

2301 CONGRESS STREET PORTLAND, MAINE BUILDING RENOVATIONS

STRUCTURAL ENGINEER

STRUCTURAL INTEGRITY CONSULTING ENGINEERS, INC.

77 Oak Street Portland, ME (207) 774-4614 CIVIL

SEBAGO TECHNICS

75 John Roberts Rd, Suite 1A South Portland, ME 04106 (207) 200-2100 ARCHITECT

HANS D. STRAUCH, AIA

Registered Architect, ME: No. AN2372

625 Mount Auburn Street Cambridge, MA 02138 (617) 714-5870 OWNER MPX & SFX

2275 Congress Street Portland, ME 04102 (800) 477-6117 CONSTRUCTION MANAGER

GREAT FALLS CONSTRUCTION

20 Mechanic Street Gorham, ME (207) 839-2744 LIFE & SAFETY
ELECTRICAL DESIGN
CONSULTANTS

P.O. Box 282 Long Island, ME (207) 766-5041

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CIVIL

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PERMIT SET JUNE 15, 2012

BUILDING CODE SUMMARY

1. GENERAL INFORMATION		
Name of Project: MPX & SFX Address: 2500 CONGRESS STREET, PORTLAND, ME		
Proposed Use: BUSINESS / WAREHOUSE		
Owner or Authorized Agent:		
Contractor: GREAT FALLS CONSTRUCTION	E=mu	<u></u>
Address:20 MECHANIC STREET, GORHAM, ME_04038		
Phone:(207) 839-2744Fax:(207) 839-3737	State	License No:
2. LEAD DESIGN PROFESSIONAL: HANS D. STRAUCH, AIA	_	
Designer Name L Architectural HANS D. STRAUCH, AIA	<u>icense #</u> AN2372	<u>Phone</u> (617) 714-5870
Civil SEBAGO TECHNICS— DAN RILEY Electrical EDC— RALPH SWEET	9967 XXXX	(207) 200–2080 (207) 766–5041
Plumping DESIGN BUILD	_	(207) 775–5755 – –
Mechanical DESIGN BUILD Sprinkler—Standpipe RESIDENTIAL FIRE Structural AARON C. JONES, PE	511 10,968	(207) 946-3473 (207) 774-4614
Letter of Supervision Provided YesX_ No		
3. GENERAL CODE DATA3.1 Building and Fire Codes used in design		
X 2009 INTERNATIONAL BUILDING CODE _X _X_ 2007 NATIONAL ELECTRIC CODE _X_ 2003 INTERNATIONAL MECHANICAL CODE _X_ 2007 LIFE SAFETY CODE (NFPA 101)	2000 INT 2003 INT 1997 STA	ERNATIONAL PLUMBING CODE ERNATIONAL PROPERTY MAINTENANCE CODE ERNATIONAL FIRE CODE ANDARD FIRE PREVENTION CODE E SAFETY CODE (NFPA 101)
New ConstructionX_ Renovation (Existing Bldg.) _	_X_Tenant E	Build—out
Alteration Addition		
SCOPE OF WORK: THIS APPLICATION FOR PERMIT IS FOR AN INTERIOR BUILD—OUT WITHIN CONSTRUCTION OF NEW WALLS, DOORS, CEILINGS, FINISHES, HVAC, PLUI NEW WINDOWS, ENTRANCE CANOPIES AND HC ACCESSIBLE ENTRANCE RA	MBING, FP & ELE	
3.2.1 Existing Buildings The building will remain in operation during construction	Yes	_ <u>X_</u> No
3.2.2 Renovations		
Is the work in this building or space a change of	occupancy? _	Yes X_No
3.2.3 Historic buildings		
This building is a Historic BuildingYes _X_No		
3.2.4 Compliance Alternatives—Section 3409	<u>N/A</u>	
Provide building evaluations when existing building does not will not meet all requirements of current building code. It and a second evaluation reflecting those design features the building a positive score for fire safety, means of egr Building Inspector if you are not sure whether evaluation sheet (Table 3409.7) on drawings including applicable calc	Provide evalue chosen by the ress, and gen is required or	ation of existing building e Architect/Engineer to give Jeral safety. Call Chief
4. BUILDING DATA		
Construction Type IA IB IIA _X IIB II IIIB IV VA VB	IA	
Mixed Construction X No Yes Types Sprinklers No _X Yes Partial		
System Type <u>X</u> 13 <u>1</u> 13R <u>1</u> 13D		
Standpipes X No Yes Wet Dry Class Building Height20' Feet1_ Number of Stories		
Mezzanine: X_No Yes		p 3
High Rise X No Yes Atrium X No Yes		
Basement No _X_ Yes		
5. OCCUPANCY CLASSIFICATION Assembly 303	I-3 H- _ I-4 _ 5	
Parking Garage 406.2 Open 406.3	Enclosed 40	06.4 Repair 406.6
5.1 Special Occupancy N/A S-2 Enclosed Parking Garage w/ S-2 open parking of the control of		

5.2 Mixed Occup	ancy No _	X_ Yes Separation	_ <u>1</u> Hr
xception dentify whether you are u lacing an "x" below by y	sing the provisio		d uses or Separated uses by
X Non-Separated Mixed	Occupancy		
The required type of const		building shall be de	termined by applying the
	for each of th	e applicable occupai	ncies to the entire building. The
eparated from adjacent a ire—resistance rating dete or each story, the area o ctual floor area of each	g shall be indiv reas by fire bar rmined in accord of the occupanc	rier walls or horizon dance with Table 30 y shall be such that	to use and shall be completely tal assemblies or both having a 2.3.3 for the uses being separated the sum of the ratios of the rea for each use shall not exceed
Incidental Use Areas <u>Actual Area of Occupanc</u> Allowable Area of Occupar	<u>y A</u> + <u>Actual</u> ncy A Allowab	Area of Occupancy le Area of Occupan	<u>B</u> cy B ≤ 1
6. ALLOWABLE AREA		TABLE 503	
6.1 Allowable Area N	<u>/A</u>		
Allowable areaActual area	<u>-</u>	Sq. Ft	
6.2 Allowable Heights Allowable height Allowable no. of stories _ Actual building height	Ft	NG BUILDING MEETS (FOR FACADE IMPROVE	<u>CRITERIA</u> MENTS & INTERIOR BUILD-OUT ONLY
Actual no. of stories			
7. OCCUPANT LOAD Occupant Load /floor 1 =	= <u>289</u> perso	FIRST FLOOR : 12,552 GROSS S.F. (49,328 GROSS S.F.	DF BUSINESS — 100 GROSS S.F. PER OCCUF OF STORAGE — 300 GROSS S.F. PER OCCUF
Occupant Load /floor LL	=pers	•	or Stoutton Good Green Str. Felt Good
7.1 PLUMBING REQUIR First floor female =5 First floor male =5 Lower level female = Lower level male =	fixtures fixtures fixtures		25 FOR 1ST 50/= 2 50 FOR THE REMAINDER = 6 00 = 1
8. FIRE PROTECTION	REQUIREMENT:	·	
8.1 Table 601			
Building Element	Req'd	Rating UL No.*	_
Structural frame, Including columns, girders, tru Bearing Walls	isses	00_	
Exterior Interior		0 0 0	
Non—bearing walls and partition Exterior Interior	s 	00	
Floor Construction		0 0	
(Including supporting beams of Roof construction	,	0 0	
(Including supporting beams of	nd joists)	.000 CRITERIA	
LAISTING	DOILDING MILL 13	CITILINA	
8.2 Other Rated Elem	nents		
	Element	UL*	UL*
Interior Walls Bearing	N/A	Hourly Rating	Number
Non-bearing _	N/A N/A		
Ceiling-Floors _ Beams _	N/A		
Columns _ Ceiling—Roofs	N/A N/A		
Shafts—Exit — Shafts—Other —	N/A N/A		
Corridor Separation _	N/A		
Occupancy Separation _ Party/Fire Wall _	N/A N/A		
Separation:	N/A		

1. All fire rated walls shall be identified on plans by hatching, shading, etc.; show legend.

2. Identify code section when using any special exceptions, etc.

Smoke Barrier

FOOTNOTES

Separation: Tenant Separations:

* Or other approved agencies

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8.3 Draftstopping
       Draftstopping in floor (716.3) ___ Yes X No
       Draftstopping in attic (716.4) ___ Yes X__ No
        8.3.1 Distance to Property Line from Exterior Wall (Table 602)
        (Site Plan/Reference Plan required)
       Fire Separation Distance __N/A ____ Ft EXISTING BUILDING - INTERIOR BUILD-OUT
       Fire Resistance Rating <u>N/A</u> Hrs EXISTING BUILDING — INTERIOR BUILD—OUT
        8.4 Life Safety Systems
        1003.2.11 Emergency Lighting: ____ No __X_ Yes 1003.2.10 Exit Signs: ____ No __X_ Yes 907 Fire Alarm: ____ No __X_ Yes
        907.2.6.2.3 Smoke Detection Systems: ___ No _X_ Yes Panic Hardware: ___ No _X_ Yes
        9. EXIT REQUIREMENTS
        9.1 Exit Access (1015)
       No. of exits required ____8___
No. of exits furnished ___11___
         9.2 Means of egress width (1005.1)
        Units of Exit required \underline{176} inches [(.2) / PERSON] [352] = 176
        Units of Exit furnished <u>408</u> inches
         Stair width units required 36 inches [(.3 / PERSON] [66] = 19.8
        Stair width units provided 42 inches
         9.3 Diagonal Rule
         Meets 1004.2.2.1 <u>X</u> Yes ___ No
         9.4 Travel Distance (Table 1004.2.4)
        Allowable Travel Distance 250 (SPRINKLERED) Ft
         Actual Travel Distance (Maximum) <u>±175</u> Ft
) = 164 9.5 Spaces with one means of egress(IBC 1004.2.1)
        For buildings with one means of egress, I have checked the occupant load and the common path of travel against the requirements IBC 1004.2.1. NAYes ___No
         10. LIFE SAFETY PLAN
         Provided ___ Yes ___ No (If yes, Drawing No.)
        11. ACCESSIBILITY (Chapter 11)
        Design conforms to ANSI Standard 117.1. X_Yes ___ No If no, explain condition that will not allow building to be accessible.
        12. DESIGN LOADS N/A - EXISTING BUILDING MEETS CRITERIA
APPLICATION FOR FACADE IMPROVEMENTS & INTERIOR BUILD-OUT ONLY
        Classification of Building Category/Use Group BUSINESS (I, II, III, IV)
         Live Load
       Roof ___N/A___ PSF
Attic ___N/A___ PSF

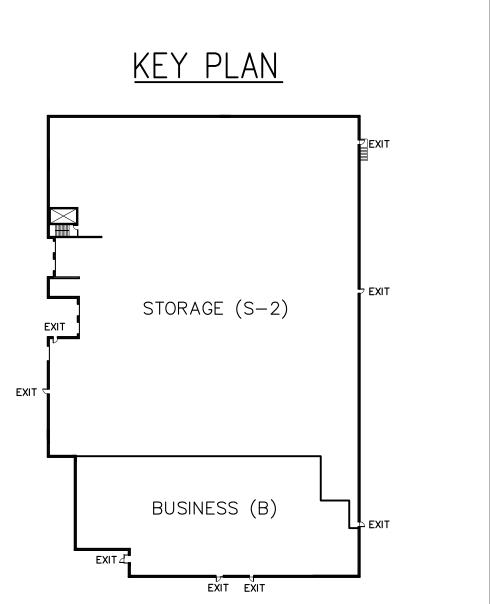
Mezzanine N/A____ PSF

Floor _____N/A ____ PSF
        Wind Load: Basic speed ___N/A __ MPH (3—second gust, ASCE—7—98 Edition)

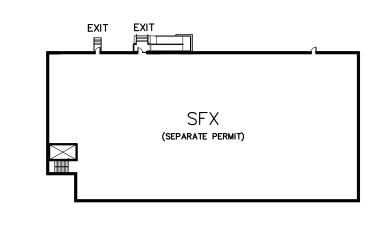
Exposure____N/A ___ Importance Factor __N/A _____
           Internal Pressure Coefficient N/A___
        Components & Cladding ____N/A__
        Building will be designed as X_{\text{Enclosed}} building X_{\text{Descent}} Building
         Wind Borne Debris Region (1609.2)
               This building will use impact resistant glass per 1609.1.4. ____ Yes X_N
               This building will use wood structural panels per exception 1609.1.4. ___ Yes X No
               This building will use shutters.____ Yes __X No
               Allowable soil bearing N/A pounds / sq. ft.
              Soil Report ____ Yes N/A No.
        Earthquake Design
               Seismic Design Load Controls ____Yes N/A No
```

If seismic design controls, furnish data required in 1603.1.5.

