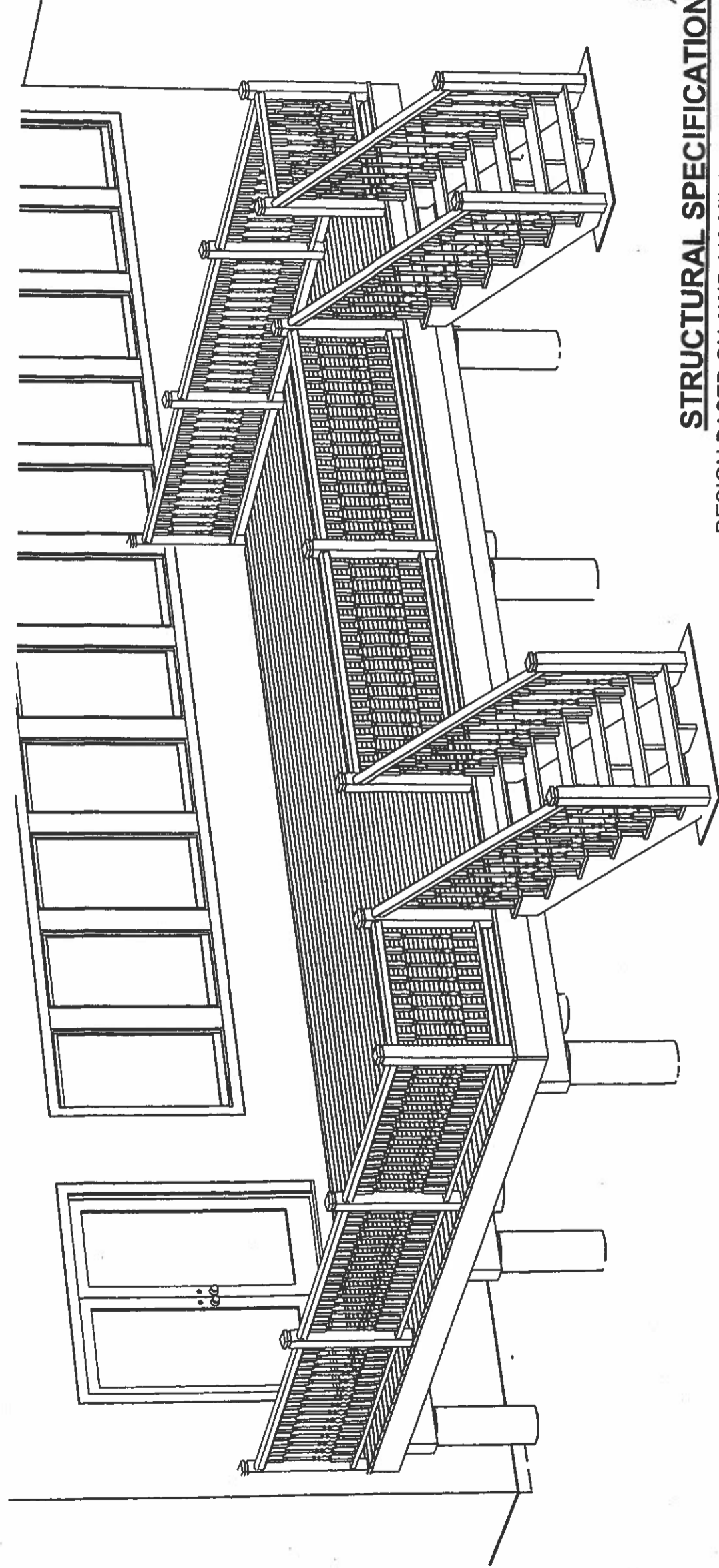


PROPOSED NEW DECK STRUCTURE FOR

MR. JOSE MATOS

103 WILLARD STREET

NEW BEDFORD, MASSACHUSETTS



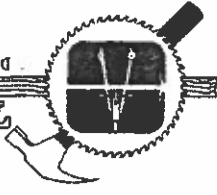
STRUCTURAL SPECIFICATIONS

DESIGN BASED ON AWC 110 MPH EXPOSURE B WFCM
(PREPARED IN ACCORDANCE WITH 780 CMR 5301.2.1(1))

IMPORTANT NOTE

THE ASSEMBLY OF THE STRUCTURE SHALL FOLLOW THESE SPECIFICATIONS, THE REFERENCE CODES AND THE BUILDING PLANS IN ITS ENTIRETY IN ORDER TO COMPLY WITH THE REQUIREMENTS OF 780 CMR 5301.2.1.1 ITEM 1

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NO.	DESCRIPTION	DATE
0	PRELIMINARY	12/14/15
1	PERMIT SET	12/24/15

PROJECT NAME:
**PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS**

SHEET NAME:

COVER

DRAWN BY: T.DASILVA

DATE: 12/24/15 REV#1

SCALE: AS SHOWN

JOB NO.: 2015-09-A

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SHEET NO.

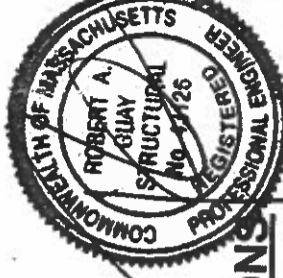
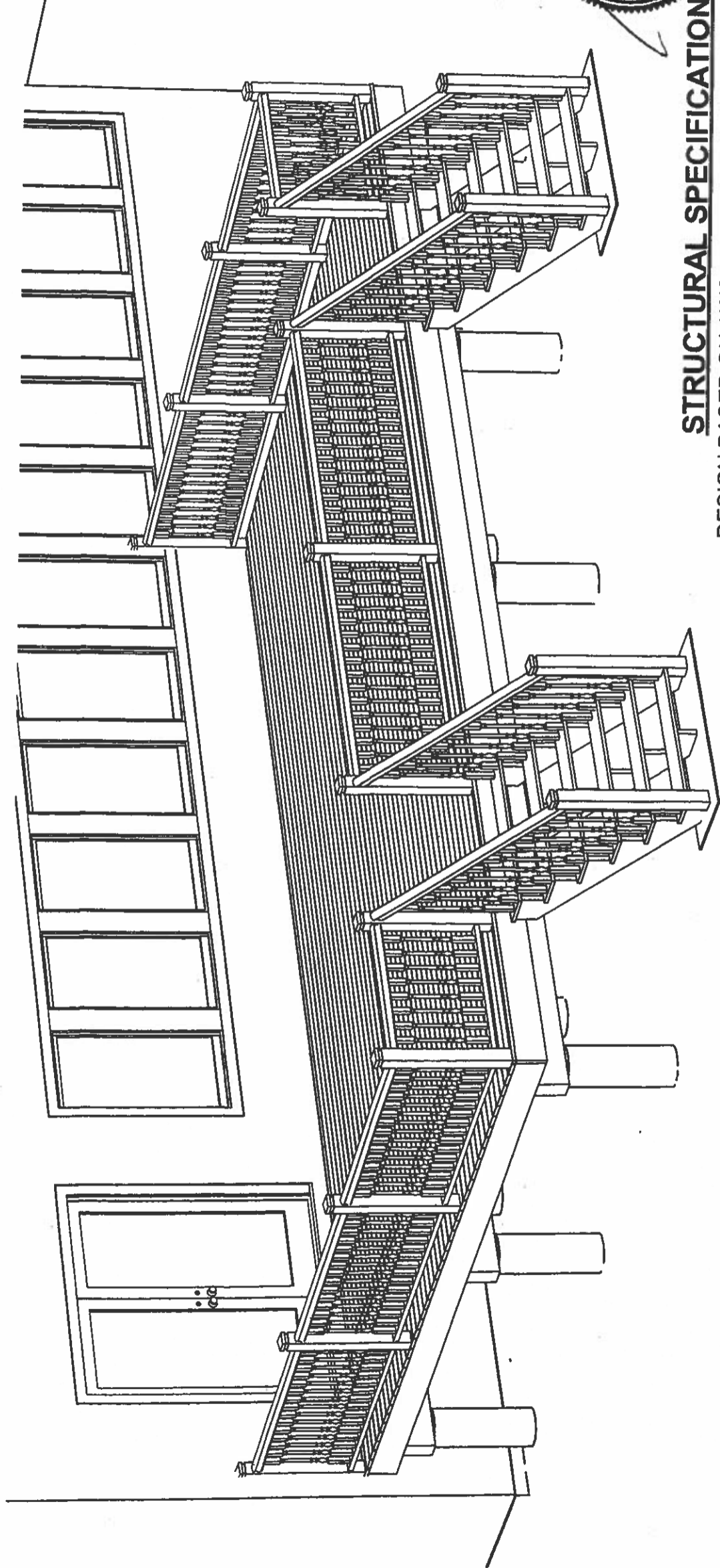
A-1

