9 ARMORY STREET

Charlestown, MA 02129

PERMIT SUBMISSION -1/22/24

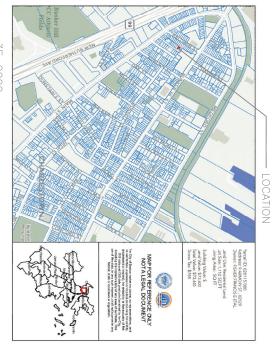
(amending 5/31/23 submission)

SHEETS:

A-001 WALL TYPES, WINDOW AND DOOR SCHEDULE A-000 TITLE SHEET, SITE PLAN & LOCUS MAP

A-100 FLOOR PLANS PROPOSED

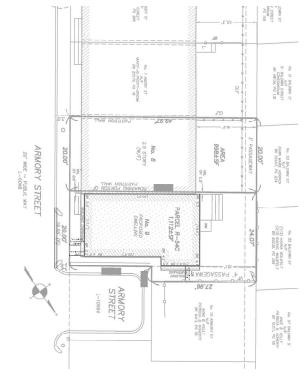
A-101 ELEVATIONS AND SECTIONS



zone: 3F-2000

2 LOCUS MAP

SOURCE: BOSTON TAX PARCEL VIEWER



1) SITE PLAN 1/8" = 1'-0"

REFERENCE FILE: PLOT PLAN DATED 1/12/24 PROVIDED BY Boston Survey Inc. C-4 Shipway Place Charlestown, MA 02129

9 ARMORY ST.

CHARLESTOWN, MA

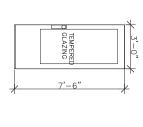






TITLE SHEET, SITE PLAN, LOCUS MAP

Scale: A-000



DOOR NOTES.

DOOR NOTES.

W/ MANUFACTURERS DETAILS.

CONDINATE R.O. W/ MANUFACTURERS DETAILS.

DETAILS REFERENCED IN SCHEDULE ADDRESS TYPICAL INSTALLATION

CONDITIONS. REFERE TO ELECATIONS & DETAIL SECTIONS FOR TRM

CONDITIONS & SWING. COORDINATE EXTENSION, JAMB DIMENSIONS W/ WALL TYPES IN PLAN.

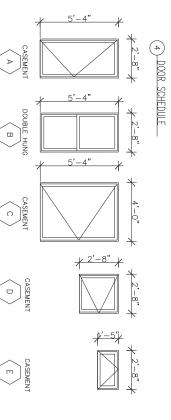
3. ALL MASSONITE DOORS ARE TO BE SMOOTH SKIN, SOLID CORE TYPE.

3. ALL MASSONITE DOORS ARE TO BE SMOOTH SKIN, SOLID CORE TYPE.

3. ALL MASSONITE DOORS ARE TO BE SMOOTH SKIN, SOLID CORE TYPE.

RIGHT/ LEFT SWING COORDINATION.

INTERIOR DOOR SCHEDULE: ALL UNIT INTERIOR ROOM DOORS ARE 30"X80" NOMINAL LEAF DIMENSION, SOLID CORE SEE PLANS FOR CLOSET DOORS COORDINATE R.O. W/ MANUFACTURERS DETAILS.



WINDOW NOTES:

1. WINDOWS REFER TO INTIUS WINDOWS ARE USED TO ESTABLISH REFERENCE STANDARD FOR GLASS SIZE, SASH OPERATION AND DETAIL.

SASH OPERATION AND DETAIL.

SUBSTITUTION BY ARCHITECT APPROVAL, G.C., TO COORDINATE R.O., DIMENSIONS.

2. FURNISH AND INUSTALL SCREENS WITH OPERABLE SASH

3. BEDROOM WINDOW UNITS AND BASEMENT 'D' TYPE WINDOW SHALL COMPLY WITH MASS. STATE CODE EMERGENCY EGRESS DIMENSIONAL REQUIREMENTS.

4. REFER TO ELECATIONS AND SECTIONS FOR SPECIFIC TRIM CONDITIONS.

5. REFER TO ELECATIONS FOR MUNTIN ARRANGEMENT.

COUNT: 4 Þ

COUNT: В

COUNT: 3

COUNT: 8

COUNT: 2

(E)

GENERAL NOTES:

- 1. AT KITCHEN PLUMBING WALLS PROVIDE 6" STUDS THOUGHOUT.

- 2. PROVIET ENFE-ESSIVE BLOCKE OF STATEMENT O

(1) USE ITEM: ARTICLE 8** Note: his form reflects Text Ament (2) DIMENSIONAL REQUIREMENTS: ARTICLE 62-TABLE 0: BD 631 ZONING COMPUTATION FORM COVERING ALL NEW BULDINGS, CHANGES OF CCCUPANCY, ALTERATIONS, ETC.

Third Floor	Second Floor -	First Floor	Beservent	GROSS FLOOR AREA: SECTION 2-1 (21) F AR. =	PROPOSEE 1112.00	EXISTING 1112.00	REQUID BYCODE 1000.00	SIZE	ART 14-1		
550	983	623	b		00 1112.00	00 1112.00	1000 for 1 00 Dwelling	OT LOT AREA PER E DWELLING	4-1 ART 14-2		
0	ω	9	N		20.00	20.00	20.00	MIN. LOT WIDTH + FRONTAGE	ART 14-3		
					191	N/A	200	MAX.FLOOR MAX.HEIGHT AREA.RATIO CF BUILD.	AFT 15		
				les	3/35	NA	3/35	MAX.FLOOR MAX. HEIGHT USABLE AREJ. RATIO CF BUILD. OPEN SPACE PER DWELL UNIT	ART 16	ARTIC	
				GROSS FLOOR VREA	361.00	NA	350.00	USABLE OPEN SPACE PER DWELL UNIT	ART 17	ARTICLE AND SECTION	
				EA.	4" at ground aligned w/ #8 at 3rd Ir	ANA	(4.00)	MIN. FRONT YARD	ART 18	CTION	
					250	NA	250	VARD CRAY	ART 19		
				2124	15.00	NIA	2) (15 per skellow lot)	MN REAR YARD	4RT 20		
				<u>.</u>			N/A	MIN. SETBACK OF PARAPET	ART 21		
							NA	MIN. MAX. USE OF SETBACK OF REAR YARD PARAPET	ART 22		1722024

ARMORY ST.

CHARLESTOWN, MA



COODE NOTES: 1. GOVERNING CODE: MA STATE RESIDENTIAL BLDG CODE, 9TH EDITION 2. PER TABLE R302.1, PARTY WALL TO BE 1 HR

R313.1 Townhouse Automatic Fire Sprinkler Systems
An automatic residential fire sprinkler system shall be installed in

FRE V CH2D

c residential the spiritider systems for lown

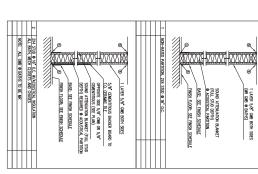
e bullding with an aggregate area of 12,000 ${\rm ft}^2$, or more, shall be provided with an NFPA 13 system

A townhouse building with an aggregate area of less than 12,000 ft² shall be permitted to use a NFPA 13R system

r opening of not less than 5.7 ft² (0.530 mt²). The net clear opening diman The net clear height opening shall be not less than 24 hotres (610 mm) a

Single-hung and/or double hung windows shall have a

TABLE R302:1(2) EXTERIOR WALLS-DWELLINGS WITH FIRE SPRINKLERS



ū	15	c	-	COMME		
I PP. ANED 29 NON-DECK BALL PARTISON & COMONO BALL, M.D. GRE & BATH	1 HR. MATED 208 NON-SHEAR BALL PARTITION & CONSINCE WILL	1 HR. BATED 208 1-SEED SHEAR THILL PARTITION IN DEMISING BALL, M.R. CHIS IN BATH	1 HR. BATED 208 1-SEED SHEAR THALL PARTEDY IN DELESING BALL	DIMPOSE CONTRACT THAT C1-SOLD SHAME	THE REAL PRINCIPLE AND	
40 TM	WP 3247	W 2247	B 2247	E	3# ps	
¥	£	¥	¥	B		



WALL TYPE NOTES:

PARTION TYPE NOTES:

1. ALL OBS AT DES PACTES WALL SE ASIN C.S., TYPE X O'PSUM BOHRD,

1. ALL OBS AT DES PACTES WALL SE ASIN C.S., TYPE X O'PSUM BOHRD,

DIMESS WALL TYPE ILL SAIMS HIS SEEN BIASED.

