PORT OF TACOMA

MAINTENANCE MEZZANINE

PROJECT NO. 101140.01
CONTRACT NO. 070735

PORT COMMISSIONERS:

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JOHN WOLFE
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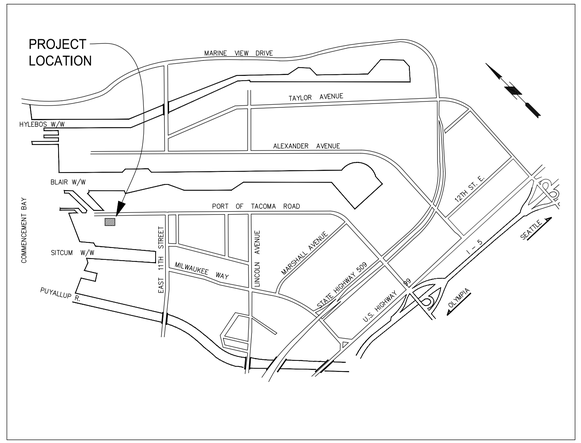

VICINITY MAP NO SCALE PORT OF TACOMA

DRAWING LIST

SHEET DESIGNATION	SHEET #	SHEET TITLE	REVISION
G1.1	1	COVER SHEET	0
A1.1	2	MAIN FLOOR PLAN	0
A1.2	3	MEZZANINE FLOOR PLAN	0
A1.3	4	MEZZANINE ELEVATION	0
S0.01	5	GENERAL STRUCTURAL NOTES	0
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FX1.1	11	FIRE PROTECTION MAIN FLOOR PLAN	0
E0.1	12	ELECTRICAL LEGEND AND FIXTURE SCHEDULE	0
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E2.1	14	LIGHTING FLOOR PLAN	0
E3.1	15	POWER AND FIRE ALARM FLOOR PLAN	0

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4330 REGISTERED ARCHITECT SCOTT G. MILLER STATE OF WASHINGTON

12-19-17
SGM CHECKED BY

APPROVED:

DIRECTOR ENG. DATE PROJ. ENGR

PRINTED BY: vecto Dec 22, 2017
PORT ADDRESS:1001 PORT OF TACOMA RD
TACOMA, WA 98421

MAINTENANCE MEZZANINE
COVER SHEET

6566 **G1.1** SH 1 OF 15

CONT/CONS: 070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
M. ID: 101140.01	DAT-HRZ: WA83-SF	VERT: MLLW 19.18' @ Tide 22 1933	
PHASE: BID SET	PARCEL: 2275200610	DRAWING SCALE: AS NOTED	

BINDING EDGE

PORT OF TACOMA FILE: C:\Users\vecto\OneDrive\Vector\Clients\04-Cardno\Maintenance Mezzanine\CAD\Sheet Files\MID 101140.01 COVER_MEZZ

MAIN FLOOR PLAN
SCALE: 3/16" = 1'-0"

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STATE OF WASHINGTON

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PROJ. ENGR DATE

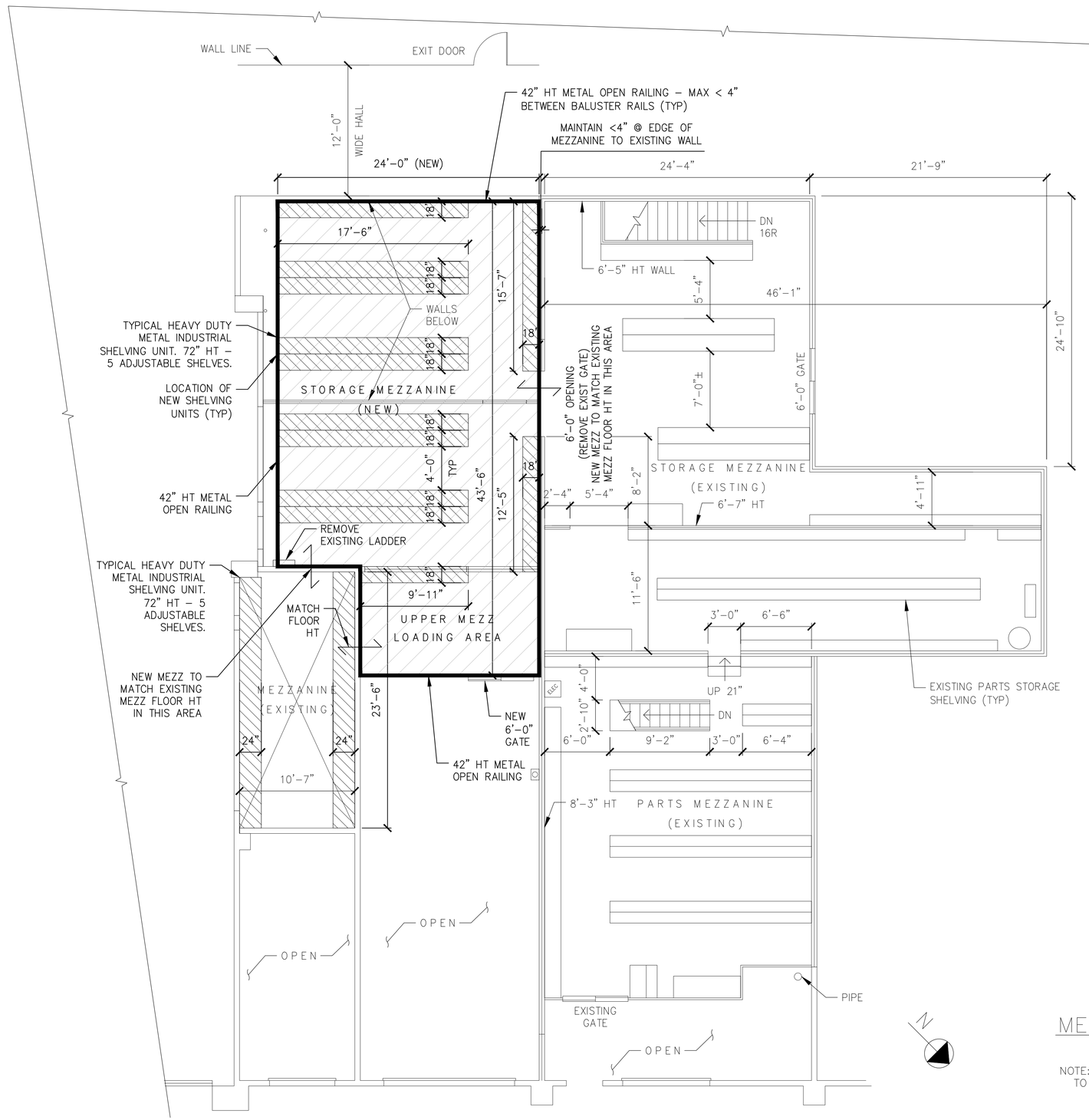
MAINTENANCE MEZZANINE

MAIN FLOOR PLAN

TOWNSHIP: 21N	RANGE: 3E	SECTION: 34	
DAT–HRZ: WA83–SF	VERT: MLLW 19.18' @ Tide 22 1933		
PARCEL: 2275200610	DRAWING SCALE: AS NOTED		

6566
A1.1
SH 2 OF 15

CONT/CONS:	070735
M. ID:	1011140.01
PHASE:	BID SET



MEZZANINE FLOOR PLAN

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

NOTE: MEZZANINE SUPPLIER AND CONTRACTOR TO VERIFY EXACT FLOOR HEIGHT OF NEW MEZZANINE BEFORE FABRICATION

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STATE OF WASHINGTON

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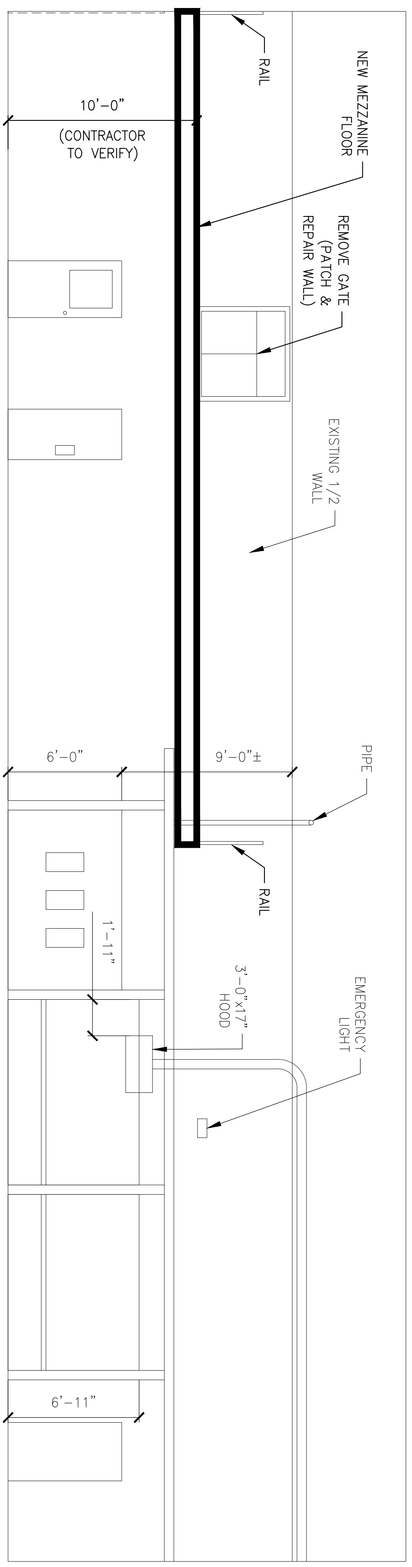
MAINTENANCE MEZZANINE

MEZZANINE FLOOR PLAN

DIRECTOR ENG.	DATE	PROJ. ENGR		DATE
PRINTED BY: vecto		CHECKED BY	SGM	12-19-17
PORT ADDRESS:1001 PORT OF TACOMA RD				
TACOMA, WA 98421				

6566
A1.2
SH 3 OF 15

CONT/CONS:	070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
M. ID:	101140.01	DAT-HRZ: WA83-SF	VERT: MLLW 19.18' @ Tide 22 1933	
PHASE:	BID SET	PARCEL: 2275200610	DRAWING SCALE: AS NOTED	



NW INTERIOR ELEVATION

SCALE: ¼" = 1'-0"

6566	**MAINTENANCE MEZZANINE**			APPROVED:	SGM 12-19-17				
A1.3	**MEZZANINE ELEVATION**				CHECKED BY DATE				
SH 4 OF 15				DIRECTOR ENG. DATE	PROJ. ENGR DATE				
CONT/CONS: 070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34	PRINTED BY: vecto Dec 22, 2017			MARK:	REVISION:	BY: APPR: DATE:
M. ID: 101140.01	DAT-HRZ: WA83-SF	VERT: MLLW 19.18' @ Tide 22 1933		PORT ADDRESS: 1001 PORT OF TACOMA RD					
PHASE: BID SET	PARCEL: 2275200610	DRAWING SCALE: AS NOTED		TACOMA, WA 98421					

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BINDING EDGE

11. STATEMENT OF SPECIAL INSPECTIONS

IBC	SI	SO	TITLE
1705.1.1	✓	✓	SPECIAL CASES (SEE FOLLOWING NOTES FOR EXTENT)
1705.2	✓	✓	STEEL CONSTRUCTION (SEE TABLES 15A, 15B, 15C, 15D, AND 15E)
1705.11.1	✓	✓	STRUCTURAL WOOD - WIND FORCE RESISTING SYSTEM (SEE TABLE 17)

SI =SPECIAL INSPECTION
SO =STRUCTURAL OBSERVATION
✓ =ITEM IS REQUIRED
N/R =ITEM IS NOT REQUIRED

SPECIAL INSPECTIONS INDICATED ARE FOR STRUCTURAL ELEMENTS ONLY. SEE ARCH, MECH AND ELEC DRAWINGS FOR ADDITIONAL SPECIAL INSPECTIONS.

