GENERAL NOTES

THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT WITH RESPECT TO DESIGN INTENT, EXISTING BUILDING DIMENSIONS, AND MAJOR STRUCTURAL SYSTEMS, BASED ON THE SCOPE DESCRIBED HEREIN. WORK PERTAINING TO THE STRUCTURAL FOUNDATION SYSTEM SHALL BE RESOLVED BY THE OWNER. WORK PERTAINING TO THE INSTALLATION OF NEW PROCESSING EQUIPMENT SHALL BE RESOLVED BY THE CONTRACTOR. SUBCONTRACTORS SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. WHERE USED HEREIN, THE TERM "PROVIDE" SHALL MEAN FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.

THE BUILDING FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STRUCTURAL FOUNDATION DRAWINGS (BY OTHERS). TOOLING SUPPORT STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE EQUIPMENT PLAN DRAWINGS. ANY CONFLICTS BETWEEN STRUCTURAL, MECHANICAL, ELECTRICAL, OR OTHER DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR AND/OR OWNER, AS APPLICABLE, PRIOR TO LAYOUT OR INSTALLATION OF ANY WORK IN CONFLICT. WHERE STRUCTURAL DRAWINGS EXIST, ALL OTHER DOCUMENTS SHALL BE CONSIDERED FOR REFERENCE ONLY, AND THE STRUCTURAL DRAWINGS SHALL GOVERN. WHERE TOOLING SUPPORT DRAWINGS EXIST, THEY SHALL GOVERN OVER ALL OTHER DOCUMENTS EXCEPT STRUCTURAL DRAWINGS, WHICH SHALL TAKE PRECEDENCE.

WORK NOT SPECIFICALLY DETAILED OR SHOWN SHALL BE OF SIMILAR QUALITY AND CONSTRUCTION TO ADJACENT OR COMPARABLE WORK THAT IS SHOWN. SPECIFICATIONS SHALL GOVERN MATERIALS, WORKMANSHIP, AND INSTALLATION REQUIREMENTS. IF A SUBCONTRACTOR IDENTIFIES A CONFLICT, DISCREPANCY, OR AMBIGUITY IN THE DRAWINGS OR SPECIFICATIONS, THEY SHALL PROMPTLY NOTIFY THE CONTRACTOR AND/OR OWNER IN WRITING AND SHALL NOT PROCEED WITH THE AFFECTED WORK UNTIL CLARIFICATION IS RECEIVED.

SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO COMMENCING WORK. ANY DISCREPANCIES AFFECTING THE WORK SHALL BE REPORTED IMMEDIATELY TO THE CONTRACTOR AND/OR OWNER FOR DIRECTION. IF WORK PROCEEDS WITHOUT WRITTEN CLARIFICATION, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY RESULTING DEFICIENCIES AT NO ADDITIONAL COST TO THE CONTRACTOR AND/OR OWNER. IN THE EVENT OF A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, OR WHERE DETAILS ARE OMITTED, THE SUBCONTRACTOR SHALL ASSUME THE MOST STRINGENT REQUIREMENT UNLESS A WRITTEN CLARIFICATION IS ISSUED BY THE CONTRACTOR AND/OR OWNER.

REQUESTS FOR EVALUATION, STUDY, OR PRICING OF SUBSTITUTED MATERIALS OR ALTERNATE CONSTRUCTION METHODS SHALL BE INITIATED AND BORNE BY THE SUBCONTRACTOR OR ORIGINATOR OF THE REQUEST.

NO CHANGES SHALL BE IMPLEMENTED WITHOUT WRITTEN AUTHORIZATION FROM THE CONTRACTOR AND/OR OWNER. VERBAL INSTRUCTIONS SHALL NOT BE CONSIDERED BINDING. THE SUBCONTRACTOR ASSUMES FULL RESPONSIBILITY FOR UNAUTHORIZED CHANGES.

NO FIELD CUTTING, DRILLING, WELDING, OR MODIFICATION OF STRUCTURAL MEMBERS OF THE TOOLING SUPPORT STRUCTURES SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE CONTRACTOR'S ENGINEER OF RECORD.

WHERE WORK OCCURS IN OR ADJACENT TO OCCUPIED FACILITIES, SUBCONTRACTORS SHALL CONDUCT OPERATIONS IN A MANNER THAT POSES NO HAZARD TO OCCUPANTS OR VISITORS. EXISTING SERVICES OR UTILITIES SHALL NOT BE DISRUPTED WITHOUT PRIOR WRITTEN APPROVAL. ACCESS SHALL BE LIMITED TO AREAS NECESSARY FOR FIELD VERIFICATION AND CONSTRUCTION. TEMPORARY BARRICADES, PARTITIONS, AND WEATHER PROTECTION SHALL BE PROVIDED AS REQUIRED.

ALL WRITTEN DIMENSIONS SHALL GOVERN. DO NOT SCALE DRAWINGS. DIMENSIONS ARE TO FACE OF FRAMING UNLESS OTHERWISE NOTED.

EQUIPMENT AND APPARATUS LOCATIONS SHOWN ARE SCHEMATIC. SUBCONTRACTORS SHALL COORDINATE FINAL LOCATIONS TO AVOID CONFLICTS, MAINTAIN REQUIRED CLEARANCES, AND PRESERVE ACCESS AND EGRESS. MINOR ADJUSTMENTS REQUIRED TO MEET THESE CONDITIONS SHALL BE MADE WITH APPROVAL AND WITHOUT ADDITIONAL COST TO THE OWNER.

ALL REQUIRED EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF KEYS, TOOLS, OR SPECIAL KNOWLEDGE. EXIT SIGNAGE

CYLINDER GUARDS SHALL BE INSTALLED ON ALL CYLINDER LOCKS WHENEVER THE CYLINDER PROJECTS BEYOND THE FACE OF THE DOOR OR IS OTHERWISE ACCESSIBLE TO GRIPPING TOOLS.

THE CONTRACTOR AND/OR OWNER SHALL NOT HAVE CONTROL OR RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR SAFETY PROGRAMS. EACH SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PERFORMING THEIR WORK SAFELY AND IN COMPLIANCE WITH ALL APPLICABLE LAWS, REGULATIONS, AND OSHA REQUIREMENTS, INCLUDING THE SAFETY OF THEIR EMPLOYEES, OTHER WORKERS, AND THE PUBLIC. THE SUBCONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SHORING REQUIRED FOR ERECTION STABILITY UNTIL THE STRUCTURE IS COMPLETE AND SELF-SUPPORTING.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF TOOLING AND ASSOCIATED SUPPORT STRUCTURES UNLESS OTHERWISE NOTED.

SUBCONTRACTORS SHALL LIMIT OPERATIONS TO APPROVED AREAS, COMPLY WITH ALL APPLICABLE LAWS AND PERMITS, AND MAINTAIN A CLEAN AND ORDERLY JOB SITE. DEBRIS SHALL BE REMOVED PROMPTLY UPON COMPLETION OF EACH PHASE OF WORK.

SUBCONTRACTORS SHALL PERFORM ALL CUTTING, FITTING, AND PATCHING NECESSARY FOR PROPER INSTALLATION WITHOUT DAMAGING ADJACENT WORK. ALL DAMAGED SURFACES SHALL BE REPAIRED TO MATCH SURROUNDING MATERIALS AND FINISHES.

WHERE APPLICABLE, PROVIDE ALL REQUIRED BLOCKING AND BACKING FOR FIXTURES, EQUIPMENT, AND SYSTEMS REQUIRING SUPPORT. PROVIDE FIRE BLOCKING IN ACCORDANCE WITH IBC SECTION 718.2, INCLUDING CONCEALED SPACES, SOFFITS, DROP CEILINGS, AND STAIR STRINGERS.

THE BUILDING ENVELOPE SHALL BE WEATHER-TIGHT. ALL PENETRATIONS SHALL BE PROPERLY FLASHED AND SEALED IN ACCORDANCE WITH THE SMACNA ARCHITECTURAL SHEET METAL MANUAL. FLASHING SHALL BE PROVIDED AT ALL REQUIRED LOCATIONS WHETHER DETAILED OR NOT.

DESIGN CRITERIA

DC-1. DESIGN LOADS:

DEAD LOAD: SELF WEIGHT, EQUIPMENT WEIGHTS PROVIDED BY CONTRACTOR.
5 PSF COLLATERAL LOAD, WHERE APPLICABLE.

LIVE LOAD: 60 PSF FOR ALL ELEVATED PLATFORM WALKING SURFACES, PER TABLE 1607.1 OF THE IBC.

SEISMIC DESIGN CRITERIA:

IMPORTANCE FACTOR, I_E:	1.0
RISK CATEGORY:	II
SITE CLASS:	D
SEISMIC DESIGN CATEGORY:	B
S_S:	0.22
S_1:	0.048

FOR STRUCTURE SUPPORTING PLATFORMS AND EQUIPMENT:
THE SEISMIC LATERAL FORCE RESISTING SYSTEM IS A NON-BUILDING SYSTEM SIMILAR TO BUILDINGS, PER ASCE 7 TABLE 15.4-1; STEEL ORDINARY CONCENTRICALLY BRACED FRAME: R = 3.25, Ω_0 (OMEGA-0) = 2.0, C_d = 3.25

SNOW LOAD: N/A: TOOLING SUPPORT IS LOCATED WITHIN THE EXISTING BUILDING; NO SNOW EXPOSURE.

WIND LOAD: N/A: TOOLING SUPPORT IS LOCATED WITHIN THE EXISTING BUILDING; NO WIND EXPOSURE.