2. MOSTIBLE-RESISTANT FORME CAMPAINED.

2. MOSTIBLE-RESISTANT FORME CAMPAINED.

2. SHETT SCENDELS MAST PROPUE CAMPAINED.

3. SHETT SCENDELS MAST PROPUE CAMPAINED.

5. SHETT SCENDELS MAST PROPUE CAMPAINED.

5. SHETT SCENDELS MAST PROPUE CAMPAINED.

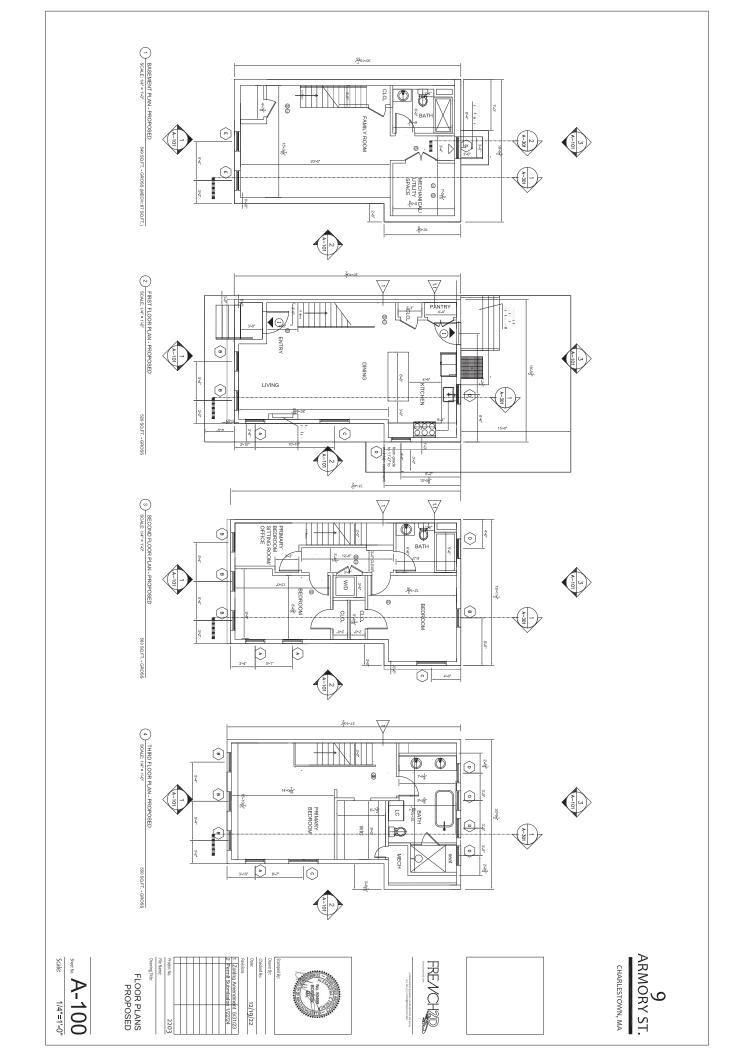
6. TO SCENDER AND COLUMNS WALLS ARE CONTINUOUS TO UNDERSOIT OF DECOMO.



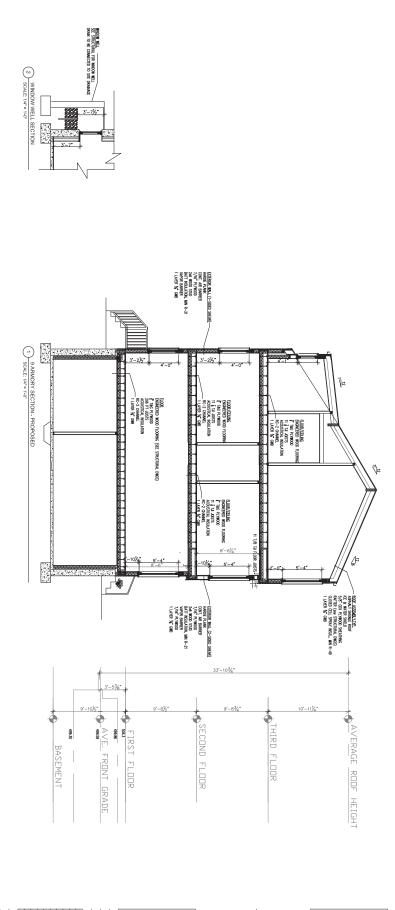
WALL TYPES; WINDOW & DOOR SCHEDULE

Sheet No. A-001

Scale







ARMORY ST.

Scale:

1/4"=1'-0"

A-301

BUILDING SECTION

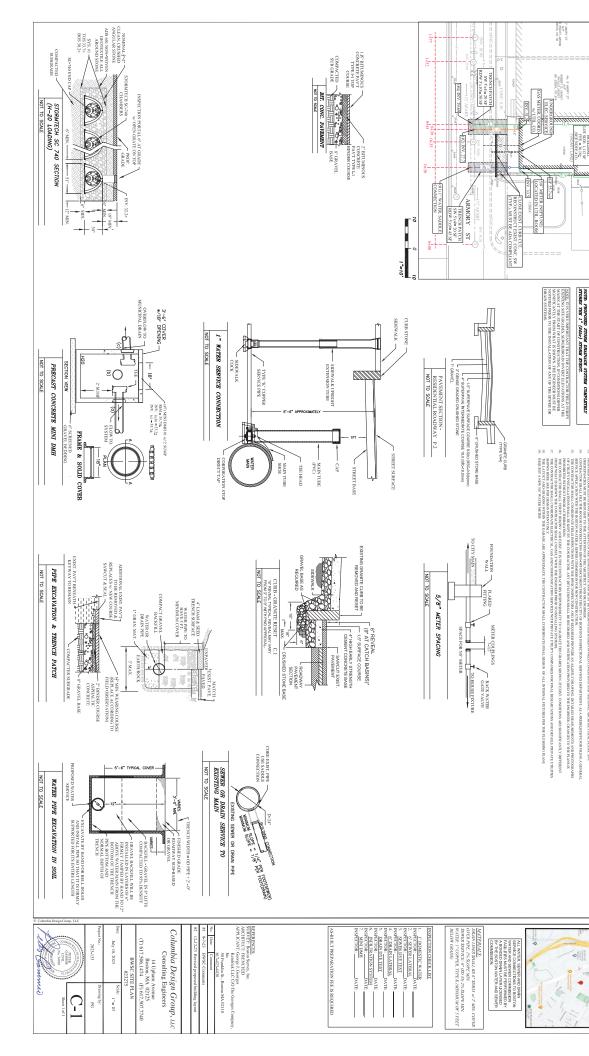
12/19/22







FRE/VCH2D





000 LAND USE CODE: R1

AL 35 DALDWN ST (1/3) HAWA BOLSTELT (2/3) RACHEL BOLSTELT 6K 60236, PG 259

AN. 57 BALDWW ST N/F AMEZ B. POLLY PATRICIA B. DONDRTY BK 10311, PG 18

DRAINAGE CLUCULATIONS & LAYOUT NOTES: LOT SIER 1,112 SP LUCHRYDOUS SUBSICES: ROOF AREA 645 SF + PAYED AREA 170 SF = 615 SF

GENERAL NOTES

1. THIS PLANHAS BEEN PREP
BUILDING PLANE SEETHE
RELATIVE TO PROPERTY L
2. THE APPLICANT FOR THIS
GROWN L GROWN

AND DER MEROVAL IT HE HER, FOR THE PROPOSED WITE SENER SENIO CAN DEAL SERVICE FOR ADMINISTRAL MENDALTICS AND THE PROPOSED AND HER THE ALL MANNESS THE CHEEK CHOSE ON HIS FLAN SEQUENTISADED OR ROBERT I MU DOCTIONS OR INSTITUTION OF MENTAL PROPERTY LINE UNDEALTICS. THE PROPOSED HIT THAN HE SERVICE OF ECCHEL ROSE FOR ALL PROPERTY LINE UNDEALTICS SET THE PROPOSED HIT THAN HE SERVICES OF ECCHEL.