PROPOSED NEW DECK STRUCTURE FOR

MR. JOSE MATOS

103 WILLARD STREET

NEW BEDFORD, MASSACHUSETTS



STRUCTURAL SPECIFICATIONS
 DESIGN BASED ON AWC 110 MPH EXPOSURE B WFCM GUIDE
 (PREPARED IN ACCORDANCE WITH 780 CMR 5301.2.1.1)

IMPORTANT NOTE

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NO.	DESCRIPTION	DATE
0	PRELIMINARY	12/14/15
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PROJECT NAME:
**PROPOSED NEW DECK STRUCTURE
 FOR
 MR. JOSE MATOS
 103 WILLARD STREET
 NEW BEDFORD, MASSACHUSETTS**

SHEET NAME:
COVER

DRAWN BY: T. DASILVA
 DATE: 12/24/15 REV#1
 SCALE: AS SHOWN
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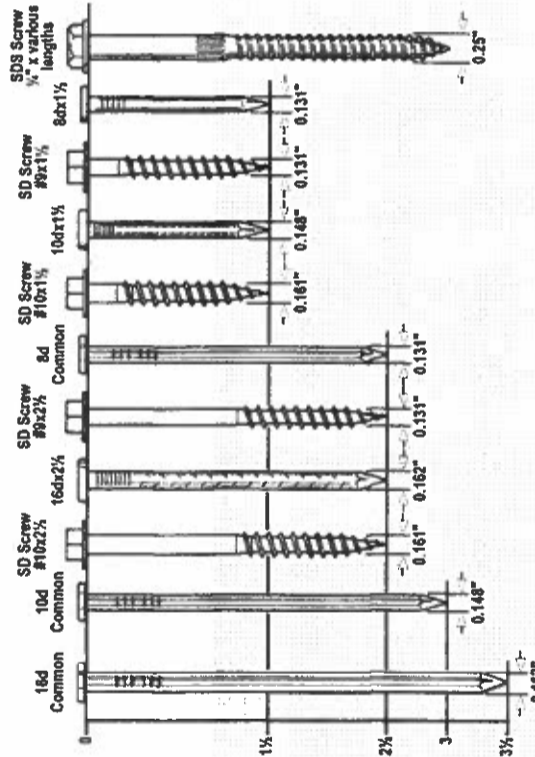
SHEET NO.:

A-1

SIMPSON STRONG-TIE NOTES

- Outdoor environments are generally more corrosive to steel. If you choose to use ZMAX® or HDG finish or stainless steel material on an outdoor project, you should periodically inspect your connectors and fasteners or have a professional inspection performed. Regular maintenance, including water-proofing of the wood used in your outdoor project is also a good practice.
- Coatings Available:
 - ZMAX: Galvanized (G185) 1.85 oz. of zinc per square foot of surface area. (hot-dip galvanized per ASTM A653 total both sides). These products require hot-dip galvanized fasteners (fasteners which meet the specifications of ASTM A153).
 - HDG - Hot Dip Galvanized: Products are hot-dip galvanized after fabrication (14 ga. and thicker). The coating weight increases with material thickness. The minimum specified coating weight is 2.0 oz. per square foot. (per ASTM A123 total both sides). These products require hot-dip galvanized fasteners (fasteners which meet the specifications of ASTM A153).
 - SS - Stainless Steel: Connectors are manufactured from Type 316L stainless steel, and provide greater durability against corrosion. Stainless-steel nails are required with stainless-steel products, and are available from Simpson Strong-Tie.
- When using stainless steel connectors, use stainless steel fasteners. When applications allow the use of ZMAX/HDG galvanized connectors, use HDG fasteners that meet the specifications of ASTM A153 or equivalent coating offered on Simpson Strong-Tie fasteners.
- Due to many variables involved with outdoor construction, Simpson Strong-Tie cannot provide estimates on service life of connectors, anchors or fasteners.
- To obtain optimal performance from Simpson Strong-Tie products, the products must be installed properly and used in accordance with the installation instructions and design limits provided by Simpson Strong-Tie.
- All installation notes and guidelines within the current Wood Construction Connectors catalog shall apply for the connectors, anchors, and fasteners shown.
- Simpson Strong-Tie reserves the right to change the specifications, design and models shown without notice or liability for such changes.
- Simpson Strong-Tie does not guarantee the performance or safety of products that are modified, improperly installed or not used in accordance with the design.
- All references to bolts or machine bolts (MB) are structural quality through bolts (not lag screws or carriage bolts) equal to or better than ASTM A307, grade A. Bolt holes shall be at least a minimum 1/32" and no more than a maximum of 1/16" larger than the bolt diameter per 2005 NDS Section 11.1.2.
- Unless noted otherwise, all references to standard cut washers refer to Type A plain washers (W) conforming to the dimensions shown in ASME B18.22.1 for the appropriate rod sizes.
- Unless stated otherwise, Simpson Strong-Tie cannot and does not make any representation regarding the suitability of use or load-carrying capacities of connectors installed with improper fasteners.

SIMPSON STRONG-TIE FASTENER NOTES



Fastener Notes:

- The specified quantity, type and size of fastener must be installed in the correct holes on the connector to achieve published loads. Incorrect fastener selection or installation can compromise connector performance and could lead to failure.
- Nail diameter assumes no coating. See technical bulletin T-NAIL GUIDE for more information.
- The Simpson Strong-Drive® SD structural-connector screw is the only screw approved for use with our connectors.
- NAIL, reference in tables: 16d = 16d common, 10d = 10d common

DESIGN
DRAWINGS ARE TO BE USED WITH THE ENTIRETY OF DRAWINGS. REGULATIONS ARE TO BE STRICTLY FOLLOWED. METHODS OF ERECTION OF STRUCTURAL MEMBERS IS THE RESPONSIBILITY OF THE DESIGNER/CONSULTANT. THE DESIGNER/CONSULTANT SHALL BE RESPONSIBLE FOR DISSEMINATION OF ALL REVISIONS TO THE SUB-CONTRACTORS. CARE HAS BEEN TAKEN IN THE PREPARATION OF ALL DRAWINGS. HOWEVER, THE DESIGNER/CONSULTANT DOES NOT GUARANTEE HUMAN ERROR AND FOR THAT REASON IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS AND CONDITIONS AND DIMENSIONS OF THE FOUNDATION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER/CONSULTANT BEFORE PROCEEDING. ALL WORK SHALL BE IN COMPLIANCE WITH NATIONAL, STATE AND LOCAL CODES AND MATERIALS SHALL BE COORDINATED WITH OWNER AND THE OWNER, BUILDER AND CONTRACTORS SHALL CHECK AND VERIFY ALL DIMENSIONS BEFORE STARTING WORK. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH OWNER.

