

Jeff D 2
Fred - 2



City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue · Portland, Oregon 97201 | 503-823-7300 | www.portlandoregon.gov/bds



Deferred Submittal Requirements and Application

File - 3

Applicants will provide:

- ☒ A copy of this application
- ☒ Three (3) sets of plans
- ☒ Two (2) set of calculations
- ☐ Two (2) sets of product information

Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.

- ☐ Permit fee (paid at time of submittal)
- ☐ If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.
- ☐ One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned.)

Contractor submittal information:

Contact name Ian Mallett / Lux Construction 174989^{ccB}
Address 2528 SE Salmon
City Portland State OR Zip Code 97214
Phone 503-703-9276 E-mail Ian @ Lux.pdx.com
Value of deferred submittal \$200,000 Issued main building permit # 16-167287, 306,322,325
Job site address 4200 SE 22nd Ave 5353 SE 28th Ave
Description/Scope of work Metal Stairs + Railings

Fees

Deferred submittal (DFS) fees are collected in addition to the standard building review fee paid on the main building permit. DFS fees cover the cost of the additional processing and review time associated with the design build element.

The DFS fee for processing and reviewing deferred plan submittals is 10 percent of the building permit fee calculated using the value of the particular deferred portion of the project.

Minimum fee: Residential, one and two family dwelling ...\$123 for DFS with valuation of less than or equal to \$222,000

Commercial and all other projects\$307 for DFS with valuation of less than or equal to \$680,000

The Bureau of Development Services (BDS) fee schedule is also available on the BDS web site at www.portlandoregon.gov/bds | select the Fees tab.

Helpful Information

Bureau of Development Services
1900 SW 4th Avenue, Portland, OR 97201

Submit your plans to:
Development Services Center (DSC), First Floor, For Hours Call 503-823-7310
DEFERRED SUBMITTAL REQUIREMENTS AND APPLICATION

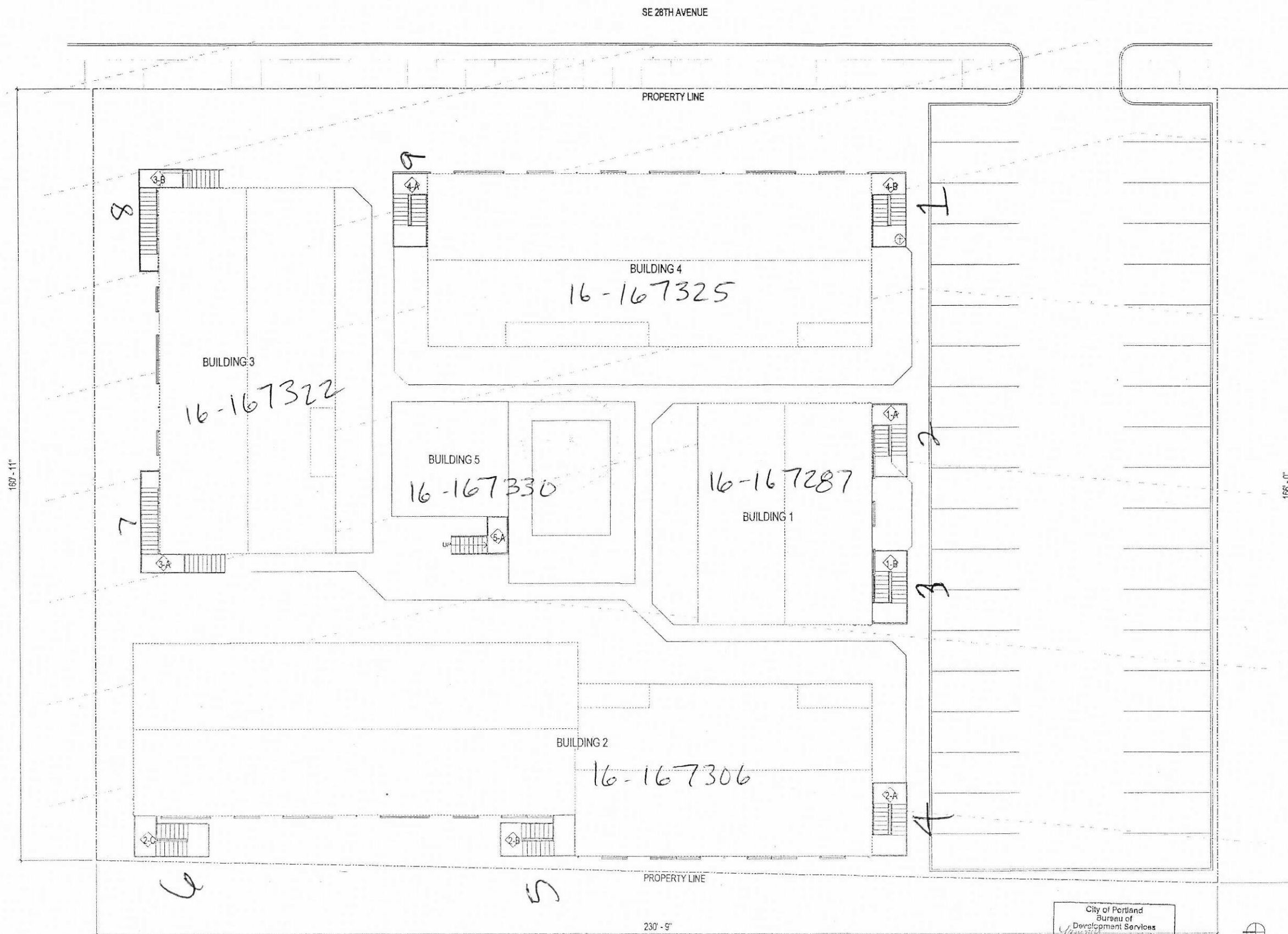
Important Telephone Numbers

BDS main number 503-823-7300
DSC automated information line 503-823-7310
Building code information 503-823-1456
BDS 24 hour inspection request line 503-823-7000
Residential information for one and two family dwellings 503-823-7388
City of Portland TTY 503-823-6868

Information is subject to change

DFS 01 FA
16-167322

F3



1555 SE Holly St.
Portland, Oregon 97214
503.593.0954



**BIRCHWOOD
APARTMENTS**
5353 SE 28th Ave, Portland,
OR 97202

Project #
1604

Date:
28 April 2016

Sheet Title:
Site Plan

Scale:
1" = 10'-0"