```
13. SPECIAL DETAILED REQUIREMENTS
I have reviewed the special detail requirements in Chapter 4 as indicated
below and incorporated the provisions into my design.
REQUIREMENT
                               APPLICABLE
                               (Yes or N/A)
 402 Covered Mall building
 403 High rise buildings
404 Atriums
 405 Under Ground buildings
 406 Motor-vehicle Related Occupancies
 407 Group I−2
408 Group 1-3
409 Motion Picture Projection Rooms
410 Stages & Platforms
411 Special Amusement Buildings
412 Aircraft Related Occupancies
413 Combustible Storage
414 Hazardous Materials
415 Groups H-1, H-2, H-3, H-4, & H-5 416 Application of flammable finishes
417 Drying Rooms
418 Organic Coatings
```



First Floor



Lower Level



625 Mount Auburn Street Cambridge MA 02138 T 617.714.5870 T 617.714.5889

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2301 Congress Street Portland, ME

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Project Number :	199
Drawn By :	VF
Checked By:	HDS

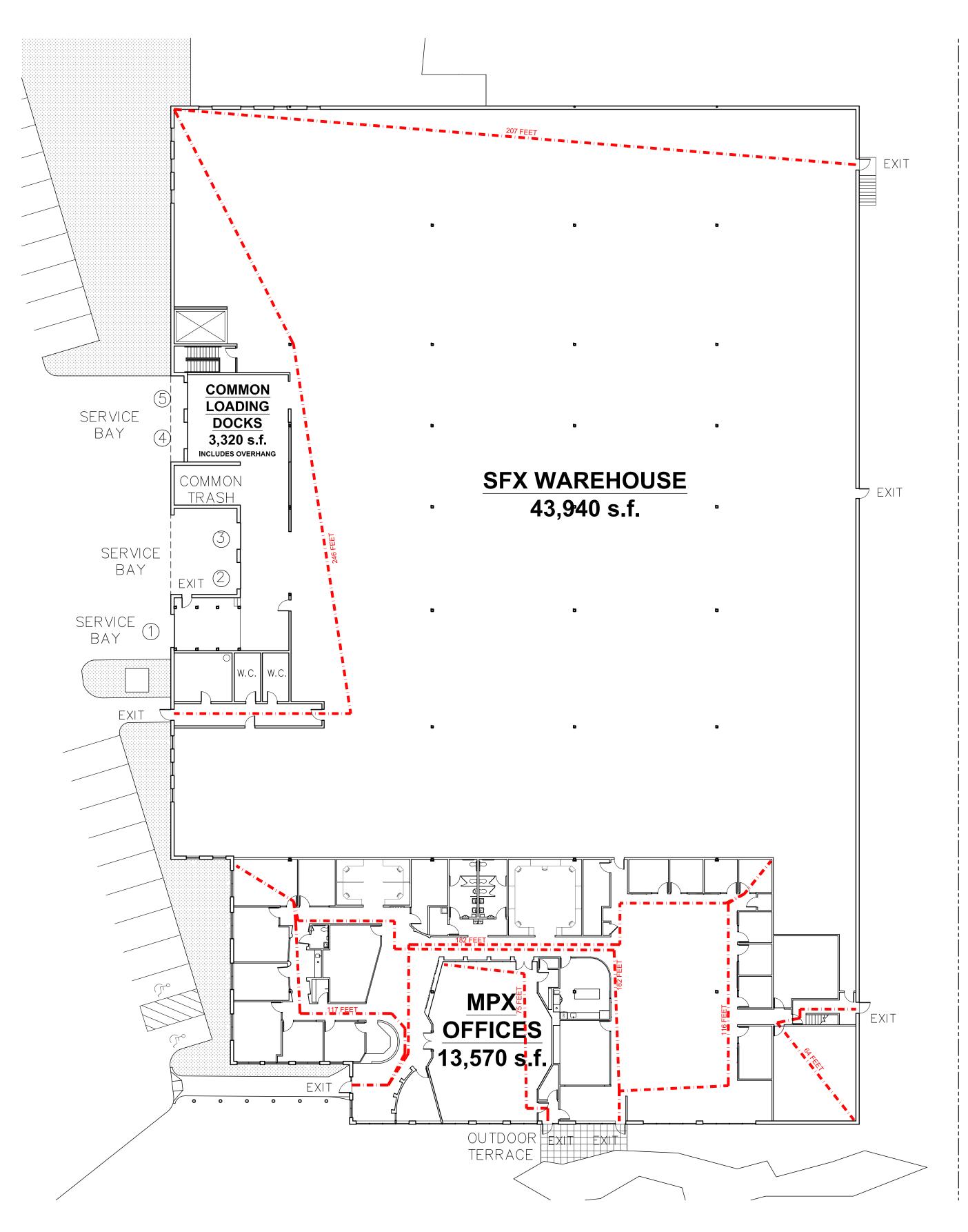
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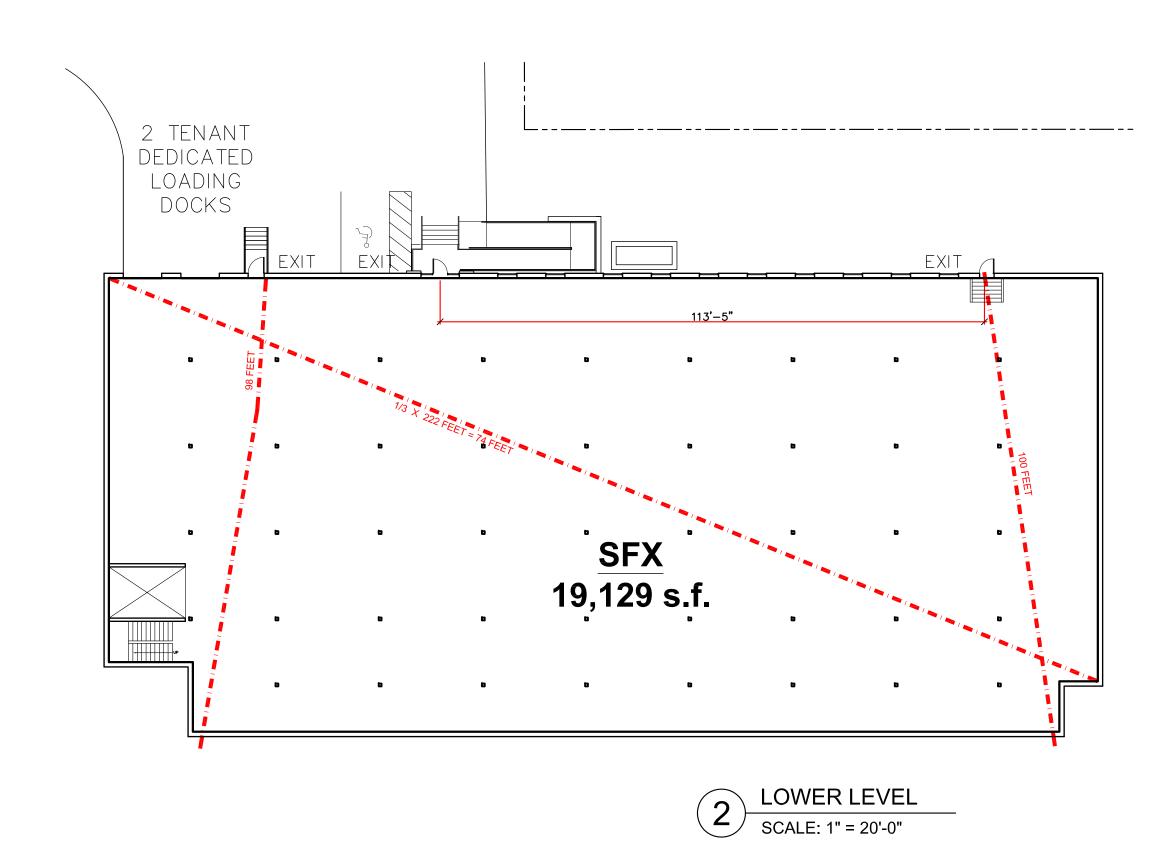
BUILDING CODE SUMMARY

HANS D.
STRAUCH
No. AND 372

Sheet No.:

A0.0





ALL LENGTH OF EXIT ACCESS TRAVELED LESS THAN 250 FEET

ALL COMMON PATH OF TRAVEL LESS THAN 100 FEET



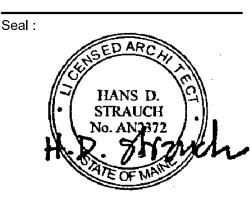
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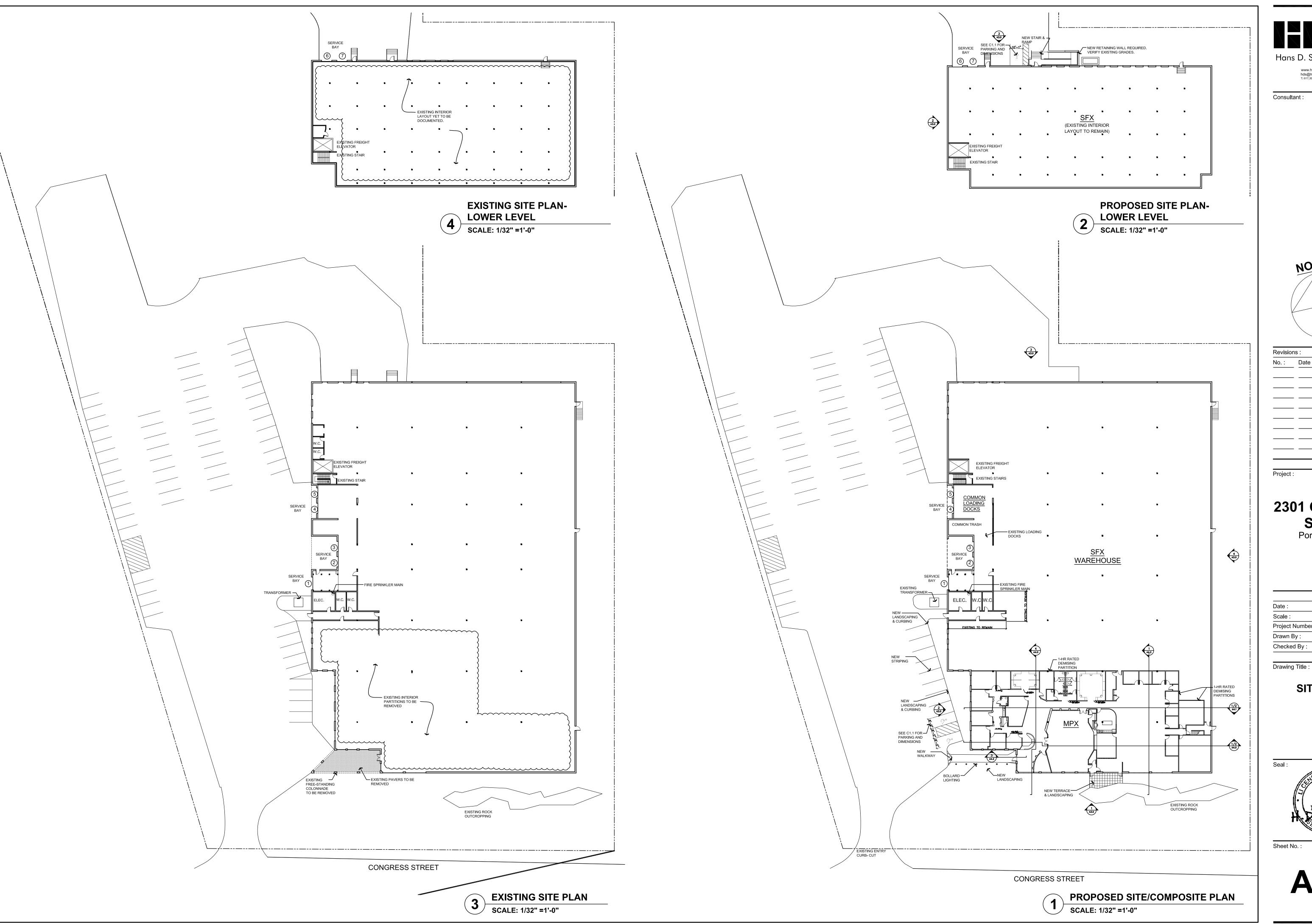
EXIT TRAVEL DISTANCES



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A0.1







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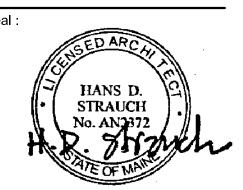
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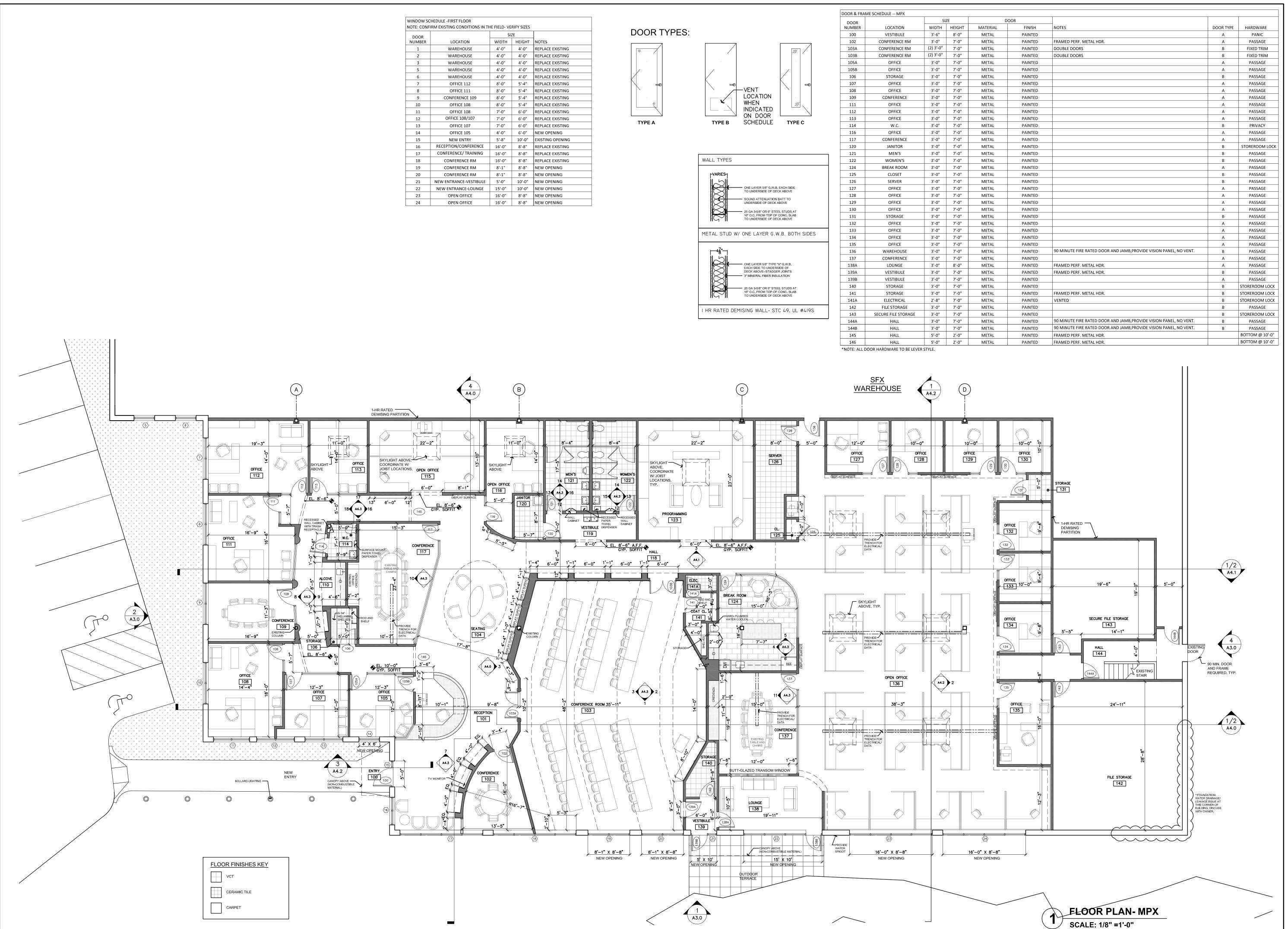
Street
Portland, ME

JUNE 15, 2012 1/8"=1'-0" Project Number Drawn By:

SITE PLAN



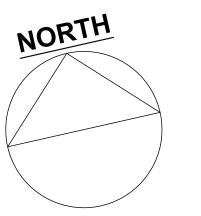
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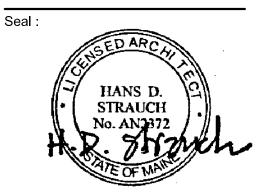
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Project

FLOOR PLAN MPX



Sheet No.:

A1.1

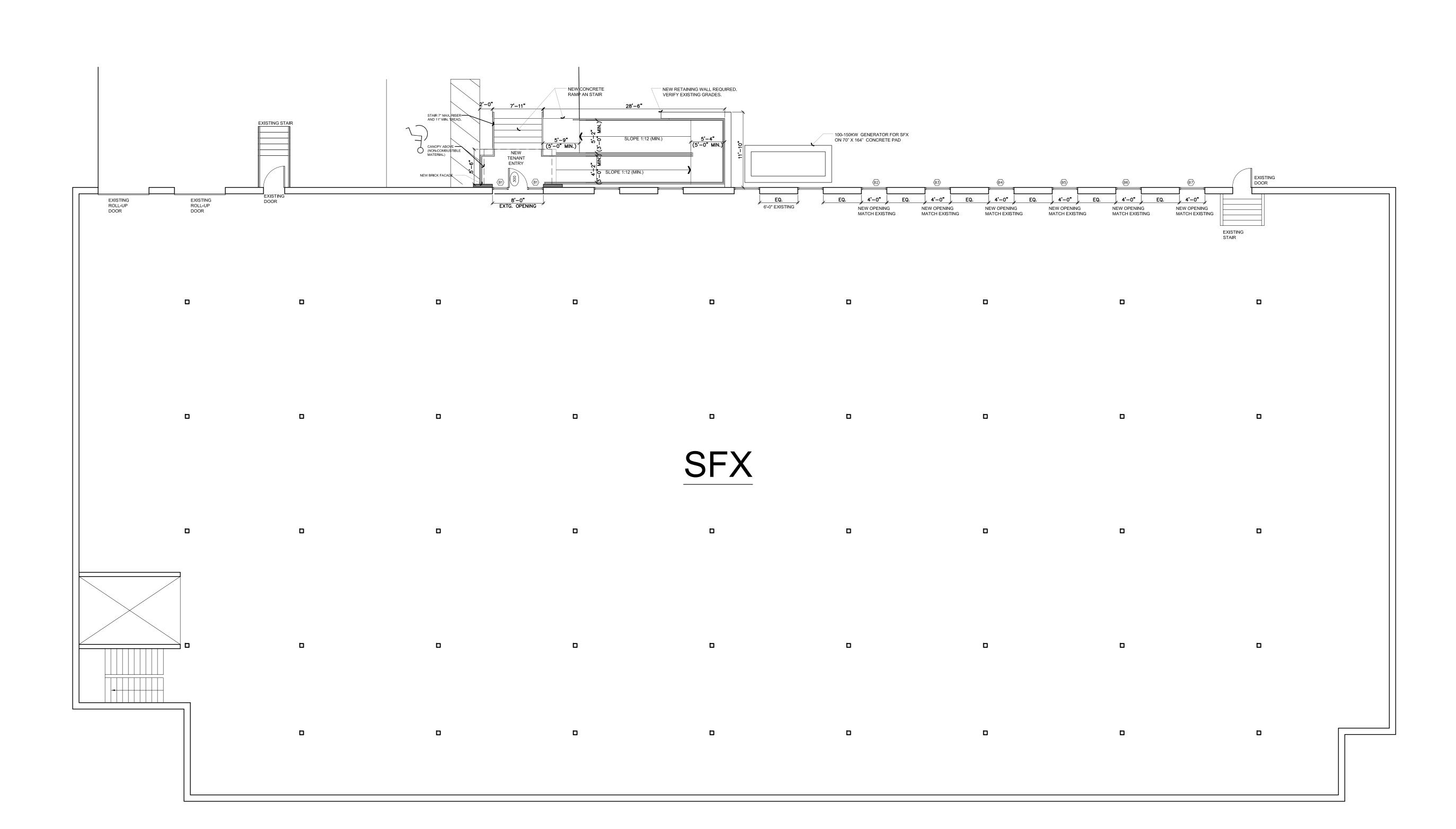
DOOR		SI	ZE	DO	OOR			
NUMBER	LOCATION	WIDTH	HEIGHT	MATERIAL	FINISH	NOTES	DOOR TYPE	HARDWAI
300	LOWER LEVEL ENTRY	3'-0"	8'-0"	METAL	PAINTED		A	

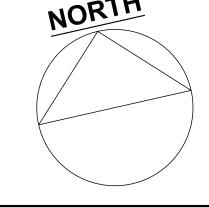
	HEDULE -LOWER LEVEL			
NOTE: CONFI	IRM EXISTING CONDITIONS IN TI	HE FIELD- VE	RIFY SIZES	
DOOR		SI	ZE	
NUMBER	LOCATION	WIDTH	HEIGHT	NOTES
B1	NEW LOWER LEVEL ENTRY	6'-0"	10'-0"	MODIFIED EXISTING OPENIN
В2	LOWER LEVEL	4'-0"	4'-0"	NEW OPENING
В3	LOWER LEVEL	4'-0"	4'-0"	NEW OPENING
В4	LOWER LEVEL	4'-0"	4'-0"	NEW OPENING
B5	LOWER LEVEL	4'-0"	4'-0"	NEW OPENING
В6	LOWER LEVEL	4'-0"	4'-0"	NEW OPENING
В7	LOWER LEVEL	4'-0"	4'-0"	NEW OPENING

FLOOR PLAN- LOWER LEVEL

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