WOOD
WAY NOT APPLY TO THIS PROJECT)
LUMBER SHALL BE KILN DRIED 19% MAXIMUM MOISTURE
LUMBER SHALL MEET AS A MINIMUM THE FOLLOWING DESIGN
SPECIFICATIONS:
SPRUCE-PINE-FIR:
CONSTRUCTION GRADE Fb=800, Fv=70, Fc=750
S/RAFTERS NO. 1 GRADE Fb=1150, Fv=70
1 GRADE Fb= 800, Fv=65, Fc=675

ALL BE IN ACCORDANCE WITH THE DETAILS SHOWN AND REQUIREMENTS OF THE MASSACHUSETTS STATE BUILDING CODE. DIMENSIONS ARE A MANUFACTURED BY SIMPSON STRONG-TIE CO. CONNECTIONS MUST BE APPROVED IN WRITING BY AN ENGINEER. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND MUST EMPLOY ALL FASTENERS.

CONNECTORS SHALL BE HOT DIP GALVANIZED.
CONNECTOR FASTENERS BEFORE LOADING THE JOINT.
IS NOT ACCEPTABLE FOR ANY CONNECTIONS.
FRAMING MEMBERS SHALL BE TREATED PER AWPA C2/C9/CCA
MEMBERS IN CONTACT WITH SOIL SHALL BE TREATED PER AWPA
.60. JOB SITE FABRICATION CUTS AND BORES SHALL BE
IN ACCORDANCE WITH AWPA STD M4.
TREATED LVL WOOD FRAMING COMPONENTS SHALL HAVE THE
PHYSICAL PROPERTIES AS A MINIMUM:
b=2900, Fv=240
FRAMING SHALL BE 2" x 10" PRESSURE TREATED @ 16" O.C. OR
AS OTHERWISE NOTED)

WORK AND MATERIALS SHALL COMPLY WITH THE
REQUIREMENTS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-89).
CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI
MINIMUM 1-INCH AGGREGATE AND MAXIMUM 6% AIR ENTRAPMENT
CONCRETE EXPOSED TO MOISTURE.
REINFORCING STEEL SHALL BE DEFORMED BARS OF NEW BILLET STEEL
TO ASTM A 615 GRADE 60.
REINFORCING BARS SHALL BE PLACED AS FOLLOWS:
CONCRETE SHALL BE PLACED DIRECTLY AGAINST EARTH.
OTHER LOCATIONS.

CONSTRUCTION JOINTS ARE ALLOWED, UNLESS
OTHER LOCATIONS ARE SHOWN ON THE DRAWINGS OR ALLOWED IN WRITING BY AN
ENGINEER.
BASE PLATES SHALL BE NON-SHRINK AND NON-METALLIC,
MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
FOUNDATION SHALL BE ADEQUATELY TIED TOGETHER AND
FORM TRUE LINES, SQUARE CORNERS AND PLUMB WALLS.
CONCRETE SHALL BE POURED CONTINUOUSLY WITH NO JOINTS. DO NOT
STOP POURING UNLESS IT BECOMES NON-PLASTIC AND UNWORKABLE.
REINFORCING SHALL BE POURED ON UNDISTURBED SOIL.

DESIGN & CONSTRUCTION SERVICES
TRIAN
PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

NO.	DESCRIPTION	DATE
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1	PERMIT SET	12/24/15

PROJECT NAME: PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

SHEET NAME:

NOTES

DRAWN BY: T. DASILVA
DATE: 12/24/15 REV#1
SCALE: A5 SHOWN
JOB NO.: 2015-09-A

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SHEET NO:

A-2

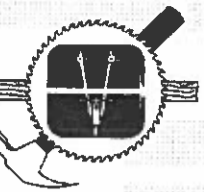


STRUCTURAL SPECIFICATIONS

DESIGN BASED ON AWC 110 MPH EXPOSURE B WFCM GUIDE
(PREPARED IN ACCORDANCE WITH 780 CMR 5301.2.1.1)

IMPORTANT NOTE

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NO.	DESCRIPTION	DATE
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1	PERMIT SET	12/24/15

PROJECT NAME:
PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

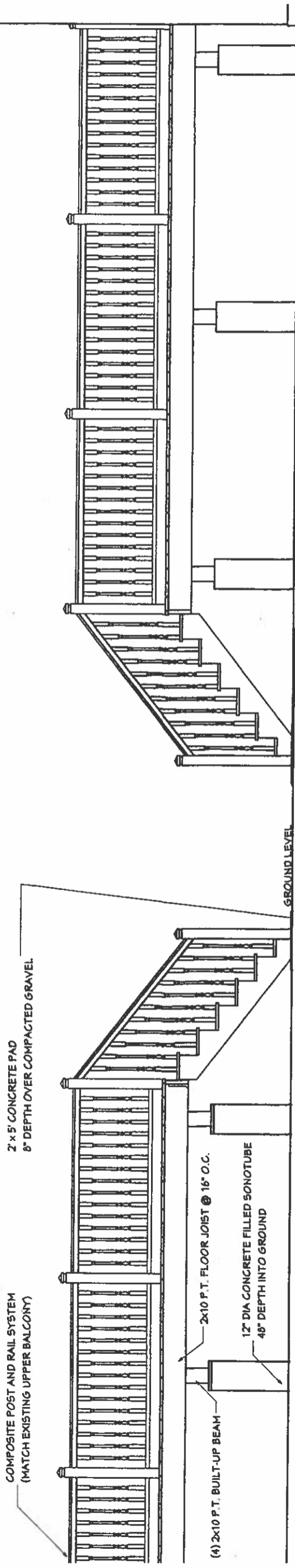
SHEET NAME:

**ELEVATION
PLAN**

DRAWN BY: T. DASILVA
 DATE: 12/24/15 REV#1
 SCALE: AS SHOWN
 JOB NO.: 2015-09-A

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SHEET NO:

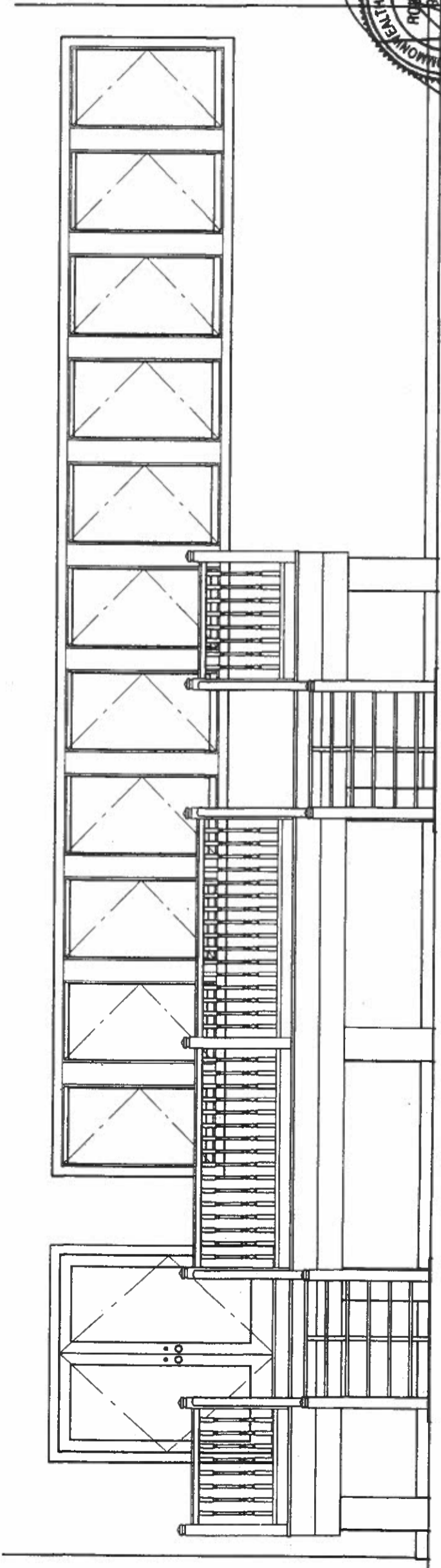


LEFT SIDE ELEVATION PLAN

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

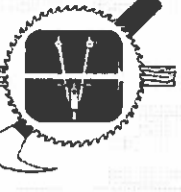
RIGHT SIDE ELEVATION PLAN

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



FRONT ELEVATION PLAN

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



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1	PERMIT SET	12/24/15

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PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

SHEET NAME:

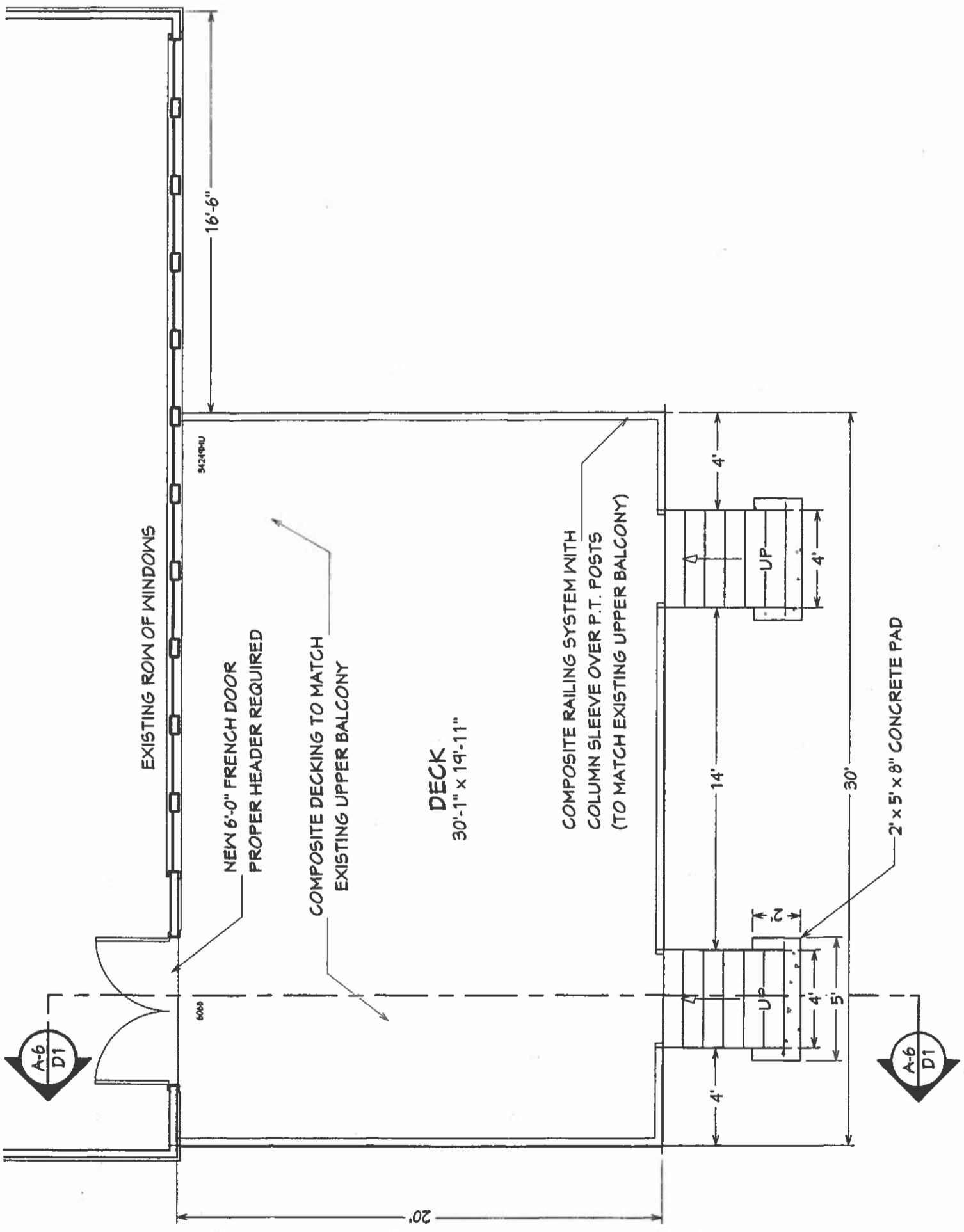
**DECK
FLOOR
PLAN**

DRAWN BY: T. DASILVA
 DATE: 12/24/15 REV#1
 SCALE: AS SHOWN
 JOB NO.: 2015-09-A

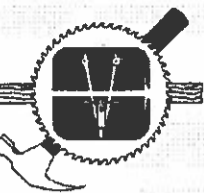
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 CONSTRUCTION SERVICES

SHEET NO:

A-4



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



NO.	DESCRIPTION	DATE
0	PRELIMINARY	12/14/15
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PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

PROJECT NAME:

SHEET NAME:

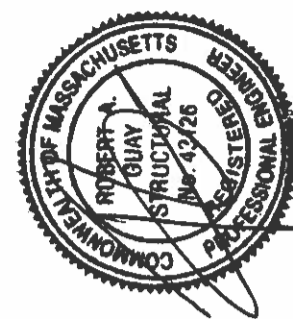
DECK
FOOTING
PLAN

DRAWN BY: T.DASILVA
DATE: 12/24/15 REV#1
SCALE: AS SHOWN
JOB NO.: 2015-09-A

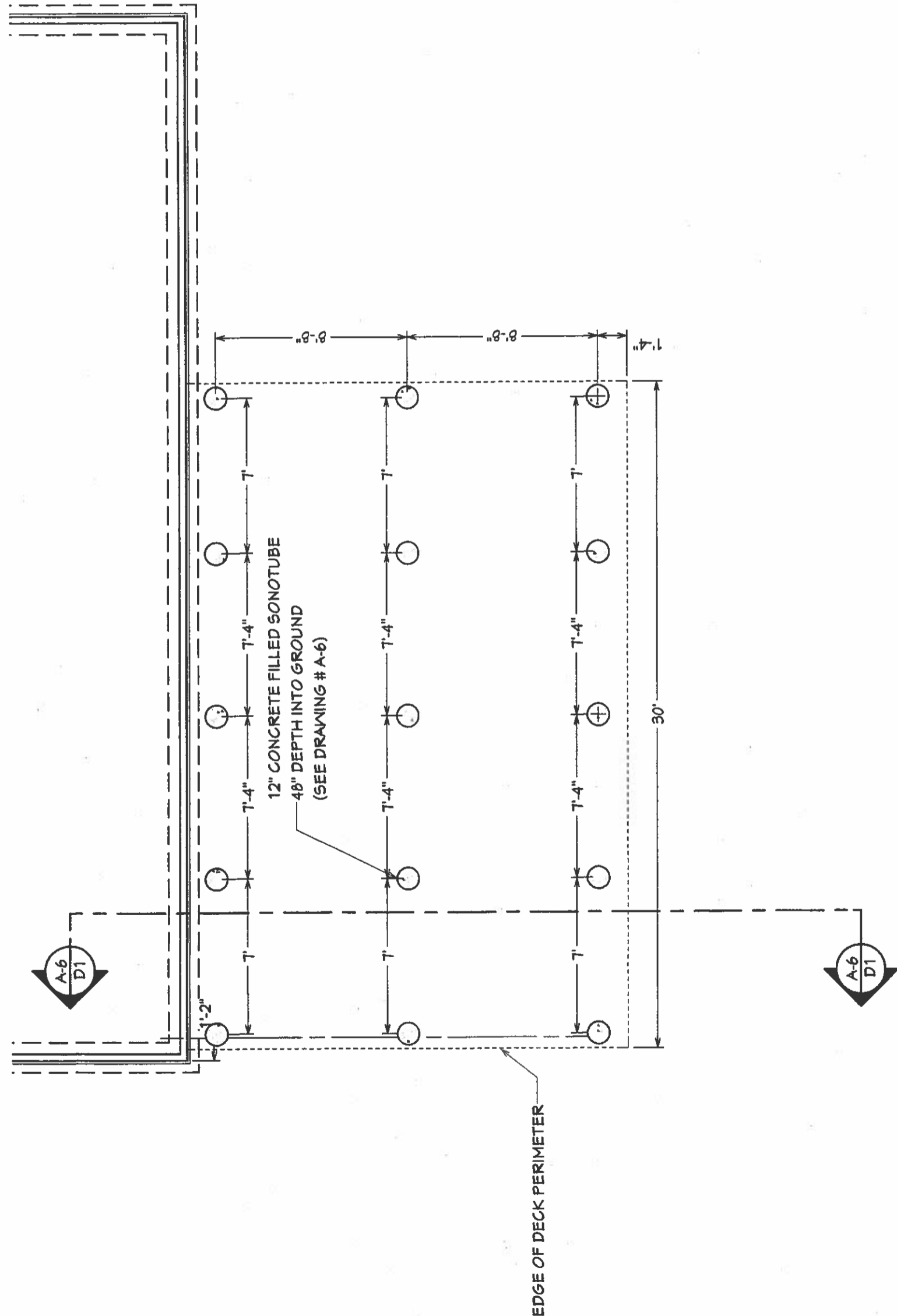
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SHEET NO:

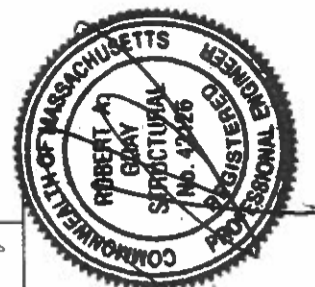
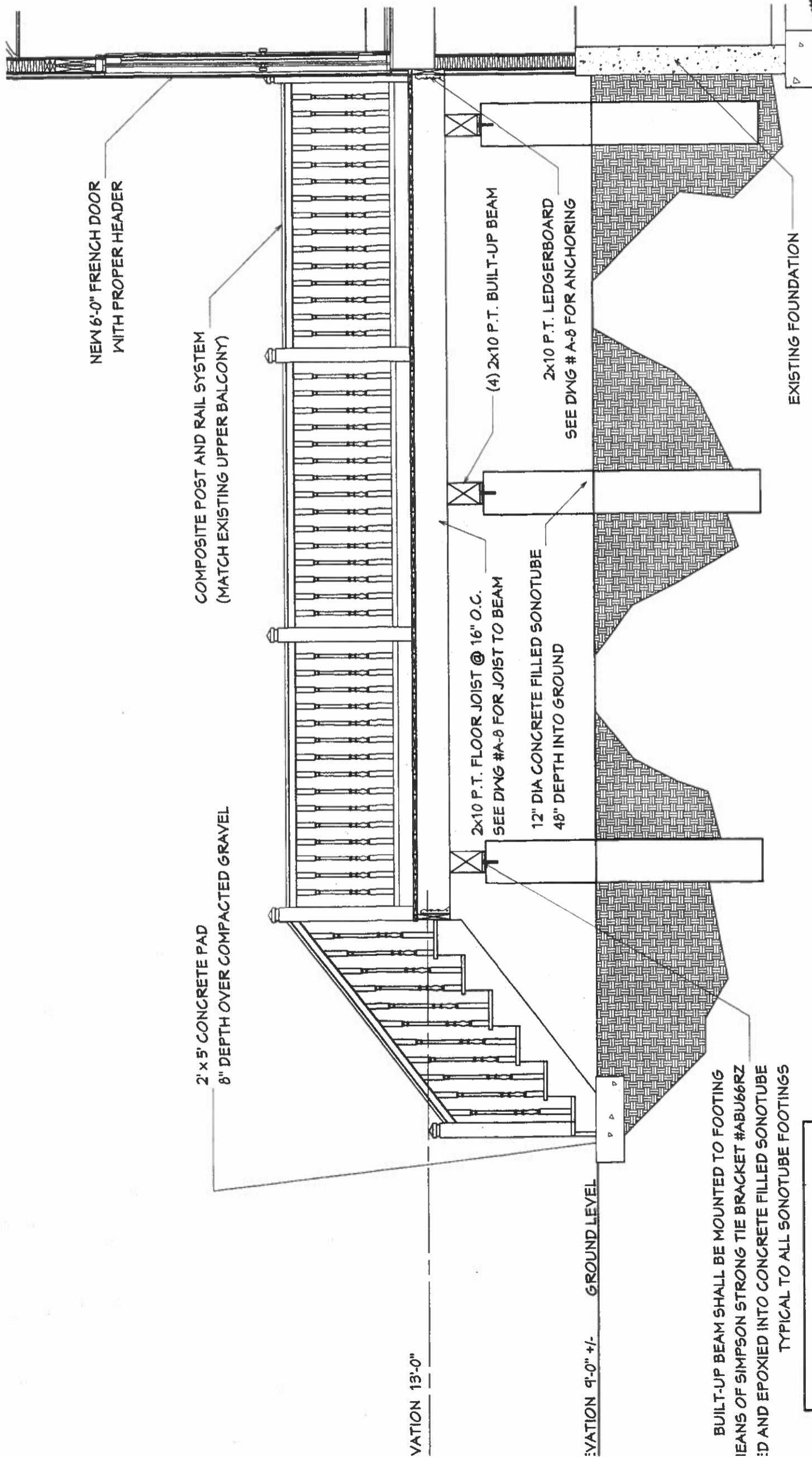
A-5



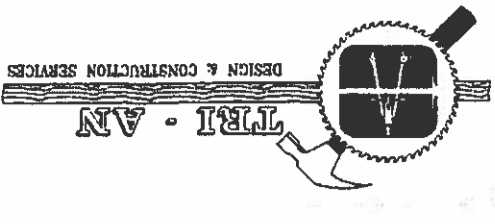
DECK FOOTING PLAN
SCALE : 3/16" = 1'-0"