RESIGN STORMS: (" - OVER IMPERVIOUS AREA
TORAGE REQUIRED: (815x1"/12) = <u>87.91 CE</u>

ANNE B. KEZLY PATRICIA B. DONESHTY BK SMT3, PG 56

PROP. STORAGE
INTELEMENTAL SIZEMA A.
I Chambers = 0.85 See raid
Interes = 0.82 See raid
Interes = 0.82 See raid
Interes = 0.82 See raid
Interes = 0.83 See raid
Interes = 0.83

TAL STORAGE REQUIRED = 96.9 cf

Plan

9 Armory St. Charlestown, MA



RESERVED FOR BWSC USE ONLY
PEAK WATER DEMAND=12 GPM
SEWER: 330 GPD (3 BED x 110 GPD)

JOHN P SOLLIVAN JH. P.E.

PREPARED FOR:
THE GEORGES COMPANY
50 FRANKLIN STREET
BOSTON, MA 02110

REFERENCES:

OWNER OF RECORD:

KENDRICK LLC

50 FRANKLIN STREET

BOSTON, MA BK 68346; PG 18 BK 9413; PG 56 BK 9000, PG 357 4306-B

CITY OF BOSTON ENGINEERING RECORDS
FB 1144, PGS 76-81, 142-143
L-6048 AMORY STREET
L-10664 ARMORY STREET
L-10667 BADDWIN STREET
UNITS SHEET \$-2

LCC:

NOTES: PARCELID: 0201159000 0201158000

LOCATED AT 8 & 9 ARMORY STREET SCALE: 1.0 INCH = 10.0 FEET

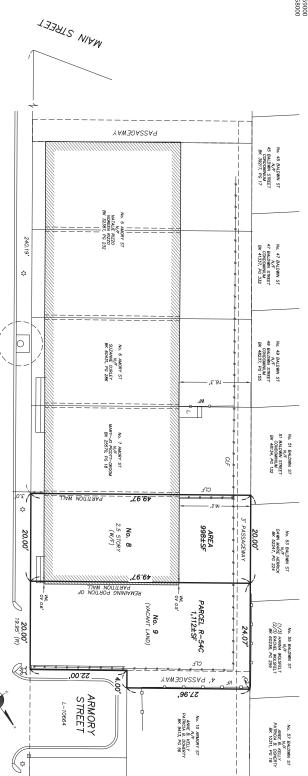
0 10 20 CHARLESTOWN, MA

CERTIFIED PLOT PLAN

SURVEY, INC.

UNIT C-4 SHIPWAY PLACE
CHARLESTOWN, MA 02129
(617) 242-1313

BOSTON



ARMORY STREET

20' MDE ~ PUBLIC WAY L-6048

DATE: JOB# FIELD: DRAFT: CHECK: JJH, GCC RAP, SAP GCC 12/20/23

ACCORDING TO THE FEDERAL EMERGENCY
MANAGEMENT AGENCY (F.E.M.A.), MAPS, THE
MAJOR IMPROVEMENTS ON THIS PROPERTY FALL
IN AN AREA DESIGNATED AS
ZONE:
X

COMMUNITY PANEL: EFFECTIVE DATE:

25025C0014J 03/16/2016

I CERTIFY THAI THIS PLAN WAS MADE FROM AN INSTRUMENT SURVEY ON THE GROUND ON THE DATE OF AUGUST 5, 2022 AND ALL STRUCTURES ARE LOCATED AS SHOWN HEREON.

PREPARED FOR:
THE GEORGES COMPANY
50 FRANKLIN STREET
BOSTON, MA 02110

REFERENCES:

OWNER OF RECORD:

KENDRICK LLC

50 FRANKLIN STREET

BOSTON, MA

BK 68346; PG 18 BK 9413; PG 56 BK 9000, PG 357 4306-B

CITY OF BOSTON ENGINEERING RECORDS
FB 1144, PGS 76-81, 142-143
L-6048 AMORY STREET
L-10664 ARMORY STREET
L-10667 BADDWIN STREET
UNITS SHEET \$-2

CERTIFIED PLOT PLAN

SURVEY, INC.

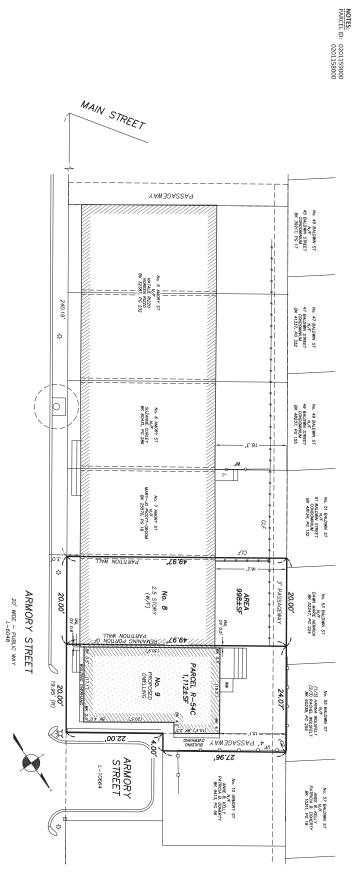
UNIT C-4 SHIPWAY PLACE
CHARLESTOWN, MA 02129
(617) 242-1313

BOSTON

LOCATED AT 8 & 9 ARMORY STREET CHARLESTOWN, MA

SCALE: 1.0 INCH = 10.0 FEET

0 10 20



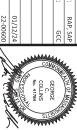
I CERTIFY THAT THIS PLAN WAS MADE FROM AN INSTRUMENT SURVEY ON THE GROUND ON THE DATE OF AUGUST 5, 2022 AND ALL STRUCTURES ARE LOCATED AS SHOWN HEREON.