11.1 INSPECTION/TESTING REQUIREMENTS:

SEE DRAWINGS, SPECIFICATIONS, AND IBC SECTIONS 110, AND CHAPTER 17.

11.2 INSPECTIONS BY THE BUILDING OFFICIAL (IBC SECTION 110):

11.2.3 FRAMING INSPECTIONS SHALL BE MADE AFTER ALL SHEATHING, FRAMING, BLOCKING AND BRACING ARE COMPLETE AND ALL PIPES, DUCTS, ELECTRICAL, PLUMBING, ETC., ARE INSTALLED AND APPROVED PRIOR TO COVER.

11.2.4 IN ADDITION TO THE INSPECTIONS SPECIFIED ABOVE, THE BUILDING OFFICIAL IS AUTHORIZED TO MAKE OR REQUIRE OTHER INSPECTIONS OF ANY CONSTRUCTION WORK TO ASCERTAIN COMPLIANCE WITH THE PROVISIONS OF THE IBC OR OTHER LAWS ENFORCED BY THE BUILDING OFFICIAL.

11.3 STRUCTURAL TESTS AND SPECIAL INSPECTIONS (IBC CHAPTER 17):

11.3.1 SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

11.3.2 STRUCTURAL TESTS AND SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE IBC AS WELL AS ANY ADDITIONAL REQUIREMENTS OF THE BUILDING OFFICIAL. OMISSION FROM THE LIST BELOW OF TESTING AND INSPECTION REQUIREMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING TESTING AND INSPECTION REQUIRED BY THE SPECIFICATIONS, THE IBC AND THE BUILDING OFFICIAL.

11.3.3 TESTING AND SPECIAL INSPECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE IBC FOR THE ITEMS LISTED IN THIS SECTION.

11.4 STRUCTURAL OBSERVATION

11.4.1 STRUCTURAL OBSERVATION SHALL BE PERFORMED DURING CONSTRUCTION IN A MANNER AS REQUIRED TO BECOME GENERALLY FAMILIAR WITH THE IN PLACE CONSTRUCTION.

11.4.2 STRUCTURAL OBSERVATION EXTENT SHALL BE AS INDICATED ABOVE. TIMING AND DURATION OF OBSERVATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR DURING CONSTRUCTION.

11.4.3 CONSTRUCTION OBSERVATION REPORTS AND FINDINGS SHALL NOT BE VIEWED AS A WARRANTY OR GUARANTEE BY THE STRUCTURAL ENGINEER.

11.5 SPECIAL INSPECTOR: SHALL BE CURRENTLY WABO CERTIFIED AND UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.

11.5.1 THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.

11.5.2 THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, ENGINEER OF RECORD, ARCHITECT OF RECORD, AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION, THEN, IF NOT IN CONFORMANCE, TO THE PROPER DESIGN AUTHORITY AND BUILDING OFFICIAL.

11.5.3 THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC. THE REPORT SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

13. REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

IBC TABLE 1705.3				
SPECIAL INSPECTION OR TEST TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:				
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	✓	N/R	ACI 318: 17.8.2.4	-
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 1A	N/R	✓	ACI 318: 17.8.2	-

13.1 CONCRETE: SPECIAL INSPECTION AND TESTING PER IBC TABLE 1705.3 AS NOTED IN TABLE 13, INCLUDING:

13.1.5 SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC.).

15A. REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - CONSTRUCTION INSPECTION OF WELDING

SPECIAL INSPECTION OR TEST TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD
AISC 360 TABLE N5.4-1			
1. PRIOR TO WELDING, VERIFY AND INSPECT THE FOLLOWING:			
A. WELDING PROCEDURE SPECIFICATIONS (WPS)	✓	N/R	-
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES	✓	N/R	AISC 360 A3.5
C. MATERIAL IDENTIFICATION OF STRUCTURAL STEEL MEMBERS	N/R	✓	AISC 360 A3.1
D. WELDER IDENTIFICATION SYSTEM	N/R	✓	–
E. FIT-UP OF GROOVE WELDS, INCLUDING JOINT GEOMETRY	N/R	✓	–
1) JOINT PREPARATION			
2) DIMENSIONS: ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL			
3) CLEANLINESS: CONDITION OF STEEL SURFACES			
4) TACKING: TACK WELD QUALITY AND LOCATION			
5) BACKING TYPE AND FIT (IF APPLICABLE)			
F. CONFIGURATION AND FINISH OF ACCESS HOLES	N/R	✓	–
G. FIT-UP OF FILLET WELDS	N/R	✓	–
1) DIMENSIONS: ALIGNMENT, GAPS AT ROOT			
2) CLEANLINESS: CONDITION OF STEEL SURFACES			
3) TACKING: TACK WELD QUALITY AND LOCATION			
H. CHECK WELDING EQUIPMENT	N/R	✓	–
AISC 360 TABLE N5.4-2			
2. DURING WELDING, VERIFY AND INSPECT THE FOLLOWING:			
A. USE OF QUALIFIED WELDERS	N/R	✓	-
B. CONTROL AND HANDLING OF WELDING CONSUMABLES	N/R	✓	-
1) PACKAGING			
2) EXPOSURE CONTROL			
C. NO WELDING OVER CRACKED TACK WELDS	N/R	✓	-
D. ENVIRONMENTAL CONDITIONS	N/R	✓	-
1) WIND SPEED WITHIN LIMITS			
2) PRECIPITATION AND TEMPERATURE			
E. WELDING PROCEDURE SPECIFICATIONS FOLLOWED	N/R	✓	-
1) SETTINGS ON WELDING EQUIPMENT			
2) TRAVEL SPEED			
3) SELECTED WELDED MATERIALS			
4) SHIELDING GAS TYPE AND FLOW RATE			
5) PREHEAT APPLIED			
6) INTERPASS TEMPERATURE MAINTAINED			
7) PROPER POSITION			
F. WELDING TECHNIQUES	N/R	✓	-
1) INTERPASS AND FINAL CLEANING			
2) EACH PASS WITHIN PROFILE LIMITATIONS			
3) EACH PASS MEETS QUALITY REQUIREMENTS			
AISC 360 TABLE N5.4-3			
3. AFTER WELDING, VERIFY AND INSPECT THE FOLLOWING:			
A. WELDS CLEANED	N/R	✓	-
B. SIZE, LENGTH, AND LOCATION OF WELDS	✓	N/R	-
C. WELDS MEET VISUAL ACCEPTANCE CRITERIA	✓	N/R	-
1) CRACK PROHIBITION			
2) WELD TO BASE METAL FUSION			
3) CRATER CROSS SECTION			
4) WELD PROFILES			
5) WELD SIZE			
6) UNDERCUT			
7) POROSITY			
D. ARC STRIKES	✓	N/R	-
E. k-AREA	✓	N/R	-
F. BACKING REMOVED AND WELD TABS REMOVED, IF REQUIRED	✓	N/R	-
G. REPAIR ACTIVITIES	✓	N/R	-
H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	✓	N/R	-

15B. REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - CONSTRUCTION INSPECTION OF BOLTING

SPECIAL INSPECTION OR TEST TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD
AISC 360 TABLE N5.6-1			
1. PRIOR TO BOLTING, VERIFY AND INSPECT THE FOLLOWING:			-
A. MANUFACTURER'S CERTIFICATIONS FOR FASTENER MATERIALS	✓	N/R	-
B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	N/R	✓	-
C. PROPER FASTENER SELECTED FOR JOINT DETAIL	N/R	✓	AISC 360 A3.1
D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	N/R	✓	-
E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITIONS AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	N/R	✓	-
F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	✓	N/R	-
G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	N/R	✓	-
AISC 360 TABLE N5.6-2			
2. DURING BOLTING, VERIFY AND INSPECT THE FOLLOWING:			
A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	N/R	✓	-
B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	N/R	✓	-
C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	N/R	✓	-
D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	N/R	✓	-
AISC 360 TABLE N5.6-3			
3. AFTER BOLTING, VERIFY AND INSPECT THE FOLLOWING:			
A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	✓	N/R	-

15.1 STRUCTURAL STEEL CONSTRUCTION:

SPECIAL INSPECTION AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS SHALL BE IN ACCORDANCE WITH THE QUALITY CONTROL AND QUALITY ASSURANCE REQUIREMENTS OF AISC 360, AS NOTED IN TABLES 15A, 15B, 15C, AND AWS D1.1, INCLUDING:

15.1.1 INSPECTION OF ERECTED STEEL SYSTEM.

15.1.2 REVIEW OF MATERIAL TEST REPORTS AND CERTIFICATIONS FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

15.1.3 OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE AS FOLLOWS:

A. VERIFY THAT WELD FILLER MATERIAL AND MANUFACTURER'S CERTIFICATE OF COMPLIANCE CONFORM TO AWS SPECIFICATION SPECIFIED. VERIFY WELDERS ARE CERTIFIED BY WABO, THAT PROPER ELECTRODES IN OVEN DRY CONDITIONS ARE USED, AND THAT PROPER METHODS AND PREPARATIONS ARE USED.

B. PERIODIC SPECIAL INSPECTION OF WELDING SHALL BE PERFORMED FOR SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16" AND FLOOR AND DECK WELDS.

C. CONTINUOUS SPECIAL INSPECTION OF WELDING SHALL BE PERFORMED ON COMPLETE AND PARTIAL PENETRATION GROOVE WELDS AND FILLET WELDS GREATER THAN 5/16".

D. ALL WELDS SHALL BE CHECKED VISUALLY.

E. ALL SHOP AND FIELD WELDING SHALL BE SUBJECT TO INSPECTION BY A WABO CERTIFIED WELDING INSPECTOR EMPLOYED BY THE OWNER. THE INSPECTOR SHALL UTILIZE RADIOGRAPHIC, ULTRASONIC, OR MAGNETIC PARTICLE TESTING AND ANY OTHER AID TO VISUAL INSPECTION THAT MAY BE DEEMED NECESSARY TO ASSURE THE ADEQUACY OF WELDING. THE OWNER SHALL CARRY OUT TESTING AND INTERPRETATION AT ANY STAGE AFTER WELDING.

F. 10% OF ALL FILLET WELDS SHALL BE CHECKED BY MAGNETIC PARTICLE TESTING.

G. 100% OF ALL COMPLETE PENETRATION WELDS SHALL BE CHECKED BY ULTRASONIC TESTING.

H. ALL WELDS FOUND DEFECTIVE AND REPAIRED SHALL BE REINSPECTED BY THE SAME METHOD ORIGINALLY USED. THE COST OF REPAIR AND REINSPECTION SHALL BE BORNE BY THE CONTRACTOR.

I. STANDARDS FOR ACCEPTANCE SHALL BE AS GIVEN IN AWS D1.1.

15.1.4 OBSERVATION OF BOLTING OPERATIONS.

15.1.5 CONTINUOUS SPECIAL INSPECTION SHALL BE PERFORMED FOR EACH JOINT OR MEMBER. PERIODIC SPECIAL INSPECTION SHALL BE PERFORMED ON ITEMS ON A RANDOM BASIS. PERIODIC SPECIAL INSPECTION NEED NOT DELAY FABRICATION OR ERECTION OPERATIONS.

15.1.9 EPOXY ANCHORS: SPECIFIC REQUIREMENTS FOR INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE OR MASONRY SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC.).

