

PORT OF TACOMA FILE: D:\OneDrive\Vector\Clients\04-Cardno\Maintenance Mezzanine\CAD\Sheet Files\MID 101140.01 COVER\_MEZZ

BINDING EDGE

# PORT OF TACOMA

## MAINTENANCE MEZZANINE

PROJECT NO. 101140.01  
CONTRACT NO. 070735

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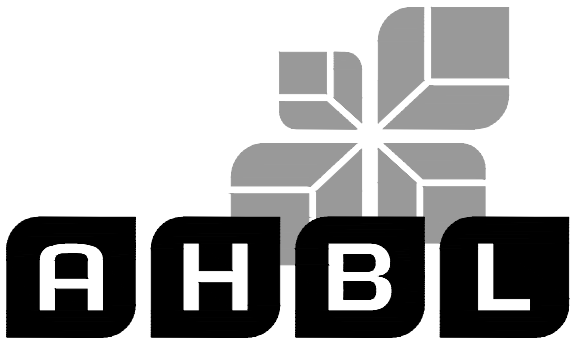
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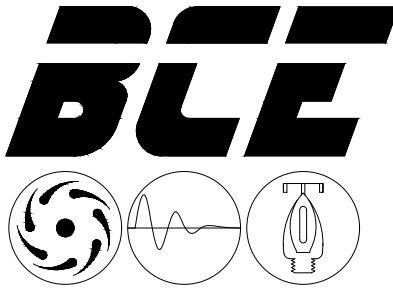


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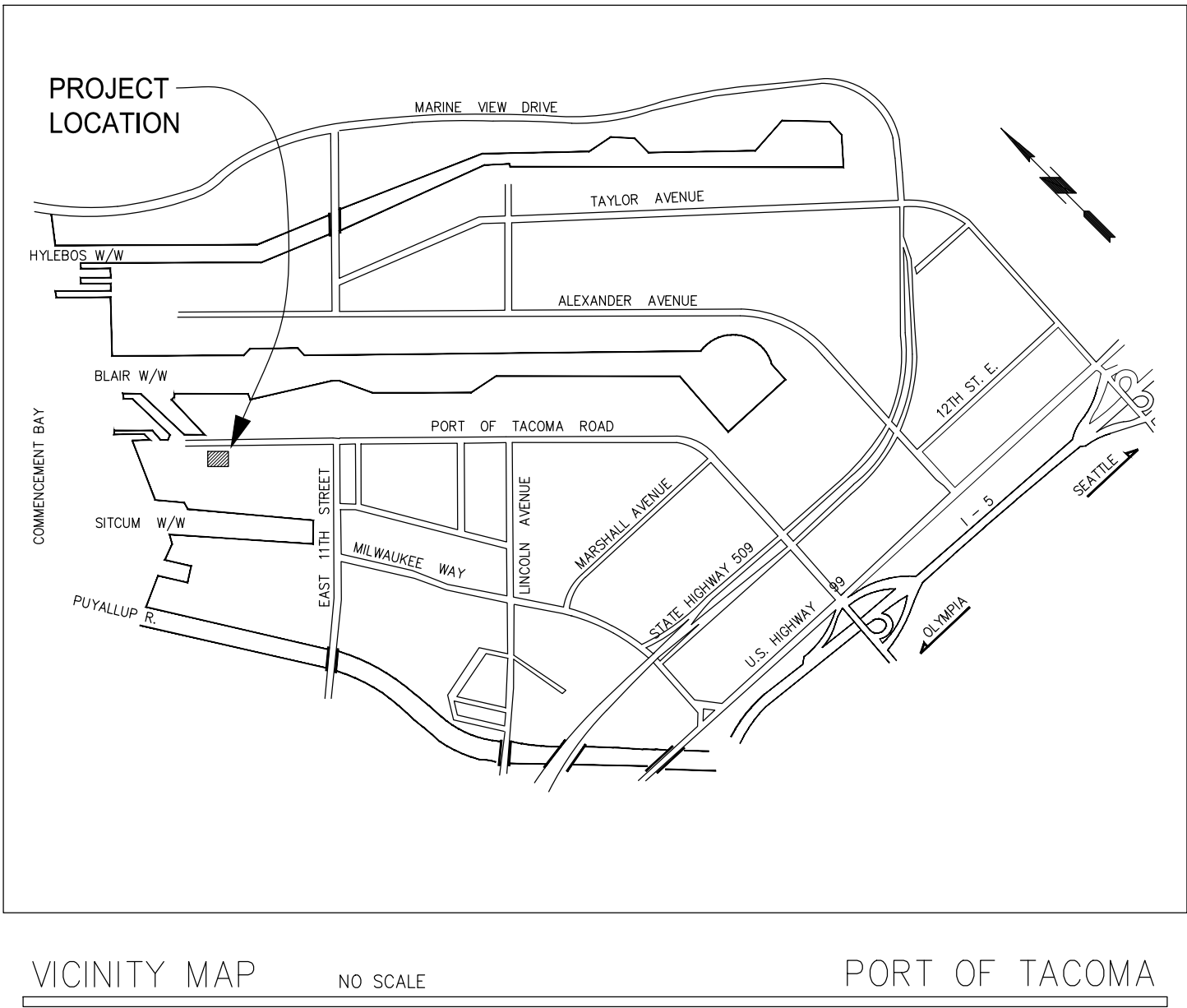