DC-2. CONNECTIONS TO CONCRETE AND CONCRETE INSERTS:

A. EXPANSION ANCHORS SHALL BE "STRONG-BOLT 2" BY SIMPSON STRONG-TIE WITH MINIMUM EMBEDMENT AND DIAMETER PER PLAN. THE DESIGN AND INSTALLATION SHALL MEET THE REQUIREMENTS SET FORTH IN ICC-ES REPORT ESR-3037 (REISSUED IN AUGUST 2025), INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. ALLOWABLE AND STRENGTH DESIGN VALUES LISTED IN THE ESR-3037 REPORT AND THE TABLES THEREIN ARE FOR FASTENERS ONLY AND DO NOT INCLUDE THE SUPPORTING MEMBERS. THE SUPPORTING MEMBERS SHALL BE CHECKED FOR STRUCTURAL ADEQUACY.
2. ANCHORS SHALL BE IDENTIFIED BY LABELS ON THE PACKAGING INDICATING THE MANUFACTURER'S NAME AND PRODUCT
3. ANCHORS SHALL BE INSTALLED AS PER THE MANUFACTURER'S INSTRUCTIONS. COPIES OF THE INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE AT EACH JOB SITE.
4. EXPANSION ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 7 DAYS AT THE TIME OF ANCHOR INSTALLATION. THE CONCRETE SHALL HAVE ATTAINED THE DESIGN COMPRESSIVE STRENGTH SPECIFIED ON THE FOUNDATION
5. DESIGN VALUES AND MINIMUM EMBEDMENT REQUIREMENTS SHALL BE PER TABLES IN ICC-ES REPORT NO. ESR-3037.
6. SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE IBC SHALL BE PROVIDED FOR ANCHOR INSTALLATIONS WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND/OR WHERE DESIGNATED ON THESE DRAWINGS.
7. DETAILS IN THESE PLANS AND THEIR ASSOCIATED CALCULATIONS DEMONSTRATE THAT THE APPLIED LOADS OR FACTORED LOADS ARE LESS THAN THE ALLOWABLE LOAD VALUES OR DESIGN STRENGTH LEVEL VALUES RESPECTIVELY, DESCRIBED IN THE IBC. THESE PLANS AND CALCULATIONS HAVE BEEN REVIEWED AND APPROVED BY A LICENSED CIVIL ENGINEER REGISTERED IN THE STATE OF
8. ANCHORS HAVE BEEN DESIGNED USING SIMPSON STRONG-TIE ANCHOR DESIGNER SOFTWARE. THE BASE MATERIAL HAS BEEN DESIGNED AS CRACKED CONCRETE, PER THE MANUFACTURER'S RECOMMENDATIONS.

B. ALL EXPANSION ANCHORS SHALL BE INSTALLED AND TORQUED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
C. CONCRETE COLD JOINTS (UNLESS OTHERWISE NOTED) SHALL NOT BE PERMITTED WITHIN THE ANCHOR EMBEDMENT ZONE. WHERE FULL EMBEDMENT IS REQUIRED, INSTALL ANCHORS IN A MONOLITHIC POUR.
D. EXISTING BUILDING SLAB UNDER CONTRACTOR'S EQUIPMENT SUPPORT BASE PLATES SHALL BE A MINIMUM THICKNESS OF 5", WITH A MINIMUM STRENGTH OF f'_c = 5,600 PSI AT 28 DAYS, UNREINFORCED.

DC-3. STRUCTURAL STEEL:

A. DESIGN, FABRICATION AND ERECTION OF STEEL SHALL BE IN ACCORDANCE WITH THE MANUAL OF STEEL CONSTRUCTION, AISC 360.
B. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

1. W SECTIONS:	ASTM A992
2. HSS (TUBING):	ASTM A500 GRADE B, 46 KSI YIELD
3. ALL OTHER SHAPES:	ASTM A36
4. PLATES AND BARS:	ASTM A36
C. STEEL PIPING:	ASTM A53, GRADE B
D. DECK PLATE:	3/16" DIAMOND FLOOR PLATE
	60 KSI MINIMUM TENSILE STRENGTH
	33 KSI MINIMUM YIELD POINT

E. STRUCTURAL BOLTED CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER ASTM F3125 GRADE A325 BOLTS, UNLESS OTHERWISE NOTED. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN THE BOLT. ALL STRUCTURAL BOLTED CONNECTIONS ARE TO USE DIRECT TENSION INDICATING WASHERS WITH SELF-INDICATING ORANGE SILICONE, INSTALLED TO MEET ALL MANUFACTURER REQUIREMENTS. BOLT THREADS ARE ALLOWED IN THE SHEAR PLANE, UNLESS OTHERWISE NOTED.
F. GUARDRAILS SHALL BE BOLTED WITH 5/8" DIAMETER SAE J429 GRADE 5, ZINC-PLATED HEX BOLTS, UNLESS OTHERWISE NOTED. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN THE BOLT. BOLT THREADS ARE NOT ALLOWED IN THE SHEAR PLANE, UNLESS
G. BEARING CONNECTIONS ARE PERMITTED UNLESS SLIP-CRITICAL CONNECTIONS ARE SPECIFICALLY NOTED.
H. ALL DESIGN, DETAILING, FABRICATION, AND ERECTION OF STEEL IS REQUIRED TO CONFORM TO THE FOLLOWING STANDARDS, UNLESS OTHERWISE NOTED:

1. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
2. AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS
3. AISC DESIGN GUIDES FOR DETAILING FOR STEEL CONSTRUCTION
4. RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, JUNE 11, 2020

J. FINISH BEARING ENDS OF ALL COLUMNS TO A MILLED SURFACE AT RIGHT ANGLES TO VERTICAL AXIS.
K. WELDING:

1. WELDING AND WELDERS SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 USING WELDING FILLER METAL TO MATCH THE STRUCTURAL STEEL AND WELDING PROCESS PER AWS D1.1 TABLE 3.1. THE WELDING ELECTRODE MINIMUM TENSILE STRENGTH SHALL BE 70 KSI. WELDS NOT SPECIFIED SHALL BE CONTINUOUS 1/4 FILLET MINIMUM.
2. CHARPY V-NOTCH TOUGHNESS REQUIREMENTS SHALL APPLY ONLY WHERE REQUIRED BY THE GOVERNING BUILDING CODE, SEISMIC DESIGN REQUIREMENTS, OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS.
3. WELDING PROCESS INSPECTION SHALL BE PER AWS D1.1.
4. THE MINIMUM LEVEL OF NONDESTRUCTIVE INSPECTION AND TESTING OF WELDS IS AS FOLLOWS:
   A. VISUAL INSPECTION - 100% OF WELD LENGTH.
   B. VISUAL INSPECTION (WITH MAGNETIC PARTICLE AND/OR DYE PENETRANT AS SUPPLEMENTARY INSPECTION AS REQUIRED) OF SUSPECTED UNSATISFACTORY WELDS OR CRACKS.

L. FABRICATOR IS REQUIRED TO BE AN AWS CERTIFIED FABRICATOR FOR STRUCTURAL STEEL.

SPECIAL INSPECTIONS AND QUALITY CONTROL

SI & QC-1: SPECIAL INSPECTIONS:

A. ALL CONSTRUCTION SHALL BE INSPECTED IN CONFORMANCE WITH THE IBC.
B. IF REQUIRED BY THE AUTHORITY HAVING JURISDICTION, A 3RD PARTY SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER TO VERIFY CONSTRUCTION IS IN ACCORDANCE WITH THE IBC CHAPTER 17.
C. THE SUBCONTRACTOR SHALL COORDINATE THE TIMING OF CONSTRUCTION AND INSPECTION WITH THE CONTRACTOR'S PROJECT MANAGER, INSPECTOR, AND THE BUILDING OFFICIAL (IF REQUIRED).
D. ALL ITEMS NOTED AS REQUIRING SPECIAL INSPECTION PER THE INTERNATIONAL BUILDING CODE IN ACCORDANCE WITH IBC SECTION 1704 AND 1705, SHALL BE PERFORMED BY A QUALIFIED PERSON WHO CAN DEMONSTRATE COMPETENCE FOR THE PARTICULAR TYPE OF CONSTRUCTION BEING INSPECTED. THE SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, THE PLANS AND SPECIFICATIONS, THE ENGINEER OF RECORD, AND THE BUILDING OFFICIALS.
E. SHOP WELDING MUST BE PERFORMED IN AN AWS CERTIFIED FABRICATION SHOP.
F. INSPECTIONS AND TESTS SHALL BE COMPLETED BY CERTIFIED TECHNICIANS AS REQUIRED BY THE IBC AND AISC. SPECIAL INSPECTIONS ARE TO BE COMPLETED FOR THE ITEMS INDICATED IN THE TABLE BELOW PER TABLE 1705.3 AND 1705.2.1 OF THE IBC:

ITEM	TYPE OF INSPECTION		COMMENTS
	CONTINUOUS	PERIODIC	
CONCRETE:			
EPOXY ANCHOR PLACEMENT		X	PER ACI 318:17.8.2; VERIFY EMBEDMENT, SPACING, AND EDGE DISTANCE
EXPANSION ANCHOR PLACEMENT		X	
STRUCTURAL STEEL:			
HIGH STRENGTH BOLTING; USING DIRECT TENSION INDICATOR METHODS OF INSTALLATION		X	ALL GRADE A325 BOLTS: ALL CONNECTIONS TO BE BEARING ONLY
WELDING:			
SINGLE PASS FILLET WELDS < 5/16"		X	AISC 360: J2, M2.4, AND M4.5, AWS D1.1, AND AWS D1.8 APPLY
FILLET WELDS > 5/16"	X		
PARTIAL/COMPLETE PENETRATION	X		