15.1.10 EXPANSION ANCHORS: SPECIFIC REQUIREMENTS FOR INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE OR MASONRY SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC.).

15.2 ADDITIONAL REQUIRED SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE PER IBC SECTION 1705.12.

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MARK:	REVISION:	BY:	APPR:	DATE:

DAVID L. BOOTH — STATE OF WASHINGTON — 20666 — REGISTERED PROFESSIONAL ENGINEER

DRAWN: JFS	12/19/17	APPROVED:	
CHECKED BY: JFS	12/19/17	DIRECTOR ENG. DATE	
ENG. DATE	PROJ. ENGR	PRINTED BY: C:\elgen Dec 13, 2017	
BY: C:\elgen Dec 13, 2017		PORT ADDRESS:ONE SITCUM PLAZA	
ADDRESS:ONE SITCUM PLAZA		TACOMA, WA 98401-1837	
TACOMA, WA 98401-1837			

MAINTENANCE MEZZANINE AND SHED HEATING

GENERAL STRUCTURAL NOTES

CONT/CONS: 070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
M. ID: 101140.01	DAT-HRZ: WA 83-SF	VERT: MLLW 19.18 @ TIDE 22, 1933	
PHASE: BID SET	PARCEL: 27	DRAWING SCALE: AS NOTED	

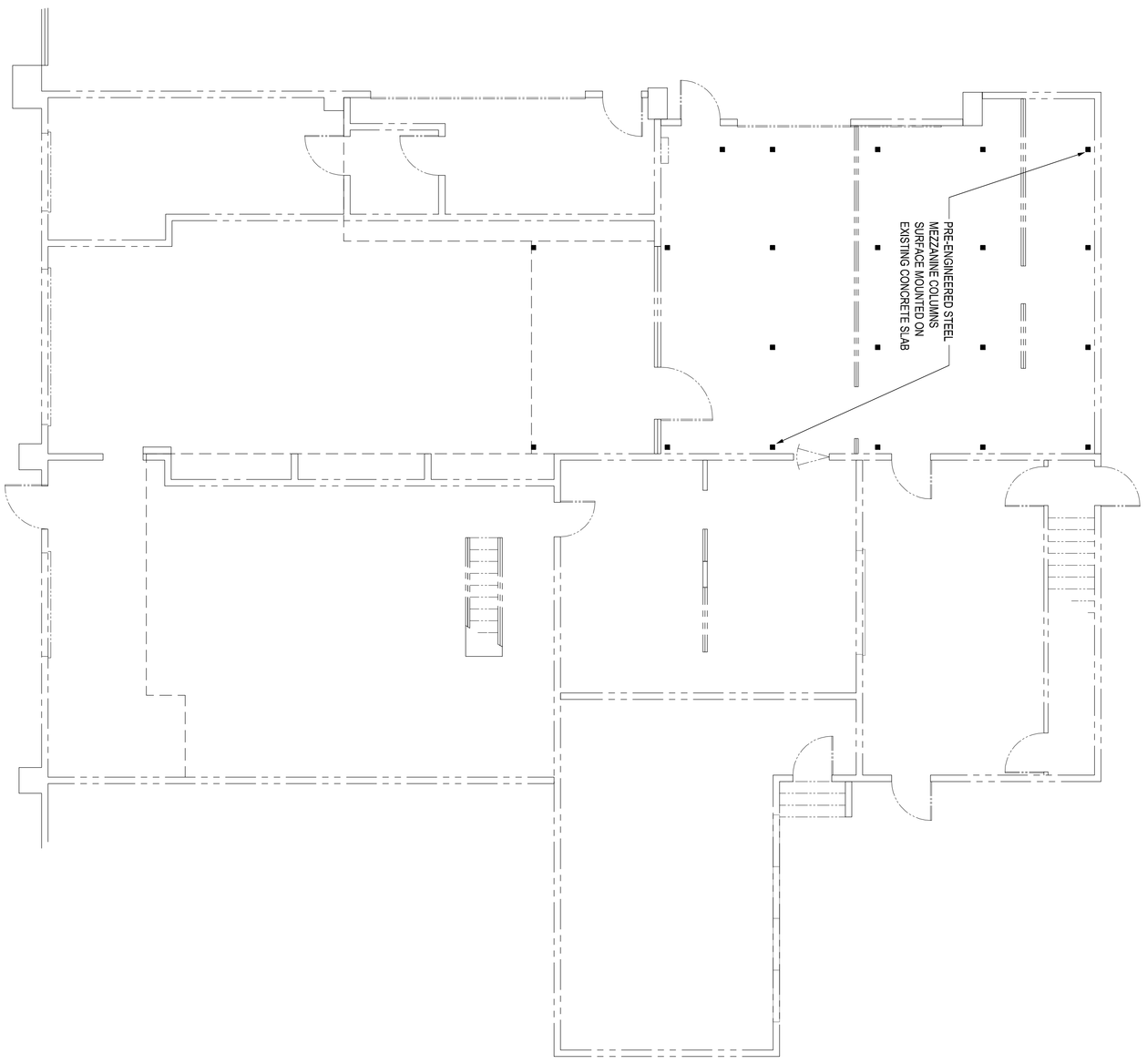
6566

S0.01

SH 5 OF 14

MEZZANINE FOUNDATION PLAN

3/16" = 1'-0"



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6566 **S1.01** SH 6 OF 14	**MAINTENANCE MEZZANINE AND SHED HEATING** **MEZZANINE FOUNDATION PLAN**			APPROVED:	JFS 12/19/17 CHECKED BY DATE	DANIEL L. BOOTH STATE OF WASHINGTON 21466 STRUCTURAL ENGINEER PROFESSIONAL ENGINEER	AHBL 2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX 2160768.20
					JFS 12/19/17		
CONT/CONS: 070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34	DIRECTOR ENG. DATE	PROJ. ENGR DATE		
M. ID: 101140.01	DAT-HRZ: WA 83-SF	VERT: MLLW 19.18 @ TIDE 22, 1933		PRINTED BY: CTeigen Dec 13, 2017			
PHASE: BID SET	PARCEL: 27	DRAWING SCALE: AS NOTED		PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837			

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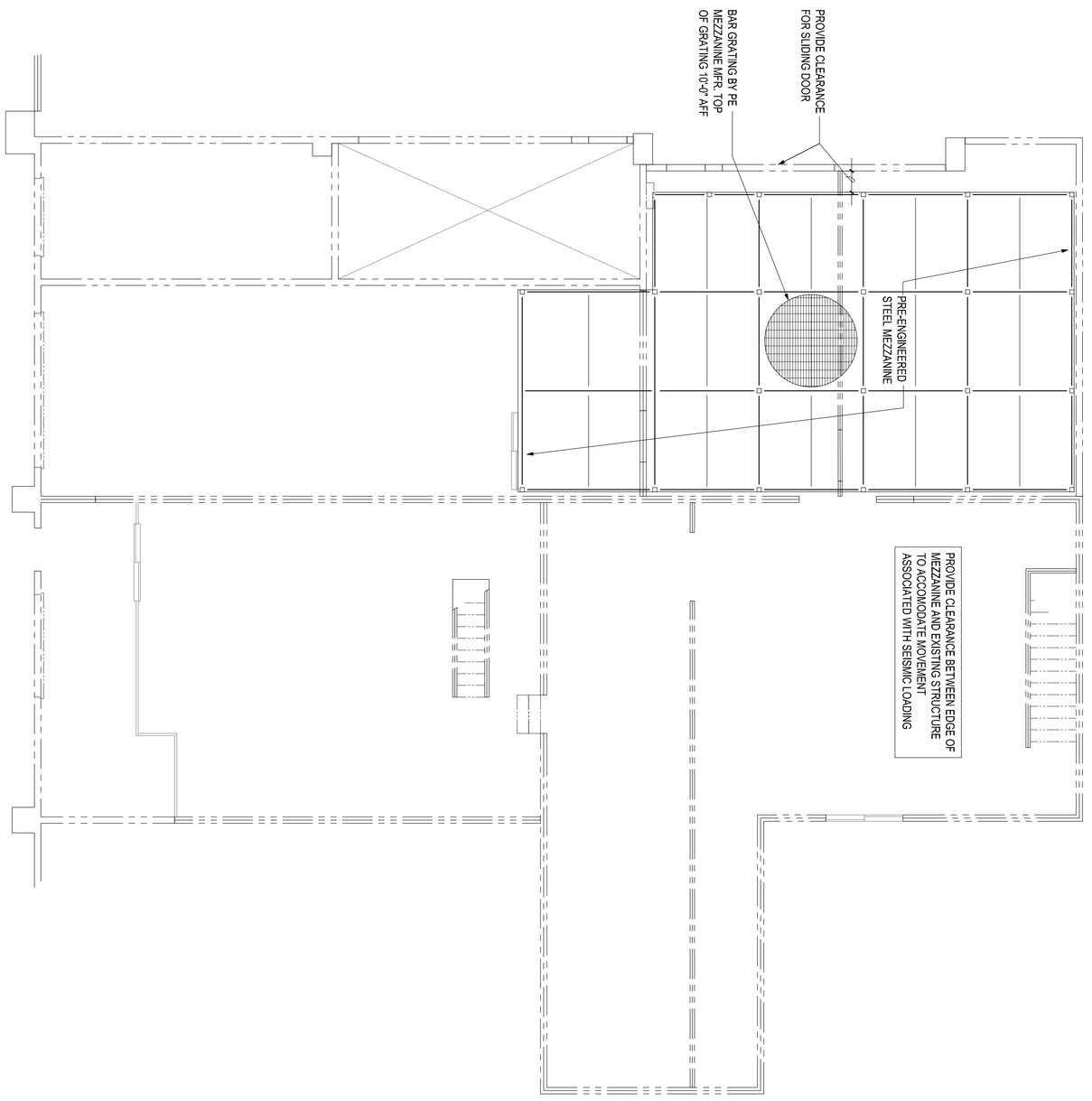
MEZZANINE FRAMING PLAN

3/16" = 1'-0"



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6566	**MAINTENANCE MEZZANINE AND SHED HEATING**			APPROVED:	JFS 12/19/17		
S1.02	**MEZZANINE FRAMING PLAN**				CHECKED BY DATE		
SH 7 OF 14					JFS 12/19/17		
				DIRECTOR ENG. DATE	PROJ. ENGR DATE		
CONT/CONS: 070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34	PRINTED BY: CTeigen Dec 13, 2017			
M. ID: 101140.01	DAT-HRZ: WA 83-SF	VERT: MLLW 19.18 @ TIDE 22, 1933		PORT ADDRESS: ONE SITCUM PLAZA			
PHASE: BID SET	PARCEL: 27	DRAWING SCALE: AS NOTED		TACOMA, WA 98401-1837			

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GENERAL NOTES

1. VERIFY LOCATIONS AND DIMENSIONS OF EQUIPMENT AND COORDINATE WORK PRIOR TO START OF CONSTRUCTION.

2. CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE AND DETERMINE THE EXACT EXTENT OF WORK, COORDINATION, DEMOLITION, ETC. NECESSARY TO COMPLETE THE PROJECT AS INDICATED IN THE CONTRACT DOCUMENTS.

3. FURNISH LABOR, MATERIALS, EQUIPMENT, APPARATUS AND APPURTENANCES REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM. MATERIALS, EQUIPMENT AND APPURTENANCES SHALL MATCH EXISTING BUILDING STANDARDS IN QUALITY, TYPE AND FINISH, UNLESS OTHERWISE NOTED.

4. VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT. COORDINATE THE EXACT LOCATIONS OF NEW MECHANICAL AND PLUMBING EQUIPMENT WITH THE LOCATIONS OF LIGHTING FIXTURES, PIPING, AND OTHER CONSTRUCTION TO ALLOW FOR PROPER ACCESS TO SERVICE AND MAINTAIN EQUIPMENT PRIOR TO START OF CONSTRUCTION.

5. COORDINATE THE LOCATION OF DUCTWORK AND PIPING WITH OTHER TRADES. PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED AT NO ADDITIONAL COST TO OWNER.

6. SUPPORT CONDUIT, PIPING, AND DUCTWORK INDEPENDENTLY. IN NO INSTANCE SHALL ANY TRADE HANG OR SUPPORT EQUIPMENT, CEILING WIRES, LIGHT FIXTURE HANGERS, ETC., FROM HVAC EQUIPMENT, DUCTWORK, OR PIPING. SUPPORT SHALL BE FROM THE EXISTING STRUCTURE OR FROM STRUCTURAL MEMBERS ADDED BY THIS CONTRACTOR TO PROVIDE SUPPORT OF NEW EQUIPMENT AND COMPONENTS SUCH AS DUCTWORK, PIPING, ETC. DO NOT SUPPORT OR BRACE COMPONENTS FROM THE ROOF DECK.

7. SEISMIC ANCHORING OF EQUIPMENT AND SEISMIC BRACING OF MECHANICAL COMPONENTS SHALL MEET SMACNA, ASCE, AND UFC REQUIREMENTS. EQUIPMENT HAVING AN IMPORTANCE FACTOR (Ip) GREATER THAN 1.0 PER ASCE 7-2010 SHALL BE SEISMICALLY RATED.

8. REFRIGERANT PIPING
   - A. REFRIGERANT PIPING
     1. MEET THE REQUIREMENTS OF ASTM B 280-86, "SPECIFICATION FOR SEAMLESS COPPER TUBE FOR AIR CONDITIONING AND REFRIGERATION FIELD SERVICE", ACR HARD DRAWN STRAIGHT LENGTHS.
   - B. REFRIGERANT FITTINGS
     1. 100% WROT COPPER WITH LONG RADIUS ELBOWS.
     2. APPROVED MANFACTURERS: MUELLER STREAMLINE, NIBCO.
   - C. BRAZING MATERIAL
     1. BRAZING RODS WITH A MINIMUM OF 5% SILVER CONTENT SHALL BE UTILIZED. RODS CONTAINING CADMIUM WILL NOT BE PERMITTED.

9. QUALITY ASSURANCE
   - A. REQUIREMENTS OF REGULATORY AGENCIES:
     1. PERFORM WORK IN ACCORDANCE WITH APPLICABLE CODES.
     2. IN CASE OF DIFFERENCES BETWEEN BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, UTILITY COMPANY REGULATIONS, AND CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN.

10. COMMISSIONING
    - A. MINIMUM STATE OF WASHINGTON COMMISSIONING REQUIREMENTS ARE TO BE MET.

11. WORKMANSHIP
    - A. THIS CONTRACTOR SHALL PROVIDE COMPLETED SYSTEM WITH A NEAT AND FINISHED APPEARANCE. IF, IN THE JUDGMENT OF THE ENGINEER, ANY PORTION OF THE WORK HAS NOT BEEN PERFORMED IN A WORKMANLIKE MANNER OR IS LEFT IN A ROUGH, UNFINISHED STATE, THIS CONTRACTOR WILL BE REQUIRED TO REMOVE, REINSTALL, OR REPLACE SAME AND PATCH AND PAINT SURROUNDING SURFACES IN A MANNER ACCEPTABLE TO THE ENGINEER, WITHOUT INCREASE IN COST TO THE OWNER. THE CONTRACTOR SHALL PROVIDE A WRITTEN WARRANTY OF WORKMANSHIP FOR A 12 MONTH PERIOD.

MECHANICAL LEGEND

HVAC

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT UP		FLEXIBLE DUCT
	SUPPLY DUCT DOWN		VOLUME DAMPER (VD)
	RETURN, RELIEF, TRANSFER, OSA DUCT UP	M	MOTORIZED DAMPER
	RETURN, RELIEF, TRANSFER, OSA DUCT DOWN		TURNING VANES (TV)
	EXHAUST DUCT UP		BACKDRAFT DAMPER (BD)
	EXHAUST DUCT DOWN	T	THERMOSTAT (T'STAT)
	RECTANGULAR DUCT SQUARE ELBOW UP	XØ	ROUND DUCT
	RECTANGULAR DUCT, RADIUS ELBOW UP		CEILING AIR TERMINAL - SQUARE
	RECTANGULAR DUCT, SQUARE ELBOW DOWN	⊗	CEILING AIR TERMINAL - ROUND
	RECTANGULAR DUCT, RADIUS ELBOW DOWN	12 X 12 CD / 300 CFM	AIR TERMINAL SIZE, TYPE & CFM
	ROUND DUCT ELBOW UP	X/X	SQUARE DUCT
	ROUND DUCT ELBOW DOWN	AHU 1	EQUIPMENT DESIGNATION
1	CONSTRUCTION NOTE	1	DEMOLITION NOTE
	FIRE DAMPER	S	SWITCH
	BOUNDARY OF WORK		

PLUMBING

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE (GV)		DOMESTIC COLD WATER (CW)
	GLOBE VALVE		DOMESTIC HOT WATER (HW)
	BUTTERFLY VALVE		DOMESTIC HOT WATER CIRCULATING (HWC)
	PRESSURE REDUCING VALVE (PRV)	W	SOIL, WASTE (S, W)
	CHECK VALVE (CV)		VENT (V), OR HIDDEN BELOW WASTE
	BALL VALVE	G	NATURAL GAS PIPING
	PIPE DOWN	C	CONDENSATE PIPING
	PIPE UP		WALL CLEANOUT
	BRANCH-TOP CONNECTION		FLUSH CLEANOUT (FCO/SCO)
	BRANCH-BOTTOM CONNECTION		CLEAN OUT (CO)
	BRANCH-SIDE CONNECTION		IN LINE WASTE CONNECTION
	UNION		P-TRAP
	FLOOR DRAIN		BRANCH PIPE DOWN
	FLOOR FUNNEL DRAIN		BRANCH PIPE UP
	CROSSING LINES, NON CONNECTING		TEE & UP
	PIPE CONTINUATION		TEE
	GAS COCK		ELBOWS, 90° & 45°
POC	POINT OF CONNECTION		CAP
R	REFRIGERANT (LIQUID AND SUCTION)	BFF	BELOW FINISHED FLOOR
		AFF	ABOVE FINISHED FLOOR

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12/15/2017

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MAINTENANCE MEZZANINE

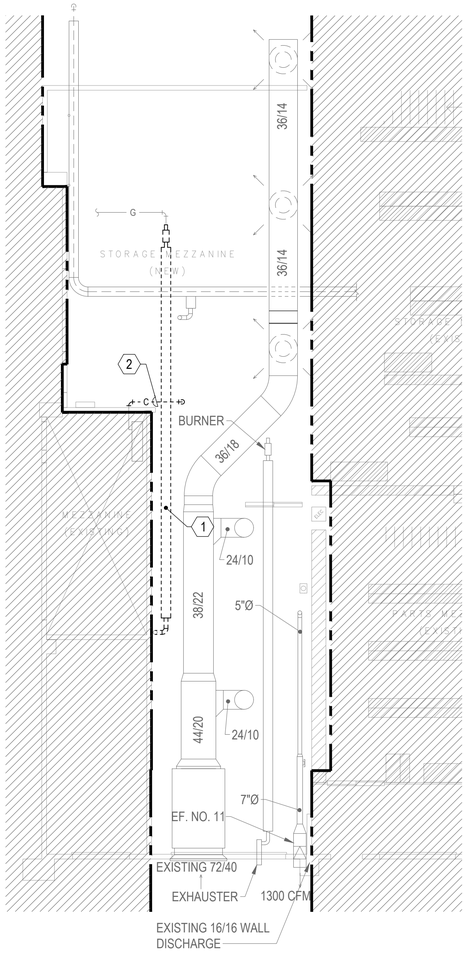
MECHANICAL LEGEND, DETAILS, AND NOTES

TOWNSHIP:	21N	RANGE:	3E
DAT–HRZ:	WA83-SF	VERT:	MLLW 19.18' @ Tide 22 1933
PARCEL:	27	DRAWING SCALE:	AS NOTED

SECTION: 34

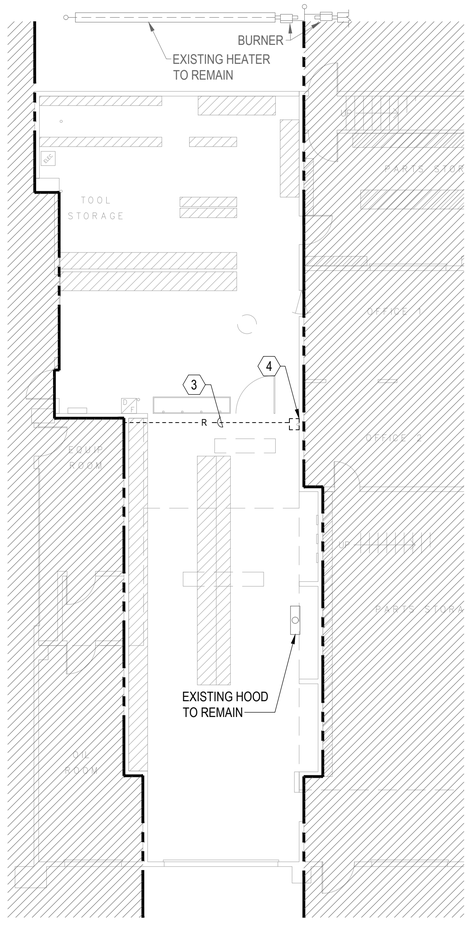
6566
M1.0
SH # 8 OF 15

CONT/CONS: 070735
M. ID: 101140.01
PHASE: BID SET



MECHANICAL DEMOLITION MEZZANINE PLAN

1 M1.1 SCALE : 1/8" = 1'-0"



MECHANICAL DEMOLITION LOWER PLAN

2 M1.1 SCALE : 1/8" = 1'-0"

GENERAL NOTES

1. EQUIPMENT, DUCTWORK, AND PIPING SHOWN DARK AND DASHED TO BE REMOVED. EQUIPMENT, DUCTWORK, AND PIPING SHOWN LIGHT TO REMAIN.
2. CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND COORDINATE FOR ALL CUTTING, PATCHING, AND FINISH WORK.
3. VERIFY THAT GAS-FIRED RADIANT HEATER PROPERLY OPERATES WITH OWNER/USER PRIOR TO RELOCATION.
4. MATCH LINE AND HATCHING INDICATE BOUNDARY OF WORK.

DEMOLITION NOTES

1. REMOVE GAS-FIRED HEATER AND ALL APPURTENANCES. ROOF FLUE PENETRATION TO BE FILLED WITH BATT. INSULATION. CAP ASSOCIATED GAS PIPING.
2. REMOVE AND RE-ROUTE CONDENSATE PIPE TO ACCOMMODATE NEW MEZZANINE FLOOR. SEE M1.2 FOR NEW ROUTING.
3. REMOVE REFRIGERANT PIPE AND CONDENSATE PUMP TO ACCOMMODATE NEW MEZZANINE FLOOR. SEE M1.2 FOR REINSTALLATION.
4. REMOVE CONDENSATE PUMP TO ACCOMMODATE NEW MEZZANINE FLOOR. SEE M1.2 FOR REINSTALLATION.