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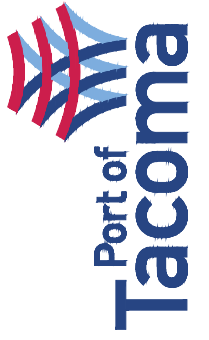
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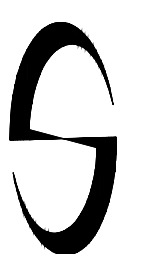


DRAWING LIST			
SHEET DESIGNATION	SHEET #	SHEET TITLE	REVISION
G1.1	1	COVER SHEET	0
A1.1	2	MAIN FLOOR PLAN	1
A1.2	3	MEZZANINE FLOOR PLAN	1
A1.3	4	MEZZANINE ELEVATION	0
S0.01	5	STRUCTURAL SPECIAL INSPECTION NOTES	0
S1.01	6	MEZZANINE FOUNDATION PLAN	1
S1.02	7	MEZZANINE FRAMING PLAN	1
M1.0	8	MECHANICAL LEGEND, DETAILS, AND NOTES	0
M1.1	9	MECHANICAL DEMOLITION PLANS	0
M1.2	10	MECHANICAL FLOOR PLANS	0
FX1.1	11	FIRE PROTECTION MAIN FLOOR PLAN	0
E1.1	12	ELECTRICAL DEMOLITION PLAN	0
E2.1	13	LIGHTING FLOOR PLAN	1
E3.1	14	POWER AND FIRE ALARM FLOOR PLAN	0

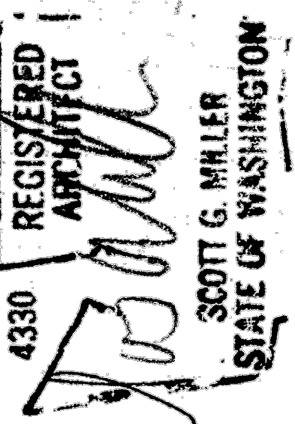
SPECIAL INSPECTION



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SCM 12-19-17

CHECKED BY DATE

APPROVED:

REVISION: BY: DATE:

MARK: REVISION: BY: DATE:

MAINTENANCE MEZZANINE

COVER SHEET

6566 G1.1 SH 1 OF 14

TOWNSHIP: 21N RANGE: 3E SECTION: 34

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

PARCEL: 2275200610 DRAWING SCALE: AS NOTED

CONT/CONS: 070735

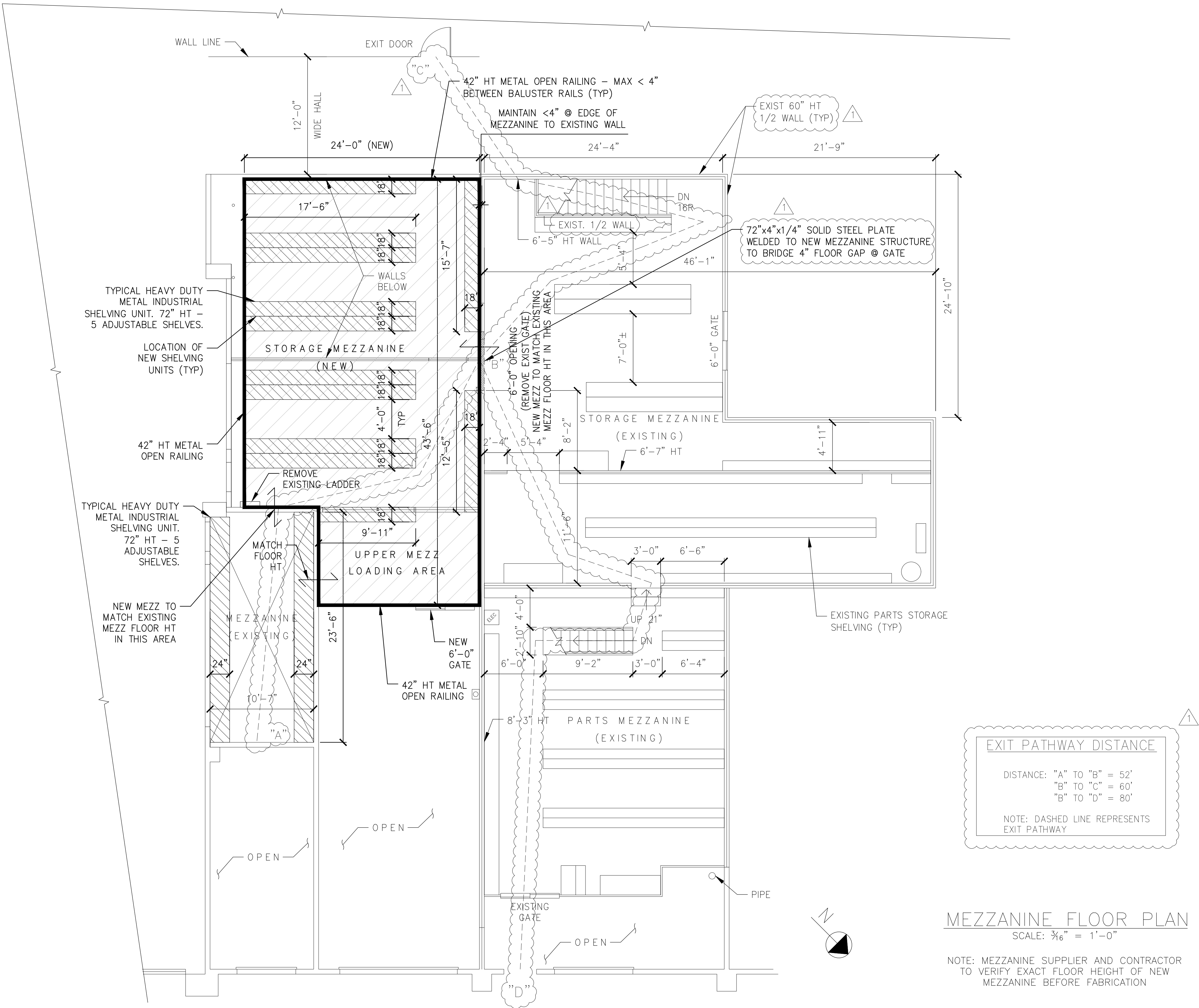
M. ID: 101140.01



PHASE: BID SET

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<div>6566</div> <div>A1.2</div> <div>SH 3 OF 14</div>	<div>MAINTENANCE MEZZANINE</div> <div>MEZZANINE FLOOR PLAN</div>	APPROVED:	SGM	12-19-17				
		CHECKED BY	DATE					
		DIRECTOR	ENG.	DATE				
		PRINTED BY:	veto	Jan 24, 2018				
		PORT ADDRESS:	1001 PORT OF TACOMA RD					
		DRAWING SCALE:	AS NOTED					
		TACOMA, WA 98421						
CONT./CONS:	070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34			P.O. BOX 1837 TACOMA, WA 98401 (253) 863-3441	
M. ID:	101140.01	DAT-HRZ: WA83-SF	VERT: MLLW 19.18' @ Tide	22 1933				
PHASE: BID SET		PARCEL: 2275200610	DRAWING SCALE: AS NOTED					
					MARK:	REVISION:	BY:	DATE:
					APPR:	BLDG. DEPT. REVISIONS	SGM	10/24/2018



STATEMENT OF TESTING AND SPECIAL INSPECTION

11. STATEMENT OF SPECIAL INSPECTION				
IBC	SI	SO	TITLE	
1705.1.1	✓	✓	SPECIAL CASES (SEE FOLLOWING NOTES FOR EXTENT)	
1705.2	✓	✓	STEEL CONSTRUCTION (SEE TABLES N5.4, N5.6, N6.1 & 1705.2.2)	
1705.11.1	✓	✓	STRUCTURAL STEEL - SEISMIC FORCE RESISTING SYSTEM	

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 FRAME INSPECTIONS SHALL BE MADE AFTER ALL FRAMING IS 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.
- 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

13. REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION				
IBC TABLE 1705.3				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD <sup>a</sup>	IBC REFERENCE
1. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS <sup>b</sup>				
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	✓	N/R	ACI 318: D.9.2.4	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 1A	N/R	✓	ACI 318: D.9.2	

- 13.1 CONCRETE: SPECIAL INSPECTION AND TESTING PER IBC TABLE 1705.3 INCLUDING:  
  
13.1.5 SPECIFIC REQUIREMENTS FOR 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 VERIFICATION AND INSPECTION OF STRUCTURAL STEEL - CONSTRUCTION INSPECTION OF WELDING			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	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			
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 VERIFICATION AND INSPECTION OF STRUCTURAL STEEL - CONSTRUCTION INSPECTION OF BOLTING			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	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 TESTING PER THE QUALITY CONTROL AND QUALITY ASSURANCE REQUIREMENTS OF AISC 360, AS NOTED IN TABLES N5.4-1, N5.4-2, N5.4-3, N5.6-1, N5.6-2, N5.6-3, N6.1, 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.  
  
15.2.3 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).  
  