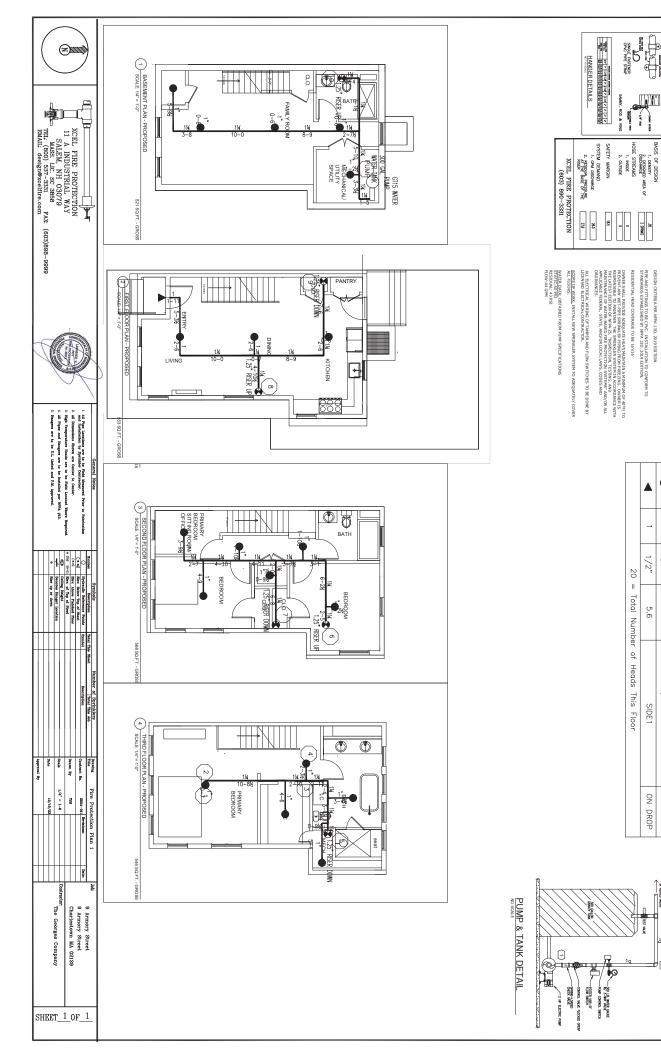
ACCORDING TO THE FEDERAL EMERGENCY
MANAGEMENT AGENCY (F.E.M.A.) MAPS, THE
MAJOR IMPROVEMENTS ON THIS PROPERTY FALL
IN AN AREA DESIGNATED AS
ZONE:
X

COMMUNITY PANEL: EFFECTIVE DATE:

25025C0014J 03/16/2016

,			
The state of the s	22-00600	JOB#	
SES OF SES	01/12/24	DATE:	
OCESSION P			
No. 41784			
CON GEORGE			
	GCC	CHECK:	
H OF W	RAP, SAP	DRAFT:	
	лн, всс	FIELD:	





Bildish. DOUBLE FASTENER CPVC PIPE STRAP

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM

HYDRAULIC - SYSTEM

GENERAL NOTES

LOCATION

ALL NEW MEPING, TO BE HYBROSTATICALLY TESTED AT 140. ISS THAN 200 SSI
FOR 2 HOURS, GW.AT 70 SSI THE MEXA RESSURE WHEN HIS
MAX PRESSURE TO BE MAINTAINED IS IN EXCESS OF 150 PSI, PER NEPA 13.
ALL EQUIPMENT AND DEVICES TO BE U.L. LISTED AND F.M. APPROVED. THE SYSTEM AS SHOWN HAS BEEN DESIGNED AND SHALL BE INSTALLED BY XCEL FIRE PROTECTION INC., LOCATED AT 11A INDUSTRIAL WAY, SALEM NEW HAMPSHIRE, AND AW USE OF THESE DRAWINGS FOR ANY OTHER USE IS STRICTLY PROHIBITED.

Symbol • A

> Count 19

> > Thread

K-Factor

Sprinkler Head Schedule

1/2" 1/2"

5.6 4.9

> RA0616 7/16 FR 165 Description

ΒZ CC

ON DROP ON DROP

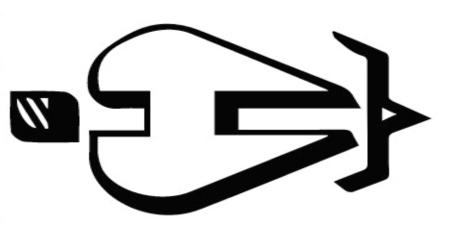
Note

NOTES.
ALL ELECTRICAL EQUIPMENT SHALL BE WIRED BY OTHERS.
FLOW SWITCH SHALL BE WIRED TO ACTIVATE THE DRELLINGS. SHOKE DITECTORS.
ARRANGEMENT SHOWN IS SCHAMTO. AND MAY BE ADMISTED TO SUIT FIELD CONDITIONS.

71PE AND FITTINGS TO BE CPVC. INSTALLATION TO CONFORM TO STANDARDS ESTABLISHED BY NFPA 13D, 2019 EDITION.

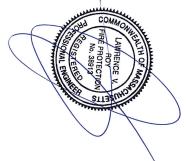
IGN CRITERIA PER NEPA 13D, 2019 EDITION

NO. OF SPRINKLERS



Hydraulic Calculations by HydraCALC

XCEL FIRE PROTECTION 11 INDUSTRIAL AVE A1 SALEM, NH, 03079 603-890-3331



9 Armory Street

Job Name Drawing Location Remote Area Contract Data File 9 Armory Street Charlestown MA

2024-011 9 Armory Calc REV 01-11-24.WXF

Computer Programs by Hydratec Inc. Revision: 50.5520.727

HYDRAULIC CALCULATIONS

Location
Drawing # Date Contract # **JOB NAME** 01/11/24 9 2024-011 Armory Street Charlestown MA 9 Armory Street

DESIGN

Occupancy classification Residential Density 05 - Gpm/SqFt
Area of application 2 HeadsWet - SqFt
Coverage/sprinkler 256 - SqFt # Sprinklers calculated 2 Total water required (including hose streams)
Type of system Wet Hose streams In-rack demand Type of system Type of sprinkler calculated Remote area location Remote area # **1** - GPM 0 - GPM 3rd Floor 25.9925 - GPM

WATER SUPPLY INFORMATION

Volume of system (dry or pre-action)

- Gal

(9)

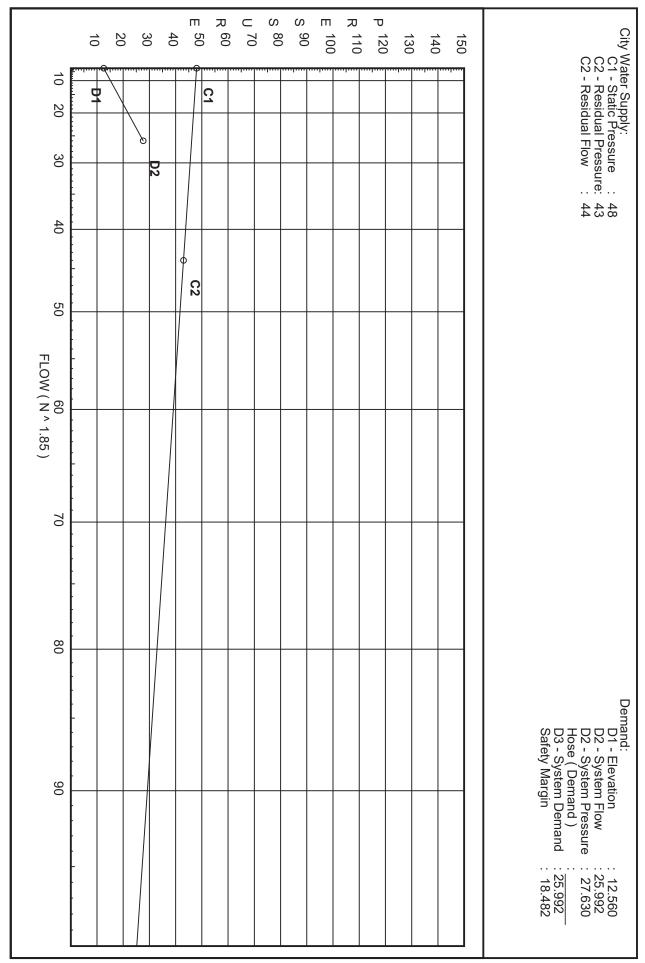
27.6298 - Psi

CONTRACTOR INFO
Address 11 INDUST
Phone # 603-890-33 Location NA Source of info Test date 11 INDUSTRIAL AVE / A1 / SALEM, NH, 03079 603-890-3331 N Z Water Pump Specifications **XCEL FIRE PROTECTION**