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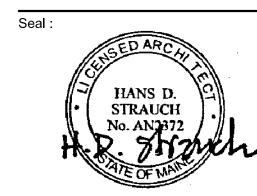
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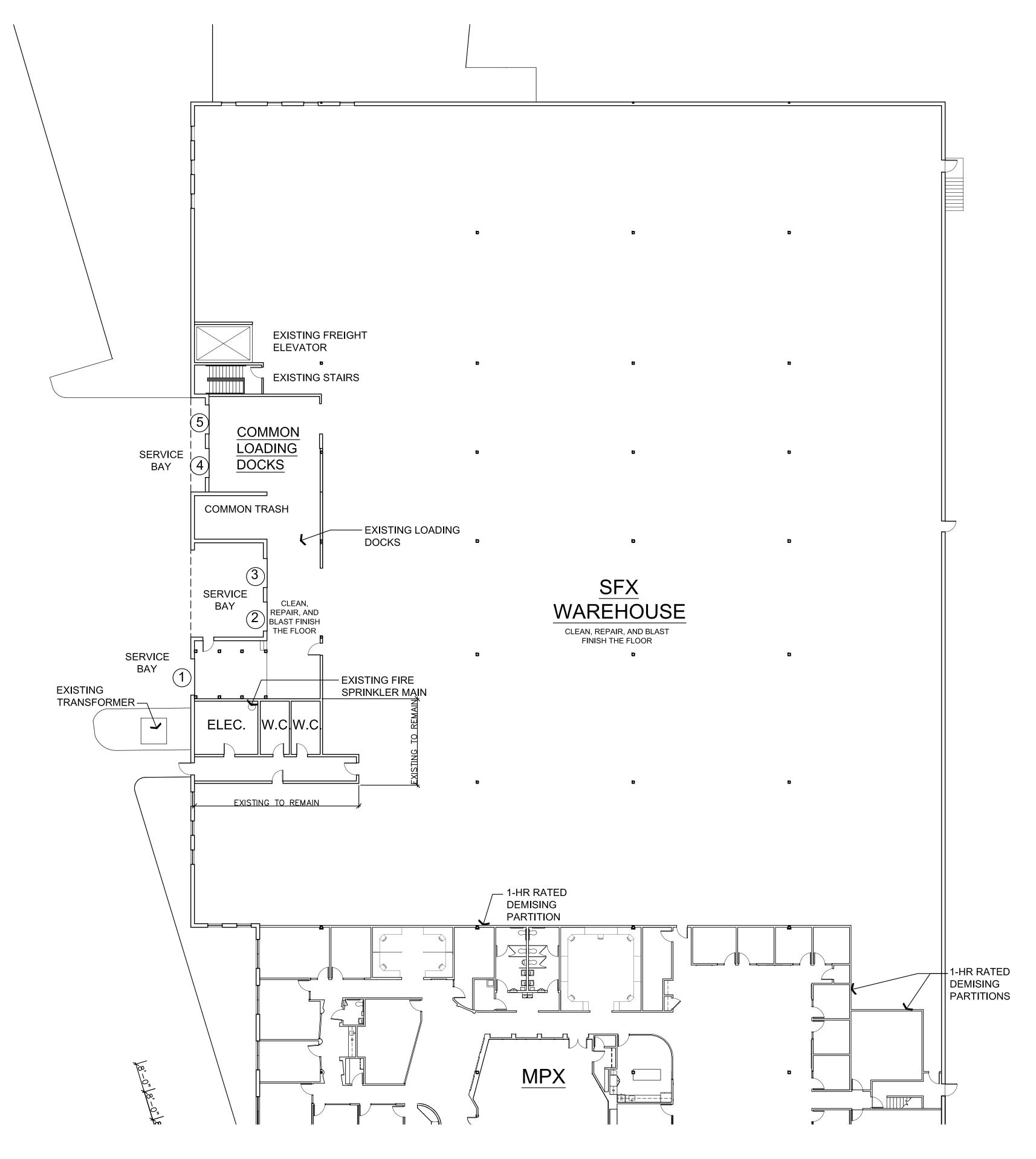
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FLOOR PLAN LOWER LEVEL

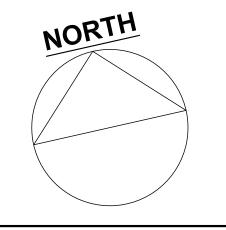


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A1.2







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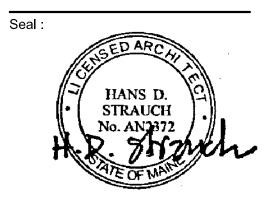
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FLOOR PLAN MPX/ SFX WAREHOUSE

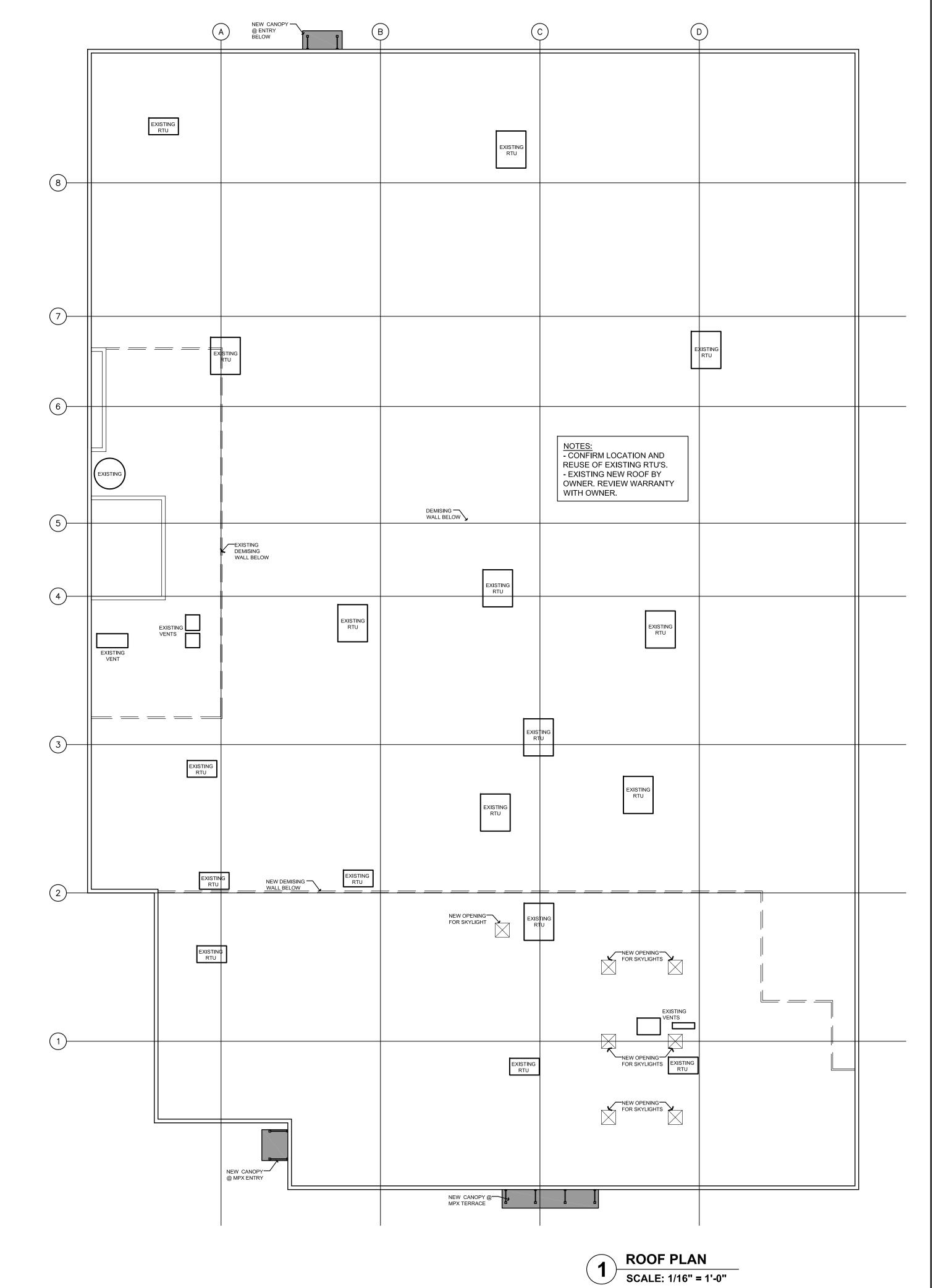


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FLOOR PLAN- SFX WAREHOUSE

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

A1.3





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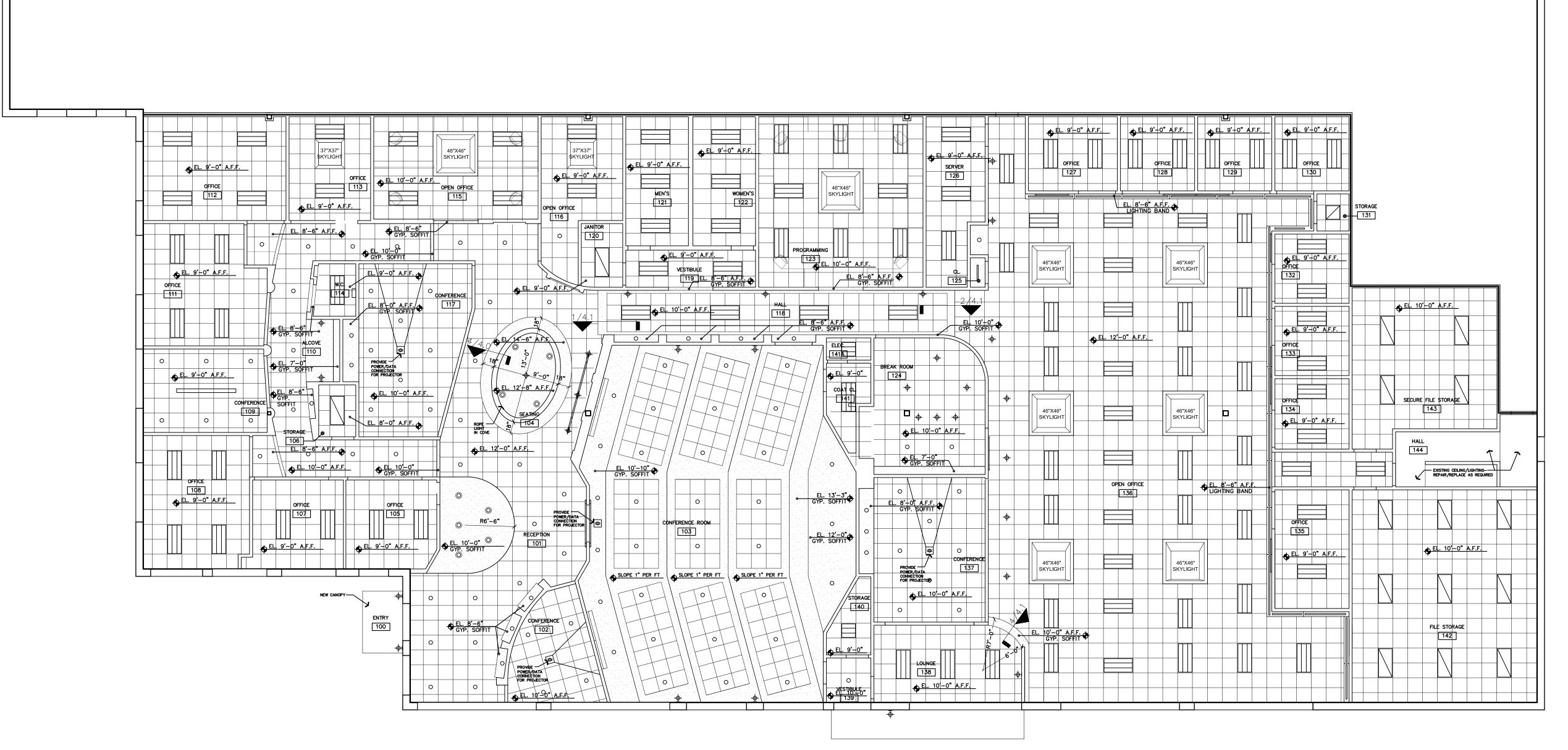
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ROOF PLAN



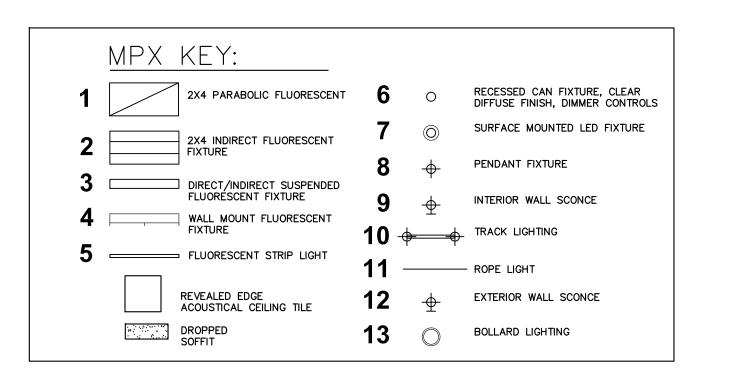
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REFLECTED CEILING PLAN-MPX

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





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

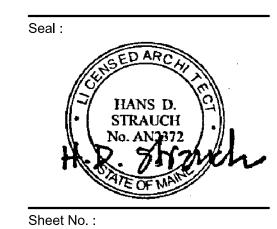
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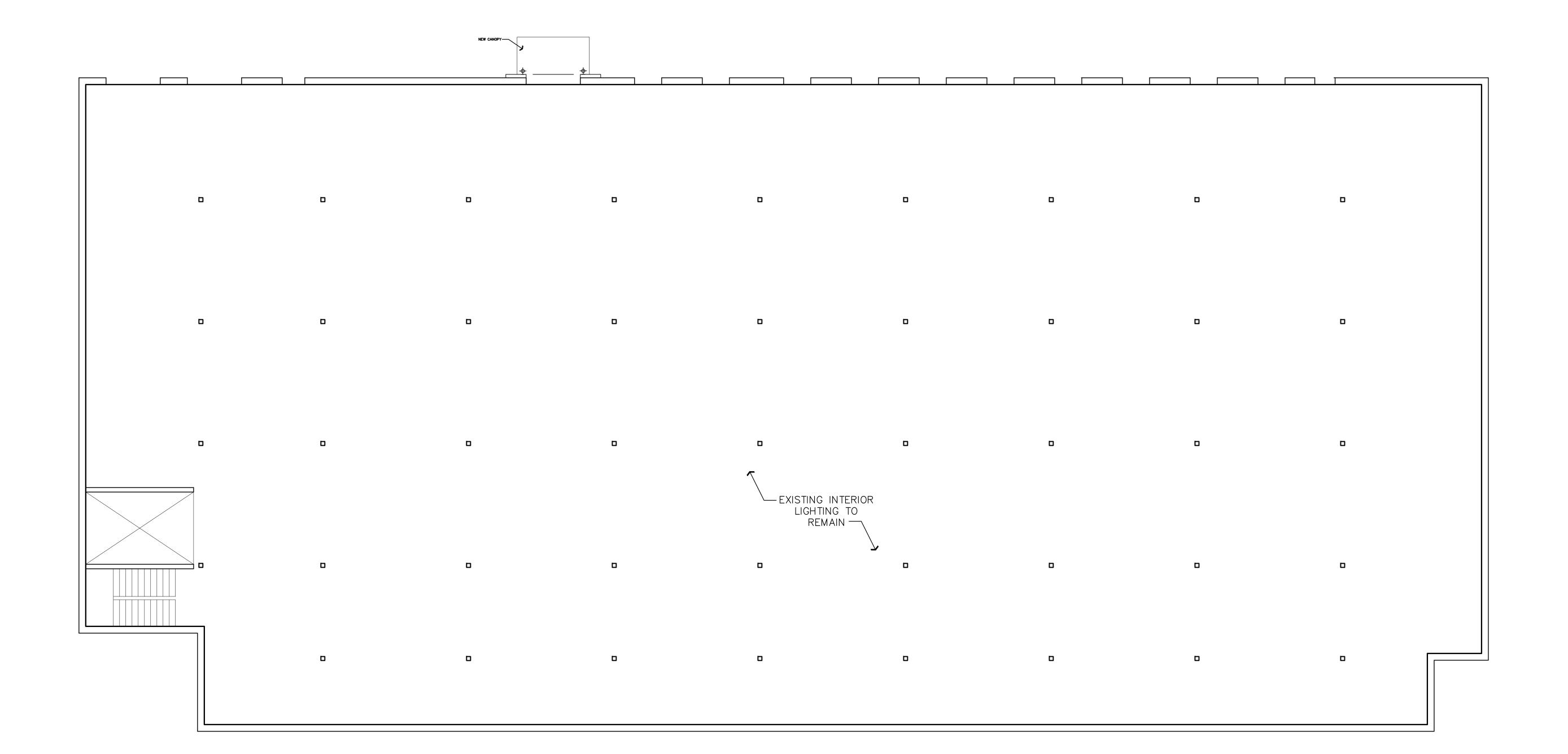
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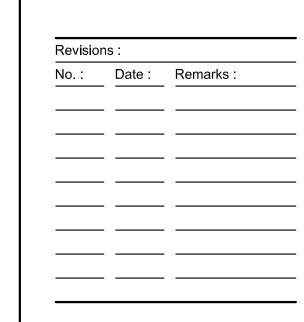
REFLECTED CEILING PLAN MPX



A2.1





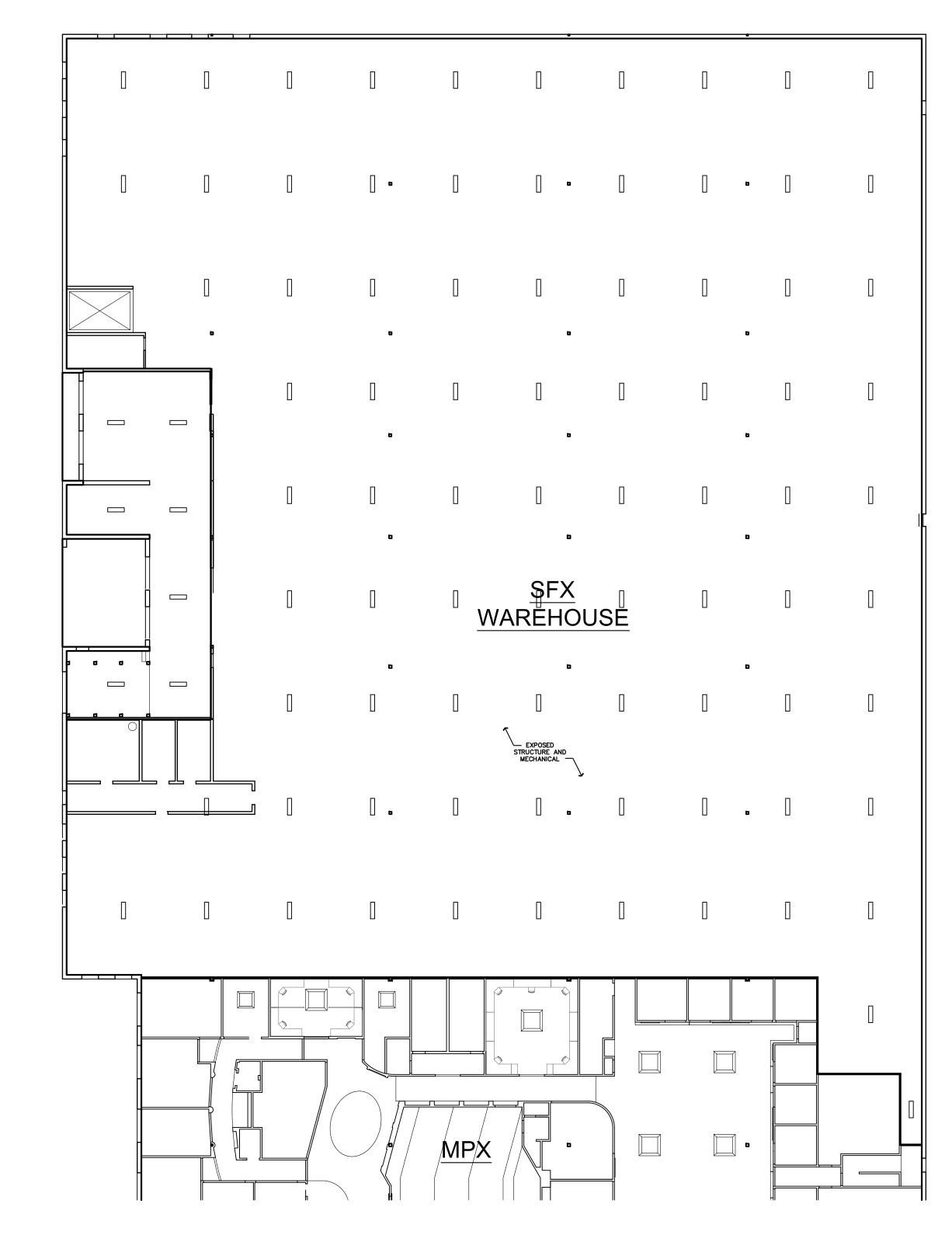


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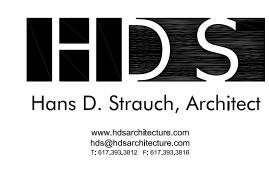
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REFLECTED CEILING PLAN LOWER LEVEL





	WAREHOUSE KEY:
14	SUSPENDED FLUORESCENT FIXTURE, HIGH EFFICIENCY, MOTION DETECTORS



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 Date :
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 Scale :
 1/8"=1'-0"

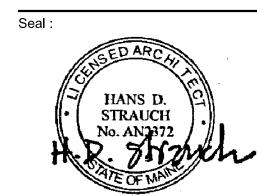
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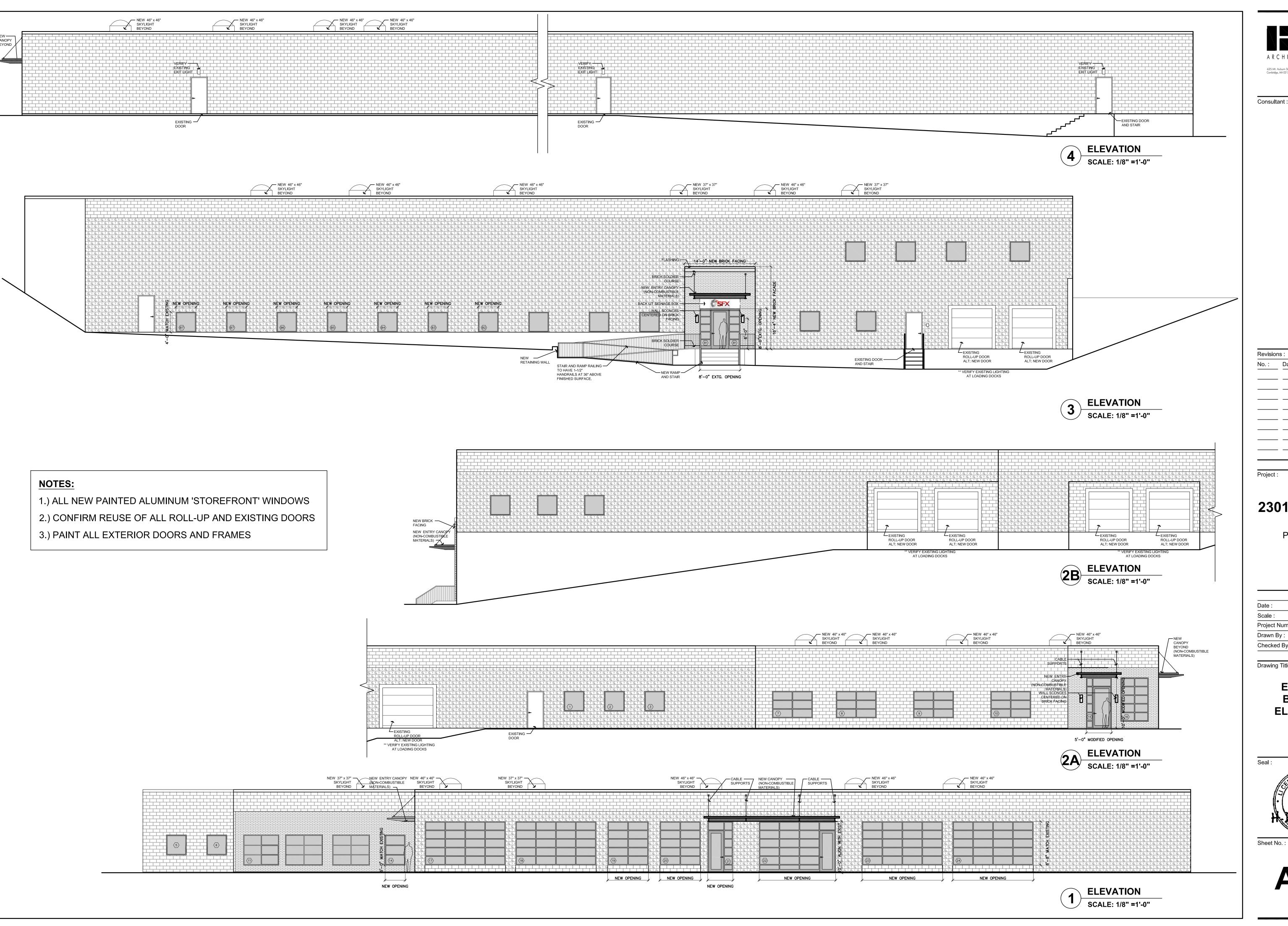
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REFLECTED CEILING PLAN SFW WAREHOUSE



Sheet No

A2.3





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2301 Congress **Street**Portland, ME

JUNE 15, 2012 Date: 1/8"=1'-0" Scale : Project Number Drawn By: HDS Checked By:

Drawing Title :

EXTERIOR BUILDING ELEVATIONS

Seal :







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2301 Congress Street Portland, ME

 Date :
 June 15, 2012

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

 Project Number :
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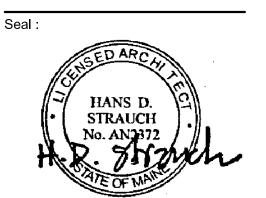
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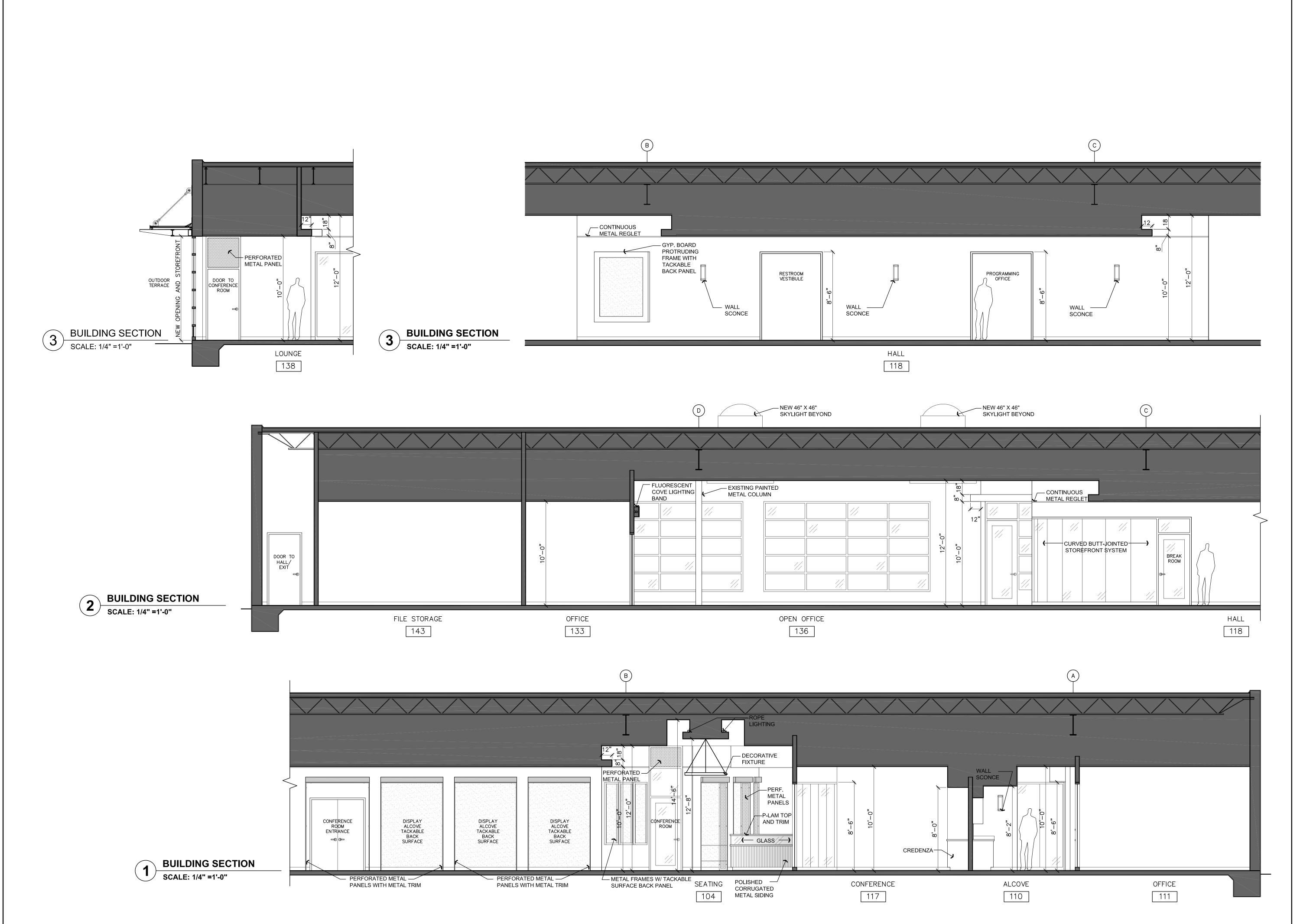
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BUILDING SECTIONS MPX



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2301 Congress Street Portland, ME