SI & QC-2. QUALITY CONTROL AND QUALITY ASSURANCE, FABRICATOR AND ERECTOR QUALITY CONTROL PROGRAM:

A. THE FABRICATOR AND ERECTOR OF ALL STRUCTURAL STEEL SHALL ESTABLISH AND MAINTAIN QUALITY CONTROL PROCEDURES AND PERFORM INSPECTIONS TO ENSURE THAT THEIR WORK IS PERFORMED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, CHAPTER N AND THE CONSTRUCTION DOCUMENTS.
B. MATERIAL IDENTIFICATION PROCEDURES SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 6.1 OF THE CODE OF STANDARD PRACTICE AND SHALL BE MONITORED BY THE FABRICATOR'S QUALITY CONTROL INSPECTOR (QCI).
C. THE FABRICATOR'S QCI SHALL INSPECT THE FOLLOWING AS A MINIMUM, AS APPLICABLE:

1. SHOP WELDING, HIGH STRENGTH BOLTING, AND DETAILS IN ACCORDANCE WITH SECTION N5 OF THE AISC SPECIFICATION
2. SHOP CUT AND FINISHED SURFACES IN ACCORDANCE WITH SECTION M2 OF THE AISC SPECIFICATION
3. SHOP HEATING FOR STRAIGHTENING, CAMBERING AND CURVING IN ACCORDANCE WITH SECTION M2.1 OF THE AISC SPECIFICATION
4. TOLERANCES FOR SHOP FABRICATION IN ACCORDANCE WITH SECTION 6 OF THE CODE OF STANDARD PRACTICE

D. THE ERECTOR'S QCI SHALL INSPECT THE FOLLOWING AS A MINIMUM, AS APPLICABLE:

1. FIELD WELDING, HIGH STRENGTH BOLTING, AND DETAILS IN ACCORDANCE WITH SECTION N5 OF THE AISC SPECIFICATION
2. STEEL DECK AND HEADED STEEL STUD ANCHOR PLACEMENT AND ATTACHMENT IN ACCORDANCE WITH SECTION 6 OF THE AISC
3. FIELD CUT SURFACES IN ACCORDANCE WITH SECTION M2.2 OF THE AISC SPECIFICATION
4. FIELD HEATING FOR STRAIGHTENING IN ACCORDANCE WITH SECTION M2.1 OF THE AISC SPECIFICATION
5. TOLERANCES FOR FIELD ERECTION IN ACCORDANCE WITH SECTION 7.13 OF THE CODE OF STANDARD PRACTICE

E. WALKWAY GUARDING SPECIFICATIONS:

1. ALL GUARDRAILS TO BE 42" MINIMUM HEIGHT.
2. GUARDRAILS SHALL COMPLY WITH OSHA 29 CFR 1910.29 REQUIREMENTS FOR TOP RAIL, MIDRAIL, AND TOEBOARD WHERE REQUIRED.
3. ALL GUARDRAILS TO HAVE A 4" TOE KICK.

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BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
2	ISSUED FOR PROJECT DESIGN - NOT FOR CONSTRUCTION	BWP	1/23/2026
1	PRELIMINARY - FOR INTERNAL USE ONLY	BWP	1/16/2026

PROJECT#: 2380
AREA#: N/A
EQUIP#: N/A
SERIAL#: N/A
MODEL#: N/A
WEIGHT: N/A

DRAWING TITLE: **DRAWINGS FOR PERMIT**
CLIENT: CITY OF GRAND JUNCTION
LOCATION: RESIDENTIAL SINGLE STREAM GRAND JUNCTION, CO
DWG FILE: 2380 S1 PERMIT.dwg

REV #: **2**
DRAWING #: **S1-02**

GENERAL NOTES:

1. (E) BUILDING AND SUPPORT STRUCTURE SHOWN IN ORANGE HIDDEN LINETYPE.
2. NEW BHS TOOLING EQUIPMENT SUPPORT STRUCTURES SHOWN IN BLACK LINETYPE.
3. NEW BHS TOOLING EQUIPMENT SHOWN IN GRAY LINETYPE.

CODE REVIEW AND OCCUPANT LOAD CALCULATIONS:

2024 IBC - SEE S1-1 FOR ADDITIONAL INFORMATION

FUNCTION OF SPACE: INDUSTRIAL AREA
OCCUPANCY GROUP: F-1
CONSTRUCTION TYPE: II-B w/ (AUTOMATIC) SPRINKLER SYSTEM (IN ACCORDANCE WITH SECTION 903)
ALLOWABLE AREA: UNLIMITED, GREATER THAN 60' SIDE YARDS
CEILING HEIGHT: 26'-2" > 24' MINIMUM

ALLOWABLE AREA PER TABLE 506.2:
NO "*PUBLIC-USE AREAS*" ON PLATFORMS, AS DEFINED BY SECTION 202;
"PUBLIC-USE AREAS: Interior or exterior rooms, spaces or elements that are made available to the public. Public use may be provided at a building or facility that is privately or publicly owned."

PER TABLE 1004.5, INDUSTRIAL AREAS: OCCUPANT LOAD FACTOR = 100 GROSS

505.3.1 EQUIPMENT PLATFORMS, AREA LIMITATIONS (SOUTH-EAST SIDE OF BUILDING):
BUILDING AREA =56,200 SF
BHS EQUIPMENT PLATFORM AREA BEING ADDED ≤ 19,000 SF
PLATFORM TO FLOOR RATIO = 33%
33% < 2/3 (BUILDING AREA), O.K.

1003.2 CEILING HEIGHT:
MEANS OF EGRESS MEET THE CEILING HEIGHT REQUIREMENT OF NOT LESS THAN 7'-6" IN ALL AREAS OF DAILY OPERATIONS WITH NO EXCEPTIONS REQUIRED.

1003.4 FLOOR SURFACE:
ALL PLATFORM WALKING SURFACES TO USE A DIAMOND PLATE SURFACE FINISH AND ALL STAIRS TO USE PERF-O GRIP (R) GRATING, TO MEET ALL APPLICABLE CODES.

1004.9 POSTING OF OCCUPANT LOAD:
PLATFORMS ARE NOT TO BE USED FOR ASSEMBLY, CLASSROOM, DINING, DRINKING, OR SIMILAR PURPOSES AND HAVE AN OCCUPANT LOAD LESS THAN 50 (AS CALCULATED BELOW); THEREFORE, NO POSTING OF OCCUPANT LOAD IS REQUIRED.

1005.3.1 STAIRWAYS:
MAXIMUM OCCUPANT LOAD OF ANY GIVEN AREA BEING ADDED: 5 (TOOLING EQUIPMENT SUPPORT PLATFORMS: S0001 & S0003)
(5 OCCUPANTS)(0.3 INCHES) = 1.5"
36" MINIMUM EGRESS PROVIDED > 1.5", THEREFORE O.K.

1006.3.1 EGRESS FROM STORIES; EGRESS BASED ON OCCUPANT LOAD:
A SINGLE EXIT OR ACCESS TO A SINGLE EXIT SHALL BE PERMITTED IN ACCORDANCE WITH SECTION 1006.3.4.

1017.2 EXIT ACCESS TRAVEL DISTANCE; LIMITATIONS:
AS SHOWN ABOVE IN 1006.3.4, TRAVEL DISTANCE DOES NOT EXCEED MAXIMUM TRAVEL DISTANCE OF 250' (WITH AUTOMATIC SPRINKLER SYSTEM), SET BY TABLE 1017.2.

SORT STATION A1 TO EGRESS C: 76' < 250', O.K.
SORT STATION A2 TO EGRESS C: 91' < 250', O.K.
SORT STATION A3 TO EGRESS C: 96' < 250', O.K.

STATIONS B1, B2, B3, AND B4 HAVE TWO PATHS OF EGRESS:
SORT STATION B1 TO EGRESS C, 1ST PATH: 105' < 250', O.K. 2ND PATH: 141' < 250', O.K.
SORT STATION B2 TO EGRESS C, 1ST PATH: 106' < 250', O.K. 2ND PATH: 142' < 250', O.K.
SORT STATION B3 TO EGRESS C, 1ST PATH: 103' < 250', O.K. 2ND PATH: 141' < 250', O.K.
SORT STATION B4 TO EGRESS C, 1ST PATH: 114' < 250', O.K. 2ND PATH: 180' < 250', O.K.

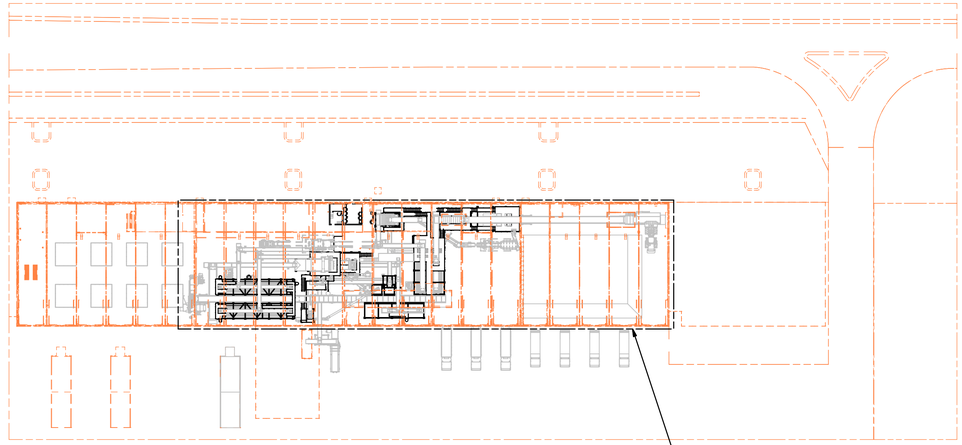
1006.3.4 SINGLE EXITS:
"A SINGLE EXIT OR ACCESS TO A SINGLE EXIT SHALL BE PERMITTED FROM ANY STORY WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS: 1. THE OCCUPANT LOAD, NUMBER OF DWELLING UNITS AND COMMON PATH OF EGRESS TRAVEL DISTANCE DO NOT EXCEED THE VALUES IN TABLE 1006.3.4(1) OR 1006.3.4(2)."
PER TABLE 1006.3.4(2):
MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE = 100' (WITH SPRINKLER SYSTEM)
(FIRST STORY ABOVE OR BELOW GRADE PLANE, OCCUPANCY = F, MAXIMUM OCCUPANT LOAD PER STORY < 49)

STATION A1: DISTANCE TO EGRESS: 76' < 100', O.K.
STATION A2: DISTANCE TO EGRESS: 91' < 100', O.K.
STATION A3: DISTANCE TO EGRESS: 96' < 100', O.K.