Authority having jurisdiction NOTES:

Name of designer MLT

text1(35) - invisible



9	_
Ď	()
Armory	CEL
3	
ō	_
Ċ	
_	
ഗ	ñ
=	
Street	TROITECT.
Ö	Ĭ
\rightarrow	\sim
	_
	=
	П
	\mathcal{C}
	_
	=
	C
	$\overline{\zeta}$

Page 3 Date 01/11/24

⊣	ш	Fitting Legend Abbrev. Nar
NFPA 13 90' Flow thru Tee	NFPA 13 90' Standard Elbow	egend Name
ω	<u> </u>	1/2
4	2	3/4/
5	Ν	<u> </u>
0	ω	11/4
œ	4	11/2
10	Οī	2
12	თ	21/2
15	7	ω
17	∞	31/2
20	10	4
25	12	Ŋ
30	14	တ
35	18	∞
50	22	10
60	27	12
71	35	14
81	40	16
91	45	18
101	50	20
121	61	24

Units Summary

Diameter Units Inches
Length Units Feet
Flow Units US Gallons per Minute
Pressure Units Pounds per Square Inch

Note: Fitting Legend provides equivalent pipe lengths for fittings types of various diameters. Equivalent lengths shown are standard for actual diameters of Sched 40 pipe and CFactors of 120 except as noted with *. The fittings marked with a * show equivalent lengths values supplied by manufacturers based on specific pipe diameters and CFactors and they require no adjustment. All values for fittings not marked with a * will be adjusted in the calculation for CFactors of other than 120 and diameters other than Sched 40 per NFPA.

Flow Summary - NFPA

XCEL FIRE PROTECTION 9 Armory Street	ROTECTION et					Page 4 Date 01/11/24
			SUPPLY ANALYSIS	NAL YSIS		
Node at Source	Static Pressure	Residual Pressure	Flow	Available Pressure	Total Demand	Required Pressure
PUMP	48.0	43	44.0	46.112	25.99	27.63
			NODE ANALYSIS	VALYSIS		
Node Tag	Elevation	Node Type	Pressure at Node	Discharge at Node	Ν	Votes
o	33.0	4.9	7.07	13.03	0.05	256
14	33.0	4.9	7.0	12.96	0.05	256
υω	33.0 33.0		7.36 8.38			
o	22.0		13.69			
7	22.0		15.53			
8	22.0		16.25			
9	22.0		17.75			
10	11.0		23.23			
PUMP	4.0		27.63			

XCEL FIRE PRO	RE PRO	XCEL FIRE PROTECTION 9 Armory Street								Page Date	5 01/11/24	24
Node1	Elev1	$\overline{}$	Qa	Nom	Fitting		Pipe	CFact	P P	* * * * * * * *))))	* * * * *
Node2	Elev2	Fact	Q	Act	Eqiv	Len	Total	Pf/Ft	P d		Notes	
<u></u>	33	4.90	13.03	_	Ш	3.825	0.550	150	7.069			
გ ნ	္သ		13.03	1.101			3.825 4.375	0.0309	0.0 0.135	Vel = 4.39		
2	33		0.0	1.25	Ш	4.762	11.100	150	7.204			
ω రే	33		13.03	1.394			4.761 15.861	0.0098	0.0 0.155	Vel = 2.74		
ω			0.0						7.359	K Factor =	4.80	
4	33	4.90	12.96	_	⊣	9.563	2.200	150	7.000			
သ to	33		12.96	1.101			9.562 11.762	0.0305	0.0 0.359	Vel = 4.37		
5 ω	33		13.03	1.25	TE	9.523 9.523	10.000	150	7.359 0.0			
57 (33		25.99	1.394	•	1	29.046	0.0350	1.017	Vel = 5.46		
ວີ່ ປາ	33		0.0	1.25	Ш	4.762	11.000 4 761	150	8.376 4.764			
6	22		25.99	1.394			15.761	0.0350	0.552	Vel = 5.46		
ာ် တ	22		0.0	1.25	± 4 E	19.046	24.000	150	13.692			
7	22		25.99	1.394		1	52.570	0.0350	1.841	Vel = 5.46		
to 7	22		0.0	1.25	2E	9.523	11.000 9.523	150	15.533 0.0			
8	22		25.99	1.394			20.523	0.0350	0.718	Vel = 5.46		
c ∞	22		0.0	1.25	T 2E	9.523 9.523	23.700 19.046	150	16.251 0.0			
9	22		25.99	1.394			42.746	0.0350	1.497	Vel = 5.46		
t o	22		0.0	1.25	2E	9.523	11.000 9.523	150	17.748 4.764			
10	1		25.99	1.394			20.523	0.0350	0.719	Vel = 5.46		
[†] 10	1		0.0	1.25	T 2E	9.523 9.523	20.000 19.046	150	23.231			
PUMP	4		25.99	1.394			39.046	0.0350	1.367	Vel = 5.46		
)									

PUMP

0.0 25.99

27.630

K Factor = 4.94

AN IN MICHAEL MADAL ELECTRODAL MAY ANNAMAN	FITE # PROBLED ROOM ELEVATION ELEVATION ELEVATION FITE # PROBLED FITE # PROBLED FITE # PROBLED FITE # PROBLED FITE # FEET FITE	DISCOURSE OF THE PROPERTY OF	ABBREVIATIONS: 25 - 27 NORMAL PROCLIMIES 26 - 27 NORMAL PROCLIMIES 26 - 28 NOVER 120 NOVER 12
	FOUNDATIONS: Foundation has when designed to comised discretionals and stores may be considered and all life bring to form the control of control or sequence of the control of the compared and and all life bring to compare and a store of the control of the con	WARE 2 1 10 15 14 15 15 11 15 15 15 15 15 15 15 15 15 15	INTIONIS (con'd): GET SECONDO 1 TO SECONDO

	-
OCCLIPANCY or USE Residential One and two-family dwellings	FLOOR LIVE LOADS: MINIMUM UNIFORM LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOAD (Each floor area with Live Loads over 50 ptl shall be clearly marked):
LINIFORM CONCENTRATED	IMUM CONCENTRATED LIVE LOADS hall be clearly marked):

BSIGENTIAL .			
One and two-family dwellings			
Uninhabitable Attic (with limited storage):	20 psf	N/A	
Habitable Attics & Steeping Areas:	30 psf	NA	
	40 psf	NA	

he Structural Engineer sh nods shown on drawings

eld by the Contractor. Any		All other areas:	40 psf	NA.
II be brought to the attention				
		CONCENTRATED FLOOR LOADS:		
		If listed above, the concentrated load shall be used to determine the greate	to determine the	greate
after the work shown on these		Unless otherwise specified, the indicated concentration shall be assumed to	gion shall be ass	g paun.
for the stability of the		distributed over an area of 2 1/2 tt ² and located to produce the maximum to	produce the max	mum lo
 jobsite safety, all shoring. 				
during construction	v	2 ROOF SNOW LOAD:		

Snow Load Importance Factor, Is:	
Ground Snow Load, Pg:	
Risk Category	uction shall be
ROOF SNOW LOAD:	ction.
	, all shoring
distributed over an area of 2 1/2 tt ² and located to pro	y of the
Circle of the second of a to the control of the case	STORES OF STREET

- ional engineer. TFMora ewith the se plans excep
- rdmensions not

- ermakes no sl, northe absence of

70-100 No.4	SING BY WEIGHT	
34	G BY WEIGHT SIEVE SIZE	
40-90	% PASSING BY WE 45-95	

- all be at least 4"-0" below
- surrounding and under n. r Testing Agency pric
- he grades indicated. Do not r stab at the top of the wall in compressive strength. noted, earth formed

- on of pipes and understat ralis.