SPECIAL NOTE:
FLOOD ELEVATION IS AE EL. 13



DECK SECTIONAL VIEW (D1)
SCALE : 3/8" = 1'-0"



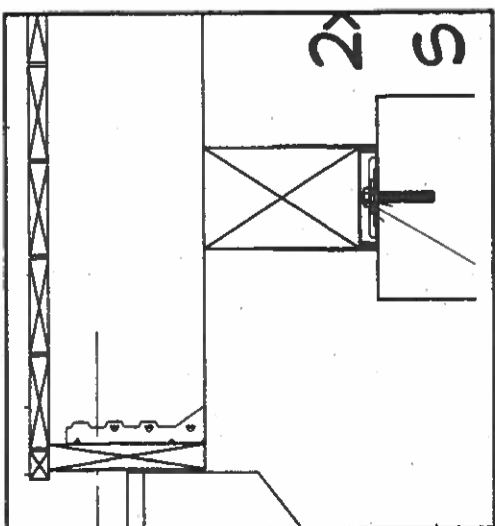
NO.	DESCRIPTION	DATE
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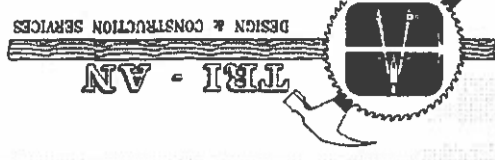
PROJECT NAME:
PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

SHEET NAME:
DECK SECTIONAL VIEW (D1)
DRAWN BY: T. DASILVA
DATE: 12/24/15 REV#1
SCALE: AS SHOWN
JOB NO.: 2015-09-A

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SHEET NO. **A-6**

BUILT-UP BEAM SHALL BE MOUNTED TO FOOTING BY MEANS OF SIMPSON STRONG TIE BRACKET #ABU66RZ AND EPOXYED INTO CONCRETE FILLED SONOTUBE TYPICAL TO ALL SONOTUBE FOOTINGS



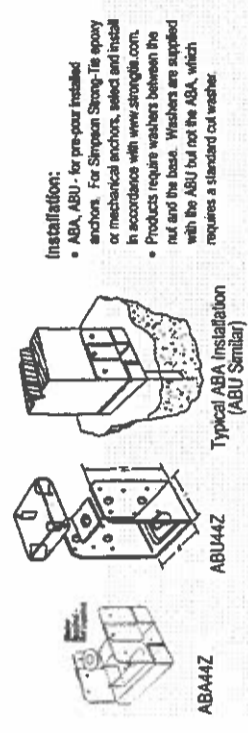


NO.	DESCRIPTION	DATE
0	PRELIMINARY	12/14/15
1	PERMIT SET	12/24/15

PROJECT NAME: PROPOSED NEW DECK STRUCTURE
 FOR MR. JOSE MATOS
 103 WILLARD STREET
 NEW BEDFORD, MASSACHUSETTS

SHEET NAME: DECK FRAMING DETAILS
 DRAWN BY: T. DASILVA
 DATE: 12/24/15 REV#1
 SCALE: AS SHOWN
 JOB NO.: 2015-09-A

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 SHEET NO: A-8

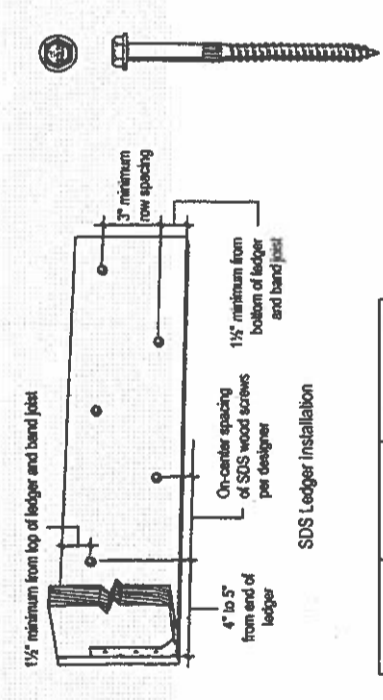


Model No.	Post Size	Dimensions (in.)				Anchor			Post Fasteners	
		W	L	H	HB	Dia.	Nails	SD Screws	Machine Bolts Qty.	Dia.
ABA44Z	4x4	3 9/16	3 1/8	3 1/16	-	1/2	6-10d	6-SD #9x1 1/2	-	-
ABU44Z	4x4	3 9/16	3	5 1/2	1 3/4	5/8	12-16d	12-SD #10x1 1/2	2	1/2
ABA46Z	4x6	3 9/16	5 3/16	3 1/8	-	5/8	8-16d	8-SD #10x1 1/2	-	-
ABU46Z	4x6	3 9/16	5	2 5/8	5/8	5/8	12-16d	-	2	1/2
ABA62Z	6x6	5 1/2	5 1/4	3 1/8	-	5/8	8-16d	8-SD #10x1 1/2	-	-
ABU62Z	6x6	5 1/2	5	6 1/16	1 3/4	5/8	12-16d	-	2	1/2
ABU82Z	8x8	7 1/2	7	7	-	2 - 5/8	18-16d	-	-	-

1. D indicates connector is available in stainless steel. Replace Z in model number with SS when ordering.
 2. Refer to current Wood Construction Connectors catalog for additional information.

6X6 POST / BEAM CONNECTION

SCALE : NONE

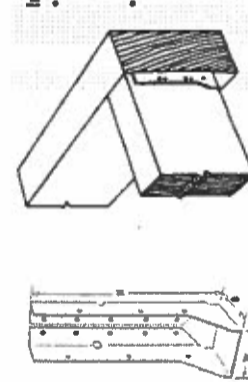


Size (in.)	Model No.	Thread Length (in.)
1/4" x 3 1/2"	SDS25312	2 1/4
1/4" x 5"	SDS25500	2 1/4

1. D indicates connector is available in stainless steel. Add SS to model number when ordering.
 2. Refer to current F-SDS/DSB for spacing and additional information.
 3. The screws shall be staggered from the top to the bottom along the horizontal run of the deck ledger per IRC 2009 Section R502.2.2.1.1.

LEDGERBOARD CONNECTION

SCALE : NONE



Model No.	Dimensions (in.)				Fasteners			
	W	H	B	Header	Nails	Header	Joist	SD Screws
LUC28Z	1 9/16	4 3/4	1 3/4	6-10d	4-10d	4-10d	4-SD #9x1 1/2	6-SD #9x2 1/2
LUC210Z	1 9/16	7 3/4	1 3/4	10-10d	6-10d	6-10d	6-SD #9x1 1/2	10-SD #9x2 1/2
HUC28-ZZ	3 1/8	5 3/8	2 1/2	12-16d	-	6-10d	-	-
HUC28-ZZ	3 1/8	7	2 1/2	14-16d	-	6-10d	-	-
HUC210-ZZ	3 1/8	8 13/16	2 1/2	18-16d	-	10-10d	-	-

1. D indicates connector is available in stainless steel. Replace Z in model number with SS when ordering.
 2. Refer to current Wood Construction Connectors catalog for additional information.