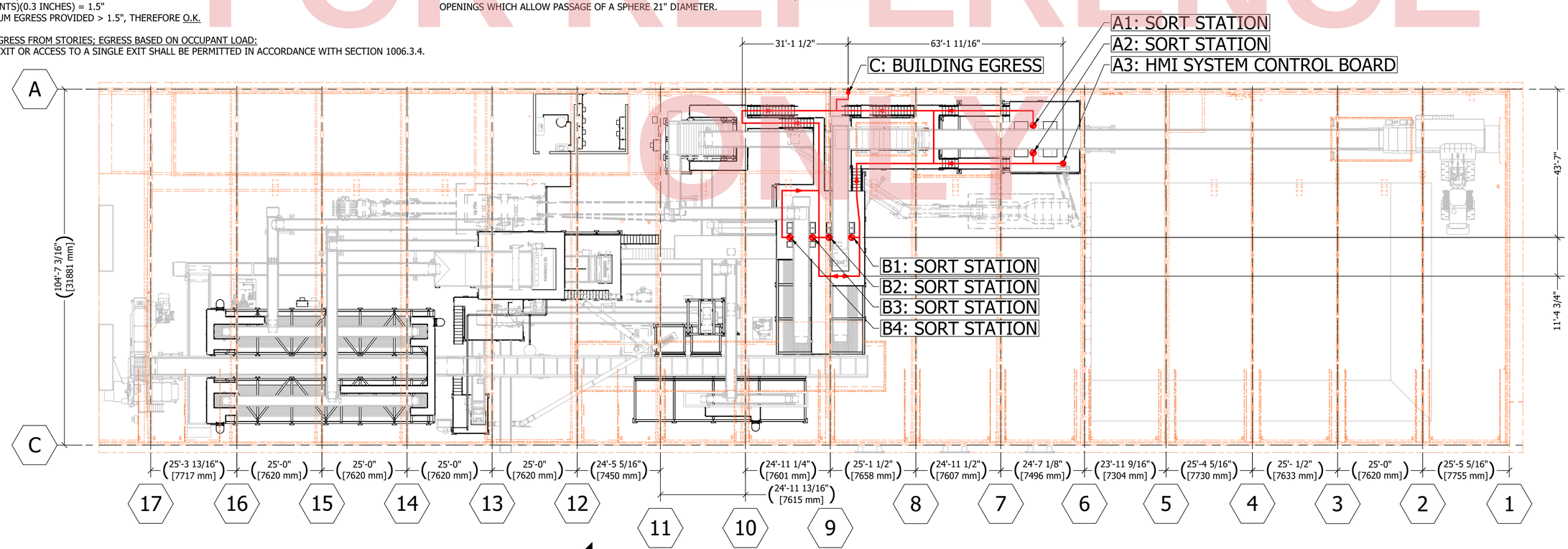
STATIONS B1, B2, B3, AND B4 HAVE TWO PATHS OF EGRESS:
STATION B1 COMMON PATH OF EGRESS: 0' < 100', O.K. (BOTH PATHS AVAILABLE AT STARTING POINT)
STATION B2 COMMON PATH OF EGRESS: 0' < 100', O.K. (BOTH PATHS AVAILABLE AT STARTING POINT)
STATION B3 COMMON PATH OF EGRESS: 0' < 100', O.K. (BOTH PATHS AVAILABLE AT STARTING POINT)
STATION B4 COMMON PATH OF EGRESS: 27' < 100', O.K.

1011.2 STAIRWAYS; WIDTH AND CAPACITY, EXCEPTION #1:
11 OCCUPANTS MAXIMUM < 50, 36" WIDTH OF STAIR O.K.

1015.4 OPENING LIMITATIONS, EXCEPTION #4:
IN AREAS THAT ARE NOT OPEN TO THE PUBLIC WITHIN OCCUPANCIES IN GROUP F, GUARDS SHALL NOT HAVE OPENINGS WHICH ALLOW PASSAGE OF A SPHERE 21" DIAMETER.



N
SITE PLAN VIEW
SCALE: 1/64"=1'-0"



N
TOOLING SUPPORT PLATFORM EGRESS
SCALE: 1/16" = 1'-0"

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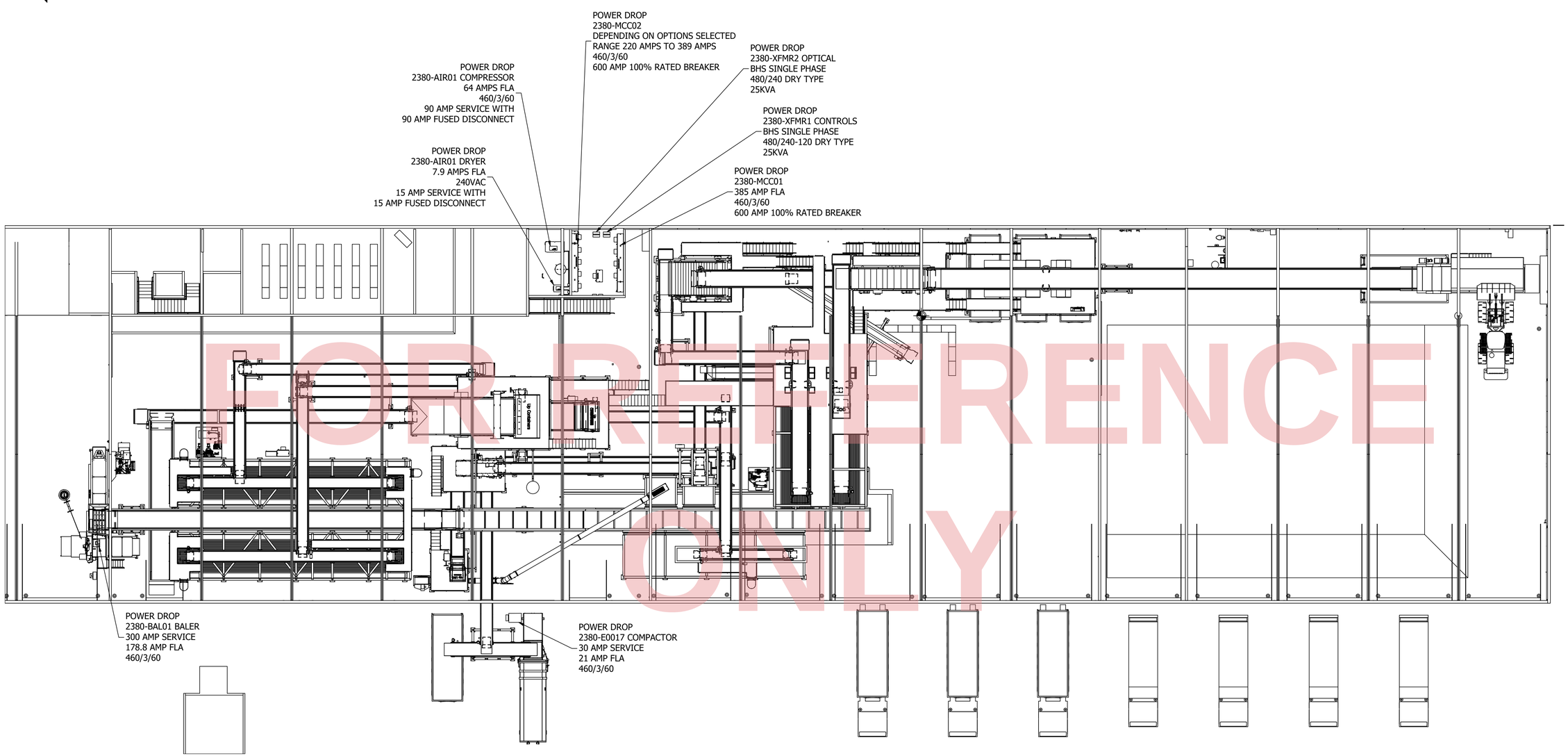
RESIDENTIAL SINGLE STREAM
DWG FILE: 2380 S1 PERMIT.dwg

REV #: **2**
DRAWING #: **S1-03**



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FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
1	PRELIMINARY CUSTOMER SUPPLIED POWER DROP DRAWING, NOT FOR CONSTRUCTION	CLM	1/23/2026