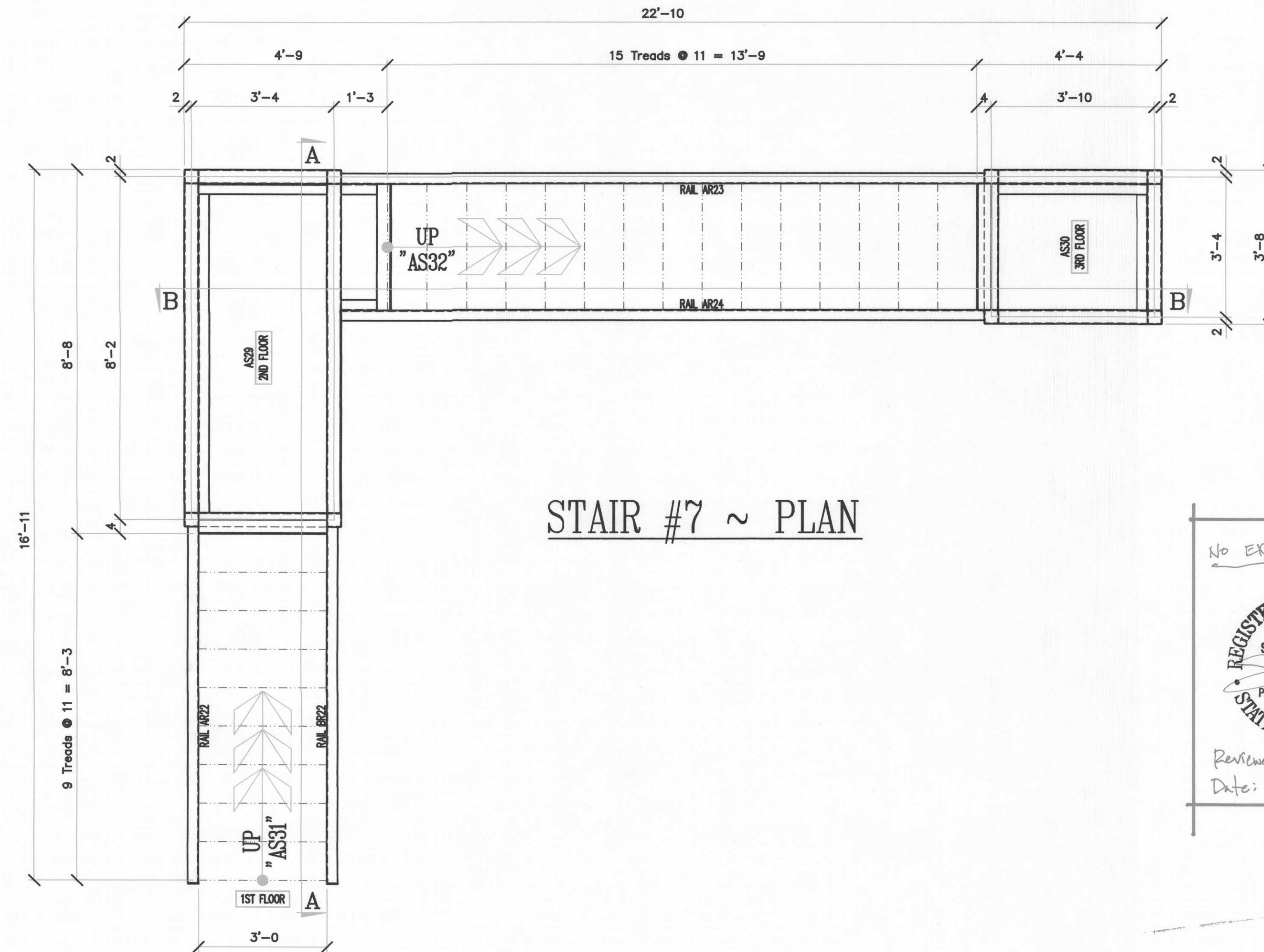
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© 2016 Polymath Studio Architecture, LLC

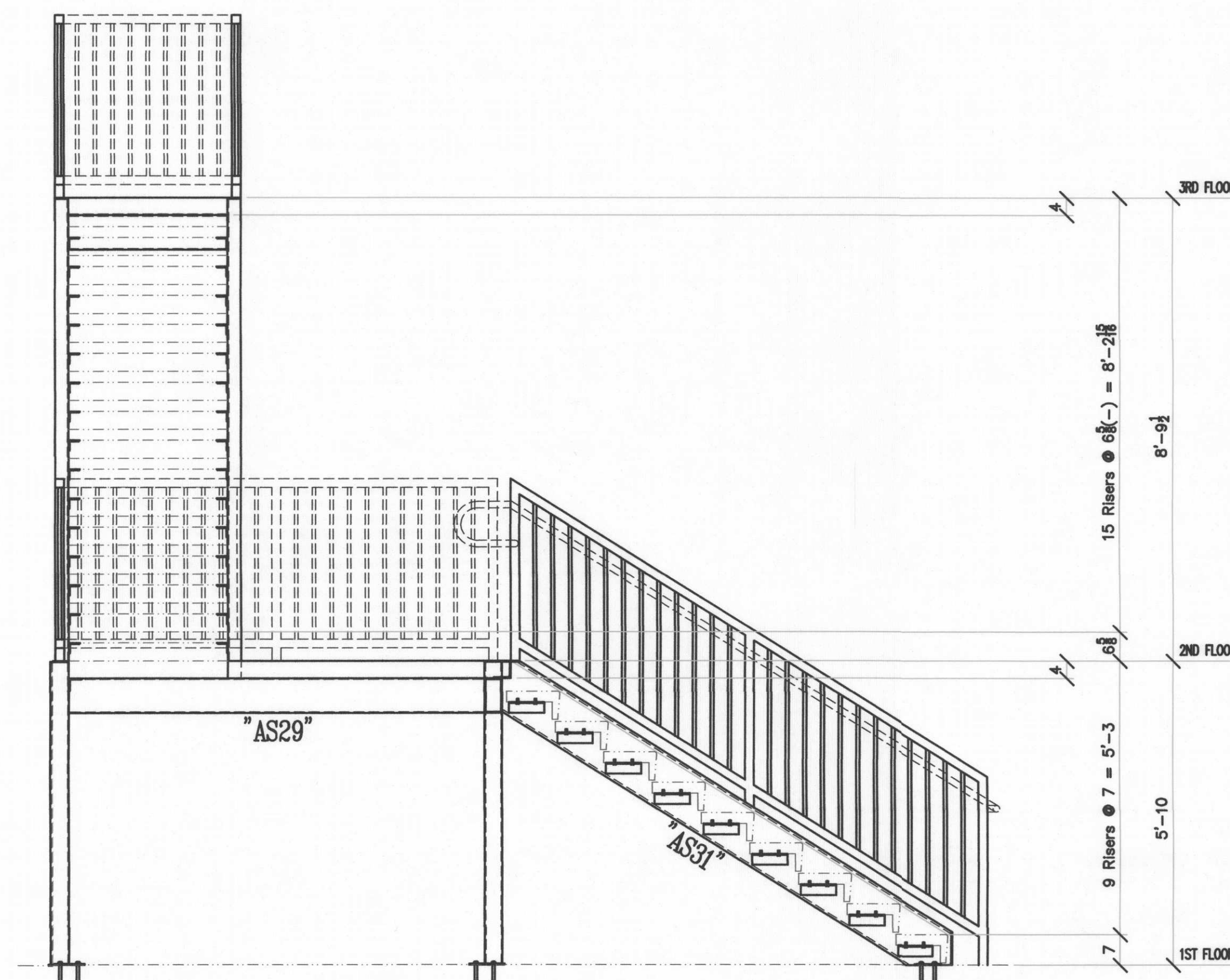
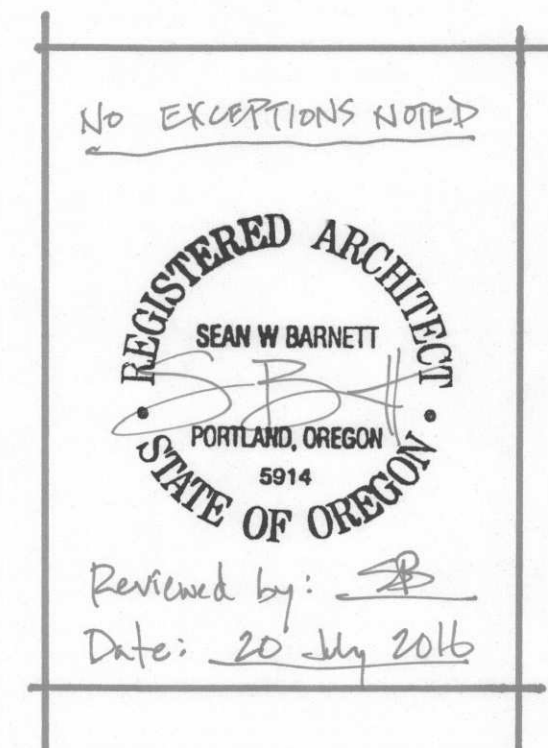
City of Portland
Bureau of
Development Services
By *[Signature]* Date *5/9/16*
Approved by
Planning and Zoning Review