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

 Project Number :
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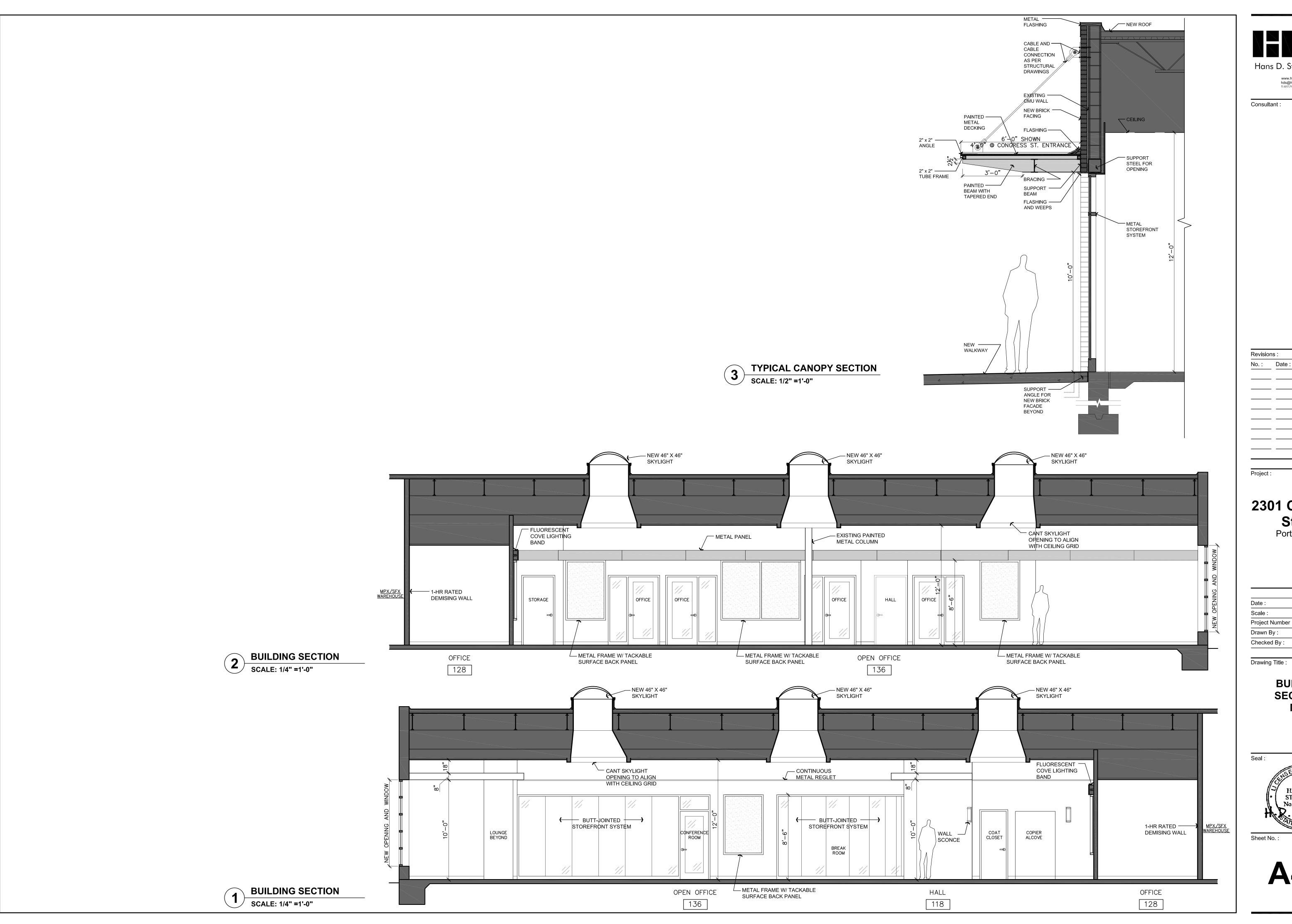
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BUILDING SECTIONS MPX

HANS D.
STRAUCH
No. AN 2372

Sheet No. :

A4.1





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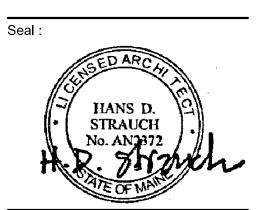
2301 Congress Street
Portland, ME

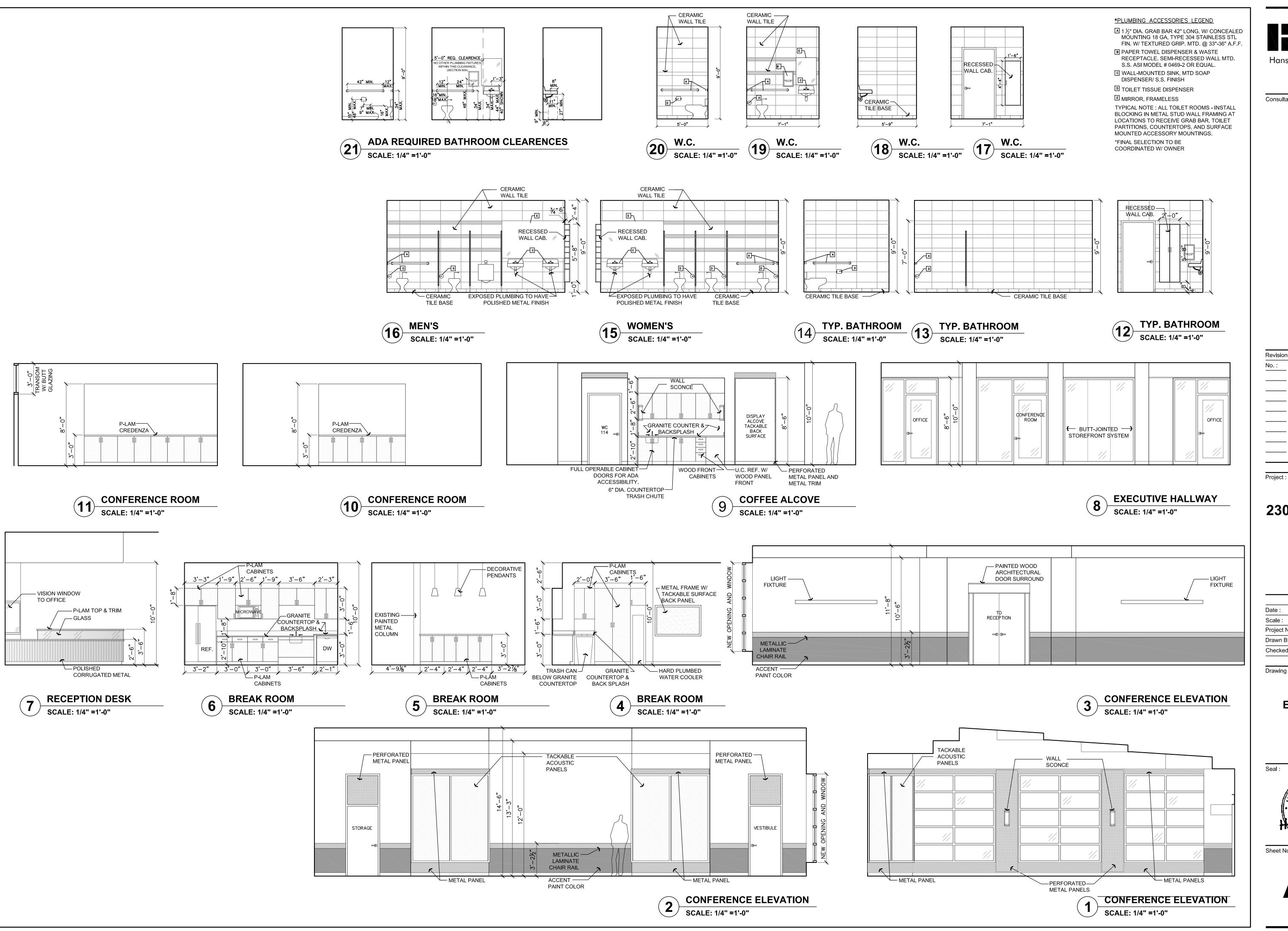
> June 15, 2012 1/4"=1'-0" 1990

> > VR

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BUILDING SECTIONS MPX





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Consultant :

Revisions: No.: Date: Remarks:

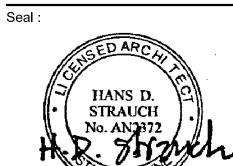
2301 Congress

Street
Portland, ME

Date :	June 15, 2012
Scale :	1/4"=1'-0"
Project Number :	1990
Drawn By :	VR
Checked By:	HDS

Drawing Title:

INTERIOR ELEVATIONS MPX



Sheet No.:

GENERAL STRUCTURAL NOTES

2301 Congress Street Renovation Portland, ME

DESIGN LIVE LOADS: 2009 IBC/MUBEC, U.O.N. * Main Level Floors and Dock * Ground Snow Load 50 psf = Pg

FOUNDATION:

- * Foundations are designed without an engineer's soil investigation. Foundation design criteria was assumed for purposes of foundation design and shall be confirmed by a soils engineer, at owner's expense, prior to construction. (This procedure may require revisions to foundation design, at additional expense to the owner, if soils engineer determines that such design criteria are inappropriate for this building site.)
- Footings shall be placed on undisturbed natural soil or compacted fill tested and approved by soils
- * Maximum design soil pressure: 1,500 psf

FOUNDATION WALLS:

- * Design lateral soil pressure (equivalent fluid pressure):
- * Backfill all retaining walls with free draining granular material except the top two feet.
- * Provide perimeter drain system with invert minimum of 6" below bottom of basement slab. Extend
- perimeter drain to daylight or to sump. * Slope perimeter grade away from building.
- * Place concrete continuously without horizontal cold joints.

CONCRETE AND REINFORCEMENT:

* Concrete shall conform to applicable provisions of ACI-301 and 318.

Minimum 28 day compressive strength (F'c)

as follows: psi w/ 4-6% air entrainment Footings:

Foundation Walls: 4.000 psi w/4-6% air entrainment

Exterior Slabs: 4,500 psi w/4-6% air entrainment and fiber mesh

- * Cement Type: I/II
- * Deformed reinforcement: ASTM A615 grade 60, except bars specified to be field-bent, stirrups, and ties which shall be grade 40.
- * Fibremesh: 100% virgin polypropylene, fibrillated fibers as manufactured by Fibremesh Co. per ASTM C-1116 type 111 4.1.3 and ASTM C-1116 performance level one, 1.5 lb. per cubic yard.
- * Welded Wire Fabric (WWF): ASTM A185. See also plan.