SCALE: 1/8" = 1'-0"
0' 4' 8' 16' 32'

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MAINTENANCE MEZZANINE

MECHANICAL DEMOLITION PLANS

TOWNSHIP:	21N	RANGE:	3E	SECTION:	34
DAT–HRZ:	WA83-SF	VERT:	MLLW 19.18' @ Tide 22 1933		
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CONT/CONS:	070735
M. ID:	101140.01
PHASE:	BID SET

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M1.1
SH # 9 OF 15

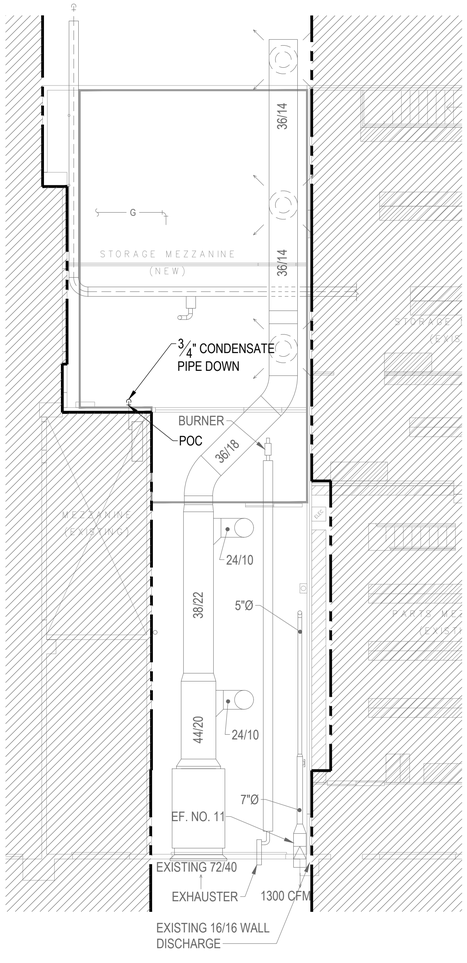
BINDING EDGE

GENERAL NOTES

1. PIPING, DUCTWORK, AND EQUIPMENT SHOWN LIGHT IS EXISTING TO REMAIN. PIPING, DUCTWORK, AND EQUIPMENT SHOWN DARK IS NEW WORK.
2. MATCH LINE AND HATCHING INDICATE BOUNDARY OF WORK.

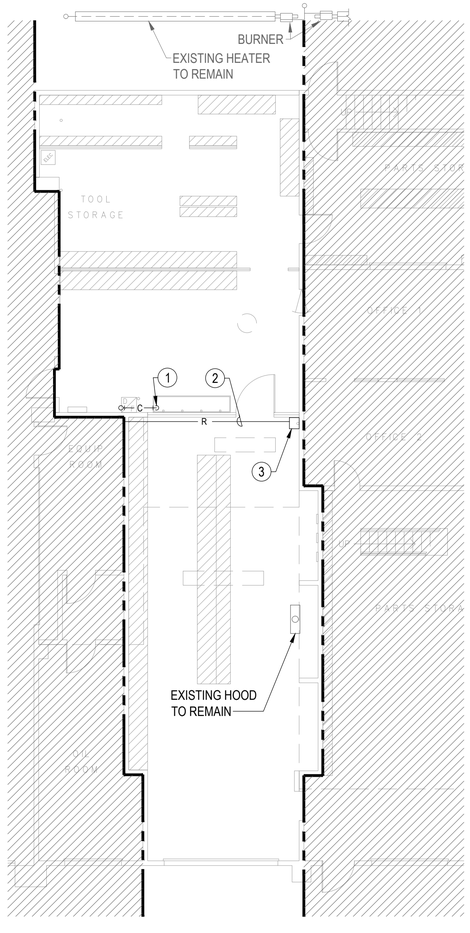
CONSTRUCTION NOTES

1. TERMINATE 3/4" CONDENSATE PIPE ABOVE EXISTING SINK.
2. REROUTE REFRIGERANT PIPE TO ACCOMMODATE NEW MEZZANINE FLOOR. IF DISCONNECTION/DRAINING OF REFRIGERANT PIPE WAS REQUIRED, REFILL SYSTEM.
3. REINSTALL CONDENSATE PUMP THAT WAS REMOVED TO ACCOMMODATE NEW MEZZANINE FLOOR.



1 M1.2 MECHANICAL MEZZANINE PLAN

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



2 M1.2 MECHANICAL LOWER PLAN

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

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

0' 4' 8' 16' 32'

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DRAWING SCALE: AS NOTED

MAINTENANCE MEZZANINE

MECHANICAL FLOOR PLANS

6566
M1.2
SH # 10 OF 15

CONT/CONS:	070735	TOWNSHIP:	21N	RANGE:	3E
M. ID:	101140.01	DAT–HRZ:	WA83-SF	VERT:	MLLW 19.18' @ Tide 22 1933
PHASE:	BID SET	PARCEL:	27	SECTION:	34

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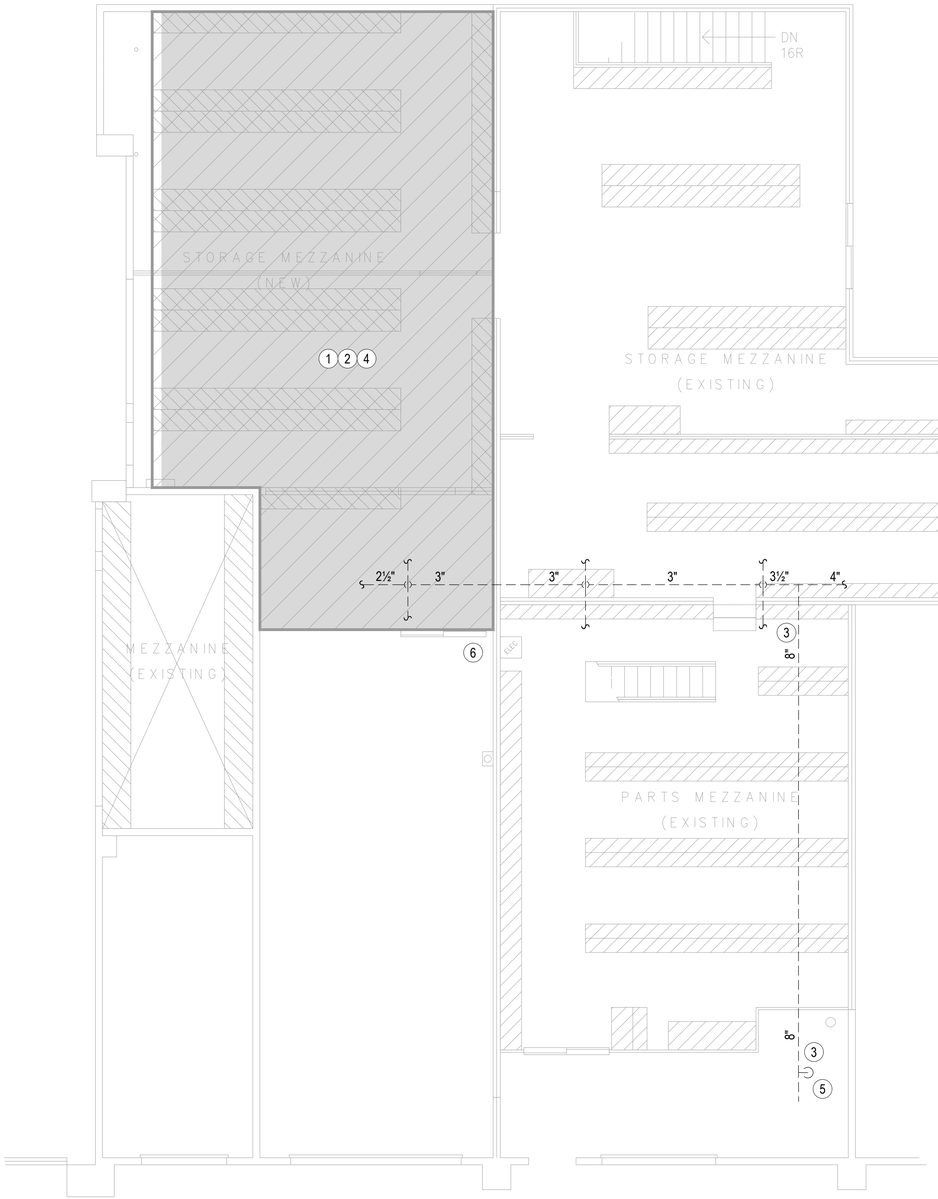

1 FIRE PROTECTION MAIN FLOOR PLAN
SCALE: 3/16" = 1'-0"

N

0' 5' 10' 15' 20'
GRAPHIC SCALE 3/16" = 1'-0"

CONSTRUCTION NOTES

1. THE FIRE PROTECTION SPRINKLER SYSTEM CONTRACTOR SHALL PROVIDE SPRINKLER PROTECTION BENEATH THE NEW MEZZANINE IN ACCORDANCE WITH AN ORDINARY HAZARD GROUP II OCCUPANCY PER NFPA #13.
2. SHADED AREA INDICATES AREA OF NEW MEZZANINE CONSTRUCTION TO BE PROVIDED WITH NEW SPRINKLER PROTECTION BENEATH.
3. THE FIRE PROTECTION SPRINKLER SYSTEM CONTRACTOR SHALL CONNECT TO AN EXISTING CROSS MAIN OR SYSTEM RISER OF THE EXISTING WET PIPE SPRINKLER SYSTEM. CONNECTION SHALL BE ON THE SYSTEM SIDE OF THE EXISTING WATER FLOW SWITCH AND EXTEND TO PROVIDE COVERAGE BENEATH THE NEW MEZZANINE. CONTRACTOR TO VERIFY AN EXACT CONNECTION LOCATION THAT IS SUPPORTED BY HYDRAULIC CALCULATIONS.
4. PROVIDE INTERMEDIATE LEVEL SPRINKLERS, OR PROVIDE INTERMEDIATE-LEVEL SHIELDS FOR SPRINKLERS LOCATED UNDER OPEN GRATE MEZZANINE.
5. EXISTING 8" WET SYSTEM RISER LOCATION
6. THE CONTRACTOR SHALL PROVIDE AN AUXILIARY DRAIN FOR TRAPPED PIPING. SEE PROJECT SPECIFICATIONS FOR MORE DETAIL.

FLOW TEST INFORMATION

BASE HYDRAULIC CALCULATIONS FOR THE BID ON A COMPUTER GENERATED FLOW TEST PERFORMED ON OCTOBER 2ND, 1995 BY THE CITY OF TACOMA PUBLIC WORKS DEPARTMENT. AFTER AWARD OF THE PROJECT, THE CONTRACTOR SHALL VERIFY AVAILABLE WATER SUPPLY WITH A FLOW TEST PERFORMED WITHIN SIX MONTHS OF BID DATE OR CALCULATE TO EXISTING BASE OF RISER DEMAND AS SHOWN ON HYDRAULIC PLACARDS. SEE PROJECT SPECIFICATIONS FOR MORE DETAIL.

TEST HYDRANT
STATIC PRESSURE: 98 P.S.I.
RESIDUAL PRESSURE: 87 P.S.I.
RESIDUAL FLOW: 4,378 G.P.M.

FLOWING HYDRANT #1
PORT #1 PITOT 42 P.S.I. FLOW: 1,101 G.P.M.
PORT #2 PITOT 42 P.S.I. FLOW: 1,088 G.P.M.

FLOWING HYDRANT #2
PORT #1 PITOT 42 P.S.I. FLOW: 1,101 G.P.M.
PORT #2 PITOT 42 P.S.I. FLOW: 1,088 G.P.M.