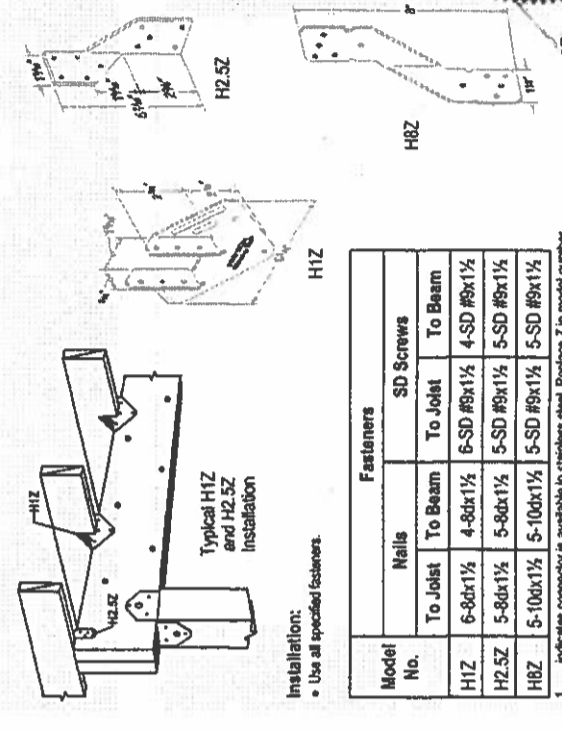
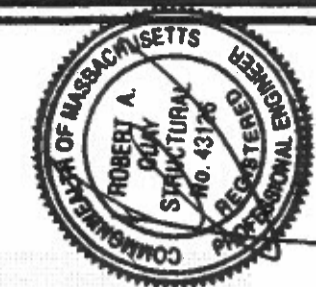
JOIST HANGER DETAIL

SCALE : NONE



Dimensions (in.)	Fasteners			
	Nails	Header	Joist	SD Screws
1 9/16	4-10d	4-10d	4-10d	-
1 9/16	6-10d	6-10d	4-SD #9x2 1/2	4-SD #9x2 1/2
1 9/16	7 13/16	1 3/4	8-10d	4-SD #9x2 1/2
3 1/8	4-16d	4-16d	4-SD #10x2 1/2	4-SD #10x2 1/2
3 1/8	8-16d	8-16d	6-SD #10x2 1/2	6-SD #10x2 1/2

connector is available in stainless steel. Replace Z in model number with SS when ordering.
 at Wood Construction Connectors catalog for additional information.



Model No.	Fasteners			
	Nails	To Joist	To Beam	To Beam
H1Z	4-8d	4-8d	4-SD #9x1 1/2	4-SD #9x1 1/2
H2SZ	5-8d	5-8d	5-SD #9x1 1/2	5-SD #9x1 1/2
H2Z	5-10d	5-10d	5-SD #9x1 1/2	5-SD #9x1 1/2

1. D indicates connector is available in stainless steel. Replace Z in model number with SS when ordering.
 2. Refer to current Wood Construction Connectors catalog for additional information.

HURRICANE CONNECTOR DETAIL

SCALE : NONE



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PROJECT NAME:
PROPOSED NEW DECK STRUCTURE
FOR
MR. JOSE MATOS
103 WILLARD STREET
NEW BEDFORD, MASSACHUSETTS

SHEET NAME:

**PICTORIAL
 VIEWS**

DRAWN BY: T. DASILVA

DATE: 12/24/15 REV#1

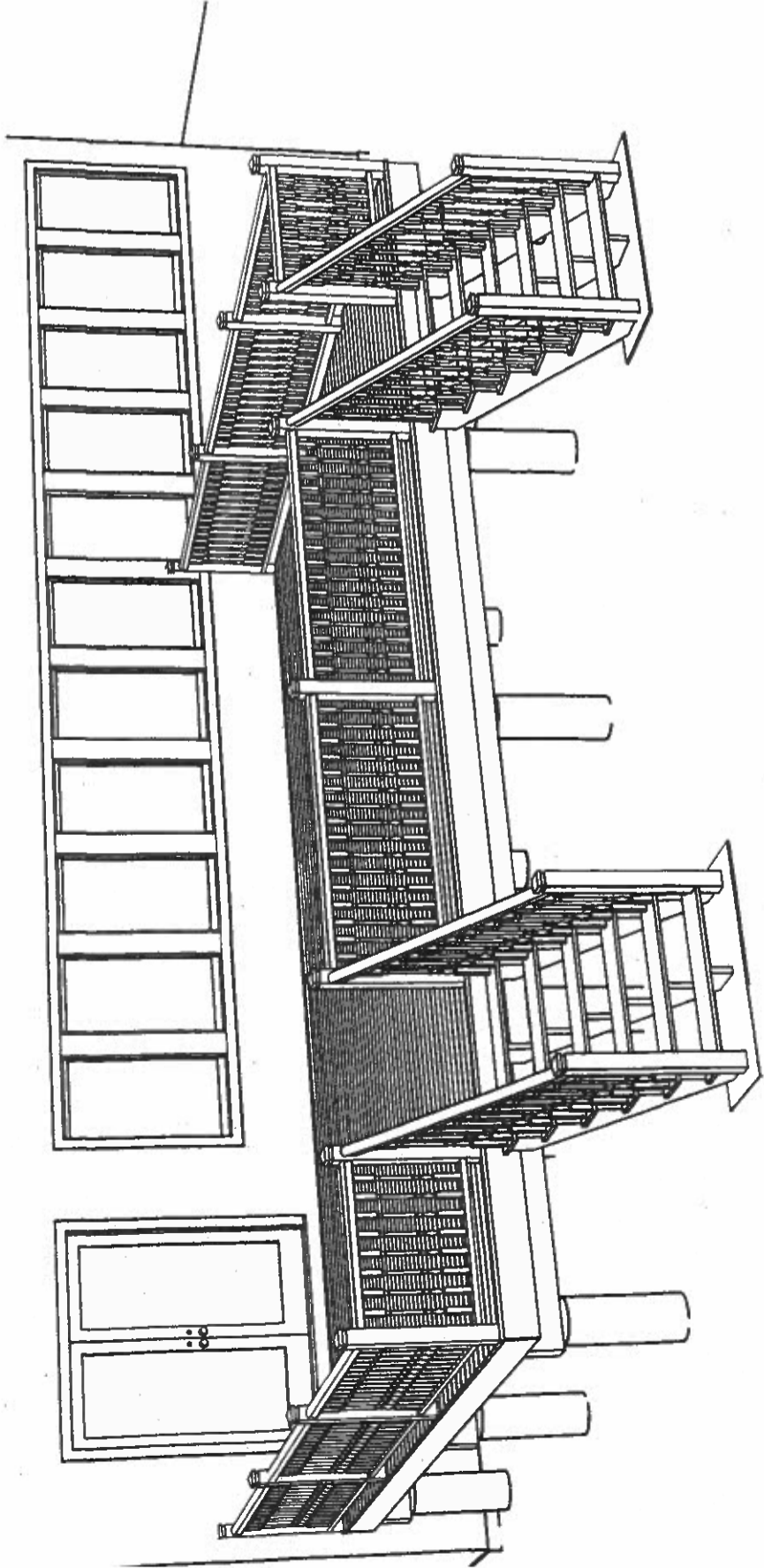
SCALE: AS SHOWN

JOB NO: 2015-09-A

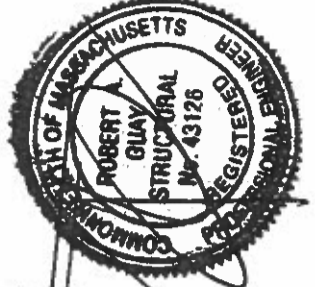
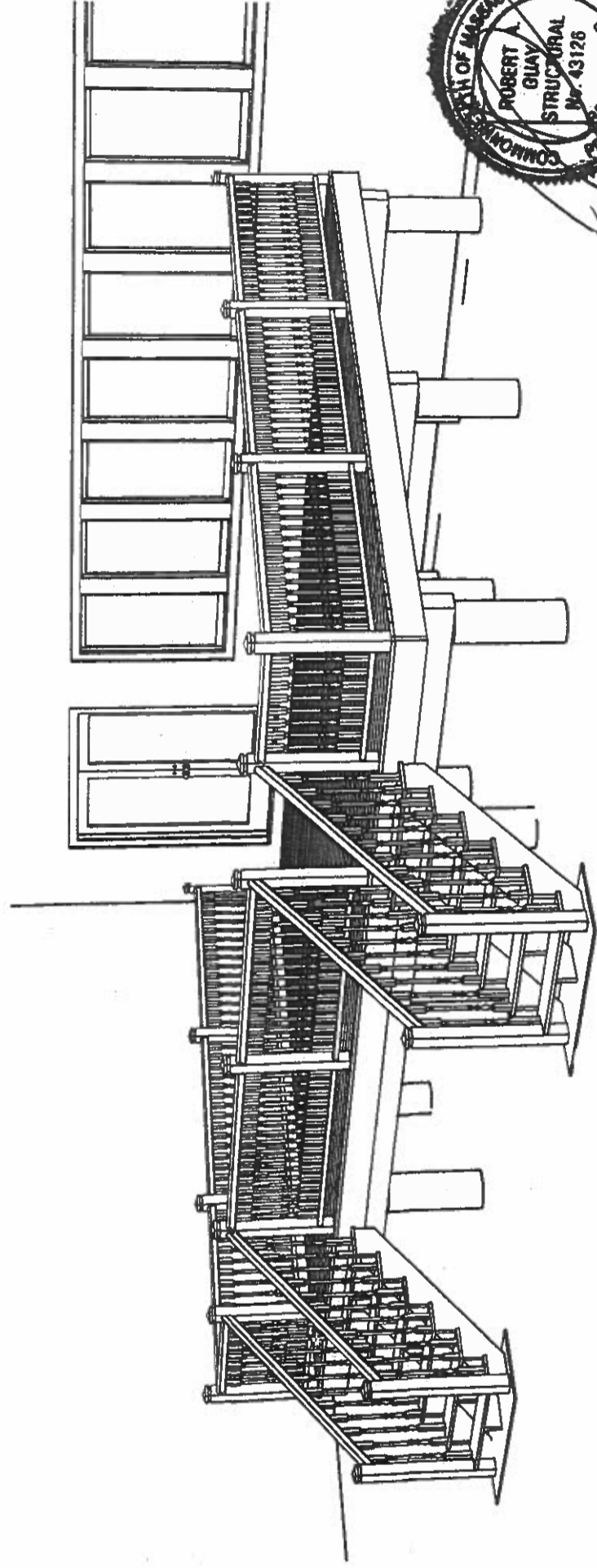
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SHEET NO:

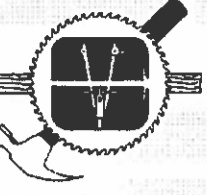
A-9



PICTORIAL VIEW
 SCALE : NONE



PICTORIAL VIEW
 SCALE : NONE



NO.	DESCRIPTION	DATE
0	PRELIMINARY	12/14/15
1	PERMIT SET	12/24/15

PROJECT NAME:
PROPOSED NEW DECK STRUCTURE
 FOR
MR. JOSE MATOS
 103 WILLARD STREET
 NEW BEDFORD, MASSACHUSETTS

SHEET NAME:

**DECK
FRAMING
PLAN**

DRAWN BY: T. DASILVA

DATE: 12/24/15 REV#1

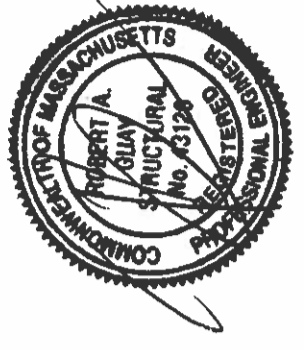
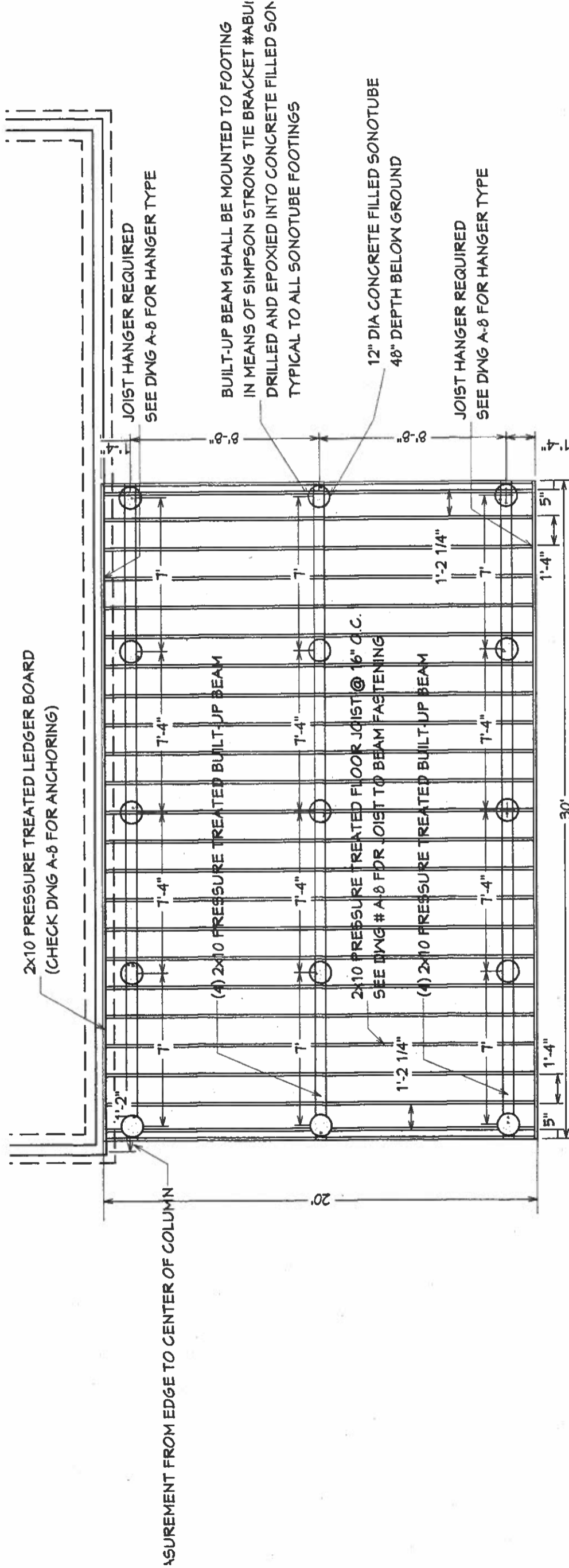
SCALE: AS SHOWN

JOB NO.: 2015-08-A

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 THE CONSTRUCTION OF
 ONE BUILDING STRUCTURE
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A-7



DECK FRAMING PLAN
 SCALE : 3/16" = 1'-0"