15.2.4 EXPANSION ANCHORS: SPECIFIC REQUIREMENTS FOR INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE MASONRY SHALL BE AS DESCRIBED IN THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ETC).  
  
15.3 ADDITIONAL REQUIRED SPECIAL INSPECTION FOR SEISMIC RESISTANCE PER IBC SECTION 1705.11 AND 1705.12.

6566

S0.01

SH 5 OF 15

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

PARCEL: 27

PHASE: 100% Submittal

MAINTENANCE MEZZANINE

STRUCTURAL SPECIAL INSPECTION NOTES

APPROVED:

JFS

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DATE: 9/27/17

DIRECTOR: PROJ. ENGR.

DATE: 9/27/17

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REVISION: A

ADDENDUM No 1

DATE: 7/16/2018

2017

2018

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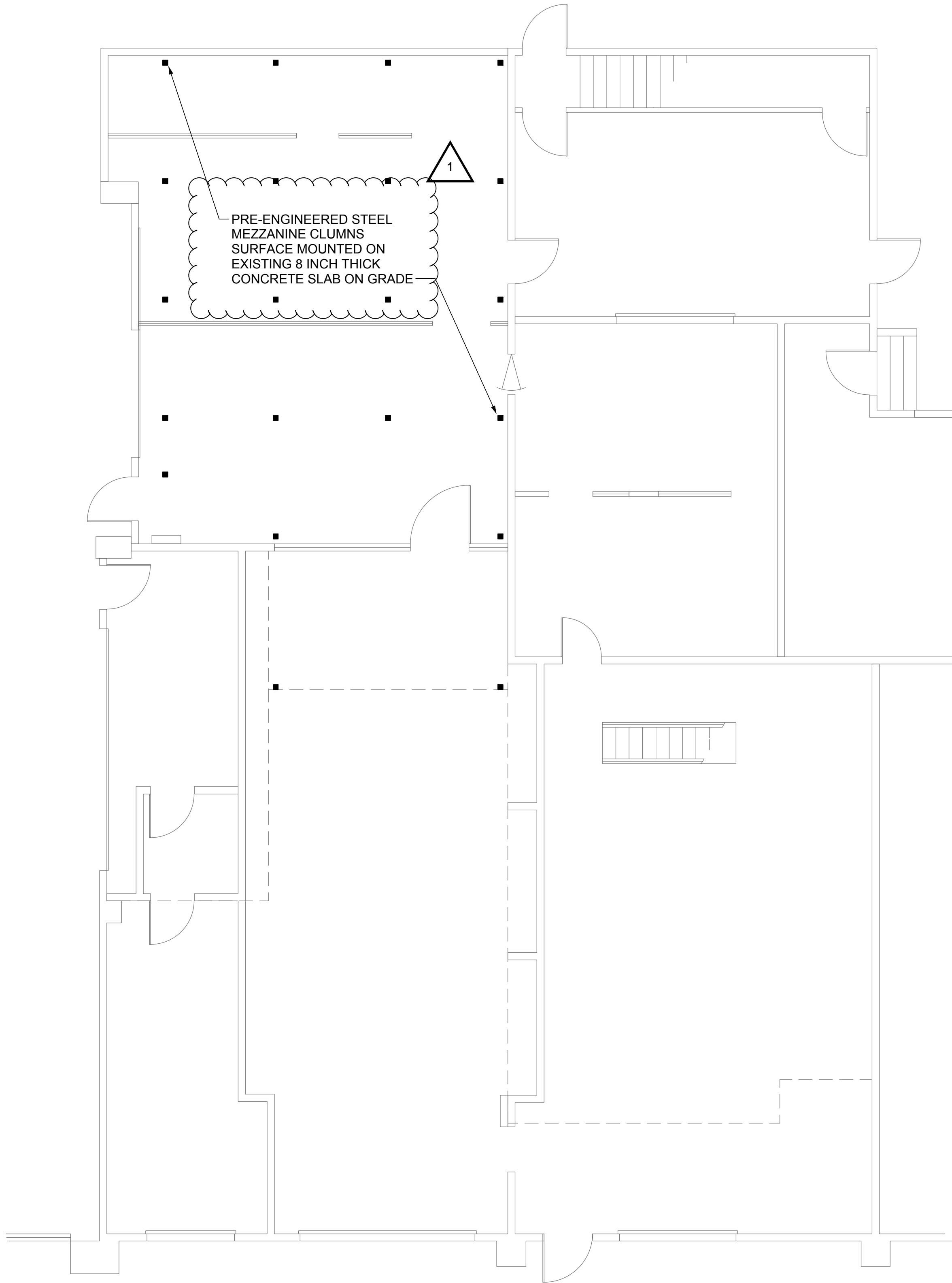
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MEZZANINE FOUNDATION PLAN

3/16" □ 1=0"

SECTION 055000 – PRE-ENGINEERED STEEL MEZZANINE

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- 1.2 SUMMARY
- A. Products furnished under this Section include the following: Pre-engineered steel mezzanine
- 1.3 COORDINATION
- A. Coordinate installation of the mezzanine structure with other work.
- 1.4 ACTION SUBMITTALS
- A. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of the mezzanine framing and their connections including connections to the existing building slab.
- 1.5 INFORMATIONAL SUBMITTALS
- A. Mill Certificates: Signed by steel manufacturers, certifying that products furnished comply with requirements.
- B. Welding certificates.
- 1.6 QUALITY ASSURANCE
- A. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel."
- B. Welding Qualifications: Qualify procedures and personnel according to the following:
1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."