PERMIT SET - 28 APRIL 2016

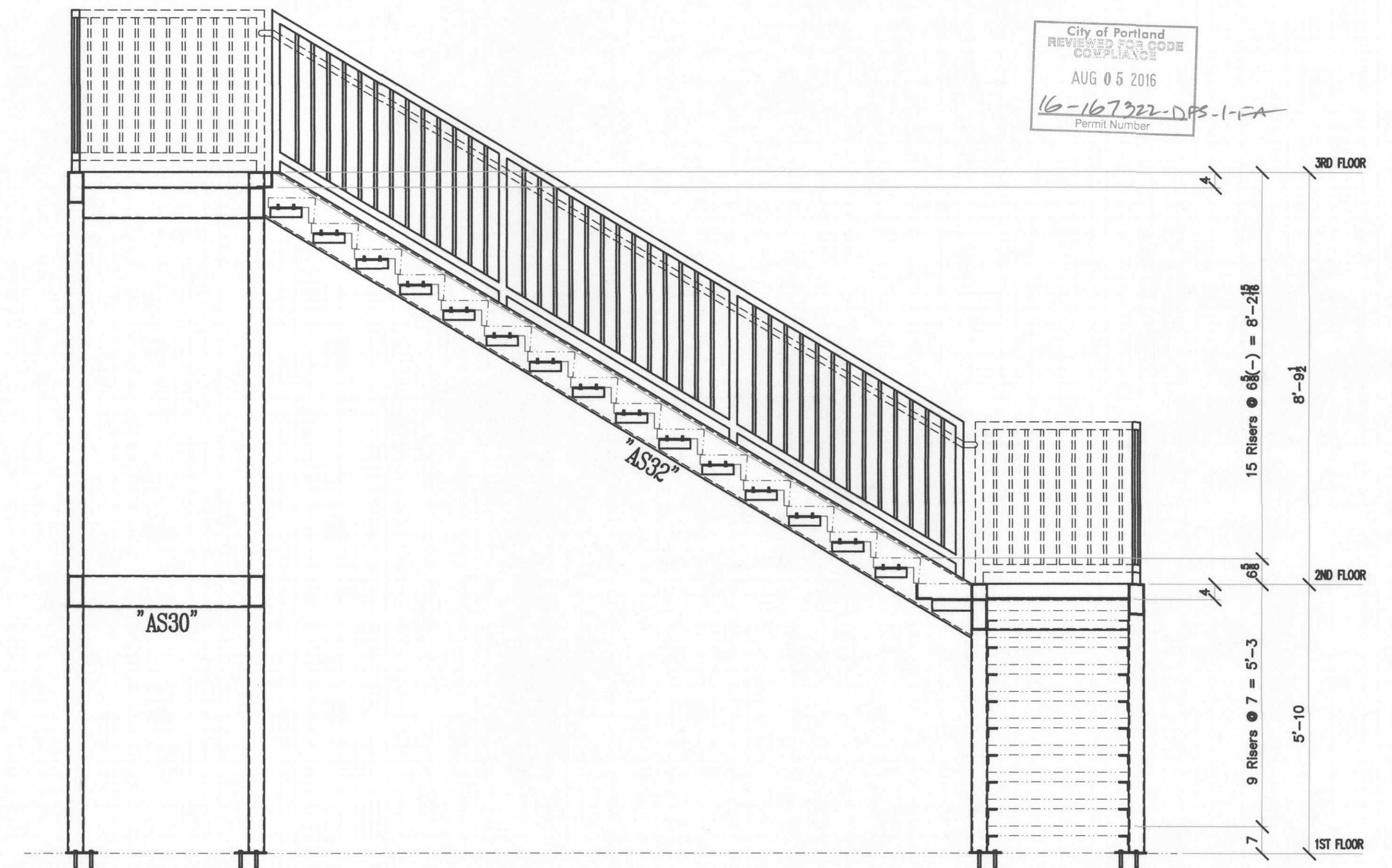
This Drawing Formatted for 22" x 34" Paper



STAIR #7 ~ PLAN



SECTION ~ "AA"



SECTION ~ "BB"

CONTRACTOR
To Verify That All Existing Conditions
Have Been Properly Represented

CONTRACTOR
To Furnish All Requested Information
Pertaining To Existing Components And
Work Points

ARCHITECT / ENGINEER
To Verify That These Drawings Comply
With the Design Intent And Structural
Requirements Of The Project. Any
Modifications Noted On These Drawings
Which Are Not Specifically Shown In
The Contract Documents May Result
In A Contract Change Order.

CONT / ARCH / ENG
Please Address All Questions Throughout
This Submittal. Any Area Not Addressed
Is Assumed To Be Accurate.

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

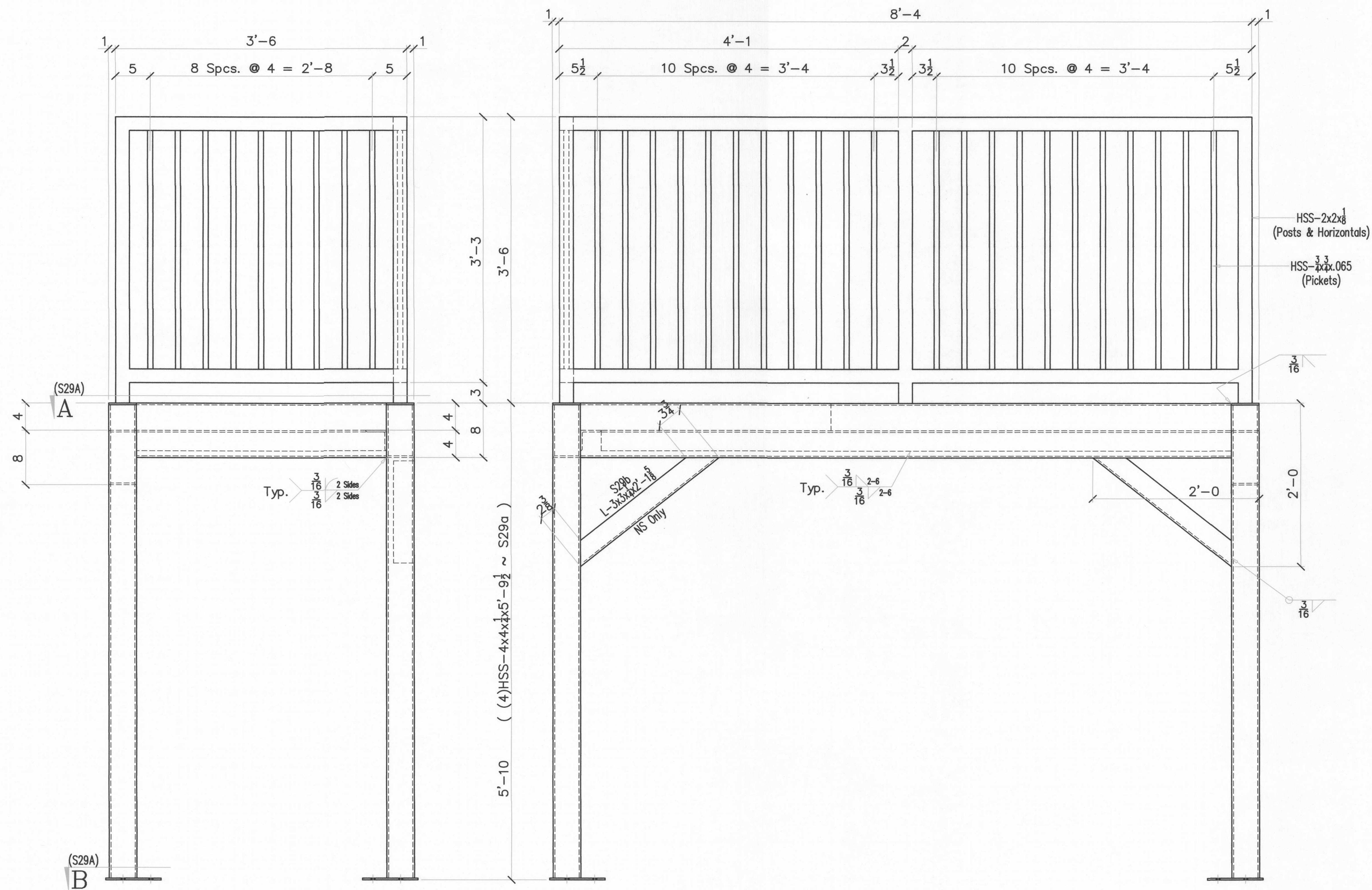
PACIFIC METAL WORKS PHO#(208)454-5456 FAX#(208)454-617 Middleton, Id PACIFICMETALWORKS@MSN.COM	
PROJECT:	BIRCHWOOD APARTMENTS
LOCATION:	PORTLAND, OREGON
CUSTOMER:	LUX CONSTRUCTION
SCALE:	NTS
DRAWN BY:	JRB
DATE:	5/16