- * Typical minimum foundation reinforcing: 2 #5 top and bottom, (except as noted) continuous at corners and steps.
- * Reinforcement shall be fabricated and placed per ACI Manual of Standard Practice (ACI-315). At splices, lap bars 50 diameters unless noted otherwise.
- Minimum 2 #5 around all four sides of all openings, extend min. 2'-0 beyond openings.
- * Concrete cover over reinforcing: $1^{1}/2^{"}$ for concrete placed against forms; 3" for concrete placed against
- * In continuous members, splice top bars at mid span and bottom bars over supports. * Keep reinforcement clean and free of dirt, oil, and scale. Oil forms prior to placing reinforcement.

STRUCTURAL STEEL

- * Structural Beams:
- ASTM A36 * Angles, channel, misc.: * Connector bolts: ASTM A325
- Post-installed Anchors shall be ICC-ES approved, installed in accordance with manufacturers
- specifications.
- In concrete: Wedge Type In solid masonry: Sleeve Type
- * Non-shrink grout beneath column base and beam bearing plates shall be non-metallic with minimum
- * All structural steel shall be fabricated and erected per the current edition of AISC Steel Construction
- * Welding by qualified welders. E70XX electrodes.

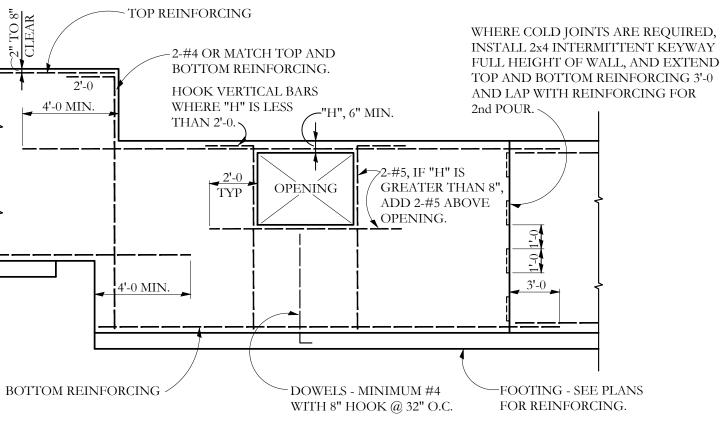
- * Except as noted, framed beam connections shall be detailed to develop 0.6 x Allowable Uniform Load values tabulated in the 9th Edition AISC Manual, Pp. 2-27 and following.
- * All beams shall have fitted web stiffeners welded to each side of webs above and below columns. (1/4")
- Attach wood nailer plates to beams with 1/2" diameter machine or carriage bolts at maximum 32" o.c., or 3/8" diameter bolts at 32" with glued contact face, or 5/32" diameter powder actuated drive pins at 24" o.c., U.O.N.
- NOTE: This project contains architecturally exposed structural steel and miscellaneous metals. All exposed steel shall be ground smooth, welded all around, have slag removed and be generally clean and free of defects and blemishes. All exposed steel shall be hot dip galvanized and/or coated with 2 part epoxy per the approval of the architect and owner.

STRUCTURAL ERECTION AND BRACING REQUIREMENTS

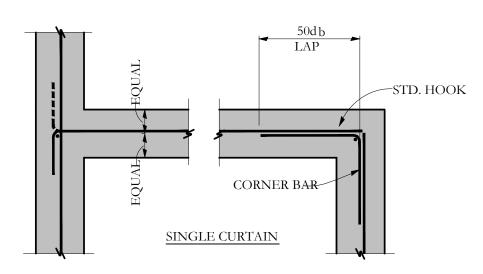
- * The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced. The contractor, in the proper sequence, shall provide proper shoring and bracing as may be required to achieve the final completed structure.
- These plans have been engineered for construction at one specific building site. Builder assumes ALL responsibility for use of these plans at Any Other building site. Plans shall not be used for construction at any other building site without specific review by the engineer.
- * Observations of repairs or framing required by the owner, lender, insurer, building department or any other party will be accomplished by the engineer at the owner's expense. At least 24 hours advance notice is requested.