- 1.7 FIELD CONDITIONS
- A. Field Measurements: Verify actual locations of construction contiguous with metal fabrications by field measurements before fabrication.

PART 2 - PERFORMANCE REQUIREMENTS

- 2.1 ALL METHODS, MATERIAL, AND WORKMANSHIP SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING AUTHORITY.
- A. DESIGN CRITERIA
1. DESIGN THE MEZZANINE FLOOR FOR MINIMUM 250 PSF LIVE LOAD
2. DESIGN GUARDRAILS, HANDRAILS, AND GRAB BARS FOR 50 PLF UNIFORM LOAD AND 200LB CONCENTRATED LOAD EACH ACTING INDEPENDENTLY.
3. DESIGN THE MEZZANINE FOR SEISMIC LOADING INCLUDING SEISMIC LOADS PER IBC SECTION 1613 AND ASCE 7 CHAPTERS 11 THRU 13 WITH THE FOLLOWING FACTORS:
- RISK CATEGORY:II
- SEISMIC IMPORTANCE FACTOR: 1.0
- Ss: 1.296
- S1:0.503
- SITE CLASS: D
- Sds: 0.864
- Sd1:0.503
- SEISMIC DESIGN CATEGORY: D
- 2.2 METALS
- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
- C. Rolled-Steel WT Sections: ASTM A 992 Fy=50 ksi
- 2.3 FABRICATION, GENERAL
- A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- C. Form exposed work with accurate angles and surfaces and straight edges.

- D. Weld corners and seams continuously to comply with the following:
1. Use materials and methods that minimize distortion and develop the strength of base metals.
2. Obtain fusion without undercut or overlap.
3. Remove welding flux immediately.
4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing.
- 2.4 STEEL COMPONENTS
- A. General: Provide steel components as needed to complete the Work.
- B. Fabricate units from steel shapes, plates, and bars unless otherwise indicated. Fabricate to sizes, shapes, and profiles indicated and as necessary for close and accurate fit-up with adjacent construction.
- 2.5 FINISHES, GENERAL
- A. Finish metal fabrications and adjacent metal surfaces after installation.
- B. Field prime steel components after installation using Universal Primer: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with MPI#79 and compatible with topcoat.
1. Use primer containing pigments that make it easily distinguishable from zinc-rich primer.
- C. Preparation for Field Priming: Prepare unpainted/ unprimed surfaces to comply with SSPC-SP 3, "Power Tool Cleaning."
1. Clean existing adjacent steel surfaces abraded, discolored, or otherwise affected by the work performed under this contract/work order
- D. Field Priming: Apply primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," on all unpainted surfaces of new steel components and to existing adjacent steel surfaces abraded, discolored, or otherwise affected by the work under this contract/work order.
1. Stripe paint corners, crevices, welds, and sharp edges.
- E. Field paint all primed steel with paint that matches color and finish of steel framing adjacent to and unaffected by the work completed under this contract/work order. Verify that the type, manufacturer, color, and finish of the paint is acceptable to the Owner by submitting color and texture samples to the Owner for acceptance before acquiring the paint. The paint shall be compatible with the primer used.
- 2.6 ADJUSTING AND CLEANING
- A. Touchup Painting: clean abraded areas. Paint uncoated and abraded areas with the same material used for field priming to comply with SSPC-PA 1 for touching up field-painted surfaces.
1. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.
- B. Touchup Painting: Clean and touchup paint field welds and abraded areas of painted surfaces.
- C. END OF SECTION 055000

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S1.01

SH 6 OF 15

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: 100% Submittal

PARCEL: 27

DRAWING SCALE: AS NOTED

MAINTENANCE MEZZANINE

MEZZANINE FOUNDATION PLAN

APPROVED:

CHECKED BY: JFS

DATE: 9/27/17

DIRECTOR ENG. DATE: JFS

PRINTED BY: CTeigen

PROJ. ENGR DATE: Oct 11, 2017

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

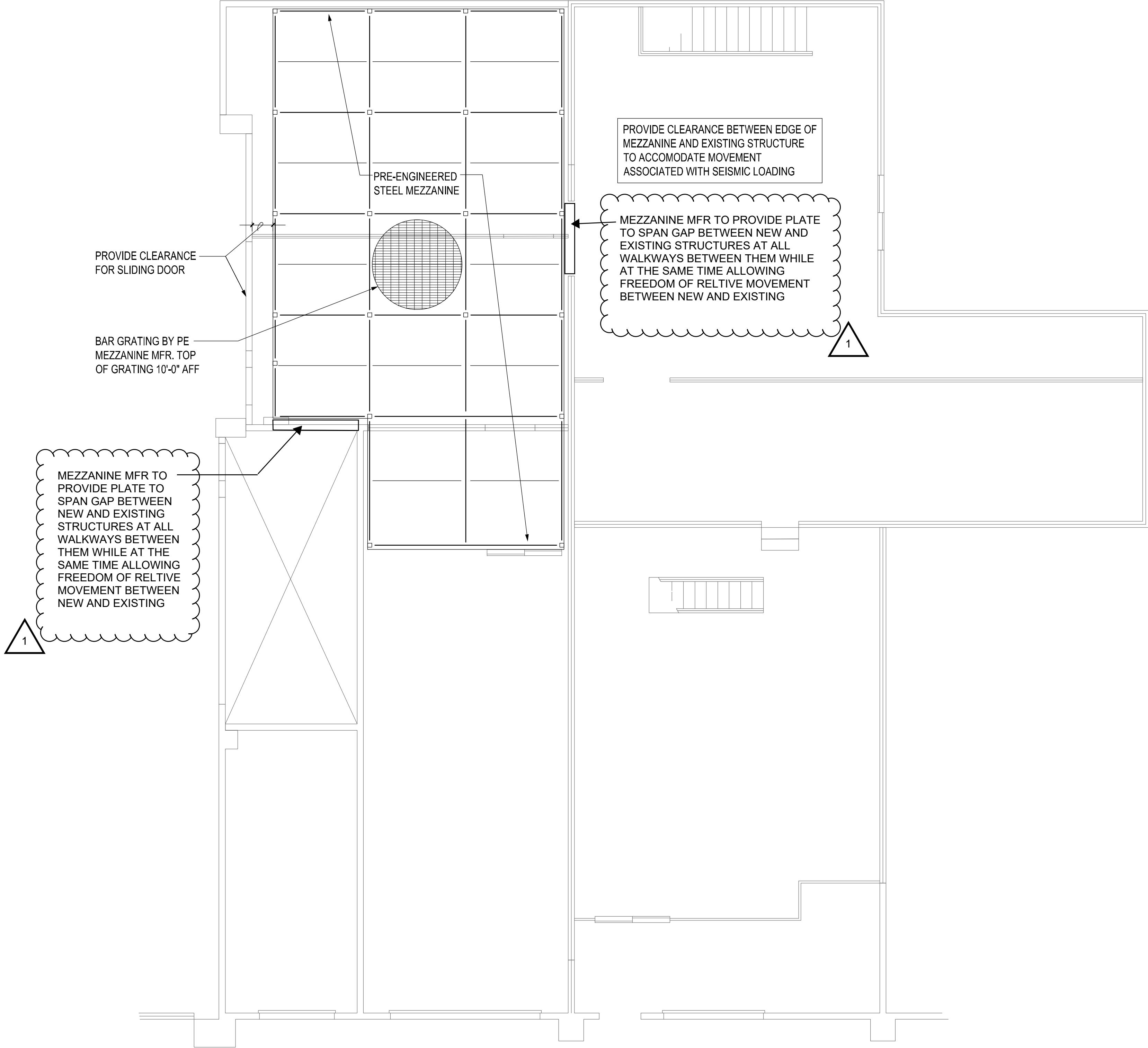
2215 North 30th Street  
Tacoma, WA 98403  
253.383.2422 TEL  
253.383.2472 FAX  
2160768.20