JOB #	SHEET #	REV
	SE	3

Bldg 3

16-167322-01-FA

2



BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS29		1	LANDING FRAME			
	S29a	4	HSS-4x4x1/4	5	9 1/2	
	S29b	2	L-3x3x1/2	2	1 1/2	
	S29c	2	HSS-8x4x1/4	7	10	
	S29d	2	HSS-8x4x1/4	3	0	
	S29e	1	L-3x3x1/2	7	7	
	S29h	1	L-3x3x1/2	3	0	
	S29k	1	R-1x4	4	10	
	S29m	4	R-1x4	0	4	
	S29p	4	R-1x8	0	8	
		1	HSS-2x2x1/4	38	0	
		31	HSS-3/4x1/2x0.065	2	11	
		1	18 Ga. 'B' Deck 1/2x37	7	11	

WORK THIS SHEET
WITH SHEET S29A

FIELD BOLTS

(8) 5/8"x6 Epoxy Bolts

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

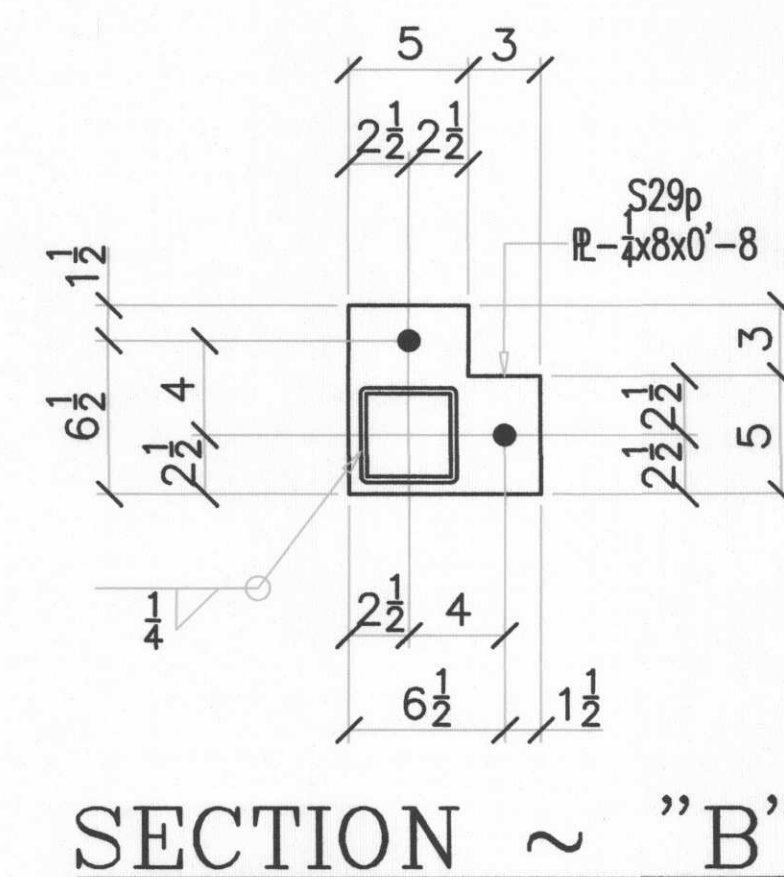
TYPICAL MATERIAL GRADES U.N.O.

W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS MACHINE BOLTS THREADED RODS HEADED STUDS	ASTM F1554 GR. 36 ASTM A307 ASTM A36 ASTM A108
HOLES:	13/16" U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.

**PACIFIC
METAL
WORKS**

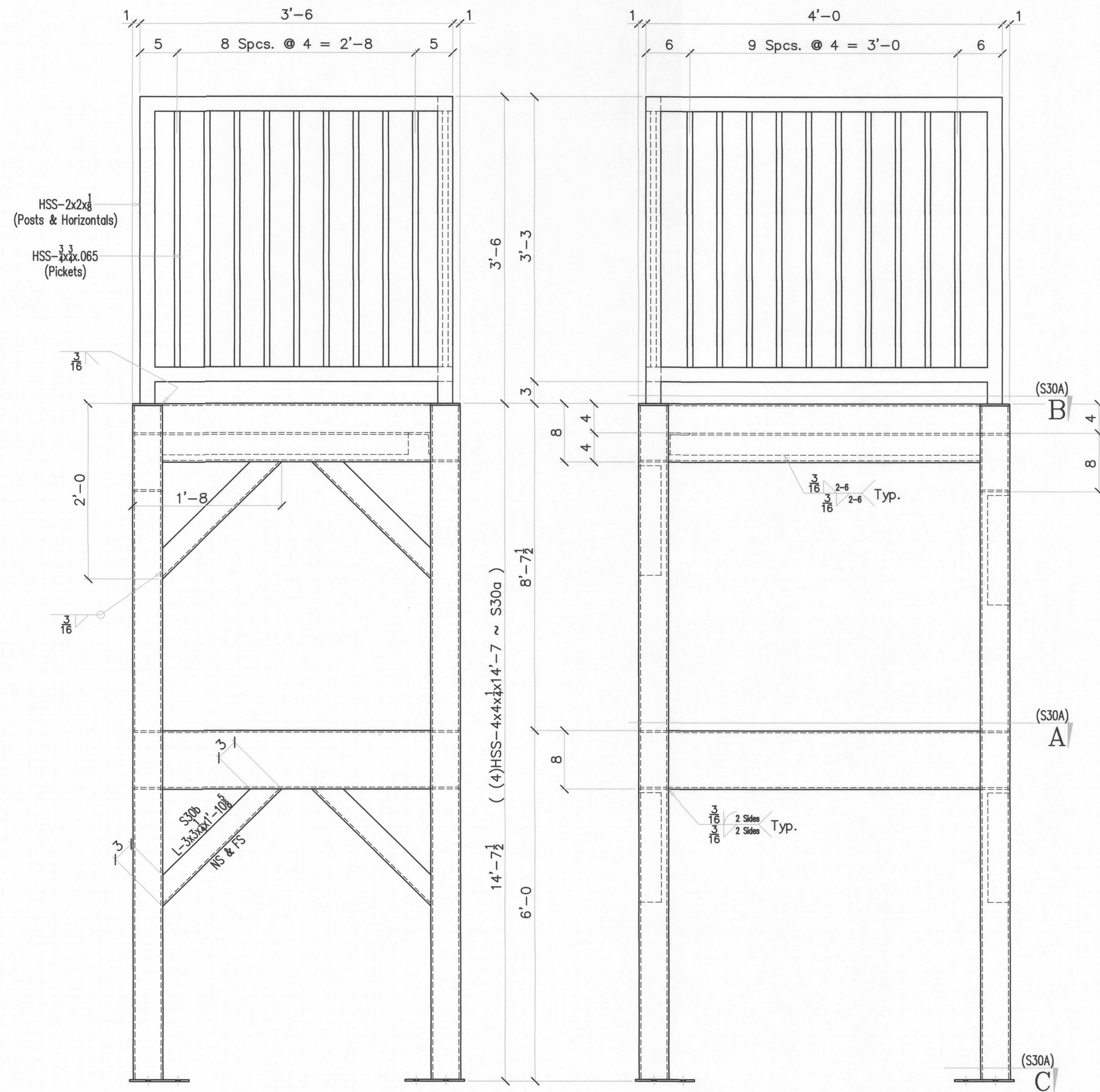
PHO#(208)454-5456 FAX#(208)454-6178
Middleton, Id
PACIFICMETALWORKS@MSN.COM

PROJECT: BIRCHWOOD APARTMENTS				
LOCATION: PORTLAND, OREGON				
CUSTOMER: LUX CONSTRUCTION				
SCALE:	NTS	JOB #	SHEET #	REV
DRAWN BY:	JRB		S29	
DATE:	5/16			



WORK THIS SHEET
WITH SHEET S29

REV	DESCRIPTION		DATE
A	FOR APPROVAL		7/1/16
O	RELEASED FOR FABRICATION		7/15/16
TYPICAL MATERIAL GRADES U.N.O.			
W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS MACHINE BOLTS THREADED RODS HEADED STUDS	ASTM F1554 GR. 36 ASTM A307 ASTM A36 ASTM A108
HOLES:	13 16 U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.	
 PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM			
PROJECT: BIRCHWOOD APARTMENTS			
LOCATION: PORTLAND, OREGON			
CUSTOMER: LUX CONSTRUCTION			
SCALE: NTS	JOB #	SHEET #	REV
DRAWN BY: JRB		S29A	
DATE: 5/16			



ONE — LANDING FRAME — "AS30"