SHOP DRAWINGS

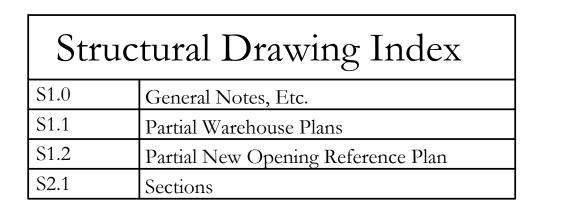
Fabricator and / or supplier of rebar, and structural and exposed architectural steel systems shall submit shop and erection drawings for architect and engineer review. Submit one reproducible and two prints for each drawing. Allow five working days for review.



TYPICAL REINFORCING AT STEPS AND OPENINGS



TYPICAL CONCRETE WALL INTERSECTIONS

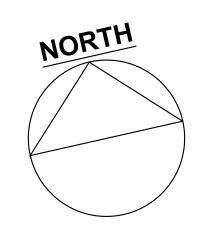




Consultant:

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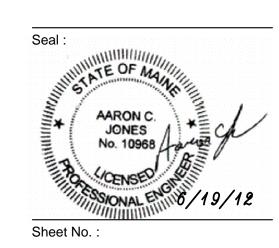
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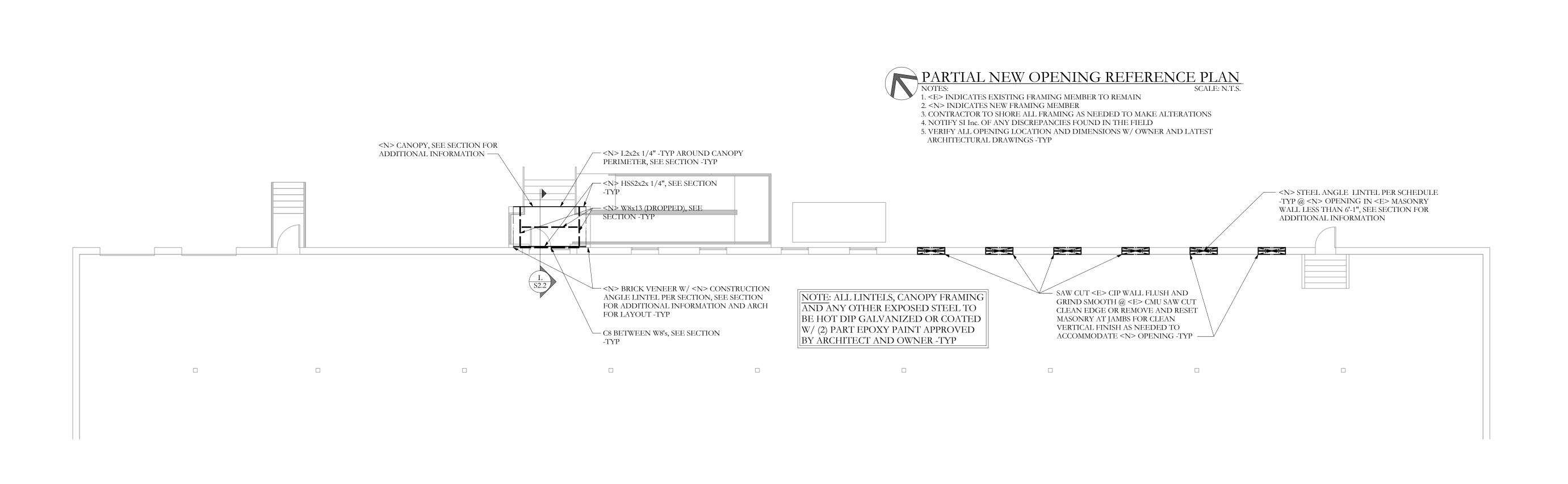
Portland, ME

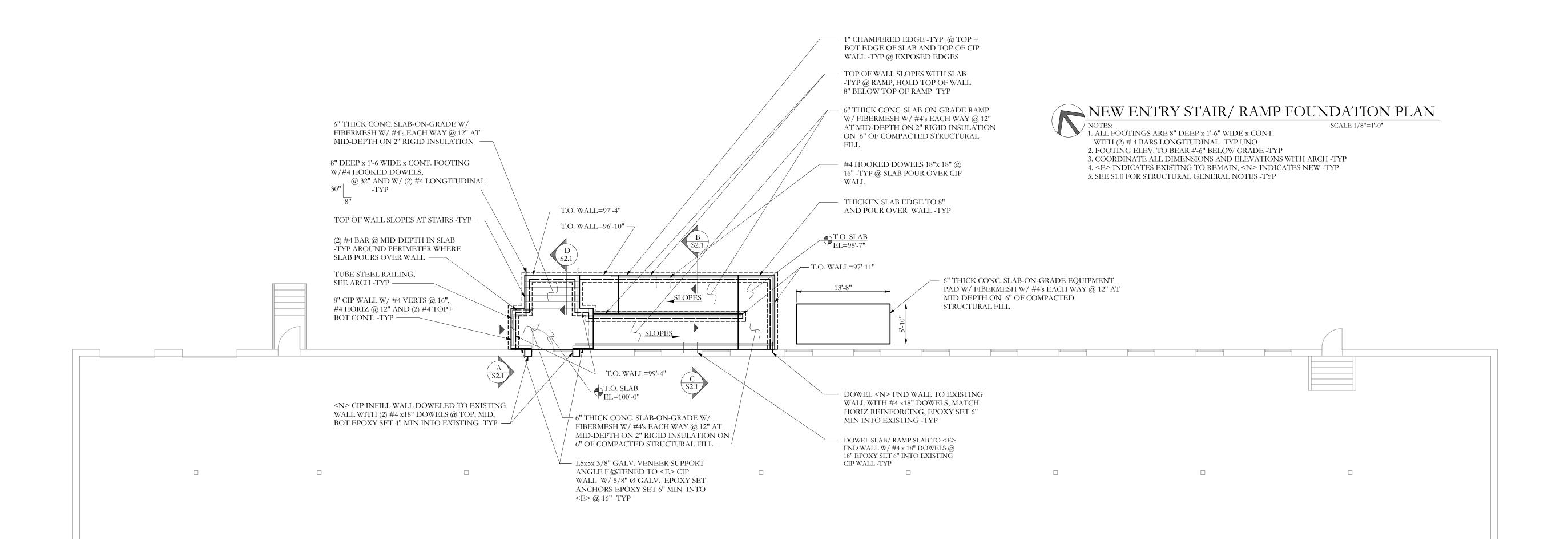
JUNE 19, 20 ²
1/8"=1'-
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Drawing Title:

GENERAL NOTES, ETC.







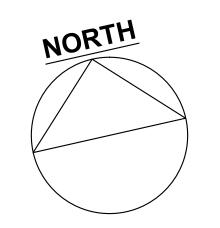




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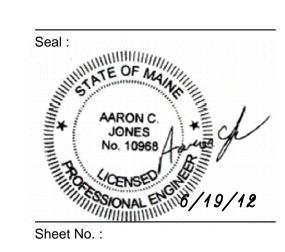
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Portland, ME

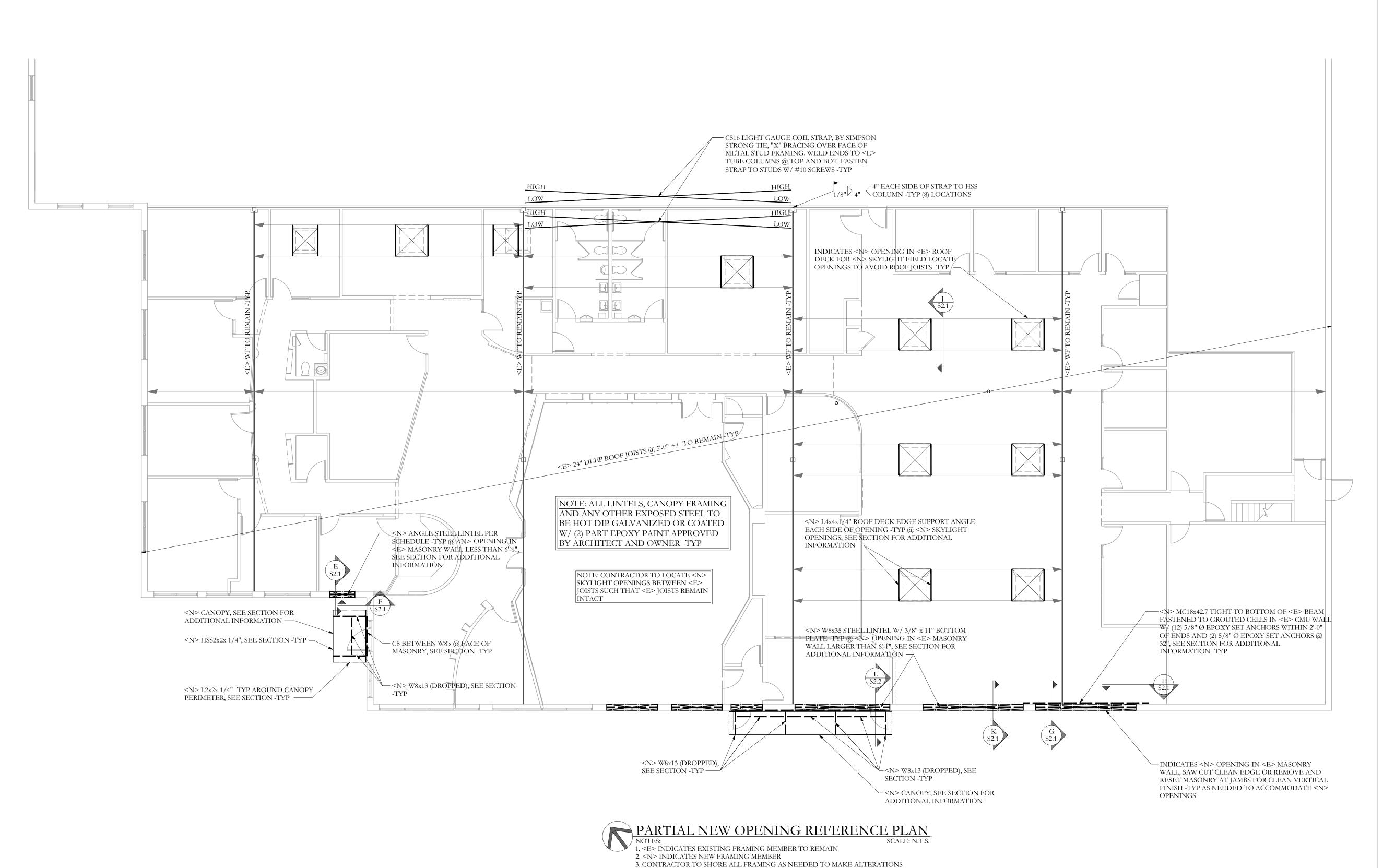
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Scale :	1/8"=1'-0
Project Number :	-
Drawn By :	
Checked By:	-

PARTIAL WAREHOUSE PLANS



S1.1



4. NOTIFY SI Inc. OF ANY DISCREPANCIES FOUND IN THE FIELD

ARCHITECTURAL DRAWINGS -TYP

5. VERIFY ALL OPENING LOCATION AND DIMENSIONS W/ OWNER AND LATEST



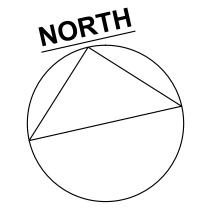
Consultant :

Structural Integrity

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2301 Congress St

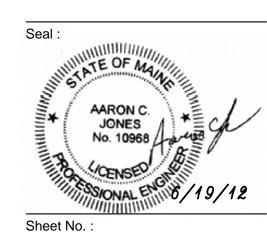
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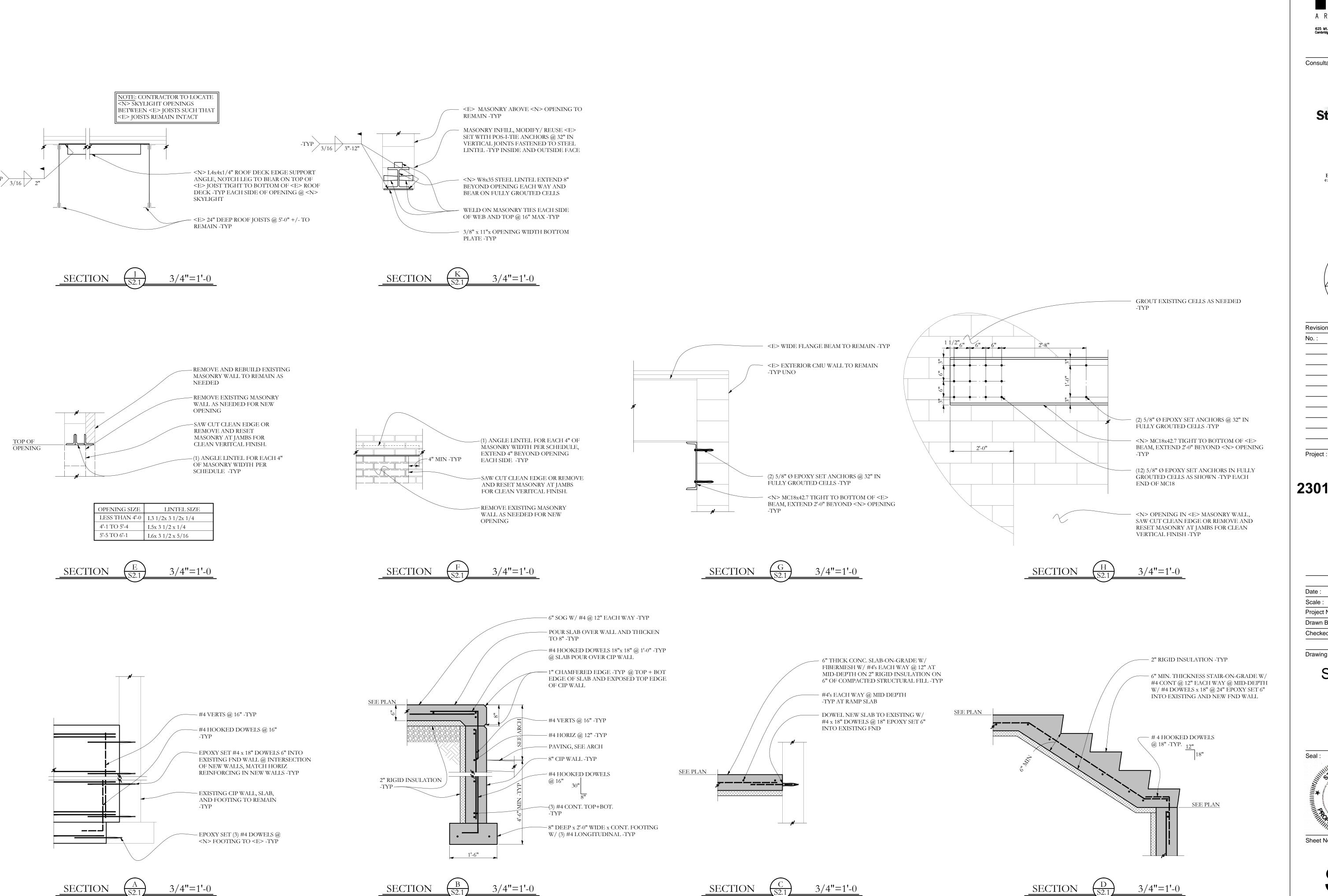
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Scale :	1/8"=1'-
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Drawing Title :

PARTIAL NEW
OPENING
REFERENCE
PLAN



S1.2

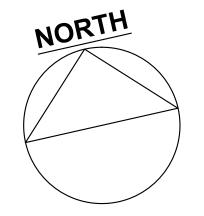






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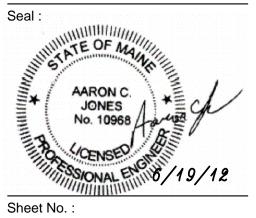
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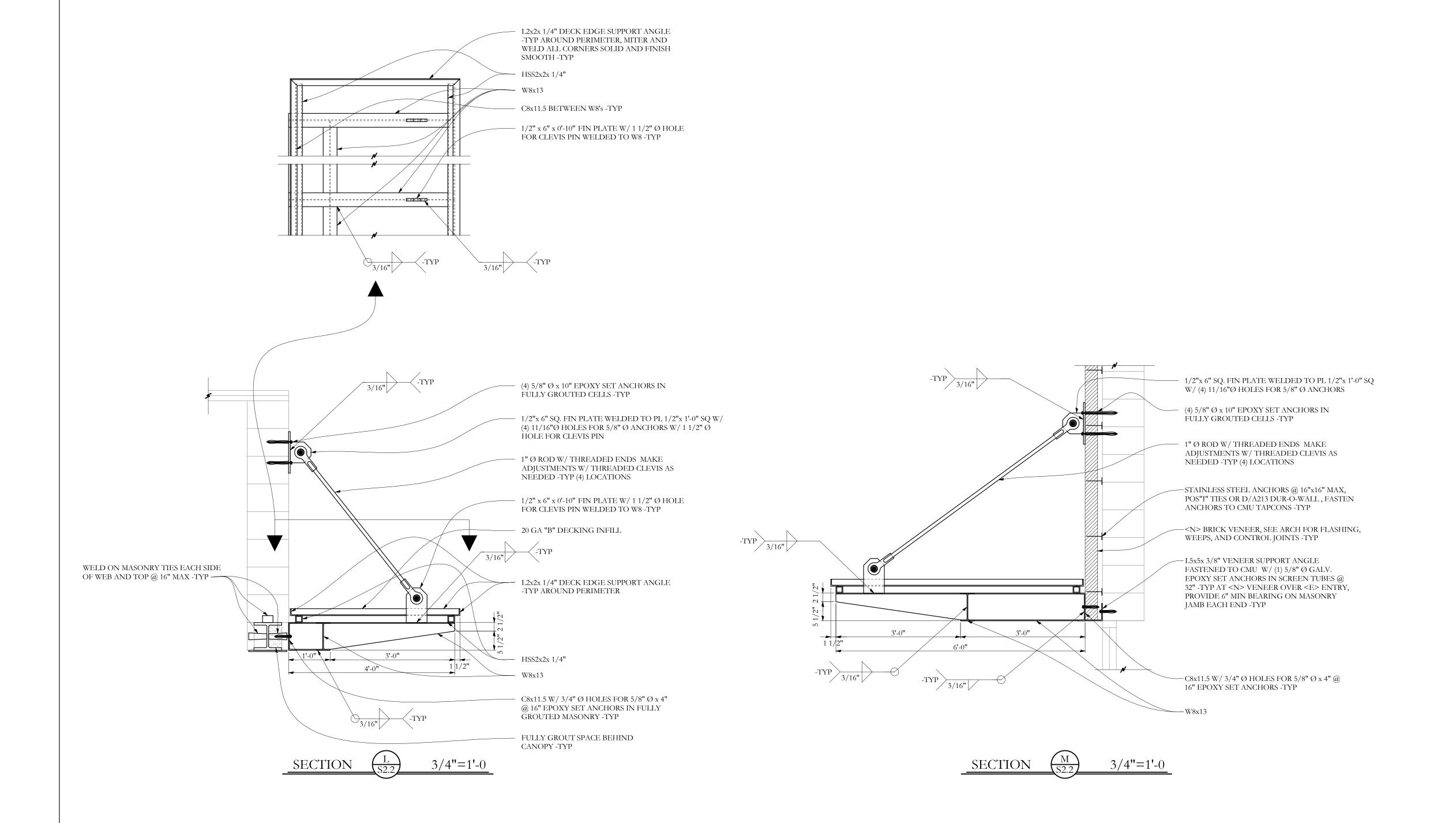
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SECTIONS





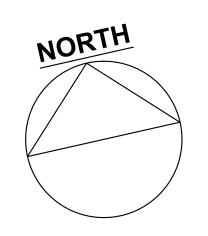




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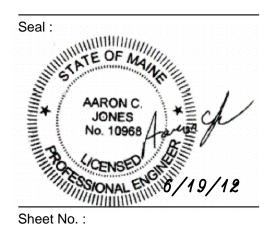
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Portland, ME

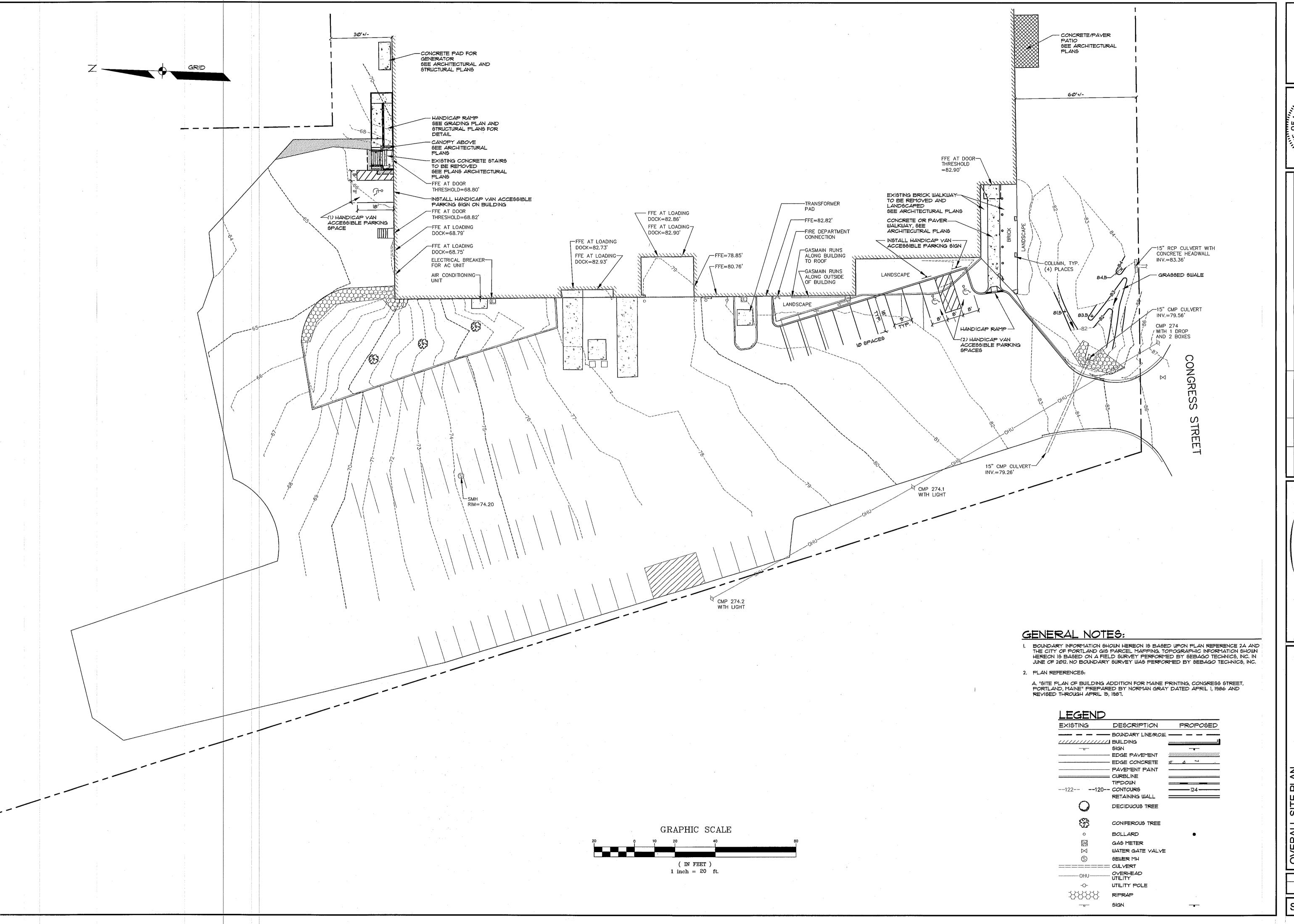
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TECHNICS.COM
75 John Roberts Rd. - Suite 1A 250 Goddard Rd. - Suite B South Portland, ME 04106 Lewiston, ME 04240
Tel. 207-200-2100 Tel. 207-783-5656
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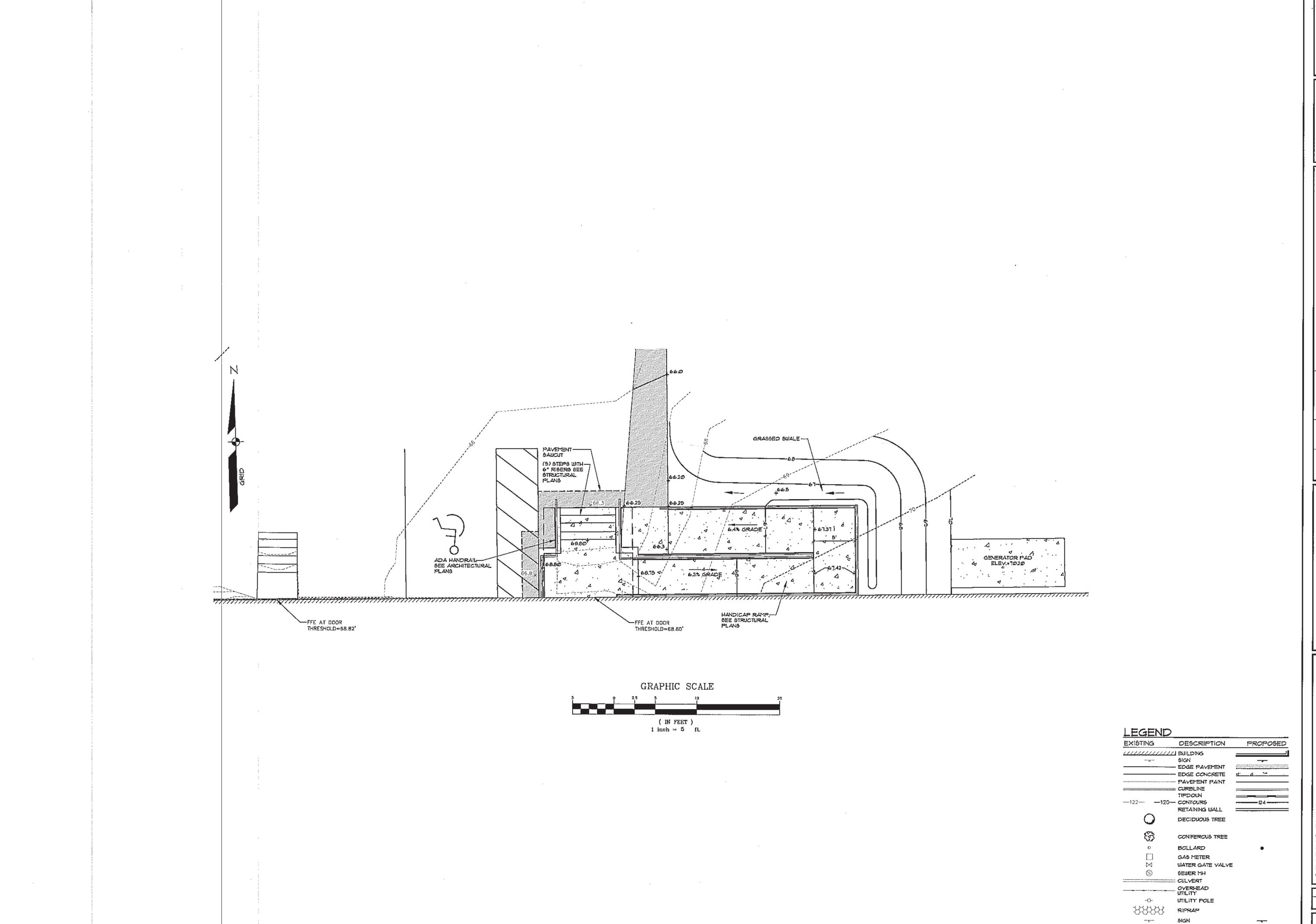