MARK: A

REVISION: ADDENDUM No 1

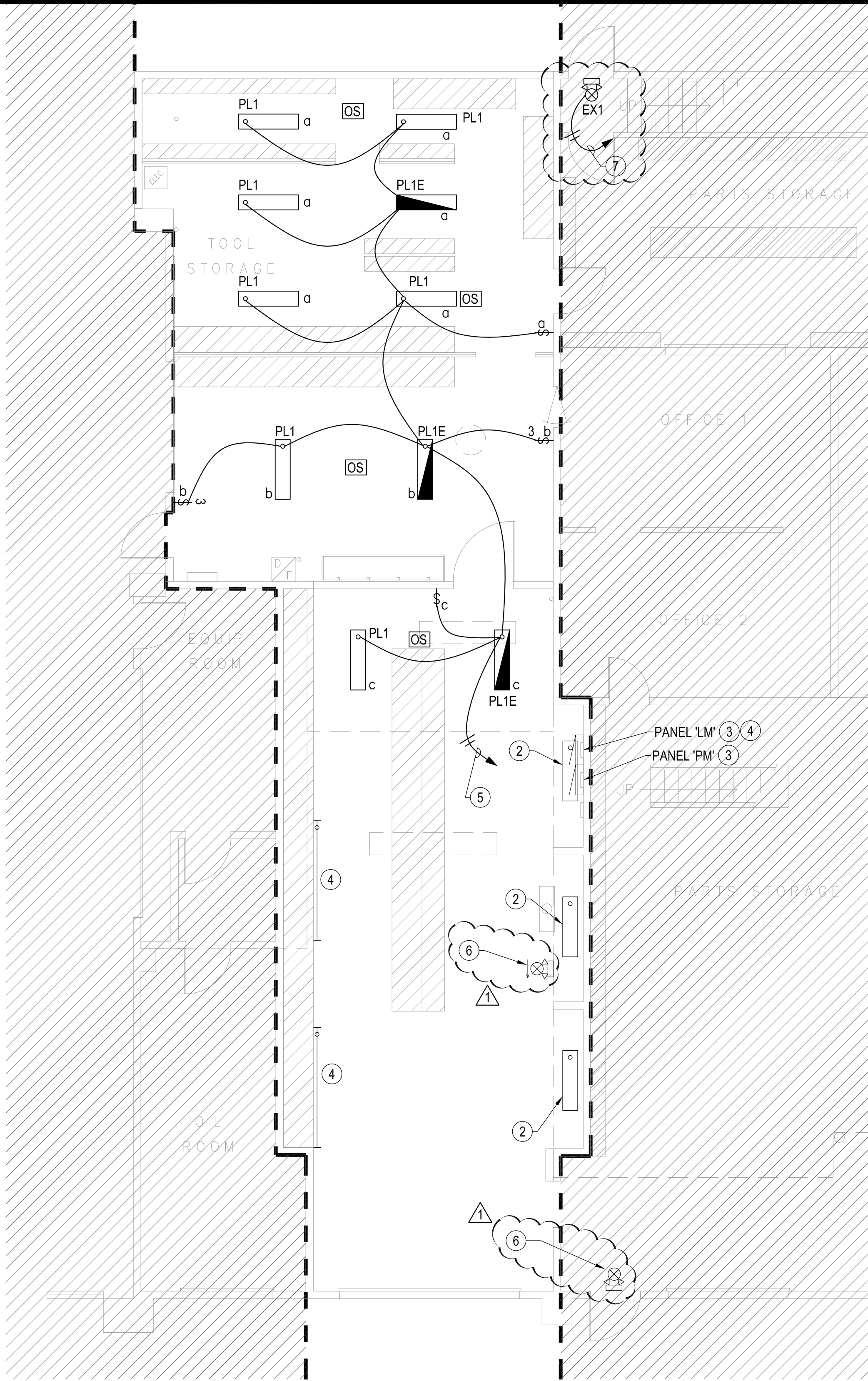
BY: JFS

DATE: 1/16/2018

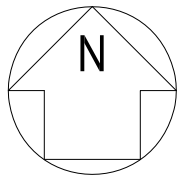


<div>6566</div> <div>S1.02</div> <div>SH 7 OF 15</div>	MAINTENANCE MEZZANINE		APPROVED:	JFS	9/27/17	
	MEZZANINE FRAMING PLAN		CHECKED BY	JFS	9/27/17	
	CONT/CONS: 070735	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34	DATE	DATE
	M. ID: 101140.01	DAT-HRZ: WA 83-SF	VERT: MLLW 19.18 @ TIDE 22, 1933	PRINTED BY: CTeigen	PROJ. ENGR	DATE
PHASE: 100% Submittal	PARCEL: 27	DRAWING SCALE: AS NOTED	PORT ADDRESS: ONE SITCUM PLAZA	TACOMA, WA 98401-1837		
			DATE: 1/16/2018			
			APPR: JFS			
			BY: JFS			
			REVISION: ADDENDUM No 1			
			MARK: A			
			2215 North 20th Street, Suite 200, Tacoma, WA 98403 253.383.3422 TEL 253.383.3272 FAX 2160768.20			
			Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (253)383-5841			