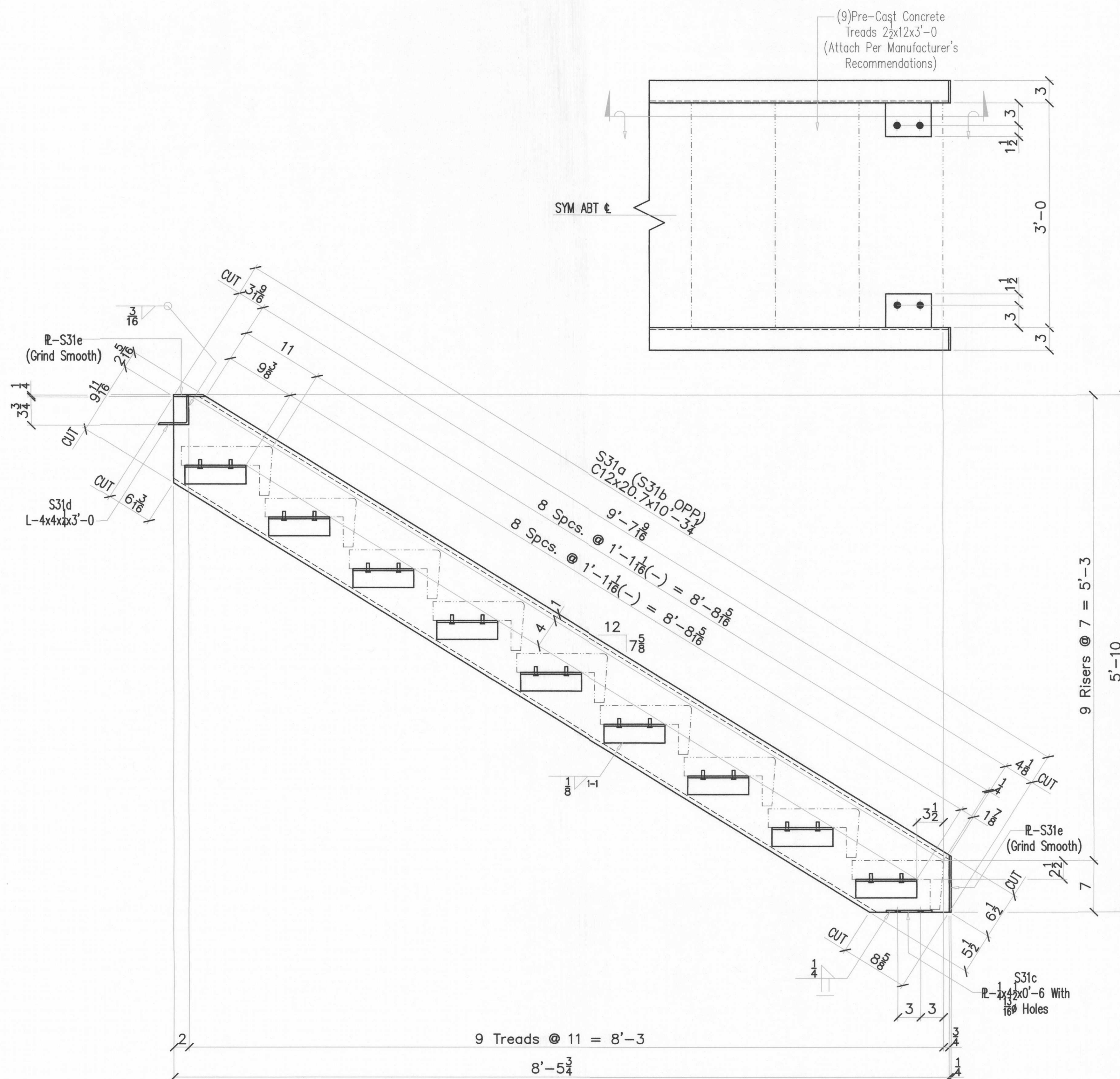
POWDER
COAT

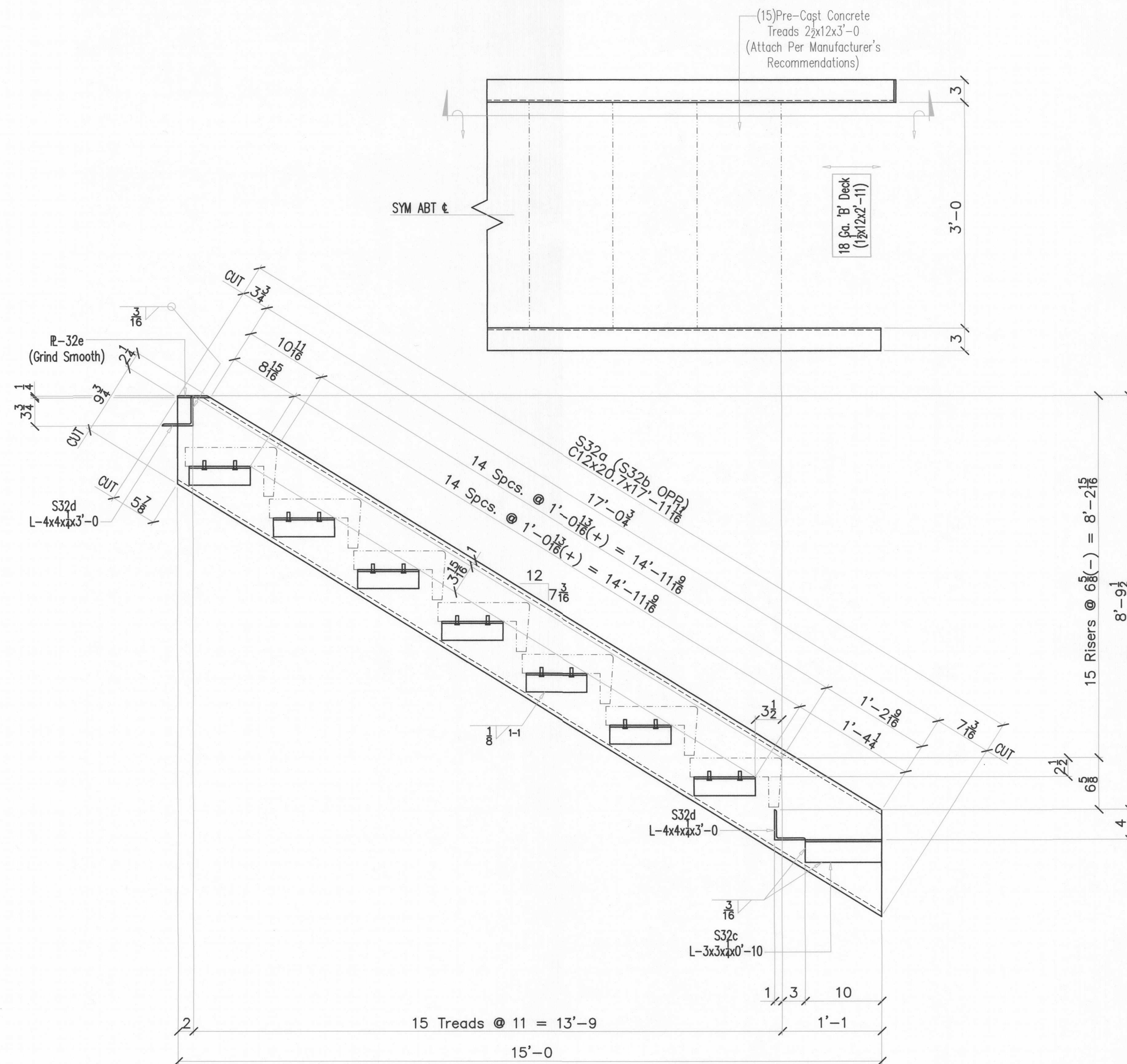
BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS30		1	LANDING FRAME			
	S30a	4	HSS-4x4x1/2	14	7	
	S30b	8	L-3x3x1/4	1	10 3/4	
	S30c	4	HSS-8x4x1/2	3	0	
	S30d	4	HSS-8x4x1/2	3	6	
	S30e	1	L-3x3x1/4	2	9	
	S30h	1	L-3x3x1/4	3	6	
	S30k	1	R-1x4	3	6	
	S30m	4	R-1x4	0	4	
	S30p	4	R-1x8	0	8	
		1	HSS-2x2x8	26	0	
		19	HSS-3/4x.065	2	11	
		1	18 Ga. 'B' Deck 1/2x37	3	7	