TABLE OF CONTENTS NAME	a
NERAL STRUCTURAL NOTES	S-001
R FRAMING PLANS AND SECTIONS	S-101
OOR AND ROOF FRAMING PLANS AND SECTIONS	S-102
PICAL FOUNDATION DETAILS	S-201
PICAL FRAMING DETAILS	S-301
PICAL FRAMING DETAILS	S-302
AND SECTIONS	200

OCCUPANCY or USE Residential	FLOOR LIVE LOADS: MINIMUM UNIFORM LIVE LOADS AND MINIMUM CONCENTRATED L (Each floor area with Live Loads over 50 pet shall be clearly marked):
UNIFORM CONCENTRATED	MININUM CONCENTRATED LIVE LOADS sifshall be clearly marked):

QEMIRATED R. COR LOADS: If issed above, the concentrated bad shall be used to determine the greatest load effect. If issed above, the concentrated bad shall be used to determine the greatest load effect. If it issed above, the concentrated bad shall be assumed to be uniformly utilises offerwise specified, the indicated concentration shall be assumed to be uniformly detributed one to a read of 17.1 RP and bottled to produce the maximum load effects.

15 psf 5 psf 12 psf

- 27 psf 45 psf 67 psf 32 psf 38 psf
- EARTHQUAKE DESIGN DATA: Risk Category:

	Basic Seismic-Force-Resisting System:	Seismic Design Category:	Site Class:	1.0s Spectral Response Coefficient, Sd 1:	0.2s Spectral Response Coefficient, Sds:	1.0s Mapped Spectral Response Acceleration, S1:	0.2s Mapped Spectral Response Acceleration, Ss:	Seismic Importance Factor, Ie:	Non Caregory.
Structural Wo	Light Frame V	œ	D (Assumed)	0.109g	0.303g	0.088g	0.29g	1.0	

affixpalse Design for Residential Bultings: of required airors the session is requirement for the structures assigned to the Seismic Design ategory noted above are exempt by the building code.

- independent testing agency and/or structural engineer

LOOR LOADS:	-family dwellings stable Attic (with limited storage); te Attics & Steeping Areas; r areas;
	20 psf 40 psf
	NNAN

LVELOAD:	kit Cate gray count Shorw Load, Pg: count Shorw Load in professor Record con Load in professor Record core Exposure Fractor, Cite sermal Fractor, Cite serma
20 psf MIN	45 psf 1.0 1.1 1.1 (1.2 af Unheated Areas) 35 psf (38 af Unheated Areas) Per ASCE-7

- NOTE: This structure has been designed as an endosed building as defined in ASCE7, All e stetor until gazing abat be impact resistant or probable with an impact-resistant covering meeting the requirements of the international Building Gode referenced on this sheet.

- Tests and inspections shall be comp inspection chapter. e with the applicable IBC Special
- The Special inspection Coordinator shall be a licensed Professional Engineer registered in the state the project is located in. Unless specifiedly stated in writing and lifetion on the Statement of Special inspections. First is not the Special inspector of Special inspector in Special inspector and this service shall be provided as a direct contract to the Owner as per the Building Code.
- demove and replace work where test results indicate that it does not comply with specified equirements. Additional testing and inspecting, all Contractors ouperas, without performed to retermine compliance of replaced or additional work with specified requirements.
- installed Anchorage by independent testing agency and/or structural engineer.

- Wood by independent testing agency and/or studural engineer:

- . Geotechnical information: See Foundation General Notes for additional information.
- Flood Load:
 Froe students is not designed for food hazard areas, nor to be submerged or subject to wave addon. If constructed in a flood plain, the shades the haided above the minimum base flood deviation as demonstrated from flood servation anys for the building site site ait-visition or supported on a foundation designed for flood levels.

10. Other Loads: Relaining Walls Relaining Huid Pressure: Vertical Live Load Surcharge:

STRUCTURAL TESTS AND INSPECTIONS:

- Studural Trests, Inspections, and Reports for solls, pier foundations, concrete construction and other applicable construction shall be promptly submitted in writing to the Structural Engineer and Contractor.
- A Final Statement of Special inspections, stamped by the Special inspector Coordinator, he provided to TFM at the completion of the project. The document shall be stamped by professional engineer registered in the state the project is located in.
- Inspect steel reinforcement for size, spacing, cover, positioning, splices, and proper grade Perform concrete tests for compressive strength, stump, air content, and temperature.
- Inspect anchors for proper size, positioning, spacing, edge distance cleaning per the manufacturer's installation specifications.
- chair disservations:

 The draw is many many and a construction for coordination of sits observations per Chapter Notify employer of progress of construction for coordination of sits observations are intended for mixers of operate flowing intent and do not relieve the general contractor of their responsibility to perform quality control.

Concrete shall be a mix designed for utimate strength in accordance with ACI 211.1 to achieve the following minimum 28-day compressive strengths: All concrete work shall conform to the requirements of ACI 301 "Specifications for Structural Concrete" and ACI 318 "Building Code Requirements for Structural Concrete".

Interior States on Grade and Housekeeping Pads: Compressive Strength	A Compression of the service of the
3.500 psi, Normal W	4,000 psi, Normal W 3" +/- 1" 4" to 6" 0.45 6% +/- 1%

Concrete shall conform to the following: Cerment:

0.50 6

New wood for structural use shall have a moisture content as specified in the "National Design Specification for Wood Construction." Work shall be in accordance with the applicable American Wood Council, ANSI ARSPA, "National Design Specification for Wood Constaction (MDS)" including "Design Values for Wood Construction", National Forest Products Association.

Wood construction shall conform to applicable IBC, Chapter and Section for "Conventional Light-frame Construction."

ARMORY ST.

0

CHARLESTOWN, MA

- Commit: Montain Commit Assist Commit Commit

All roof almost parents with the Set Pack (Life of the proof) revenue of SSA, And All and SSA, And Card (Life of SSA, And All and and

- Produce place and protect concrete during periods of cold weather as cutined in ACI 30th.
 Standard Specification for Cold Weather Concreting and Aring protect of hot weather as outlined in ACI 30th.1 "Standard Specification for Hot Weather Concreting."
- Mechanically vibrate and consolidate teathy cast concrete around refricting basis and against form surfaced to pure with the formation of air or some pockets, horreycombing, pitting, or plane of weatness. Do not over vibrate such that aggregate separation occurs.
- Exposed concrete shall be rubbed imme drawings for finish type.

- Horozonia wal construction jordes shall be as inclusated on the drawings. Vertical construction jordes shall be approved by the articles date shall shall entermorely well correct jordes. Space wetical construct or construction jordes all concrete walls no move than \$0.40 or constex. Construction jordes shall be dismost with a key, and restricting shall be disposed to develop the full features of copacity of the (mildier) but.

Above Ground, exterior construction: (Beams, joists and stringers not in contact with the ground)

OCA, AOQ-C.D .25 CA-B .1 NCA-C .05

UC2 UC2

- Provide pockets in walls with pressure treated wood bearing plates for support of all beams framing intolonto foundation waits unless noted otherwise.
- 21. Post installed anchors shall be installed in sound concerts in a coordance with the manufacture's recommendations installations. Paintineing ties is fall in due to install anchors. Place opoxylathe sive/apylic archors in materials at manufacturer recommende ranges. If temperature ranges cannot be activitied, coordinate appropriate opoxylathesivetacrylic material substitute for approval with structural engineer.
- 23. Submittals to the Shruchurd Engineer are required for each concrete mix design to be used moduling mix designs, cemeratious materials, aggregates, atmotutes, and appropriate instort compressive awayed has total and put 131. 81 dut and clott Whether procedures and side outing procedures, Epocyathrenivary (of experient mothor product data. Experient print materials, seales and curring comprutary pound under data.