PROJECT#: 2380
AREA#:
EQUIP#:
SERIAL#:
MODEL#:
WEIGHT: N/A

DRAWING TITLE: **POWER DROP LAYOUT**

CLIENT: CITY OF GRAND JUNCTION
RESIDENTIAL SINGLE STREAM

LOCATION: GRAND JUNCTION, CO

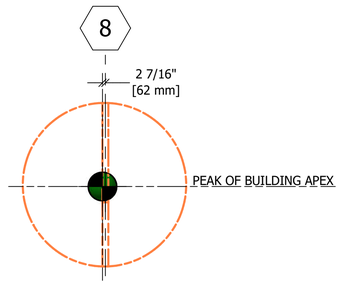
DWG FILE: 2380-L-401 ELECTRICAL POWER DROPS.dwg

REV #: **1**

DRAWING #: **L-401-1**

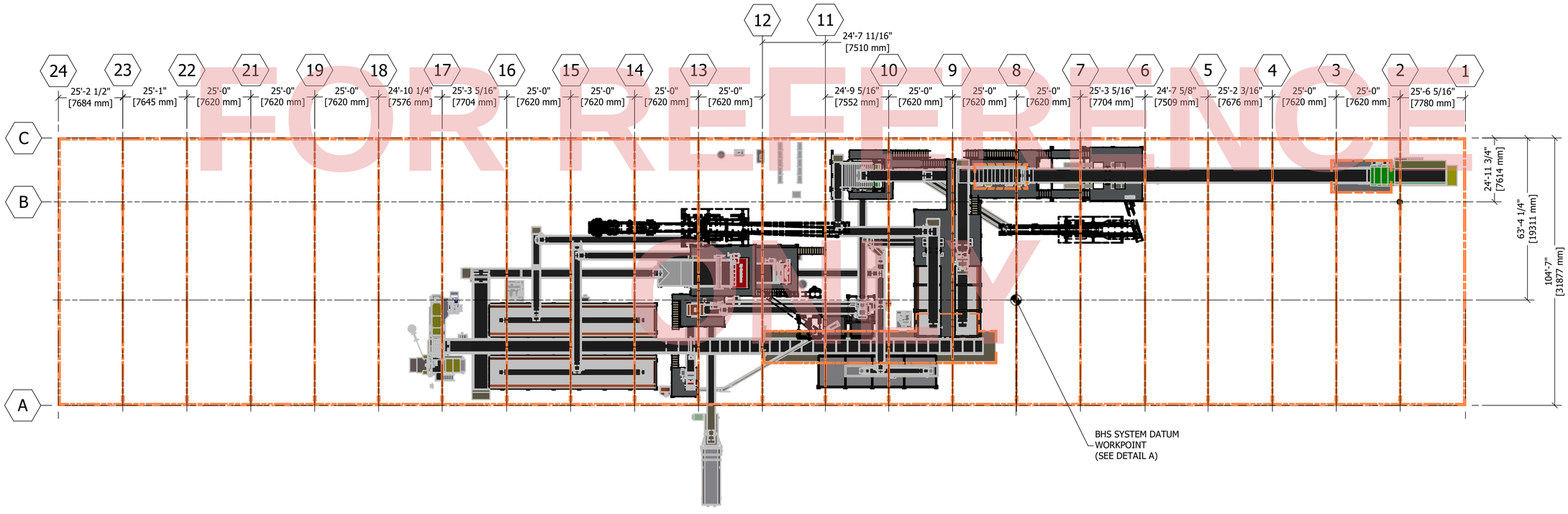
GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE SHOWN IN BLACK.
3. BHS SUPPLIED EQUIPMENT IN GRAY.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".



BHS DATUM

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



N

SYSTEM LAYOUT

SCALE: 3/64"=1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

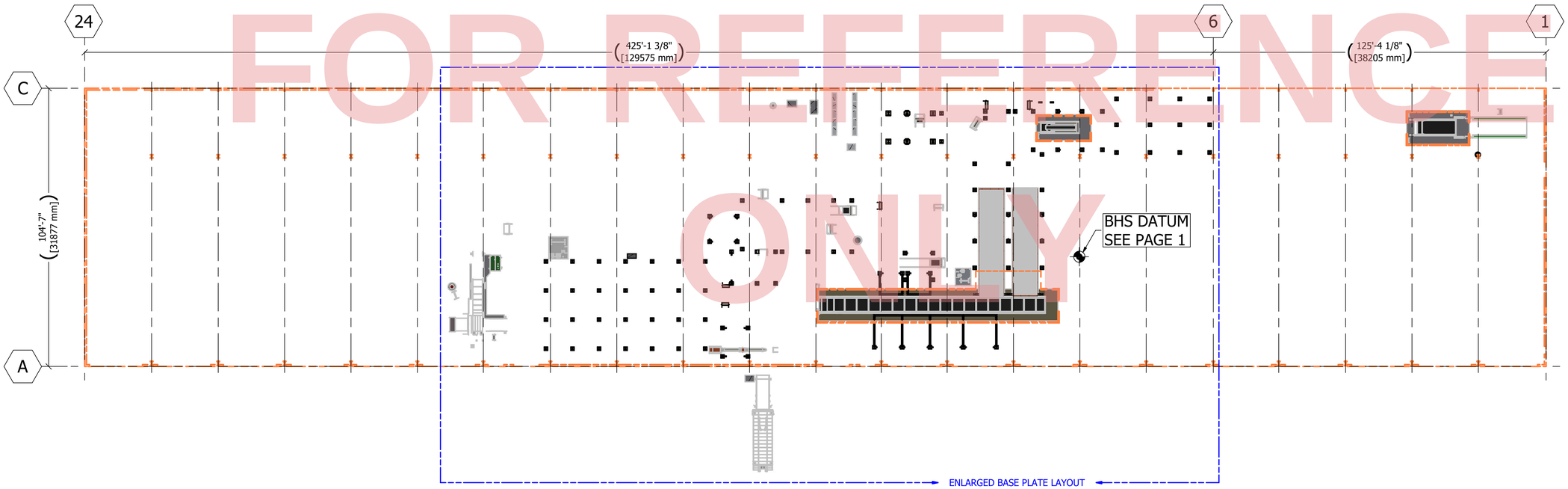
PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **A0**
DRAWING #: **L-603-1**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE SHOWN IN BLACK.
3. BHS SUPPLIED EQUIPMENT IN GRAY.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".



N

SYSTEM BASE PLATE LAYOUT

SCALE: 3/64"=1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

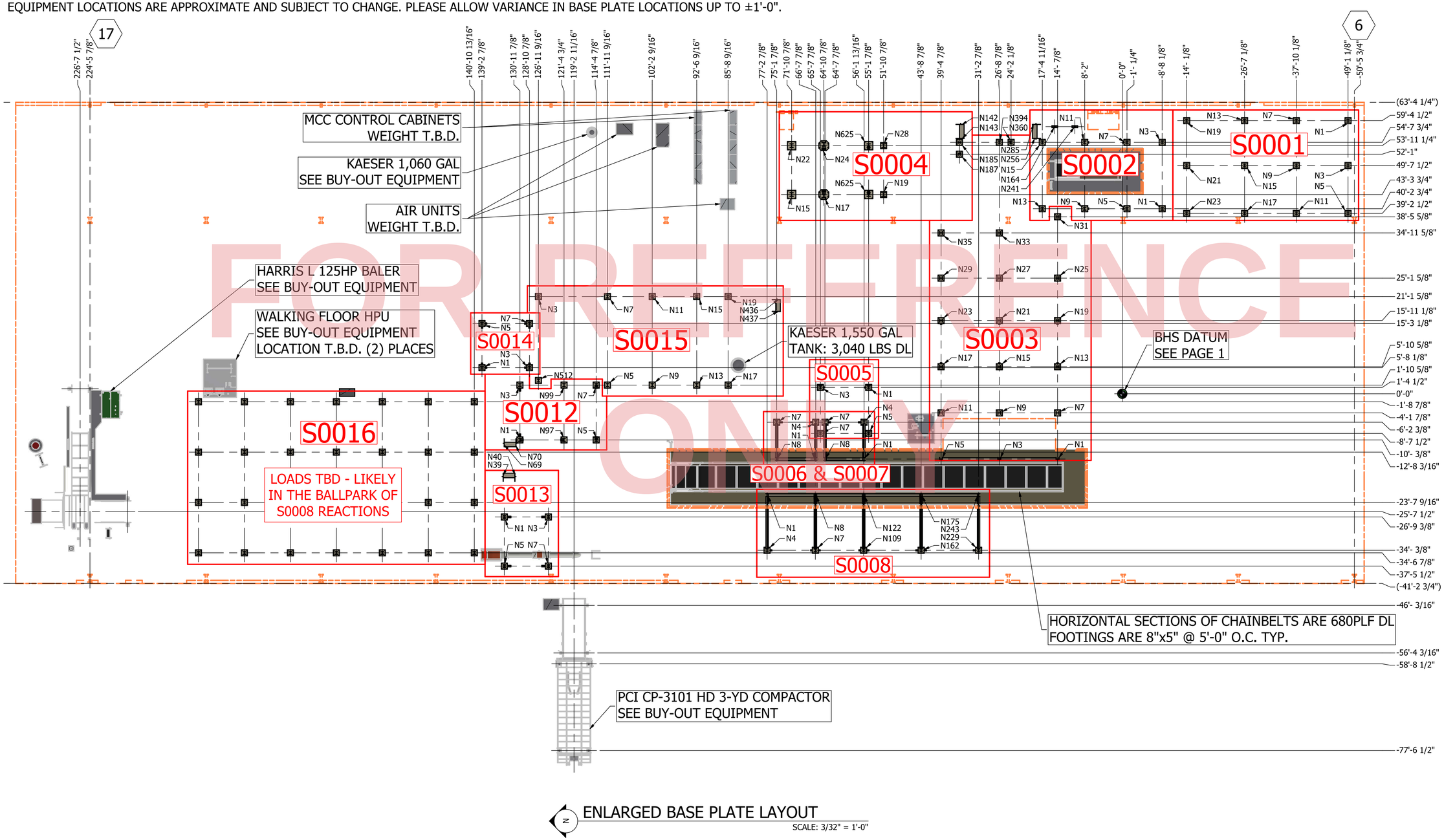
PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVITEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVITEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **A0**
DRAWING #: **L-603-2**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE SHOWN IN BLACK.
3. BHS SUPPLIED EQUIPMENT IN GRAY.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".