WORK THIS SHEET
WITH SHEET S30A

FIELD BOLTS		
(8) 5/8"x6 Epoxy Bolts		
REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16
TYPICAL MATERIAL GRADES U.N.O.		
W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS ASTM F1554 GR. 36 MACHINE BOLTS ASTM A307 THREADED RODS ASTM A36 HEADED STUDS ASTM A108
HOLES:	13/16" U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.
P PACIFIC M METAL WORKS PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM		
PROJECT: BIRCHWOOD APARTMENTS		
LOCATION: PORTLAND, OREGON		
CUSTOMER: LUX CONSTRUCTION		
SCALE: NTS	JOB #	SHEET #
DRAWN BY: JRB		REV
DATE: 5/16		S30 0

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS31		1	STAIR			
	S31a	1	C12x20.7	10	3 1/2	
	S31b	1	C12x20.7	10	3 1/2	
	S31c	2	ℓ- 2 x4 1/2	0	6	
	S31d	1	ℓ-4x4x2	3	0	
	S31e	1	ℓ- 2 x3	3	0	
		9	Pre-Cast Concrete Treads			SEE DETAIL

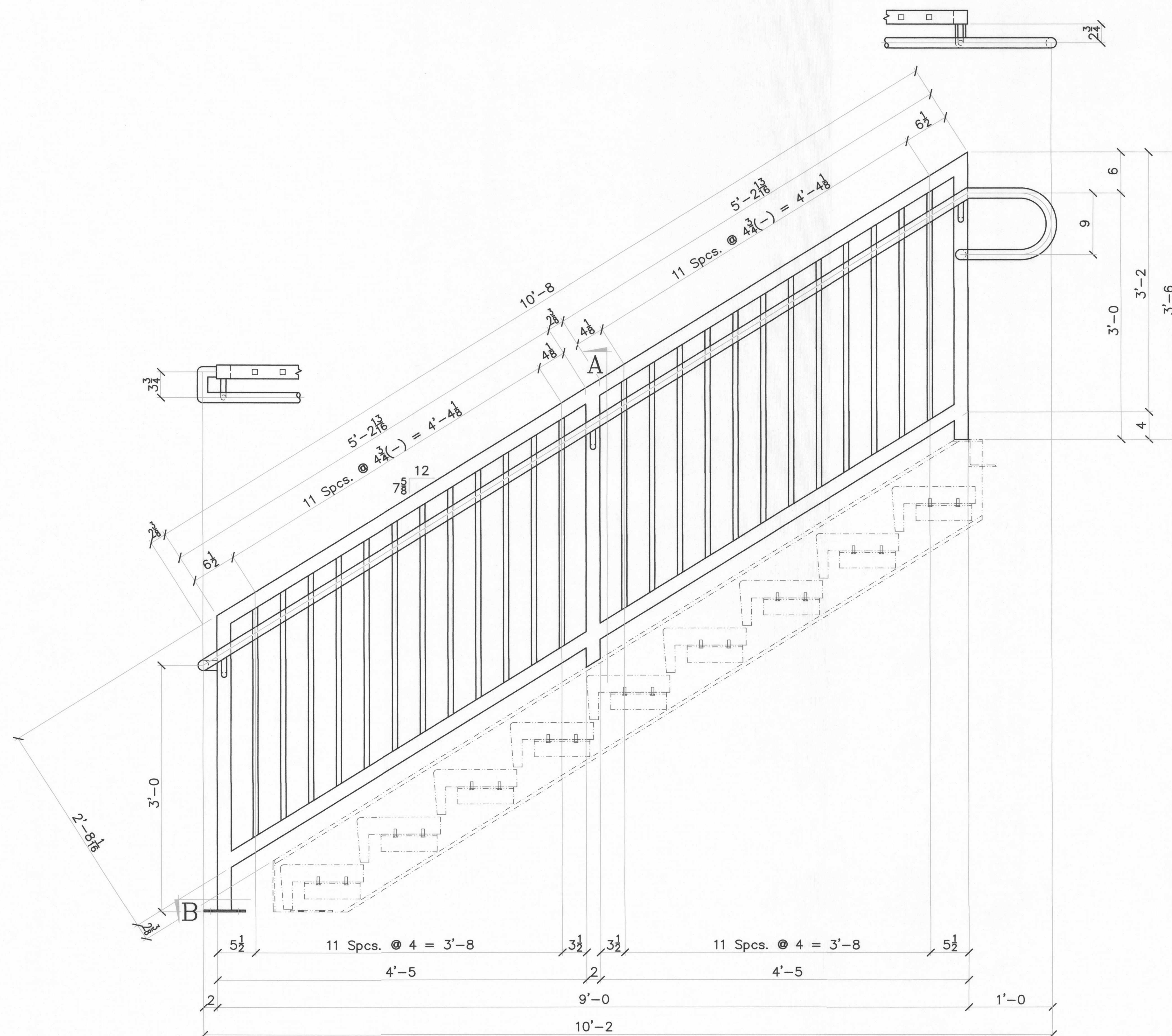




ONE - STAIR - "AS32"
Shop Attach To Guardrail Per Erection Drawings
POWDER COAT

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS32		1	STAIR			
	S32a	1	C12x20.7	17	11 1/8	
	S32b	1	C12x20.7	17	11 1/8	
	S32c	2	L-3x3x1	0	10	
	S32d	2	L-4x4x1	3	0	
	S32e	1	R-1x3	2	0	
		1	18 Ga. 'B' Deck 1 1/2x12	2	11	
		15	Pre-Cast Concrete Treads			SEE DETAIL

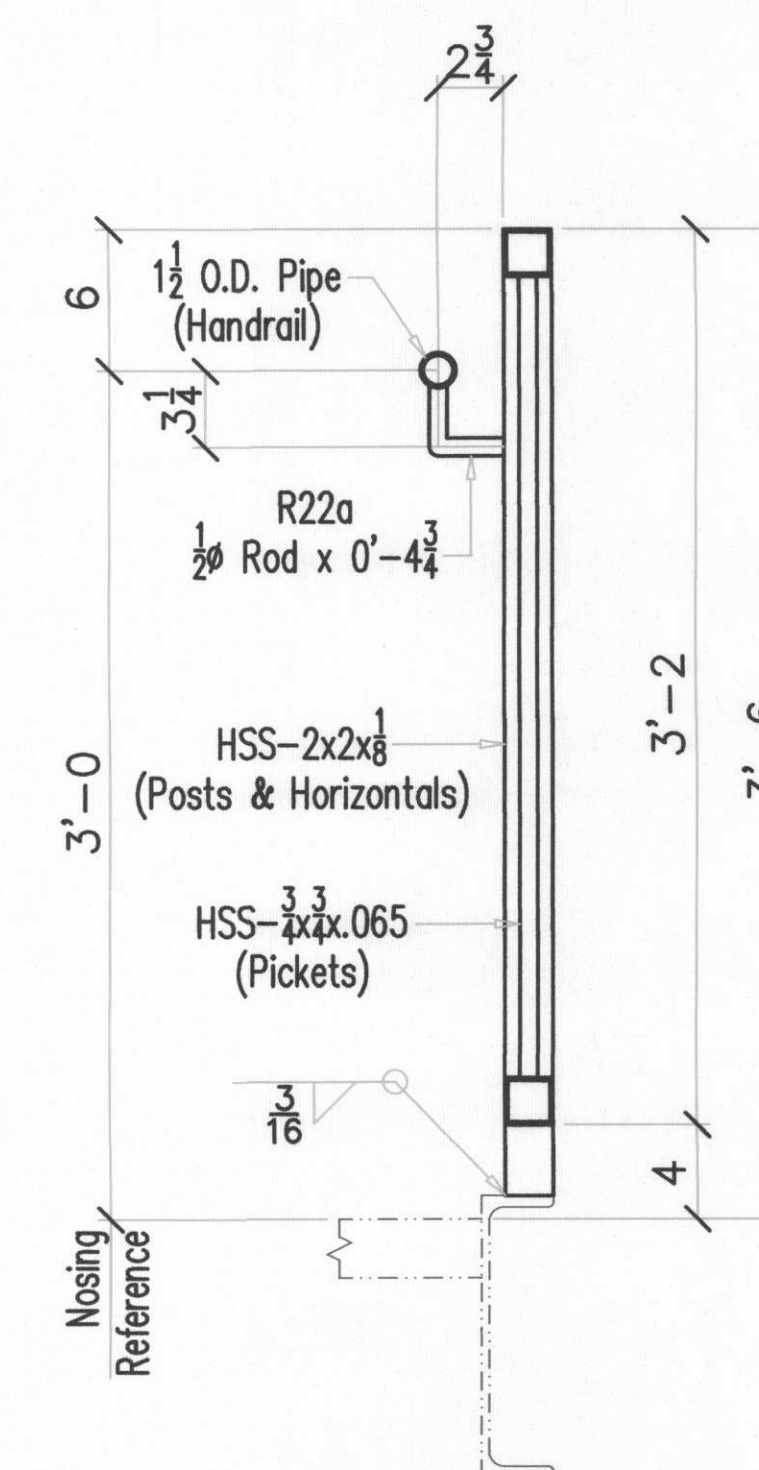
FIELD BOLTS				
REV	DESCRIPTION	DATE		
A	FOR APPROVAL	7/1/16		
O	RELEASED FOR FABRICATION	7/15/16		
TYPICAL MATERIAL GRADES U.N.O.				
W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS ASTM F1554 GR. 36 MACHINE BOLTS ASTM A307 THREADED RODS ASTM A36 HEADED STUDS ASTM A108		
HOLES: 13/16 U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.			
PACIFIC METAL WORKS PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM				
PROJECT: BIRCHWOOD APARTMENTS				
LOCATION: PORTLAND, OREGON				
CUSTOMER: LUX CONSTRUCTION				
SCALE: NTS	JOB #	SHEET #		
DRAWN BY: JRB		REV		
DATE: 5/16		S32 0		