REINFORCING STEEL:

- Welded wire fabric (WWF) shall conform to ASTM A1064, Lap 1.5 squares at joints and tie a 3-0" c.c. Furnish WWF in fast sheets.
- Welded wire fabric (WWF) at slabs on grade shall be supported on chairs or botsters spaced a 24"-36" or less, as required to maintain WWF at indicated clear cover location.
- Clear concrete cover over bars shall be as follows conditions not noted): Foolings: Walls and Piers (exposed to earth): Stab on grade: 3 inches (bottom), 2 inches (top and side 2 inches (side) 2 inches (top) unless otherwise noted (see ACI 318 for
- Accessories in contact with forms to be removed shall have up turned legs and be plastic-dipped after fabrication. Accessories for reinforcing shall be in accordance with ACI current edition.
- No bars shall be cut or omitted in the field because of steeres, duct openings or recesses. Bars may be moved aside without change in level with the prior approval of the Structural Engineer.

Submittals to the Structural Engineer are required for product data of all accessories, including WWF, chairs, bolisters and mechanical connectors.

- Shop or Erection drawings shall be submitted to the Structural Engineer showing the layout spacing, lap lengths, quantity and sizes of all concrete reinforcing.

	Interior Slabs on Grade and Housekeeping Pads:
6% ±/-1%	Ar Entrainment
4" 10 6"	Max Slump (with plant added water reducer)
31 キャ	Max Slump (without plant added water reducer)
4,000 psi, Normal	Compressive Strength, fc
	Foundation Footings, Walls, Outdoor stairs, and slabs:

- 10. Stab surfaces shall have a steel trowel firstly unbest moted on shundard, architectural or civil drawings. The CC, shall concern but ACI Class of Floors, ACI Finding of Boors, A/STM Floor Floors (FI) and Country of Floors (A) Finding of Boors (A) Finding of Floors (A) Finding of Floors (A) Finding of Floors (A) Finding of Country (A) F
- Cure and protest slabs for not less than eaven (7) days with a curing compound conforming to ASTM C300 companible with any intended floor overlay. Do not install finish flooring until the slab has adequately cured.
- Concrete floor hardener shall be "Ashford Formula" manufactured by Curecrete Chemical Company or approved equivalent, coordinate locations w/ Owner.

Spacies (Material
Space Pre PF (SPP) No. (1No. 2:
Space Pre PF (SPP) No. (1No. 2:
Southern Pres (SP) No. (1:
Laminated Verser (Lamber (NJ.) 1.9E mambors:
Panel of Strand Lumber (PSI, 1.2 BE (Gottms);
Panel of Strand Lumber (PSI, 1.2 BE (Gottms);
Panel of Strand Lumber (RSI, 1.3 EE (Jobes / Studs);

Min. Design Values
E (ss) Fb (ss)
1466 875
1466 1100
1366 2,000
2,066 2,000
1,366 2,400
1,366 1,700

Fy (ps) 135 175 285 290 190

48 Constitution Drive Bedford, NH 03110 Phone #: (603) 472-4488 Fax #: (603) 472-9747 www.timoran.com TFM Project#: 31679.00 Engineers Structura

treated (P.T.) wood shall meet the following

Wood framing shall have the minimum design values:

Learnined Stant Lurber (L.SL.) joids and stud members shall be 1.3E Tus "Lost Timber Stant L.SL as manufactured by Weyerhaeuser or approved equivalent. See minimum properties before.

Laminated Veneer Lumber (LVL) members shall be 1.9E Trus Joist Microllam LVL as manufactured by Weyerhaeuser or approved equivalent. See minimum properties below: Wood exposed to the weather or in contact with concrete or masonry shall be pressure treated (P.T.) Southern Pine No. 1, unless noted. See minimum properties below: Framing for walls, joists, raffees beams and headers shall be Spruce-Pine-Fir (SPF) No. 1/ No. 2, unless noted. Dimensioned lumber represents naminal states. See minimum properties below.

FRE//CHZD

- Salb cored joths, not shown on the drawings, shall be led cut in a square or rechangular feshion in accordance with AOI recommendations. Typical 45th on Octava Dealbla and with the leggl mot exceeding the width by 20%. No assurance is offered by TMR that emotion shrinking crasking with mot out. If coordinate joint colors with Anches LO in not cut also control joint to elevated out proposels aliase. Till joints, unless otherwise model with semi-right epoxy joint filter such as Motografic Colors Sey-Pro X. to require services.
- Openings in concrete waits shall be boated, sized, and reinforced (with the exception of small openings and/or steward of size that will not deplace or interrupt the controlly of the reinforcing) as shown on respective details. Any alterations require approval of the Sinutural Engineer.
- 16. No pipe shall pass through concrete without permission from the Studural Engineer. Pipe shareves shall be provided and spaced a minimum of three (3) dameters spart. Pipes shall no pass through too tings. keys shall be 2"x4" with beveled sides.
- Do not baddill foundation waits until the concerte has been in place for seven (7) days and all annot 75% of its design compressive strength. Do not backfill retaining waits until floor. I framing and side on grade has been all accel. Foundations shall achieve the design strength prior to supporting structural framing above.
- Wood to steel and wood to wood botted connectors shall be made with ASTM AST7 botts with flar washine. Both notes in wood shall be 1/32" larger than the bot!. Wood naties shall be fastemed with (2) rows of 1/2" diameter carriage boits staggered at 2-0" oc. unless otherwise noted.

Field treat cut ends of P.T. wood with Copper Naphthenal Greene.

Chromated Copper Araenate (CCA), Alkaline Copper Quaternary (ACQ), Copper Azole (CA) and Micronized Copper Azole (MCA)

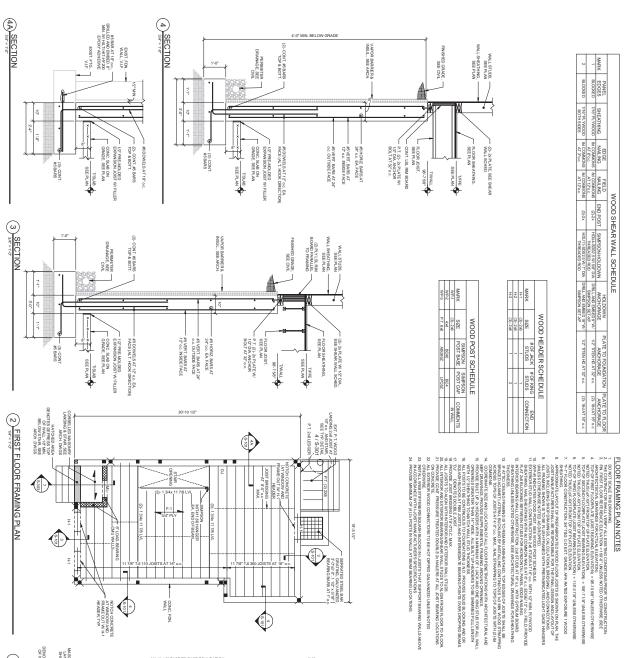
OCA, ACQ-C,D .4 CA-B .21 MCA-C .15 OCA, AOQ-C,D. 25 CA-B .1 MCA-C .05