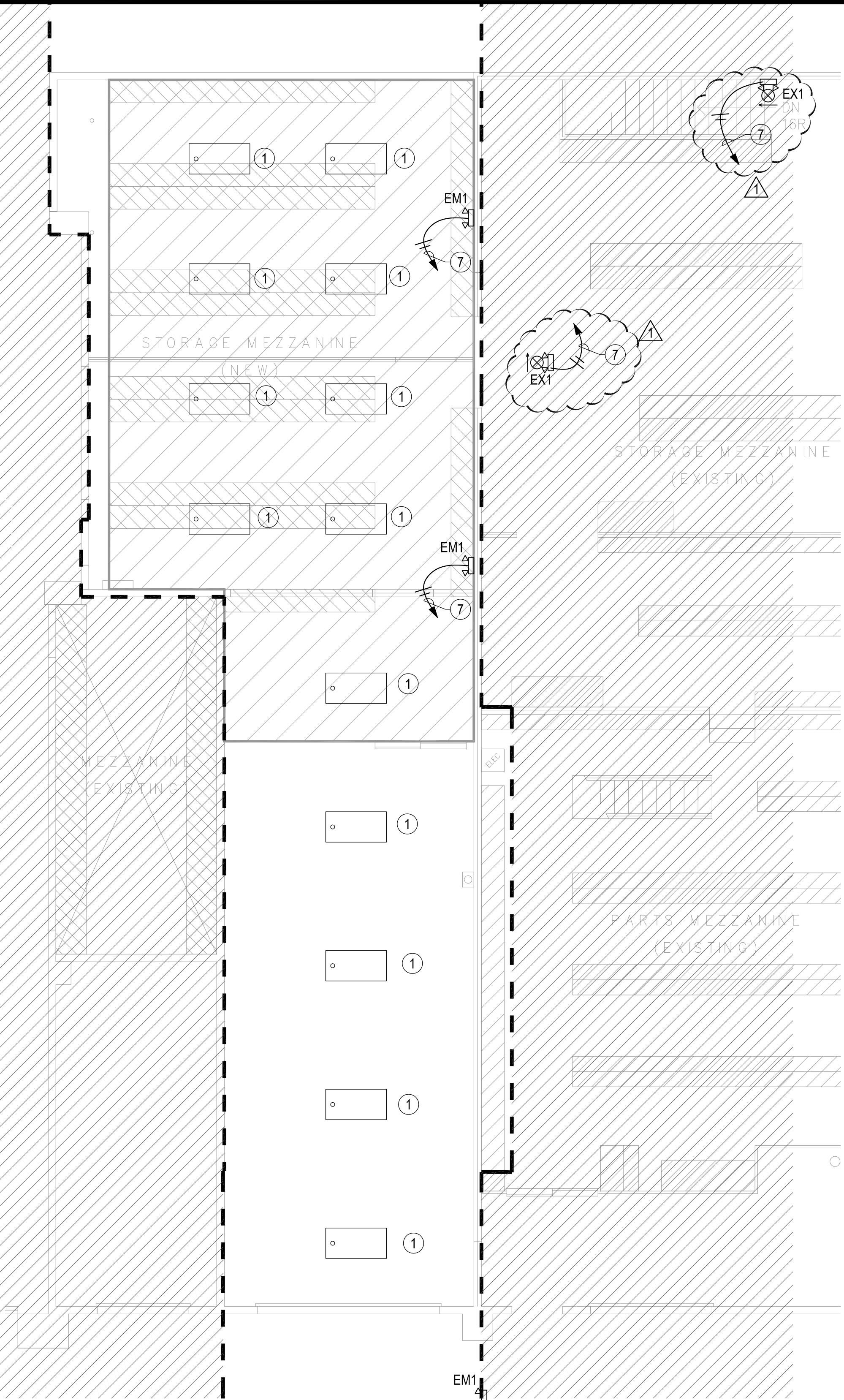
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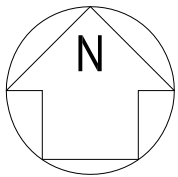
1 LOWER LEVEL LIGHTING PLAN  
SCALE: 3/16" = 1'-0"



- 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 COMBINATION EXIT AND EGRESS LIGHT FIXTURE TO REMAIN.
  - 7 CONNECT EMERGENCY EGRESS AND EXIT SIGN TO THE NEAREST UNSWITCHED 277V LIGHTING CIRCUIT.



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



6566 <b>E2.1</b> SH # 14 OF 15	MAINTENANCE MEZZANINE				APPROVED:	HS	12/19/17	12/19/17				Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (203)85-5641		
	LIGHTING FLOOR PLAN					CH	CHECKED BY	DATE	CH		DATE	APPR:	DATE: 1/16/2018	
	CONT./CONS:	070735	TOWNSHIP:	21N	RANGE:	3E	SECTION:	34	DIRECTOR	ENG.	DATE	PROJ.	ENGR	DATE
	M. ID:	101140.01	DAT-HRZ:	WA83-SF	VERT:	MLW 19.18 @ Ttle 22 1933	PRINTED BY:	DEC 19, 2017	ONE SITCUM PLAZA		TACOMA, WA 98401-1837		MARK:	REVISION:
	PHASE:	BID SET	PARCEL:	27	DRAWING SCALE:	AS NOTED							MEZZ EGRESS AND EXIT SIGN	BY:

Charles A. Hill  
Professional Engineer  
License No. 12118  
State of Washington  
Mechanical Engineering

Cardno  
Shaping the Future