ENLARGED BASE PLATE LAYOUT

SCALE: 3/32" = 1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

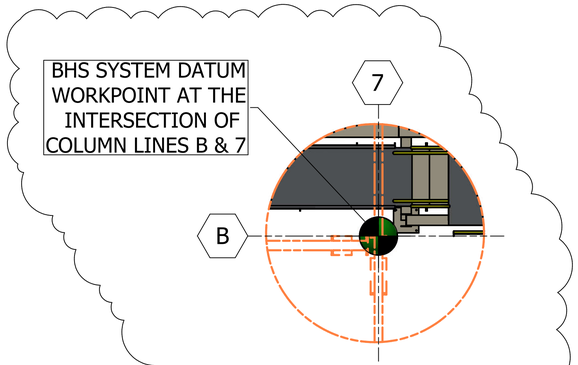
PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **A0**
DRAWING #: **L-603-3**

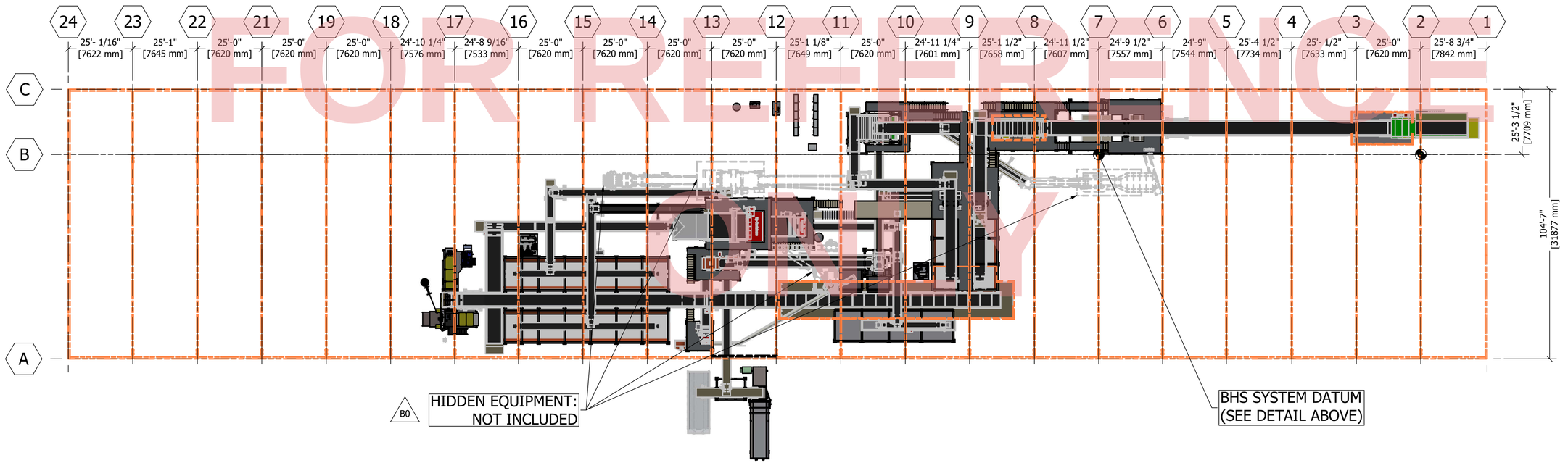
GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE AND HEAVY EQUIPMENT SHOWN IN BLACK. B0
3. BHS SUPPLIED EQUIPMENT IN GRAY.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".



BHS SYSTEM DATUM

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



SYSTEM LAYOUT: STRUCTURES AND HEAVY EQUIPMENT

SCALE: 3/64"=1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
B0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

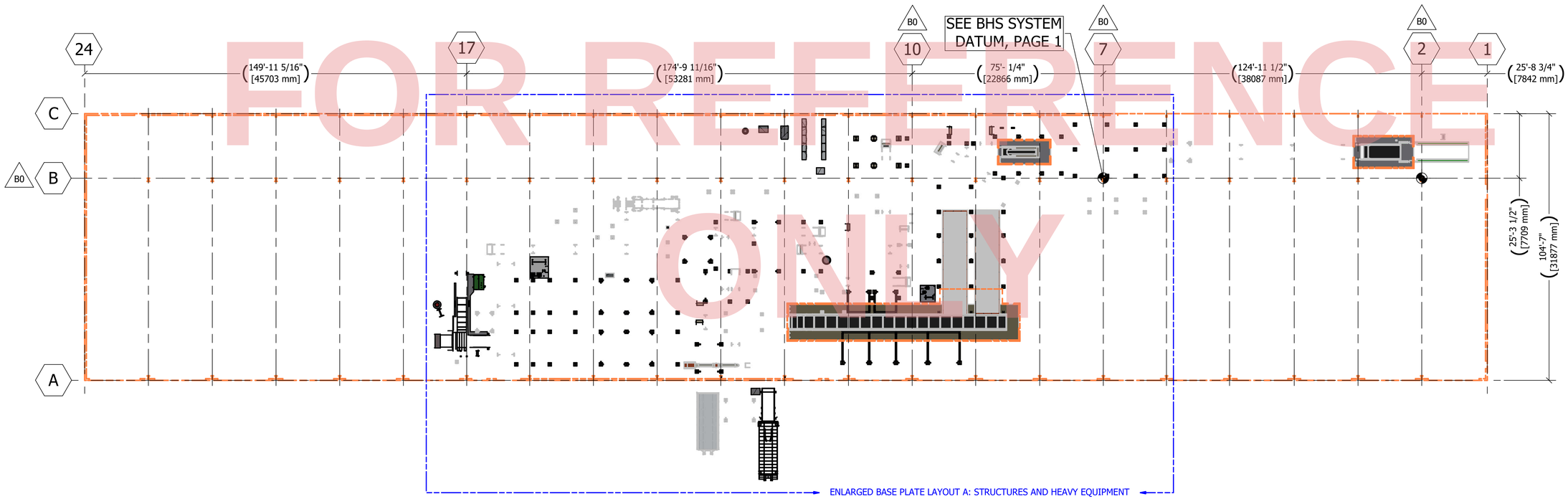
PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-1**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE AND HEAVY EQUIPMENT SHOWN IN BLACK. B0
3. BHS SUPPLIED EQUIPMENT IN GRAY.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".



N

SYSTEM BASE PLATE LAYOUT: STRUCTURES AND HEAVY EQUIPMENT

SCALE: 3/64"=1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
B0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-2**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE AND HEAVY EQUIPMENT SHOWN IN BLACK. B0
3. BHS SUPPLIED EQUIPMENT IN GRAY.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
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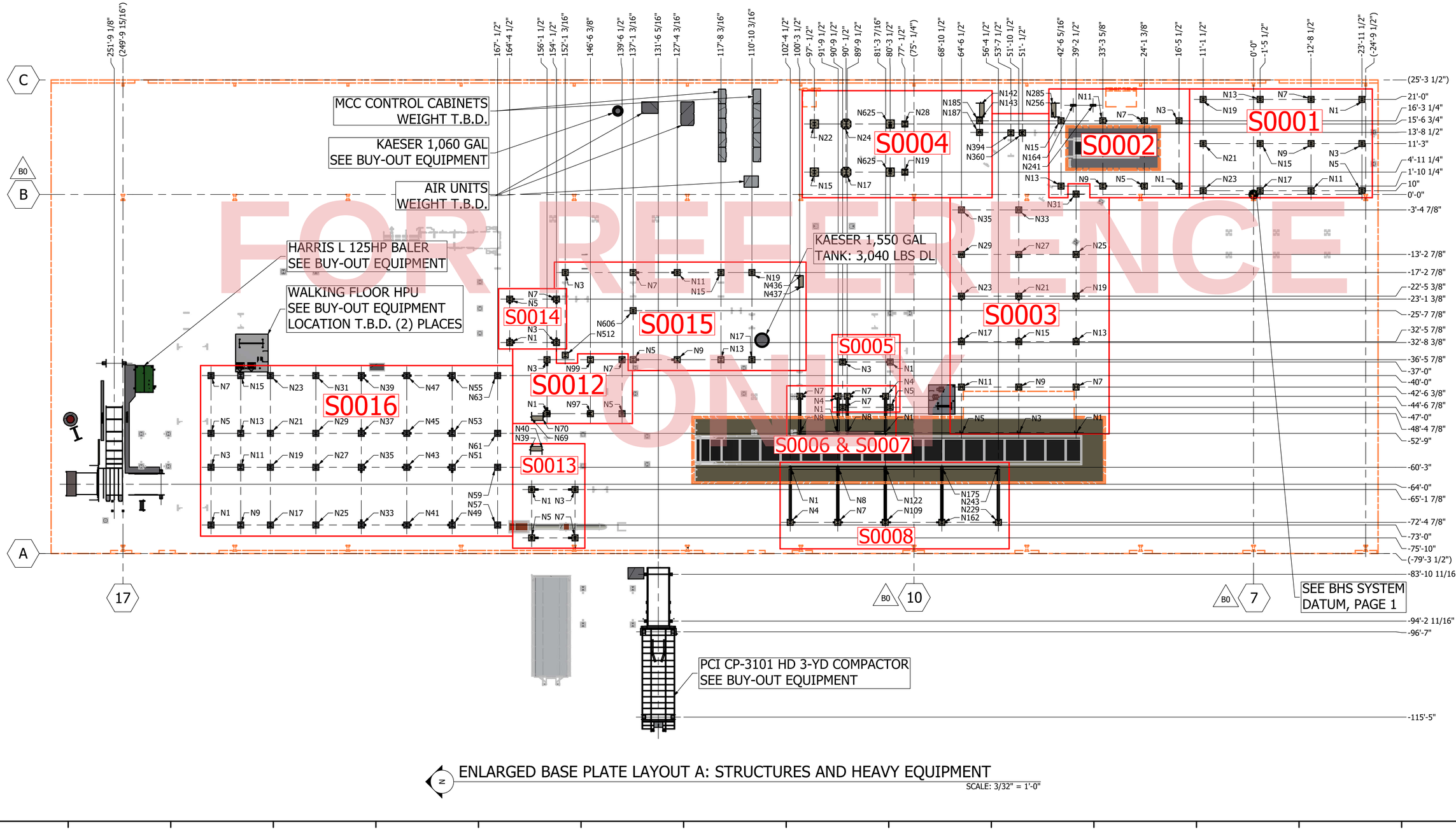
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".



