36	10019.10.00	PIPE END X-RAY INSPECTION	1	ASSEMBLY	447 824	
37	10019.11.00	WELDING & MEASURING UNIT	2	ASSEMBLY	347 1243	
38	10019.12.00	HYDRAULIC SYSTEMS	1	ASSEMBLY	153 274	
39	10019.13.00	ELECTRICAL SYSTEMS	1	ASSEMBLY	254 264	
40	10019.14.01.00	CONVEYOR ROLLERS (DRIVEN)	307	ASSEMBLY	231 443	
41	10019.14.02.00	CONVEYOR ROLLERS (NON-DRIVEN)	116	ASSEMBLY	147 1684	
42	10019.14.03.00	CONVEYOR ROLLERS (JACKING)	5	ASSEMBLY	128 418	
43	10019.15.01.00	PIPE ROTATORS (SIDE BENDING)	6	ASSEMBLY	139 1548	
44	10019.15.02.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, DRIVEN)	11	ASSEMBLY	400 2120	
45	10019.15.03.00	PIPE ROTATORS (IN/OUT ADJUST. W/JACKS, INDR)	3	ASSEMBLY	400 100	
46	10019.15.04.00	PIPE ROTATORS (IN/OUT ADJUST)	12	ASSEMBLY	487 3971	
47	10019.15.05.00	PIPE JACK	2	ASSEMBLY	308 438	
48	10019.16.00	PIPE KICKERS	12	ASSEMBLY	85	
49	10019.17.01.00	PIPE STOPPER (END STOP)	12	ASSEMBLY	288 534	
50	10019.17.02.00A	PIPE STOPPER (END STOP)	2	ASSEMBLY	NEW	
51	10019.18.01.00	PIPE TRANSFER CAR (CHARGE TABLE)	1	ASSEMBLY	1802	
52	10019.18.02.00	PIPE TRANSFER CAR	2	ASSEMBLY	1140	
53	10019.19.00	SAMPLE STATION	1	ASSEMBLY	428	
54	10019.20.00	MILL CONTROL (LT) PIPE RALS	2	ASSEMBLY	485	
55	10019.21.00	SCRAM TABLE PIPE RALS	1	ASSEMBLY	546	
56	10019.22.00	SURGE TABLES 1 TO 3 PIPE RALS	1	ASSEMBLY	1002	
57	10019.23.00	HYDROTESTER TABLE PIPE RALS	1	ASSEMBLY	1002	
58	10019.24.00	END SEAM FINISHING PIPE RALS	1	ASSEMBLY	1	
59	10019.25.00	END SOING & BEVELLER PIPE RALS	1	ASSEMBLY	1	
60	10019.26.00	WELD MEASURE (END X-RAY MARK) PIPE RALS	1	ASSEMBLY	1	
61	10019.27.00	MARKING STATION	1	ASSEMBLY	1	
62	10019.29.00	EMBED PARTS	1	ASSEMBLY	1	
63	10019.29.00	PIPE DRIVER	2	ASSEMBLY	1	
64	040160	SPM INTERNAL PIPING	2	ASSEMBLY	1	

REVISED DRAWING
DESTROY ALL DRAWINGS DATED
PREVIOUS TO:
DATE: 10/23/08

ITEM NUMBERS 24,25,38,39,61 & 64 ARE NOT SHOWN

OVERALL BUILDING PLAN



SCALE:

NO.	DATE	REVISION	BY	APPR.
3	7/24/08	UPDATED TOTAL MILL EQUIPMENT LAYOUT	Hlv	YY
2	5/19/08	UPDATED HYDROTESTER	TRF	
1	2/1/08	UPDATED FINISH AREA ARRANGEMENTS / SPLIT DRAWING FOR MODEL & PAPER SPACE /	TRF	
0	4/12/07	AS BUILT DRAWING / CHANGED TITLE / ADDED OSM NUMBER	TRF	

24" - 60"	OSM.00
SPIRAL PIPE MILL	MARK WEIGHT SCALE
GENERAL ARRANGEMENT	0.2/1.0 1:1
EQUIPMENT LAYOUT	TOTAL PAGES: 3 PAGE 3
	DATE: 10/23/08

EVRAZ EVRAZ INC. N.A.
EVRAZ OREGON STEEL
 PORTLAND STEEL
 EVRAZ OREGON STEEL
 14400 N.E. INVESTMENT BLVD.
 PORTLAND, OREGON 97230
 PH: 503.241.5400

SCALE: 1:200
 DATE: XXXX
 DWN: XXXX
 CHG-APP: XXXX
 CODE: 1000-000
 DWN NO: D-50000
 BOX: 3

SPIRAL PIPE MILL
 GENERAL ARRANGEMENT
 & EQUIPMENT LAYOUT
 PLAN VIEW