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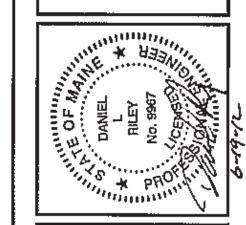
MPX PRINTING COMPANY 2301 CONGRESS STREET PORTLAND, MAINE FOR:

GREAT FALLS CONSTRUCTOR MAINE 04038

DATE SCALE
06-08-12 1"=20'

SHEET C1.1



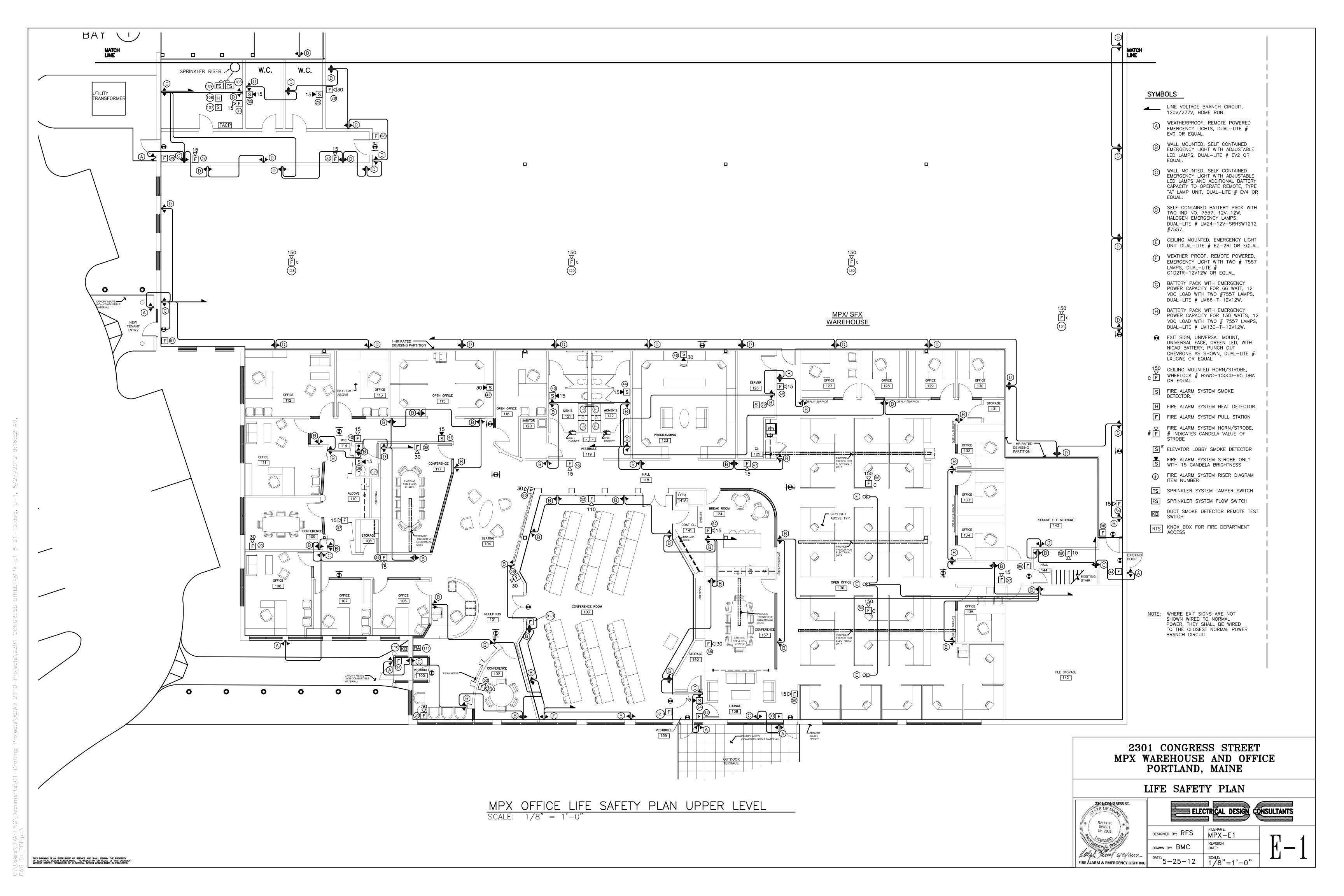


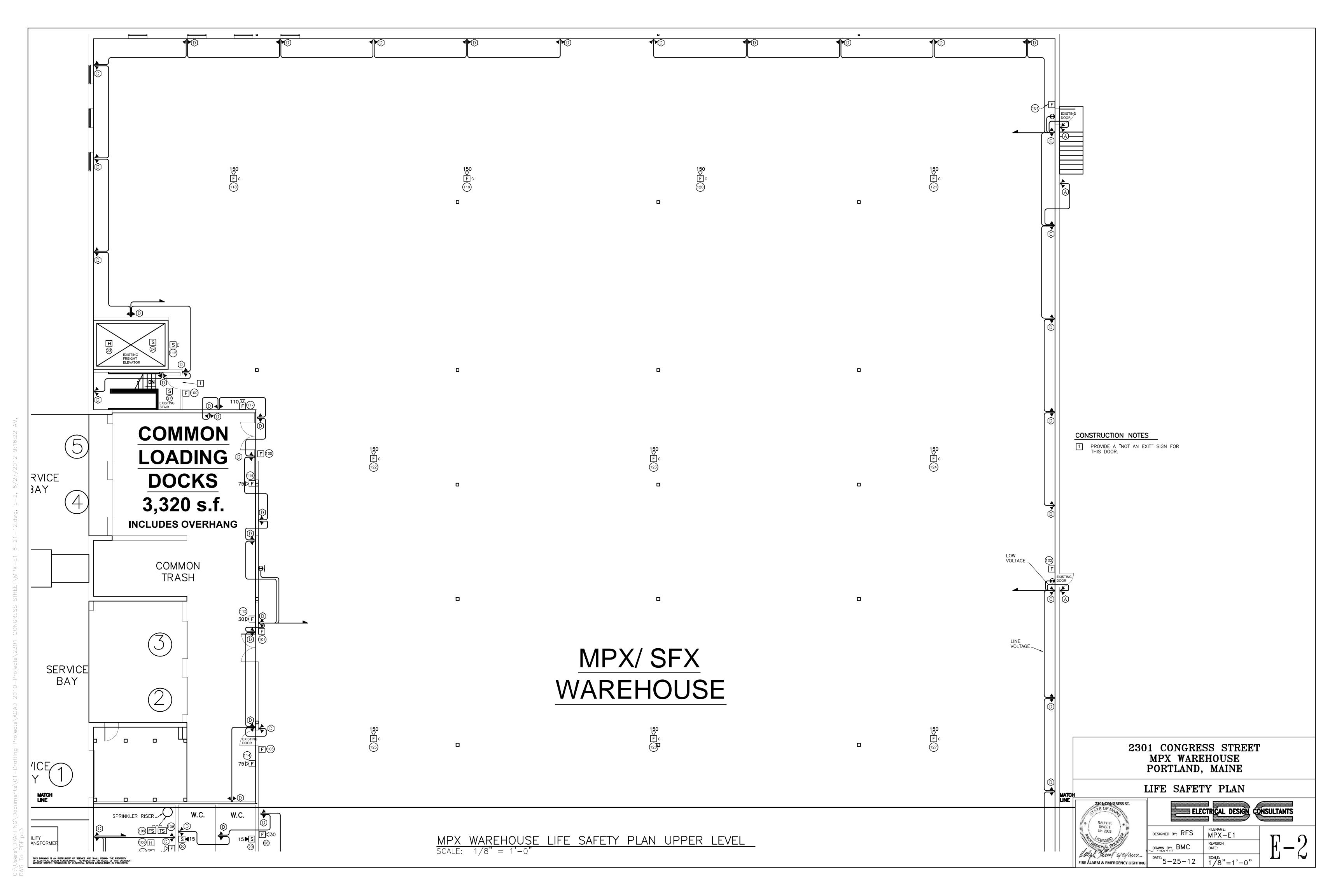
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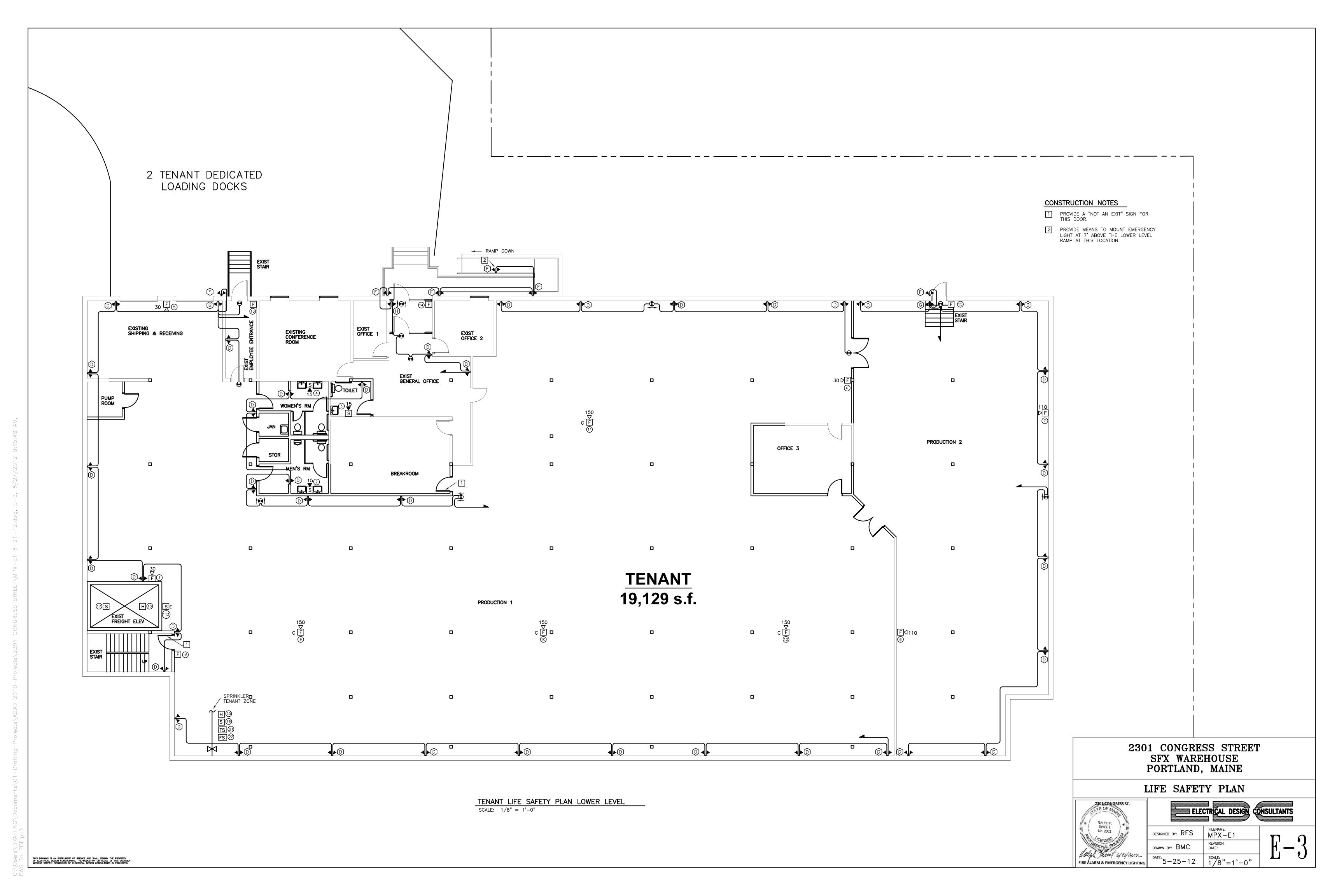
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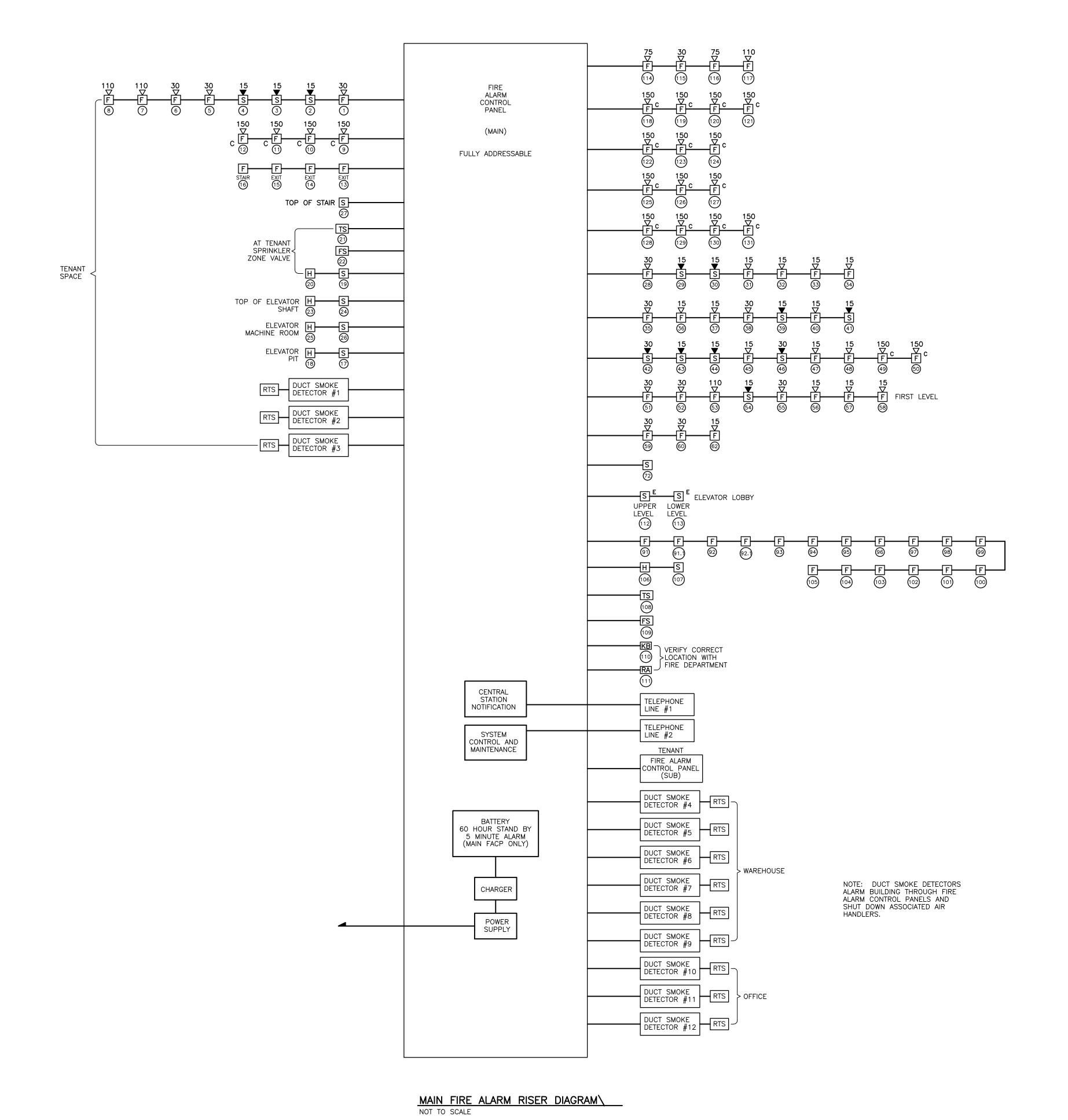
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DATE	SCALE				
06-08-12	1"=5'				
SHEET	C1.2				









SYMBOLS

- LINE VOLTAGE BRANCH CIRCUIT, 120V/277V, HOME RUN.
- WEATHERPROOF, REMOTE POWERED WEATHERPROOF, NEMOTE #
- EVO OR EQUAL. WALL MOUNTED, SELF CONTAINED EMERGENCY LIGHT WITH ADJUSTABLE

LED LAMPS, DUAL-LITE # EV2 OR

- © WALL MOUNTED, SELF CONTAINED EMERGENCY LIGHT WITH ADJUSTABLE LED LAMPS AND ADDITIONAL BATTERY CAPACITY TO OPERATE REMOTE, TYPE "A" LAMP UNIT, DUAL-LITE # EV4 OR EQUAL.
- SELF CONTAINED BATTERY PACK WITH TWO IND NO. 7557, 12V-12W, HALOGEN EMERGENCY LAMPS, DUAL-LITE # LM24-12V-SRHSW1212
- © CEILING MOUNTED, EMERGENCY LIGHT

UNIT DUAL-LITE # EZ-2RI OR EQUAL.

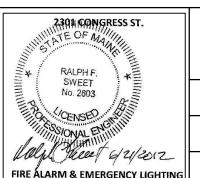
- © WEATHER PROOF, REMOTE POWERED, EMERGENCY LIGHT WITH TWO # 7557 LAMPS, DUAL—LITE # C1D2TR—12V12W OR EQUAL.
- © BATTERY PACK WITH EMERGENCY POWER CAPACITY FOR 66 WATT, 12 VDC LOAD WITH TWO #7557 LAMPS, DUAL-LITE # LM66-T-12V12W.
- BATTERY PACK WITH EMERGENCY POWER CAPACITY FOR 130 WATTS, 12 VDC LOAD WITH TWO # 7557 LAMPS, DUAL-LITE # LM130-T-12V12W.
- EXIT SIGN, UNIVERSAL MOUNT, UNIVERSAL FACE, GREEN LED, WITH NICAD BATTERY, PUNCH OUT CHEVRONS AS SHOWN, DUAL-LITE # LXUGWE OR EQUAL.
- CEILING MOUNTED HORN/STROBE,
 CF WHEELOCK # HSWC-150CD-95 DE
 OR EQUAL. WHEELOCK # HSWC-150CD-95 DBA
- S FIRE ALARM SYSTEM SMOKE DETECTOR.
- H FIRE ALARM SYSTEM HEAT DETECTOR.
- F FIRE ALARM SYSTEM PULL STATION
- FIRE ALARM SYSTEM HORN/STROBE, # F # INDICATES CANDELA VALUE OF
- S E ELEVATOR LOBBY SMOKE DETECTOR
- FIRE ALARM SYSTEM STROBE ONLY WITH 15 CANDELA BRIGHTNESS
- # FIRE ALARM SYSTEM RISER DIAGRAM ITEM NUMBER
- TS SPRINKLER SYSTEM TAMPER SWITCH
- FS SPRINKLER SYSTEM FLOW SWITCH
- DUCT SMOKE DETECTOR REMOTE TEST SWITCH
- RTS KNOX BOX FOR FIRE DEPARTMENT ACCESS

GENERAL NOTES

- 1 ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NFPA70-2011.
- 2 THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES.
- 3 THE CONTRACTOR SHALL VERIFY THE EXACT ELECTRICAL CONNECTION POINT FOR EQUIPMENT OF OTHER TRADES WITH THOSE TRADES BEFORE ROUGHING-IN ELECTRICAL WORK.
- 4 ALL ELECTRICAL WORK SHOWN WITHOUT DIMENSIONS IS SHOWN DIAGRAMMATICALLY AND EXACT LOCATIONS ARE TO BE DETERMINED