TOTAL FLOW: 4,378 G.P.M.
AVAILABLE AT 20 P.S.I.: 12,608 G.P.M.

STREAM STRAIGHTENERS WERE USED ON ALL PORTS WITH AN INTERNAL DIAMETER OF 2.5" AND A COEFFICIENT OF 0.90.

TEST HYDRANT ELEVATION: APPROXIMATELY 12 FEET (OBTAINED FROM GOOGLE EARTH)

TEST HYDRANT IS LOCATED AT THE INTERSECTION OF VACATED ASHTON WAY AND PORT OF TACOMA ROAD.

FLOW HYDRANT IS LOCATED AT THE INTERSECTION OF 14TH STREET EAST AND PORT OF TACOMA ROAD.

TEST INFORMATION PROVIDED BY: THE CITY TACOMA WATER DEPARTMENT.

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MAINTENANCE MEZZANINE

FIRE PROTECTION
MAIN FLOOR PLAN

TOWNSHIP:	21N	SECTION:	34
RANGE:	3E		
VERT:	MLLW 19.18' @ Tide 22 1933		
DRAWING SCALE:	AS NOTED		

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SH# 11 OF 15

CONT/CONS:	070735
M. ID:	101140.01
PHASE:	BID SET
PARCEL:	27

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ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	SURFACE OR PENDANT MOUNT LIGHT FIXTURE (CIRCLE INDICATES RECESSED OR CONCEALED JUNCTION BOX)
	SURFACE OR PENDANT MOUNT STRIP LIGHT (CIRCLE INDICATES RECESSED OR CONCEALED JUNCTION BOX)
	EMERGENCY EGRESS BUGEYE FIXTURE WITH EMERGENCY BATTERY PACK. PROVIDE UNSWITCHED HOT LEG.
⊗	EMERGENCY EXIT FIXTURE WITH EMERGENCY BATTERY PACK. PROVIDE UNSWITCHED HOT LEG.
G	DUPLEX RECEPTACLE (G INDICATES GROUND FAULT CIRCUIT INTERRUPTER, S INDICATES SWITCH)
	FOURPLEX RECEPTACLE
	SPECIAL PURPOSE OUTLET - 1Ø, VOLTAGE AND AMPERES AS INDICATED
	EXISTING PANELBOARD TO BE RETAINED
$	SINGLE POLE SWITCH
$3	THREE WAY SWITCH
OS	CEILING MOUNTED OCCUPANCY SENSOR (LIGHTING CONTROL)
S	WALL MOUNTED HORN/SPEAKER
	FUSED DISCONNECT SWITCH - COORDINATE EXACT FUSE SIZE WITH MANUFACTURER'S NAMEPLATE MOP
F	FIRE ALARM PULL STATION
	COMBINATION FIRE ALARM HORN/STROBE -CEILING MOUNT NOTE: PROVIDE FIRE ALARM DEVICE DEVICES COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL - SILENT KNIGHT #SK-5208
1	CONSTRUCTION NOTES
1	DEMOLITION NOTES
$	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
$	ALL DEVICES WITH DASH LINE INDICATES EXISTING TO BE REMOVED

LIGHTING FIXTURE SCHEDULE

DESIGNATION	FIXTURE DESCRIPTION	MANUFACTURER/MODEL #	LAMPS	LUMENS	V	W	MOUNTING & REMARKS
PL1	4' STRIPLIGHT	COLUMBIA LCL4-40HL-EU	1	6494	277	52	SURFACE MOUNT BELOW MEZZANINE STRUCTURE 1
PL1E	4' STRIPLIGHT W/ EM BATTERY	COLUMBIA LCL4-40HL-EU-ELL14	1	6494	277	52	SURFACE MOUNT BELOW MEZZANINE STRUCTURE 1
EM1	EMERGENCY BUGTYPE	LITHONIA ELMLTWLP06VSLTP	2	-	277	2	WALL MOUNT AT +7'-6" AFF 1

NOTES FOR LIGHTING FIXTURE SCHEDULE:

1 PROVIDE BASIS OF DESIGN MODEL OR APPROVED EQUAL.

BINDING EDGE

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MAINTENANCE MEZZANINE

ELECTRICAL LEGEND AND FIXTURE SCHEDULE

TOWNSHIP: 21N RANGE: 3E SECTION: 34

DAT-HRZ: WA83-SF VERT: MLLW 19.18' @ Tide 22 1933

PARCEL: 27 DRAWING SCALE: AS NOTED

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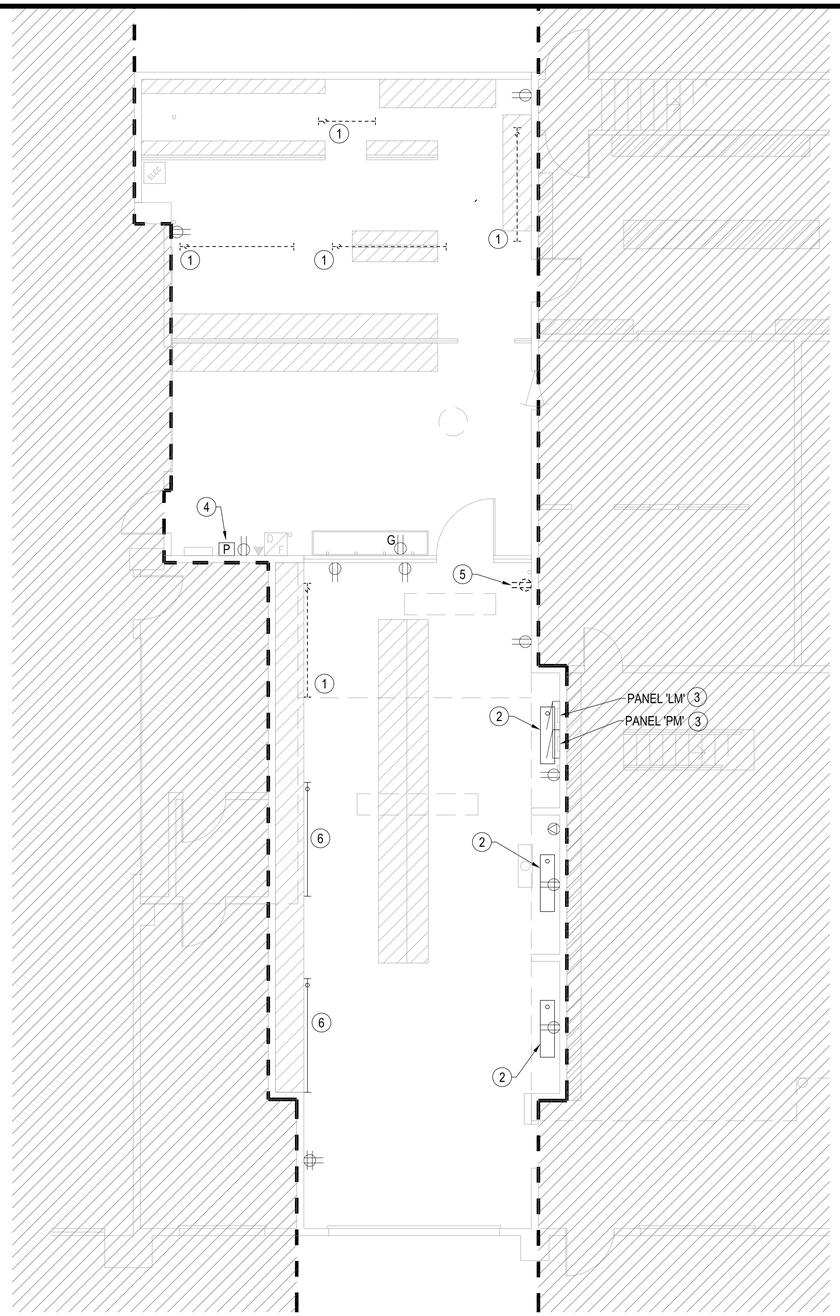
SH# 12 OF 15

CONT/CONS: 070735

M. ID: 101140.01

PHASE: BID SET



LOWER LEVEL ELECTRICAL DEMOLITION PLAN

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

CONSTRUCTION NOTES

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE.
2. EXISTING TASK LIGHTS TO REMAIN.
3. EXISTING PANEL BOARD TO REMAIN.
4. EXISTING FIRE ALARM PULL STATION TO REMAIN.
5. REMOVE AND REINSTALL RECEPTACLE OUTLET TO NEW CONDENSATE PUMP LOCATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO NEW LOCATION.
6. EXISTING WALL MOUNTED LIGHT FIXTURE TO REMAIN.
7. EXISTING HIGHBAY FLUORESCENT FIXTURES TO REMAIN.
8. EXISTING EXIT AND EGRESS LIGHT FIXTURES TO REMAIN.
9. EXISTING WALL MOUNTED HORN/SPEAKER TO REMAIN.

GENERAL DEMOLITION NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL COSTS ASSOCIATED WITH NECESSARY DEMOLITION TO ALLOW NEW CONSTRUCTION SHOWN IN CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REMOVE ALL EXISTING RECEPTACLES, LIGHTING FIXTURES, DEVICES, ABANDONED RACEWAYS, CONDUCTORS, TOGETHER WITH ANY AUXILIARY ITEMS TO ALLOW NEW CONSTRUCTION AND FINISH TO OCCUR AS COMPLETED BY THE CONTRACT DOCUMENTS. DASHED LINES INDICATE EXISTING DEVICES AND EQUIPMENT TO BE REMOVED. ALL DEMOLISHED CONDUITS AND WIRING SHALL BE REMOVED BACK TO ORIGIN JUNCTION BOX OR PANEL. NO ABANDONED CONDUIT OR WIRING ALLOWED.

2. THESE PLANS DELINEATE THE BASIC SCOPE OF WORK FOR THE REMOVAL OF EXISTING MATERIAL. THE DEMOLITION DRAWINGS AND NOTES ARE PROVIDED WITH THE INTENT TO GENERALLY DESCRIBE AREAS AND LIMITS OF WORK. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SITE AND CONDITIONS THERE ON; AND SHALL NOT RELY SOLELY ON REVIEW OF THE BIDDING DOCUMENTS IN DETERMINING THE EXTENT OF DEMOLITION WORK REQUIRED. COORDINATION OF THESE DRAWINGS WITH REQUIREMENTS FOR CONTRACT WORK IS THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCIES BETWEEN OR WITHIN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE CONTRACTOR OFFICER IMMEDIATELY. THE CONTRACTOR SHALL PROVIDE CLARITY SKETCHES, DIAGRAMS, AND FIELD DIMENSIONS OF EXISTING CONDITIONS AT THE REQUEST OF THE CONTRACTOR OFFICER IF/WHEN CONFLICTS ARE IDENTIFIED.

3. CONTRACTOR TO REMOVE ELECTRICAL CONNECTIONS TO ALL MECHANICAL EQUIPMENT TO BE DEMOLISHED. CONTRACTOR SHALL CHECK ALL DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS FOR UNIT LOCATIONS. ALL CONDUITS PENETRATING THROUGH THE ROOF AND ACCESSIBLE SHALL BE REMOVED. CONTRACTOR TO CHECK MECHANICAL DEMOLITION PLANS FOR UNIT LOCATIONS.

4. THESE DEMOLITION PLANS DO NOT INTEND TO SHOW ALL ELECTRICAL DEVICES TO BE REMOVED. CONTRACTOR SHALL VERIFY DEMOLITION WORK INVOLVED PRIOR TO BID.