ENLARGED BASE PLATE LAYOUT A: STRUCTURES AND HEAVY EQUIPMENT

SCALE: 3/32" = 1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
B0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

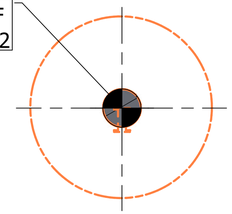
DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-3**

GENERAL NOTES:

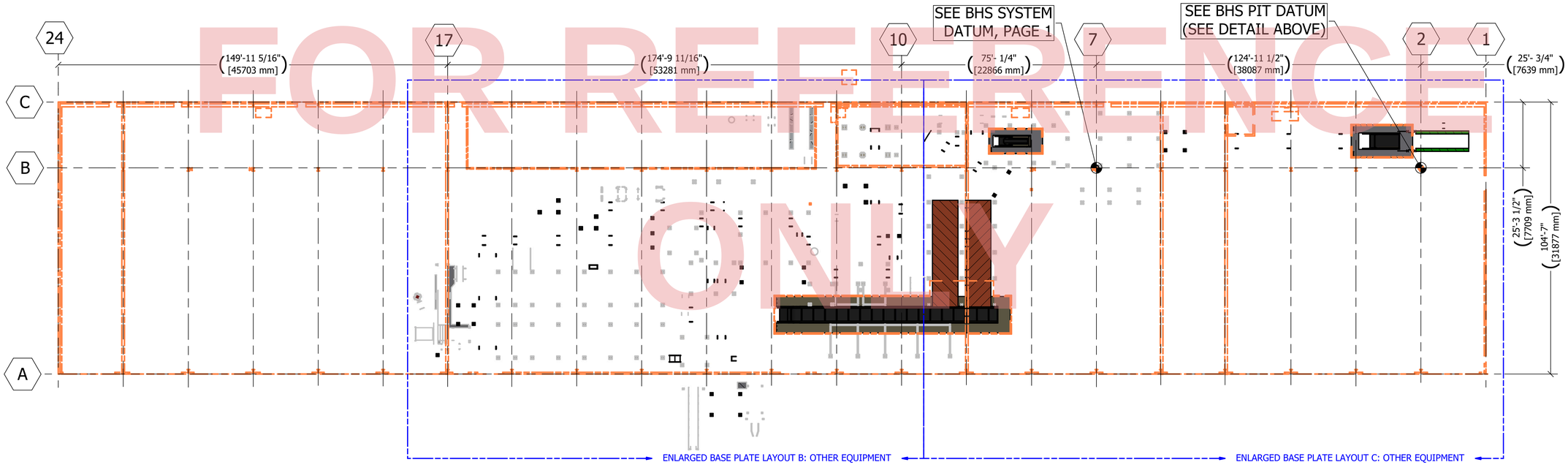
1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE AND HEAVY EQUIPMENT SHOWN IN GRAY.
3. BHS SUPPLIED EQUIPMENT IN BLACK.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".

BHS PIT DATUM WORKPOINT AT THE INTERSECTION OF COLUMN LINES B & 2



BHS PIT DATUM

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



SYSTEM BASE PLATE LAYOUT: OTHER EQUIPMENT

SCALE: 3/64"=1'-0"

BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
B0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

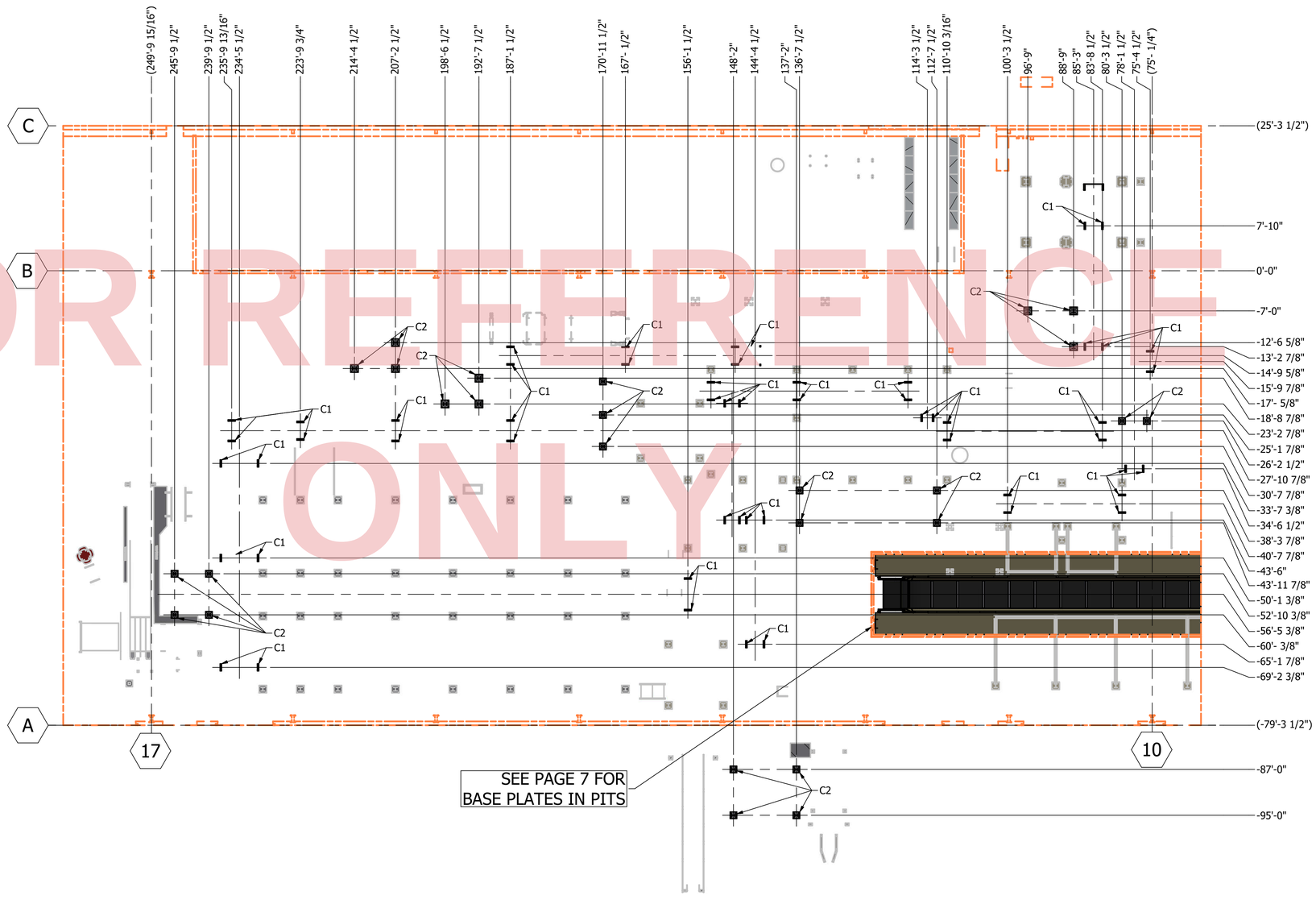
DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-4**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE AND HEAVY EQUIPMENT SHOWN IN GRAY.
3. BHS SUPPLIED EQUIPMENT IN BLACK.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
7. BHS IS NOT RESPONSIBLE FOR THE ENGINEERING, SUPPLY, INSTALLATION, OR MODIFICATION OF THE FOUNDATION SYSTEM. THESE DRAWINGS AND REACTIONS ARE INTENDED TO AID IN THE ENGINEERING OF THE BUILDING SLAB FOUNDATION.
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".