- 5 THE CONTRACTOR SHALL VERIFY THE FIRE RATING OF WALLS, FLOORS AND CEILINGS WITH THE ARCHITECT'S DRAWINGS AND SHALL PROVIDE ELECTRICAL PENETRATIONS OF THESE PARTITIONS HAVING THE SAME OR HIGHER FIRE RATING BASED ON AND AS SHOWN IN THE UL FIRE RESISTANCE DIRECTORY FOR EACH CIRCUMSTANCE.
- 6 WHERE DIFFERENCES EXIST BETWEEN TWO OR MORE DESCRIPTIONS OF WORK TO BE DONE, THE MORE DETAILED DESCRIPTION SHALL
- 7 WHERE ALLOWED AND UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, ALL WIRING FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS SHALL BE COPPER NUMBER 12/2 W/GND TYPE MC CABLE. PROVIDE POWER WIRING IN EMT WHERE EXPOSED AND LESS THAN 12' ABOVE THE FLOOR.
- 8 PROVIDE FIRE ALARM RATED CABLE IN CEILING CAVITIES AND FASTENED TO BAR JOISTS IN OPEN CEILING AREAS. FIRE ALARM CABLE ON EXPOSED WALL LESS THAN 12 ABOVE THE FLOOR SHALL BE IN EMT.
- 9 ALL INDIVIDUAL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION COLOR CODED AS SPECIFIED.
- 10 THE CONTRACTOR SHALL ARRANGE TO HAVE THE ELECTRICAL INSPECTOR HAVING JURISDICTION INSPECT THE ELECTRICAL INSTALLATION BEFORE IT IS CONCEALED.

2301 CONGRESS STREET
MPX/SFX WAREHOUSE AND OFFICE
PORTLAND, MAINE

LIFE SAFETY PLAN

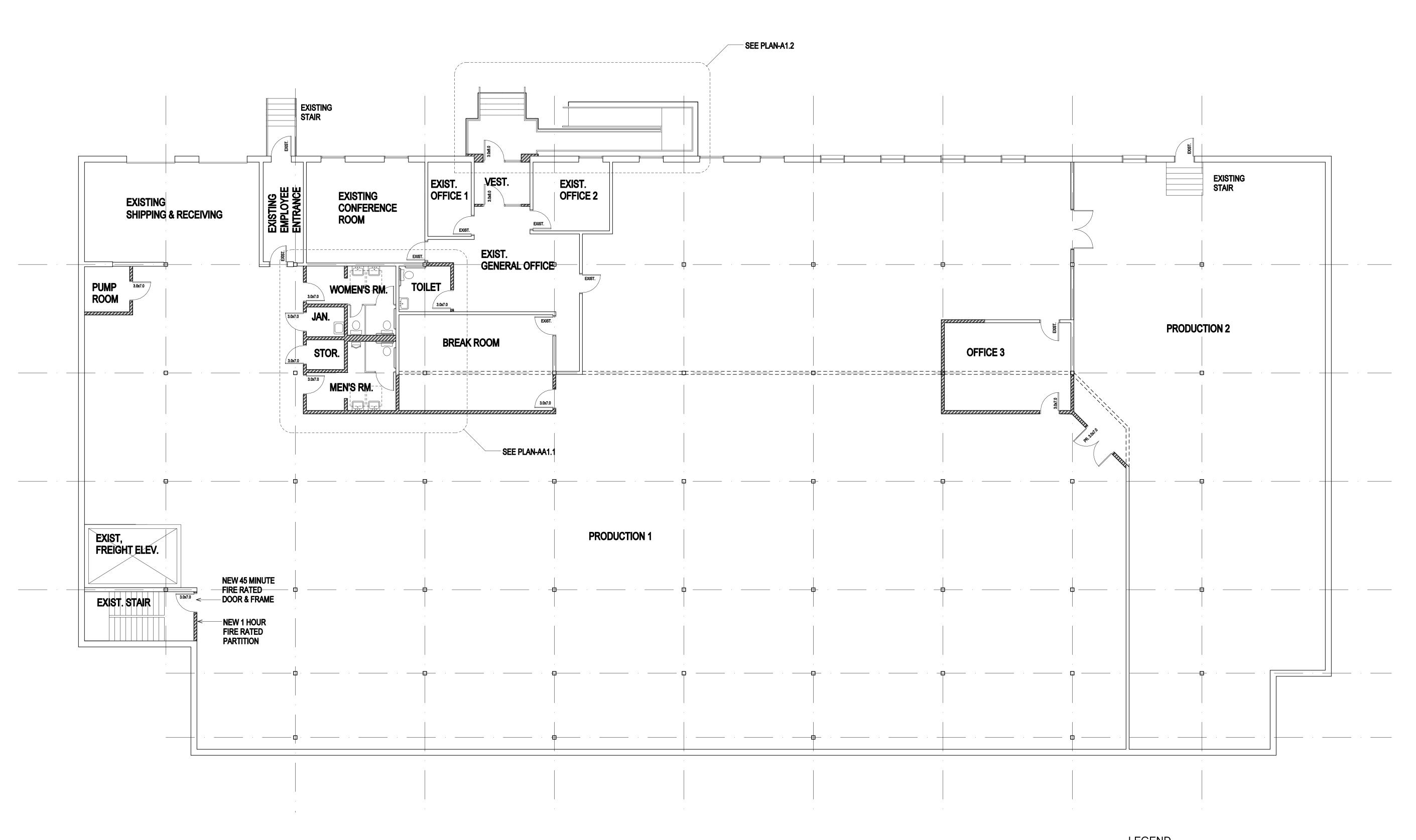




DESIGNED BY: RFS | HILENAME: MPX-E1 DRAWN BY: BMC FIRE ALARM & EMERGENCY LIGHTING

DATE: 5-25-12

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



LEGEND

EXISTING WALL TO REMAIN _____ EXISTING WALL TO BE REMOVED NEW INTERIOR WALL MINIMUM INTERIOR WALL

2301 Congress Street Portland, Maine

RENOVATIONS FOR

CONSTRUCTION MANAGER

ARCHITECT

GREAT FALLS CONSTRUCTION 20 MECHANIC STREET GORHAM, MAINE 04038 T - 207 839-2744

REED & CO. ARCHITECTURE
30 PLEASANT STREET
PORTLAND, ME 04101
T - 207 871-5678

STRUCTURAL ENGINEER

LIFE SAFETY PLANS

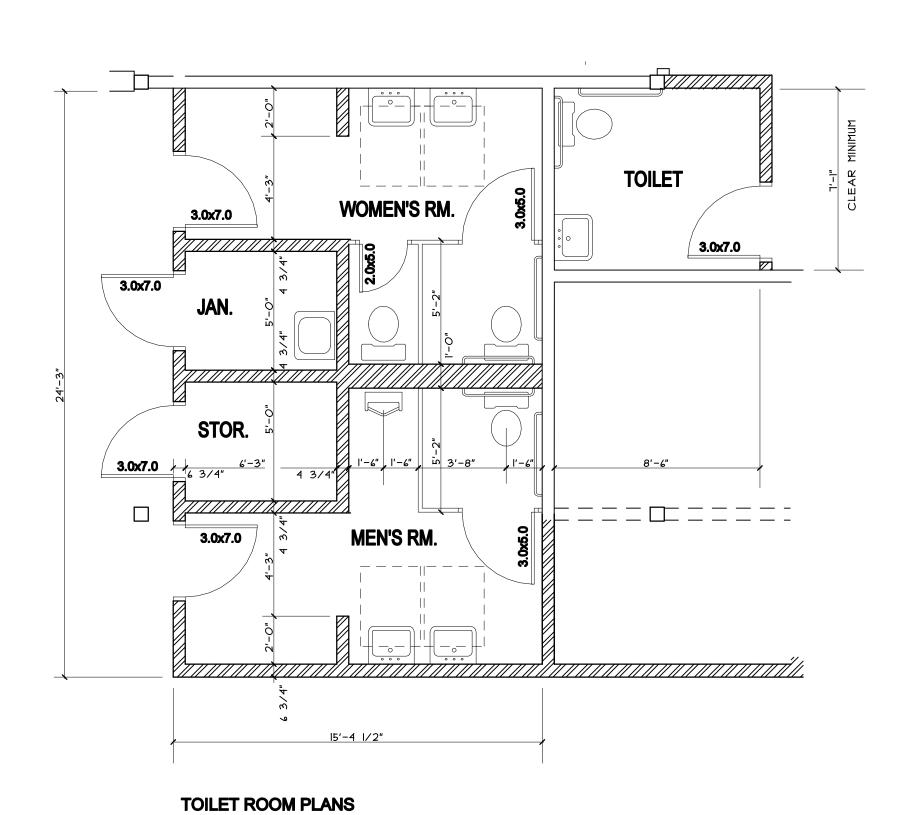
STRUCTURAL INTEGRITY
77 OAK STREET
PORTLAND, ME 04101
T - 207 774 4614

ELECTRICAL DESIGN CONSULTANTS P.O. BOX 282 LONG ISLAND, ME 04050 T - 207 766-5041

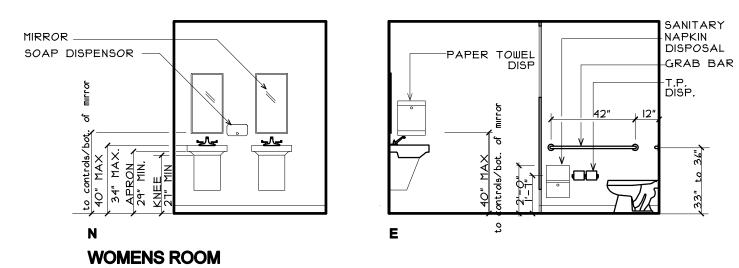
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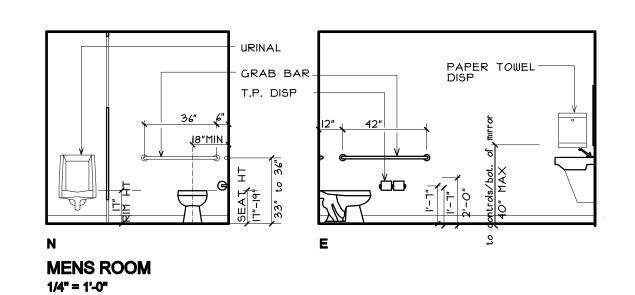
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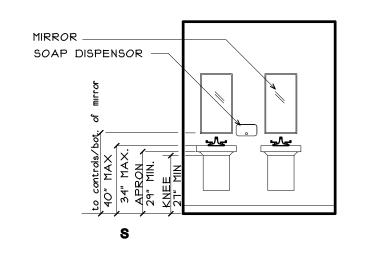
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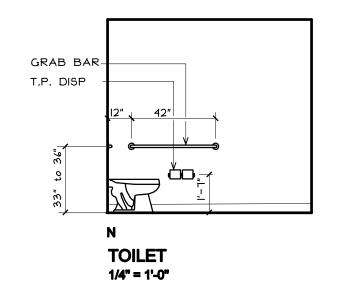


1/4" = 1'-0"

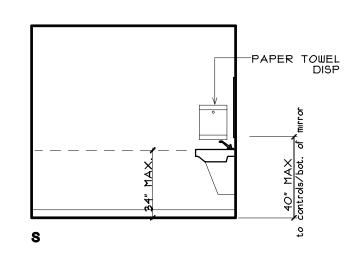


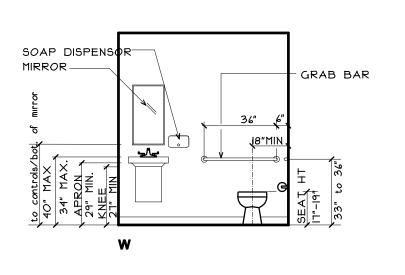






1/4" = 1'-0"





CONSTRUCTION MANAGER GREAT FALLS CONSTRUCTION 20 MECHANIC STREET GORHAM, MAINE 04038 T - 207 839-2744

ARCHITECT
REED & CO. ARCHITECTURE
30 PLEASANT STREET
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T - 207 871-5678

STRUCTURAL ENGINEER STRUCTURAL INTEGRITY
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LIFE SAFETY PLANS ELECTRICAL DESIGN CONSULTANTS
P.O. BOX 282
LONG ISLAND, ME 04050
T - 207 766-5041

RENOVATIONS FOR 2301 Congress Street Portland, Maine

Title: LOWER LEVEL PLANS & DETAILS