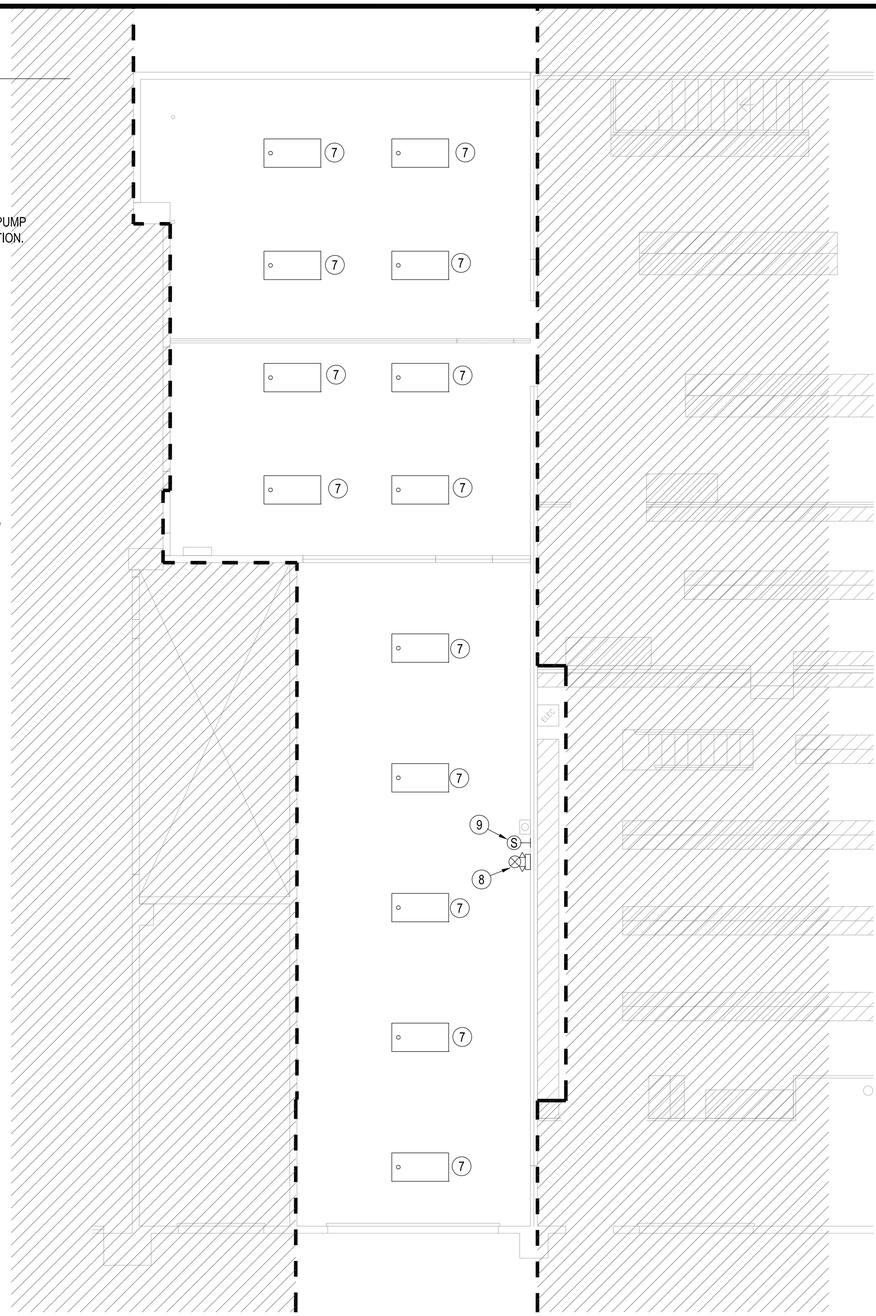
5. REMOVE ALL ELECTRICAL AND SIGNALING DEVICES (INCLUDING, BUT NOT LIMITED TO REMOVAL OF ALL ELECTRICAL PANELS, LIGHTING FIXTURES, RECEPTACLES, MOTOR DISCONNECTS, FIRE ALARM AND OTHER LOW VOLTAGE DEVICES). UNLESS NOTED OTHERWISE.

7. REMOVE ALL WIRES, CABLES AND SURFACE MOUNT RACEWAYS AND APPURTENANCES WHICH SERVE DEVICES BEING REMOVED, CUT CONDUIT FLUSH TO CEILING OR WALL WHEN CONCEALED, AND SEAL OFF WITH SPRAY FOAM.

8. CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND COORDINATE FOR ALL CUTTING, PATCHING AND FINISH WORK.

9. MULTIPLE UNKNOWN FIELD CONDITIONS EXIST. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS AND RACEWAYS.

10. UNLESS NOTED OTHERWISE, DISCONNECT AND REMOVE ALL DEVICES INDICATED. MAINTAIN CONTINUITY OF ALL REMAINING DEVICES & EQUIPMENT. PROVIDE JUNCTION BOXES, CONDUIT AND WIRE TO EXTEND EXISTING CIRCUITS AS REQUIRED.



CEILING ELECTRICAL DEMOLITION PLAN

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

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MAINTENANCE MEZZANINE

ELECTRICAL DEMOLITION PLAN

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PHASE:	BID SET	PARCEL:	27	DRAWING SCALE:	AS NOTED

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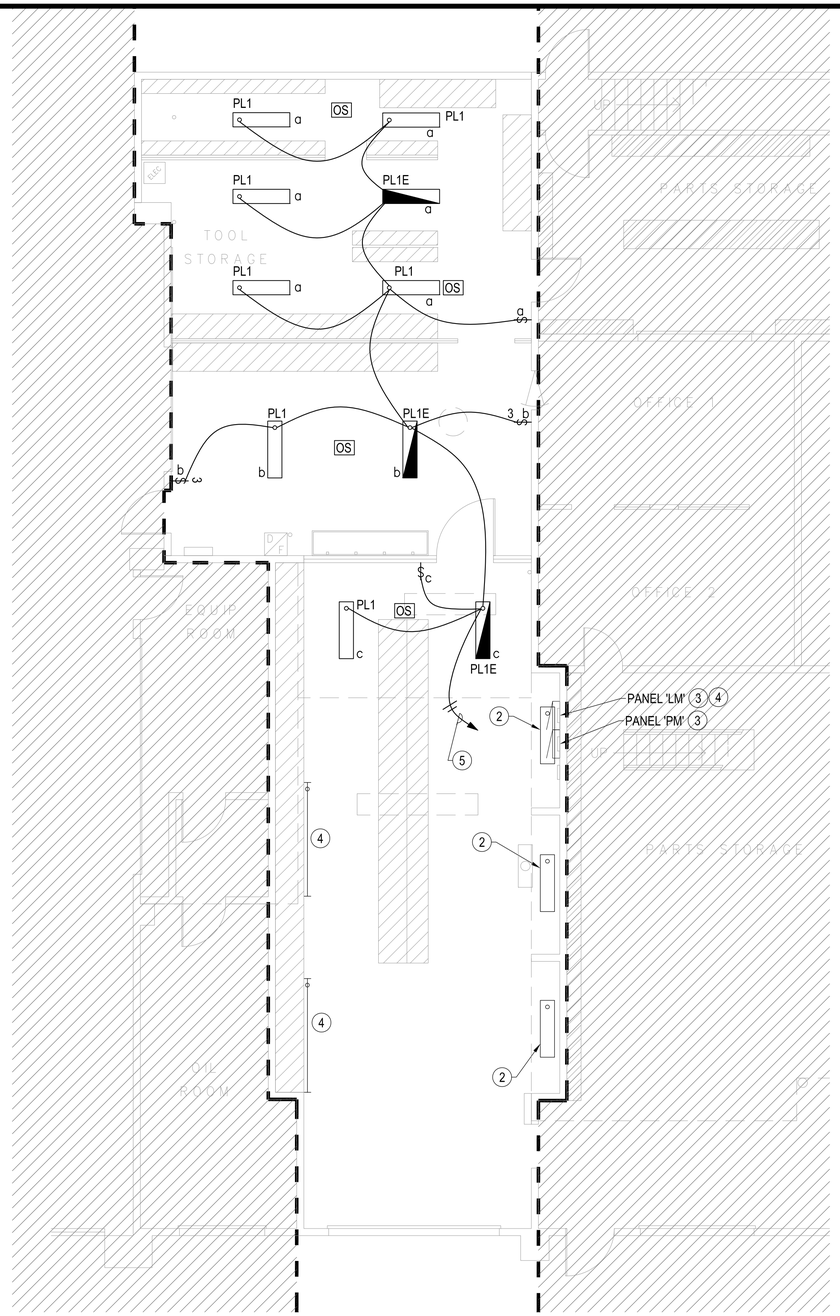
SH# 13 OF 15

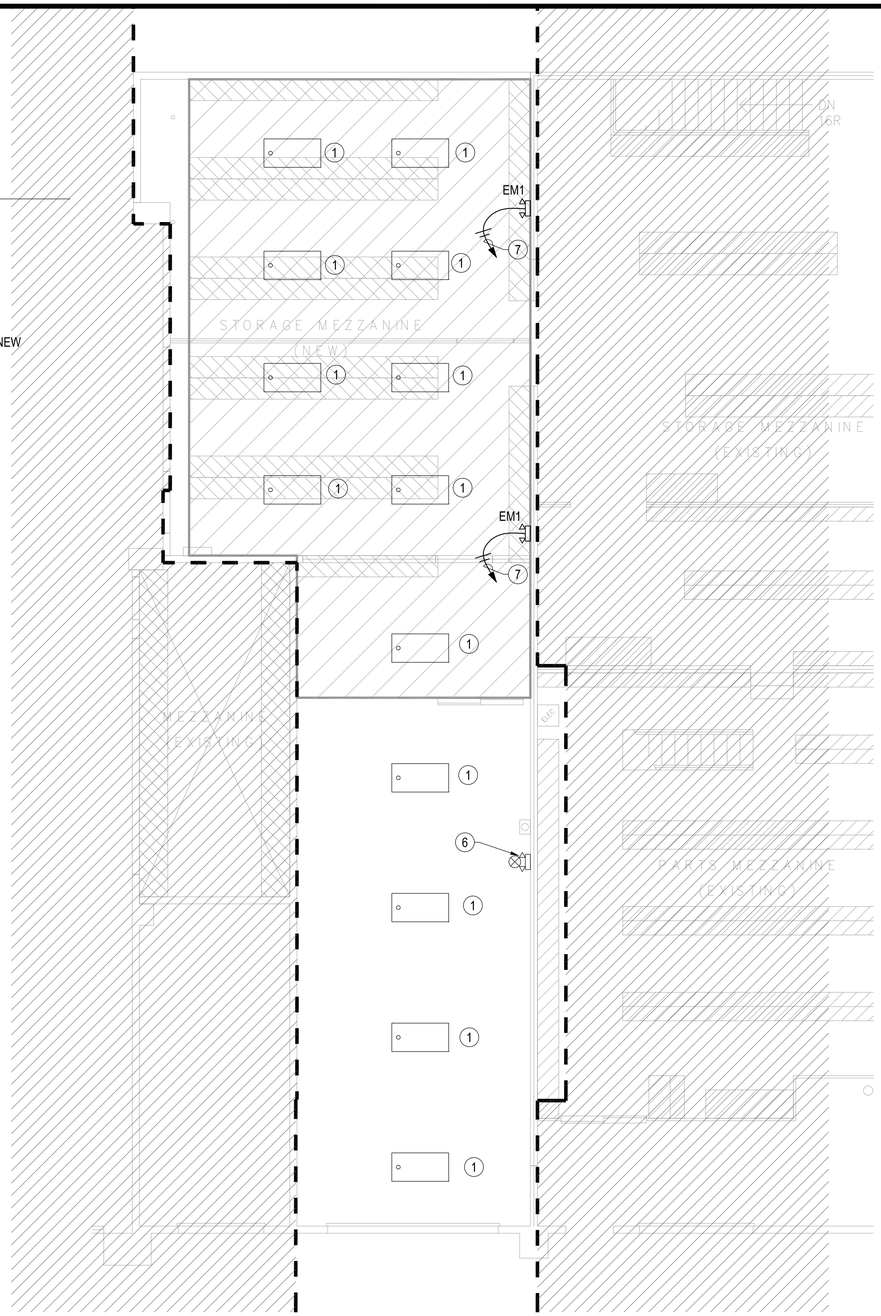
BINDING EDGE



1 LOWER LEVEL LIGHTING PLAN
SCALE: 3/16" = 1'-0"

CONSTRUCTION NOTES

1. EXISTING HIGHBAY FLUORESCENT FIXTURES TO REMAIN.
2. EXISTING TASK LIGHTS TO REMAIN.
3. EXISTING PANEL BOARD TO REMAIN.
4. EXISTING WALL MOUNTED LIGHT FIXTURE TO REMAIN.
5. REPLACE EXISTING 3P-15A CIRCUIT BREAKER ON LM-19 WITH (3)1P-20A NEW CIRCUIT BREAKERS FOR NEW MEZZANINE LIGHTING.
6. EXISTING EXIT AND EGRESS LIGHT FIXTURE TO REMAIN.
7. CONNECT TO UNSWITCHED 277V LIGHTING CIRCUIT.