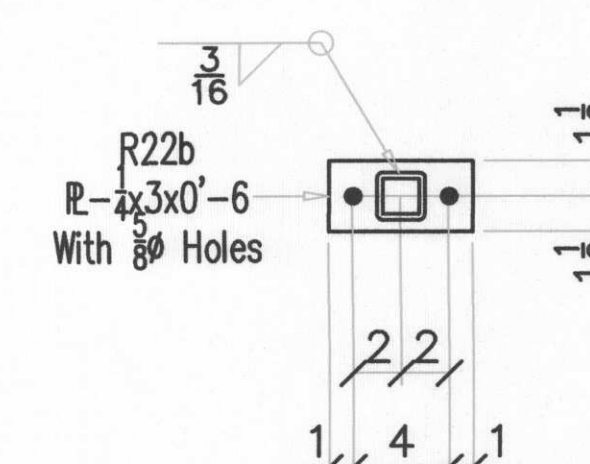
ONE - GUARDRAIL - "AR22"(THUS)
 ONE - GUARDRAIL - "BR22"(OPP)

Shop Attach To Stair Per Erection Drawings

POWDER
COAT



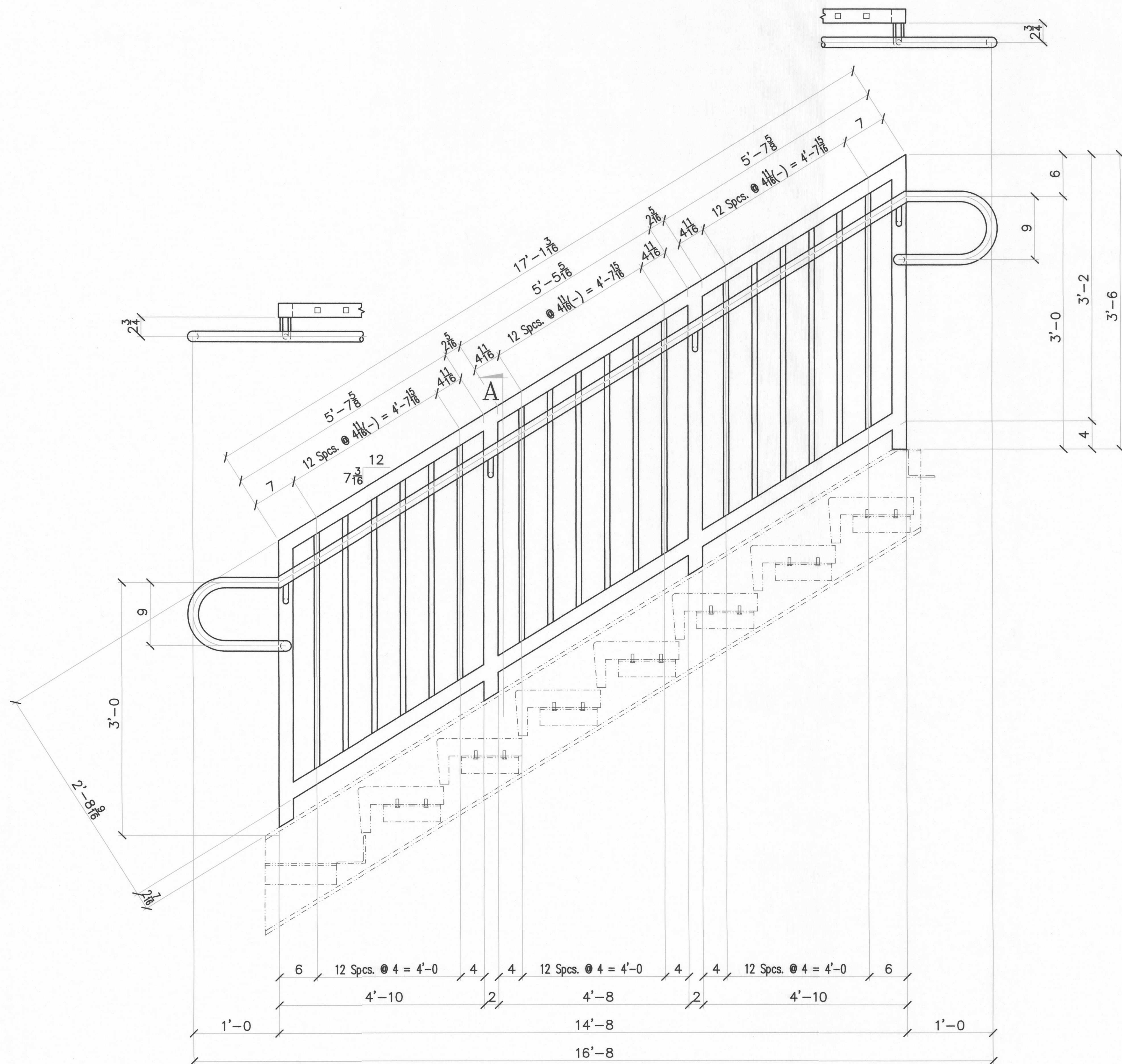
SECTION ~ "A"



SECTION ~ "B"

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQD	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AR22		1	GUARDRAIL			
	R22a	3	1/2 Rod	0	42	
	R22b	1	R-1x3	0	6	
		1	HSS-2x2x8	33	0	
		1	HSS-3/4x3/4x.065	68	0	
		1	1 1/2 O.D. Pipe	15	0	
BR22		1	GUARDRAIL			
	R22a	3	1/2 Rod	0	42	
	R22b	1	R-1x3	0	6	
		1	HSS-2x2x8	33	0	
		1	HSS-3/4x3/4x.065	68	0	
		1	1 1/2 O.D. Pipe	15	0	