- Stoke wall holdsom andror bots and fireaded cide shallon ASTM F 1554 Gr. 20 for demakes 3.4f or lass and high-stergift (HS) andror bots ASTM F 1554 Gr. 55. Supplement I wedshel) for diameters slagar than 3ff. Andrors caused in concrete an abuse to brason of totals, andror bots are not permitted. Provide diameters and dimensions desiled within schedule or as per manufacture.
- Fastening Schedule: See applicable IBC table "Fastening Schedule" and Typical Detail Sheets for fastening halling requirements. Anchor boths for wood still plates to concrete shall be galvanized min. ASTM A307 headed of the diameters and dimensions detailed or noted on the drawings.
- Top plates: Bearing and extetior wall study shall be capped with cluddle top plates (urtess notecome of the whole), installed to provide contrapping at contrast and wall intersections with other partitions. End joints in top plates shall be offest no less than 46°.
- Provide lateral support at all bearing points and along compression edges at intervals of 24"o. or closer. The lateral bracing system includes plywood wall and roof sheathing. Contractor shall provide temporary bracing as required to laterally support the structure during construction.
- Minimum section width = 1.34°. The 3.1/2′, 5.14°, and 7° members may be combinations of 1.34° members. Follow manufacturers guidelines for Multiple Member Connections for side loaded beams.
- Wood Construction Connectors shall be manufactured by Simpson Strong-Tie Co., MTek Industries, inc. or approved equal and installed in accordance with the manufactures recommendations.
- All wood fasteners and hargers in contact with pressure treated (P.T.), and or fire retardent treated (PRT) lambers are to be shintess select or brid topped planarized (rinh 2.0 cc/l*v2). Hargers located in Ocean/Water Front environments shall be stairtiess steel.
- Shop or Erection (placement) drawings shall be submitted to the Structural Engineer showing the layout, sizes and anchorage details for all engineered lumber framing. Submittals to the Structural Engineer shall include engin product data, engineered lumber product data.
- GENERAL STRUCTURAL NOTES

S-001

12" = 1'-0"

Scale



FRE/VCH2D

FOUNDATION PLAN NOTES

LO DIVIDIZAZIO RINGORANNOS.

TO DIVIDIZAZIO RINGORANNOS.

TO DIVIDIZAZIO RINGORANNOS.

REPORTURA LI DIVIDIZAZIO RINGORANIA RINGOR

7. REZINDANS WITH PINEL RESISTED CHARACTER TIPELARES INJECTS WITTED OTHERWISES.
8. TOP OF TOWN THE PINEL RESISTED CHARACTER TIPELARES INJECTS WITTED OTHERWISES.
9. TOP OF TOWN THE PINEL RESISTED OTHERWISES.
9. TOW

CHARLESTOWN, MA

ARMORY ST. 0



(S-101)

PRÖVIDE ADDITIONAL SLAB

REINF. AT ALL SLAB

CORNERS, SEE TYP. DETAIL

HATCHED AREA DENOTES
DEPRESS TOP OF WALL AT
WINDOW OPENING, SEE
ARCH DWGS.

E3N

W/DRAIN AT AND GRATE E ARCH, DWGS

48 Constitution Drive Bedfood, NH 03110 Phone #: (603) 472-4488 Fax #: (603) 472-9747 www.ffmoran.com TFM Project#: 31679.00 Engineers





WALL FDN.

" CONC. SLAB ON GRA ELEV. = 90'-11/2" SEE FDN NOTE #5

FOUNDATION AND FIRST FLOOR FRAMING PLANS AND SECTIONS

- HATCHED AREA DENOTES
DEPRESS TOP OF WALLAT
WINDOW OPENING, SEE
ARCH. DWGS.

HATCHED AREA DENOTES DEPRESS TOP
OF WALL -18" AT STAIR,
SEE ARCH, DWGS. MASONRY & CONCRETE LANDING. STAIRS NOT SHOWN FOR CLARITY, SEE ARCH. DWGS

S-101

1) FOUNDATION AND BASEMENT FLOOR SLAB ON GRADE

As indicated

Scale



			_		_		
			HG	H-2	14.4	MARK	
	WOOL		(3)- 2x8	(3)- 2x8	(3)- 2x6	SIZE	WOOD
200000000000000000000000000000000000000	WOOD POST SCHEDULE		-	-	-	# OF JACK STUDS	HEADER S
000000	HEDULE		2	-	_	# OF KING STUDS	WOOD HEADER SCHEDULE
						CONNECTION	

ROOF FRAMING PLAN NOTES

- MIGLATER WOOD POST SEE WOOD POST SCHEDULE
 DORSTUD WALL COMERTION 25 STUDEN IT 90 O. MUTH 1/2 MIN PLYMOOD
 MIGLACIONE SETTINEN WITH 36 COMMON MARE ST 97 OO. EDGE! 77 OO. ETGE DERVIDE
 MIGLACIONE SETTINEN SINDESTEN POSTOCIAL PAPEL EDGE HAND
 MIGLATER SETTINEN STUDEN POSTOCIAL POSTOCIAL
 MIGHANIST SETTINEN STUDEN POSTOCIAL
 MIGHANIST SETTINEN SETTINEN STUDEN POSTOCIAL
 MIGHANIST SON SETTINEN SETTINEN STUDEN POSTOCIAL
 MIGHANIST SON SETTINEN SETTINEN STUDEN POSTOCIAL
 MIGHANIST SON SETTINEN SETTINEN SETTINEN SETTINEN SETTINEN SETTINEN
 MIGHANIST SETTINEN SETT

15. SERGERO CALCATORS SHALL BE PROPIEDD BETTERED HECHALLA LUMITS AND FRANKO.

16. CORRINANI MILITER CHANALA CORRINATIONS.

17. CORRINANI MILITER CHANALA CORRINATIONS.

18. CORRINA MILITER SHAMELA CORRINATIONS.

19. CORRINATIONS CONTRACTIONS OF THE SHAMELA MILITER SHAME

- Forested with invaces to Actual is excessed, we shall exceed a social and transcription of the Actual Actual and the Actual Actu CÉEL NG FRAMING IS TO REMAN UNBHEATHED. TOP EDGES OF JOSTS SHALL BE AGANST LATERAL BUCKANGES YA BITALLES CONTINUOUS LAS AIN WOOD STRAPPIN TOPS OF JOSTS AT 4-4" O.A. MAX. "ANE. STRAPPING TO TOPS OF JOSTS WITH (2)-85
- IN MUNICIPA DI RECOMMINICIA DI CONTROLLA DI CONTROLLA DEL RECOMPO ANDOR DE LOS BECCHOS AND DE LOS BE

FLOOR FRAMING PLAN NOTES

ARMORY ST.

0

CHARLESTOWN, MA

- TRYCEE INS FRANING IS TO REMAIN UNSHEATHED, TOP EDGES OF JOISTS SHALL BE EDD AGAINST LATERAL BUCKLING BY INSTALLING CONTINUOUS 16 MIN WOOD STRAPPIN JOSE TOPS CUSTS AT 4 CF o.e. MAX, INAL STRAPPING TO TOPS OF JOISTS WITH (2)-8d KONS.

FRE//CH2D









EXTENDS BEYOND WALL BELOW

PROVIDE WEB
STIFFENERS &
SOUTH EVER JOIST
OVER WALL
BELOW

R LANDING. 8 JOISTS AT 16" o.c.

<u>-</u>

H-3

PROVIDE WEB
STIFFELESS
CONTLEVES
WALLBELOW

1
SSIG

a reconstruction
samped By:
Dawn By: AMG
Oneclasd By: KER
Date: 01/18/2024
devisions

(\$.303

FLOOR AND ROOF FRAMING PLANS AND SECTIONS

S-102

As indicated

Scale

1 SECOND FLOOR FRAMING PLAN

3 ROOF FRAMING PLAN

2 THIRD FLOOR FRAMING PLAN

(S-303)

PROVIDE WEB STIFFENERS & CANTILEVER JOIST OVER WALL BELOW

R2

PROVIDE WEB STIFFENERS & CANTILE VER JOIST OVER WALL BELOW

- FLOOR EDGE EXTENDS BEYOND WALL BELOW

<u>-</u>

- to

h