1 MEZZANINE LIGHTING PLAN
SCALE: 3/16" = 1'-0"

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (253)383-5841

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MARK:	REVISION:	BY:	APPR:	DATE:

HS	12/19/17	APPROVED:	
CHECKED BY	DATE		
CH	12/19/17		
DIRECTOR ENG.	DATE	PROJ. ENGR	DATE
PRINTED BY:	DEC 19, 2017		
PORT ADDRESS:	ONE SITCUM PLAZA		
	TACOMA, WA 98401-1837		

MAINTENANCE MEZZANINE

LIGHTING FLOOR PLAN

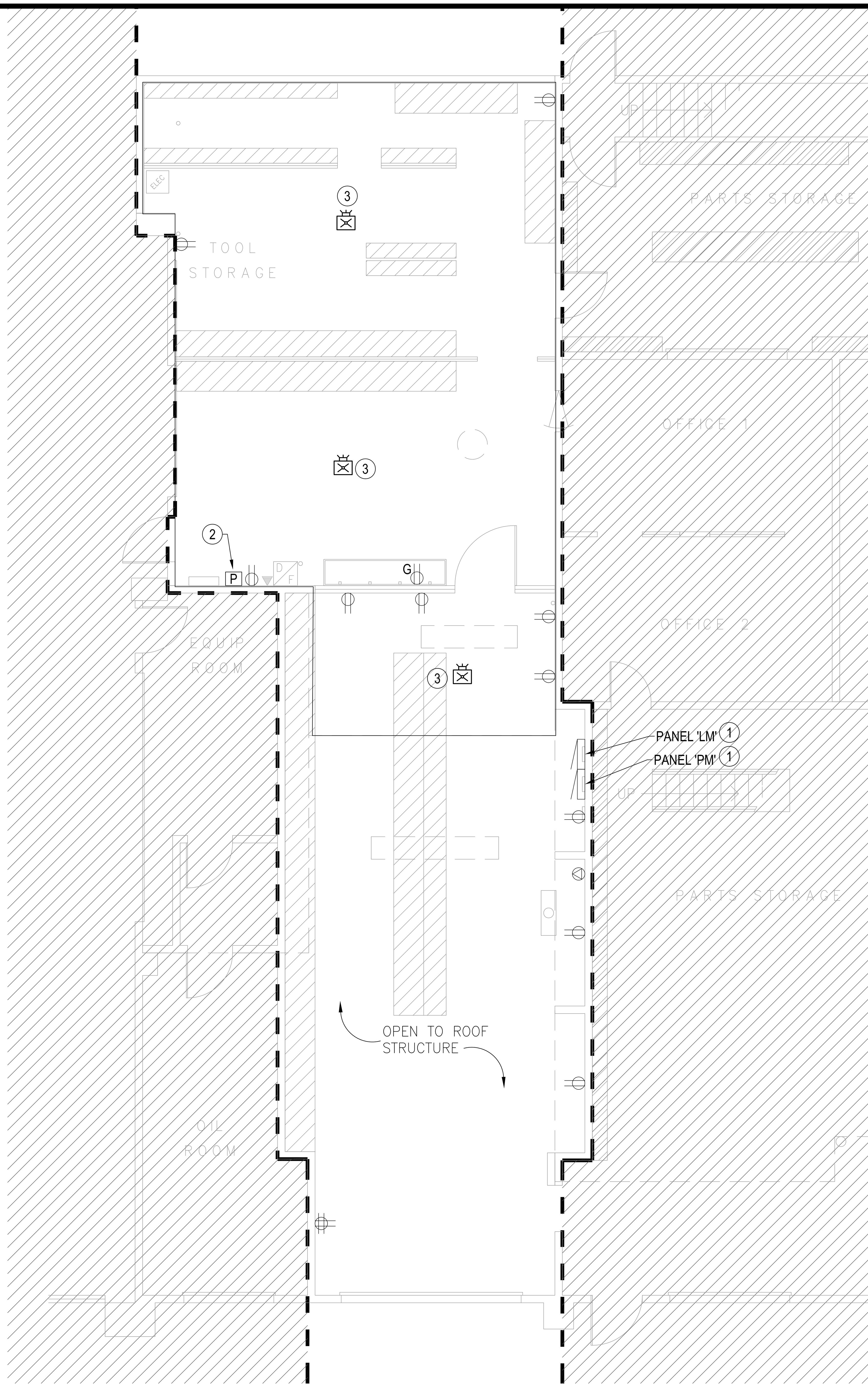
CONT/CONS:	070735	TOWNSHIP:	21N
M. ID:	101140.01	DAT–HRZ:	WA83-SF
PHASE:	BID SET	PARCEL:	27
RANGE:	3E	SECTION:	34
VERT:	MLLW 19.18' @ Tide 22 1933		
DRAWING SCALE:	AS NOTED		

6566

E2.1

SH # 14 OF 15

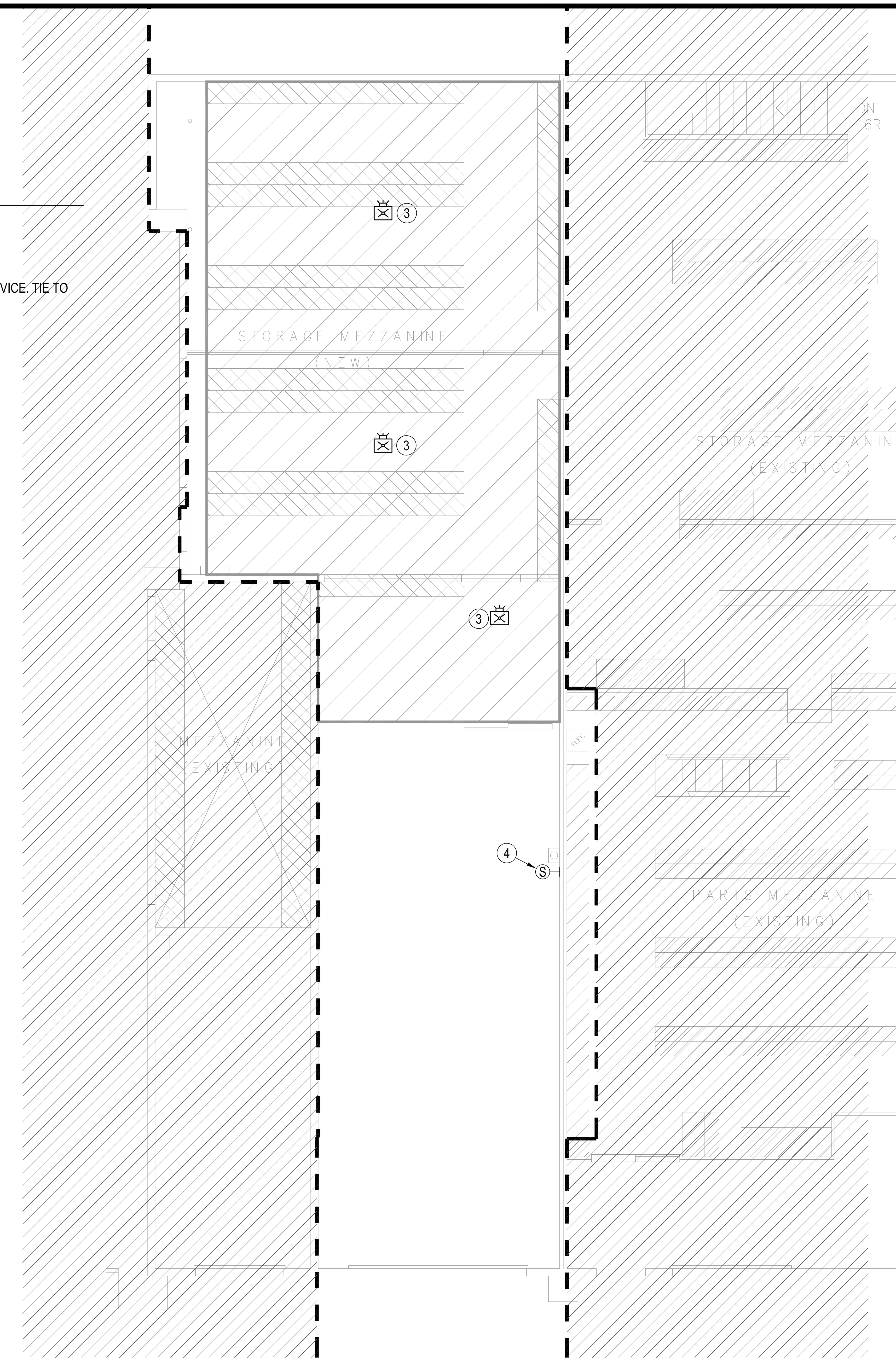
PORT OF TACOMA FILE: R:\dwgs\2017\2017-054_Drawings\Electrical\2017054_E2.1



1 LOWER LEVEL POWER AND FIRE ALARM PLAN
SCALE: 3/16" = 1'-0"

CONSTRUCTION NOTES

1. EXISTING PANEL BOARD TO REMAIN.
2. EXISTING FIRE ALARM PULL STATION TO REMAIN.
3. NEW CEILING MOUNTED FIRE ALARM HORN/STROBE NOTIFICATION DEVICE. TIE TO EXISTING FIRE ALARM STRADLE BAY NOTIFICATION CIRCUIT.
4. EXISTING WALL MOUNTED HORN/SPEAKER TO REMAIN.



1 MEZZANINE POWER AND FIRE ALARM PLAN
SCALE: 3/16" = 1'-0"

MAINTENANCE MEZZANINE

POWER AND FIRE ALARM FLOOR PLAN

6566
E3.1
SH # 15 OF 15

TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
DAT-HRZ: WA83-SF	VERT: MLLW 19.18' @ Tide 22 1933
PARCEL: 27	DRAWING SCALE: AS NOTED

CONT/CONS: 070735
M. ID: 101140.01
PHASE: BID SET

APPROVED:
HS 12/19/17 CHECKED BY DATE
CH 12/19/17 PROJ. ENGR DATE
DIRECTOR ENG. DATE
PRINTED BY: DEC 19, 2017
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BINDING EDGE