NODE	KIPS [1,000 LBS]
C1	< 3.0
C2	3 < 4.0



N ENLARGED BASE PLATE LAYOUT B: OTHER EQUIPMENT

SCALE: 3/32" = 1'-0"

BHS
BulkHandling SYSTEMS
BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025
B0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025

PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-5**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE AND HEAVY EQUIPMENT SHOWN IN GRAY.
3. BHS SUPPLIED EQUIPMENT IN BLACK.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
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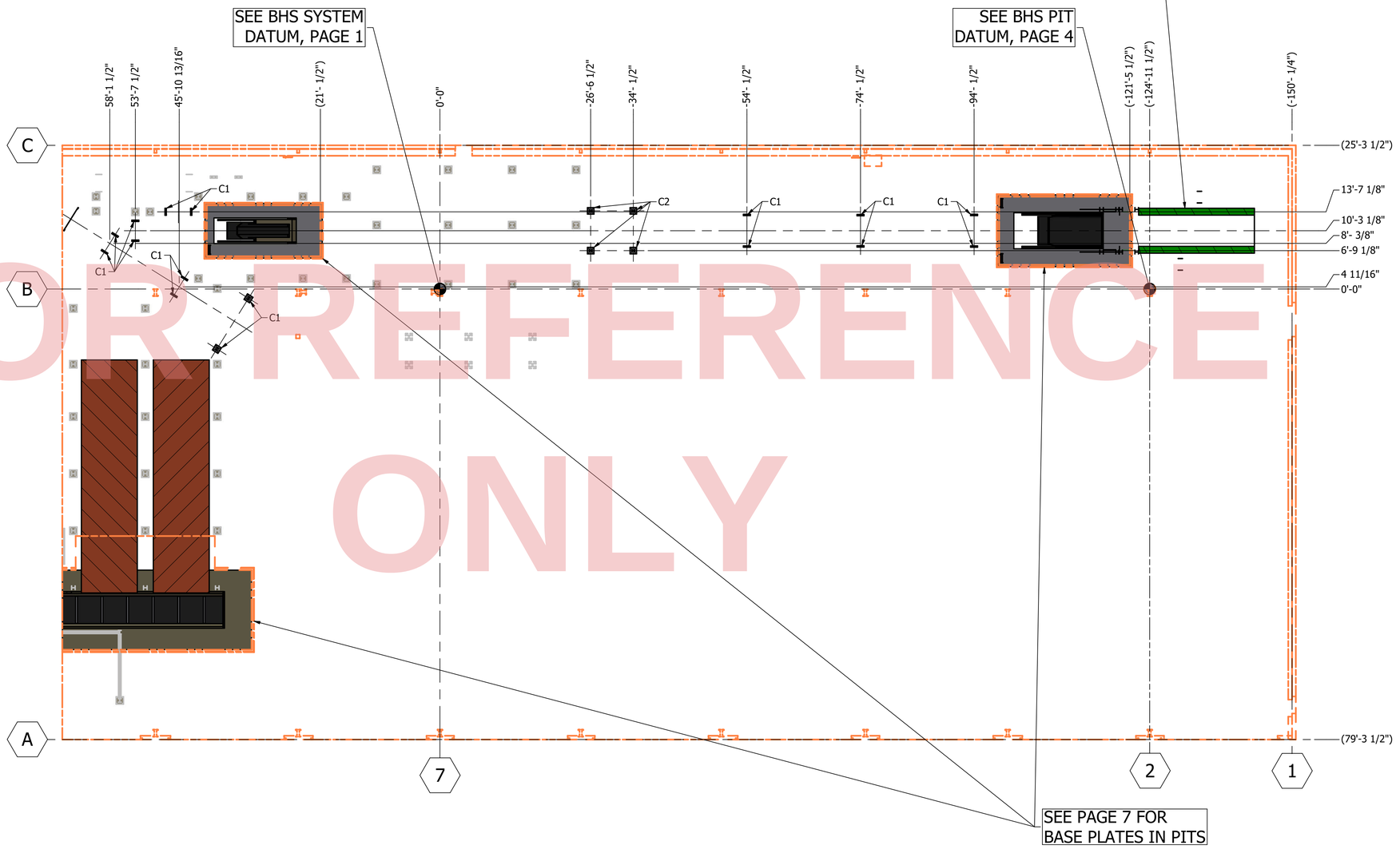
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".

30YD METERING BIN WEIGHT: **50,000 LBS**
NOTE: (2) FRONT SUPPORTS CURRENTLY NEED TO EITHER DROP DOWN INTO THE PIT, OR BE SUPPORTED OFF A BEAM TO THE INSIDE PIT WALL

NODE	KIPS [1,000 LBS]
C1	< 3.0
C2	3 < 4.0



ENLARGED BASE PLATE LAYOUT C: OTHER EQUIPMENT
SCALE: 3/32" = 1'-0"

BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
B0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025
A0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025

PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-6**

GENERAL NOTES:

1. BUILDING AND EXISTING EQUIPMENT SHOWN IN ORANGE.
2. BHS SUPPORT STRUCTURE SHOWN IN GRAY.
3. BHS SUPPLIED EQUIPMENT IN BLACK.
4. DIMENSIONS TO BUILDING COLUMN LINES ARE FOR REFERENCE ONLY, BASED ON THE ARCHITECTURAL DRAWINGS PROVIDED BY THE BLYTHE GROUP + CO. REVISION 10/30/2025.
5. NODE AND STRUCTURE NUMBERS CORRESPOND TO THE RISA-3D ANALYSIS APPENDED TO THIS SUBMITTAL.
6. BHS SUPPLIED EQUIPMENT BASE PLATES NOT IDENTIFIED IN THESE DRAWINGS HAVE REACTIONS BELOW 5,000 LBS (D+L LOAD CASE).
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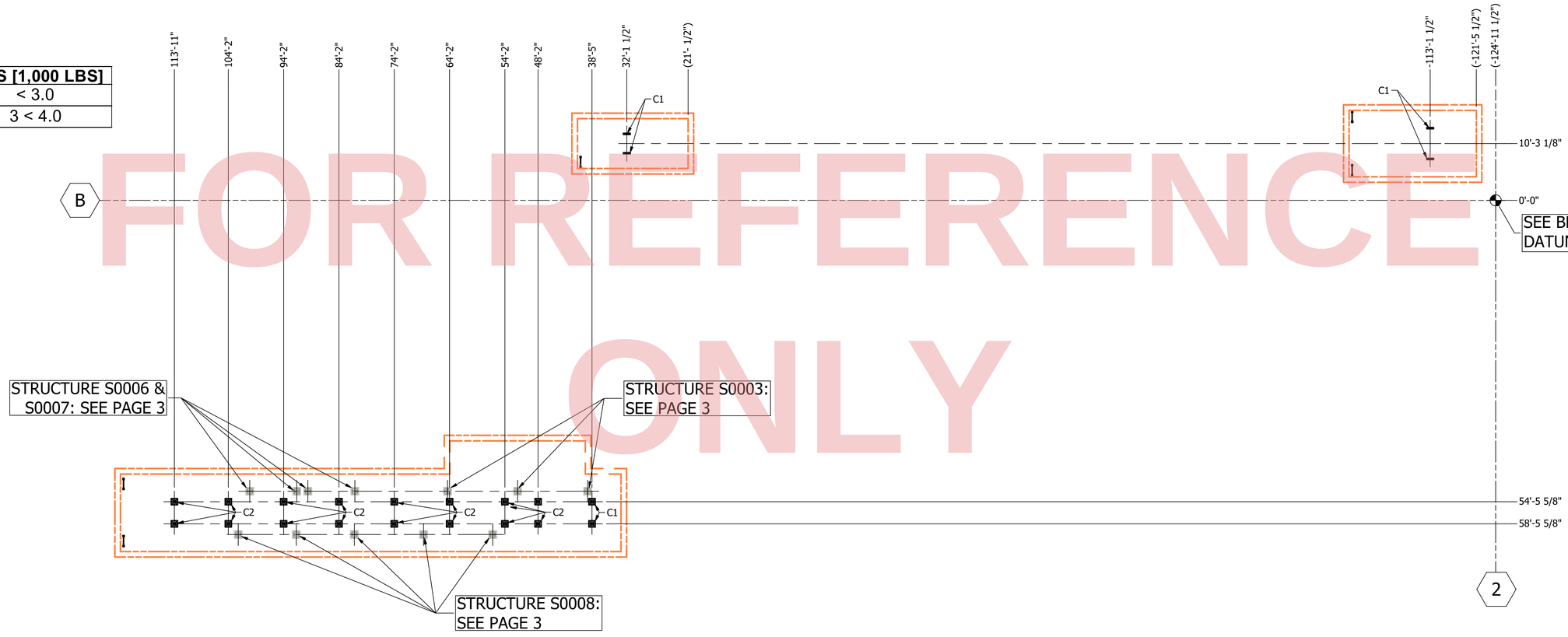
8. EQUIPMENT LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. PLEASE ALLOW VARIANCE IN BASE PLATE LOCATIONS UP TO ±1'-0".

NODE	KIPS [1,000 LBS]
C1	< 3.0
C2	3 < 4.0



N ENLARGED BASE PLATE LAYOUT D: EQUIPMENT IN PITS

SCALE: 3/32"=1'-0"

BULK HANDLING SYSTEMS
3592 WEST 5TH AVENUE
EUGENE, OR 97402
PHONE: (541) 485-0999
FAX: (541) 485-6341

REV	DESCRIPTION	DRN	DATE
B0	PRELIMINARY - ISSUED FOR INFORMATION ONLY	BWP	12/02/2025
A0	CONVEYOR INFORMATION ADDED	BWP	12/19/2025

PROJECT#: 2369
AREA#: N/A
EQUIP#: HEAVIEST
SERIAL#: N/A
MODEL#: SYSTEM
WEIGHT: N/A

DRAWING TITLE: **SYSTEM HEAVIEST BHS EQUIPMENT LAYOUT**
CLIENT: CITY OF GRAND JUNCTIONCITY OF SUNNYVALE
LOCATION: GRAND JUNCTION, CO.
DWG FILE: 2380-L-602-BASE PLATE REACTIONS.dwg

REV #: **B0**
DRAWING #: **L-603-7**