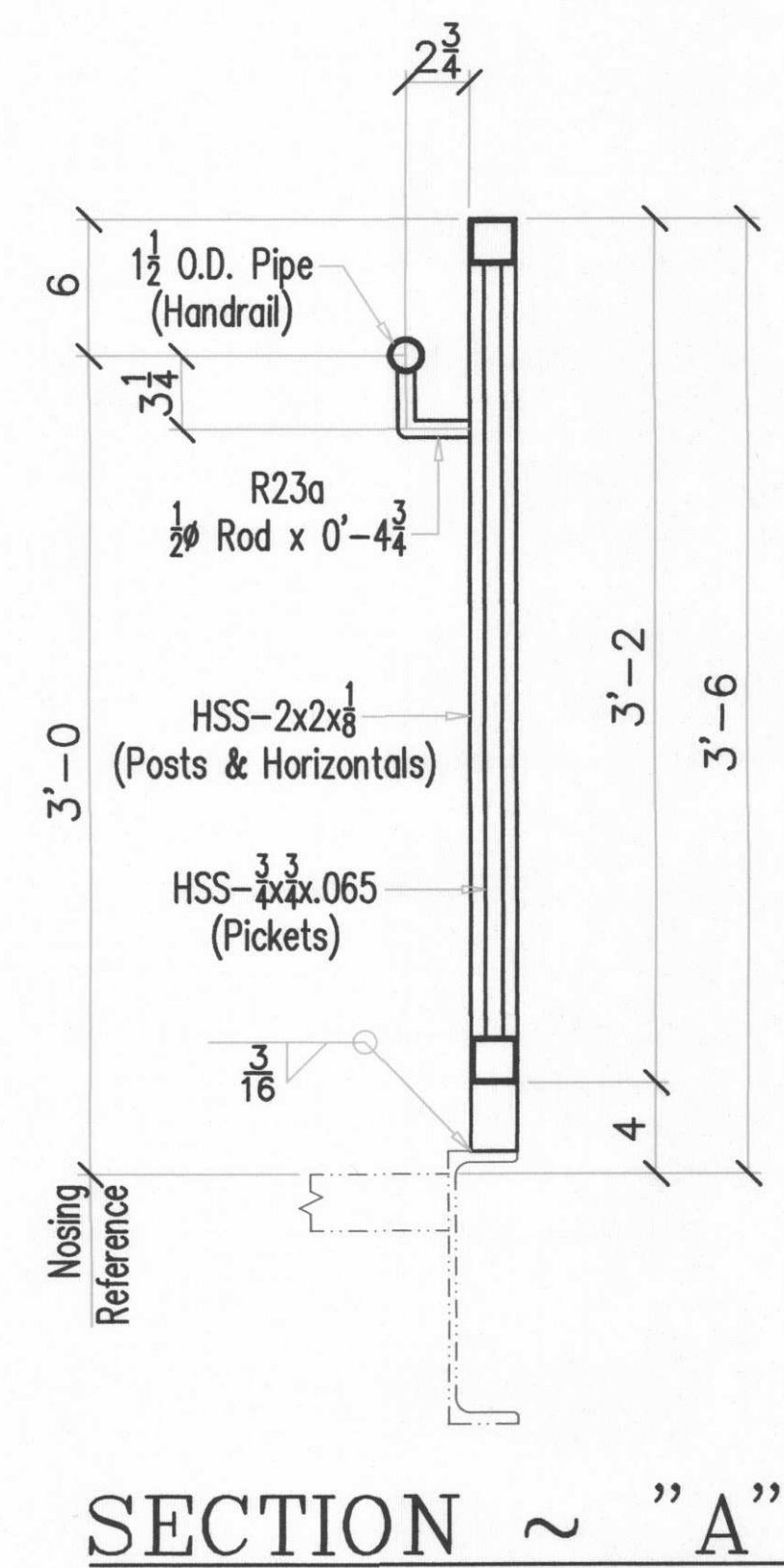
FIELD BOLTS				
(4) ¹ / ₂ "x4 Epoxy Bolts				
REV	DESCRIPTION	DATE		
A	FOR APPROVAL	7/1/16		
O	RELEASED FOR FABRICATION	7/15/16		
TYPICAL MATERIAL GRADES U.N.O.				
W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS ASTM F1554 GR. 36 MACHINE BOLTS ASTM A307 THREADED RODS ASTM A36 HEADED STUDS ASTM A108		
HOLES:	13/ ¹⁶ U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.		
PACIFIC METAL WORKS PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM				
PROJECT:	BIRCHWOOD APARTMENTS			
LOCATION:	PORTLAND, OREGON			
CUSTOMER:	LUX CONSTRUCTION			
SCALE:	NTS	JOB #	SHEET #	REV
DRAWN BY:	JRB		R22	0
DATE:	5/16			



ONE - GUARDRAIL - "AR23"

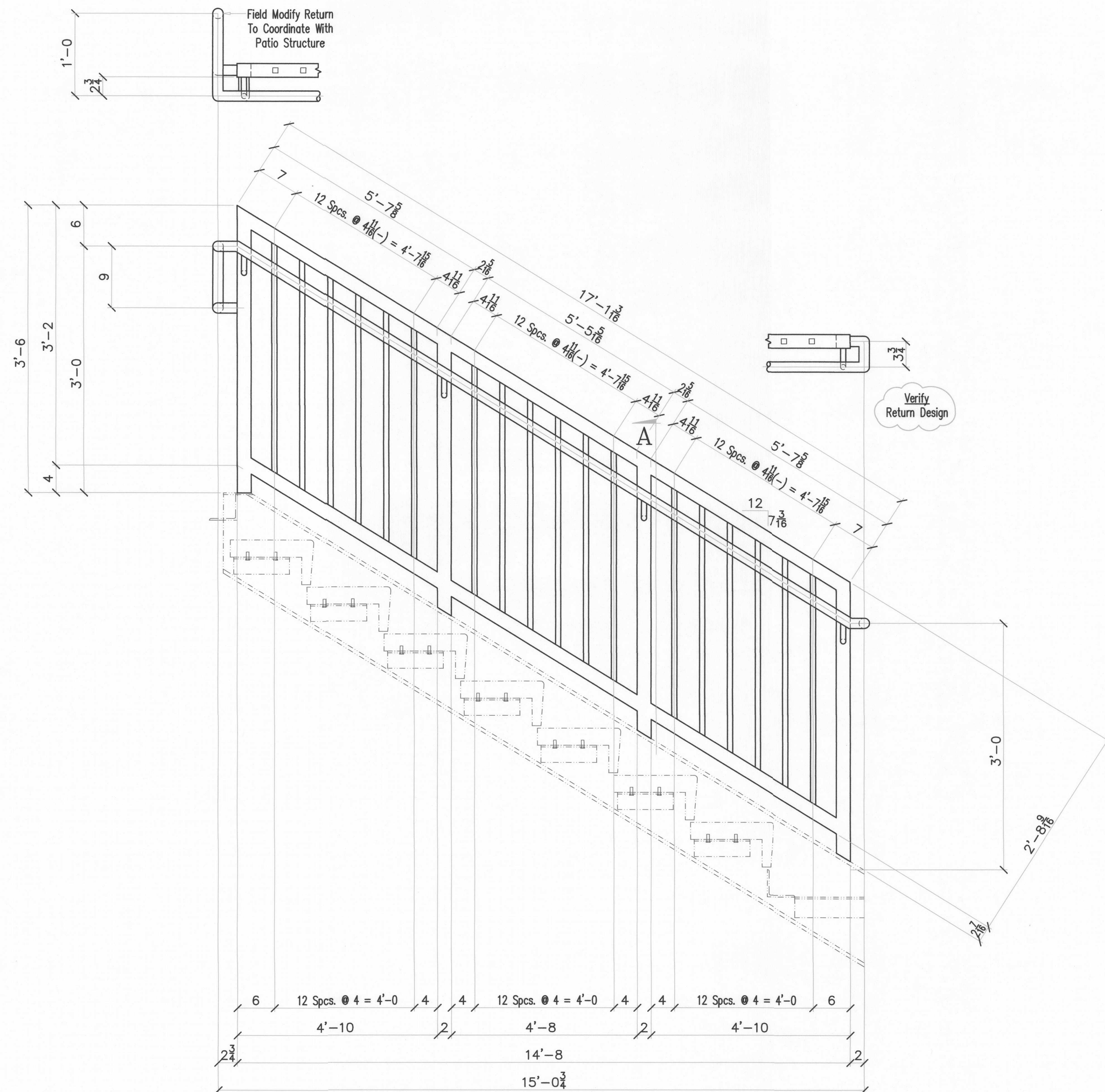
Shop Attach To Stair Per Erection Drawings

POWDER COAT



BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AR23		1	GUARDRAIL			
	R23a	4	1/2" Rod	0	4 3/4	
		1	HSS-2x2x1/8	48	0	
		1	HSS-3/8x3/8x.065	110	0	
		1	1 1/2" O.D. Pipe	23	0	

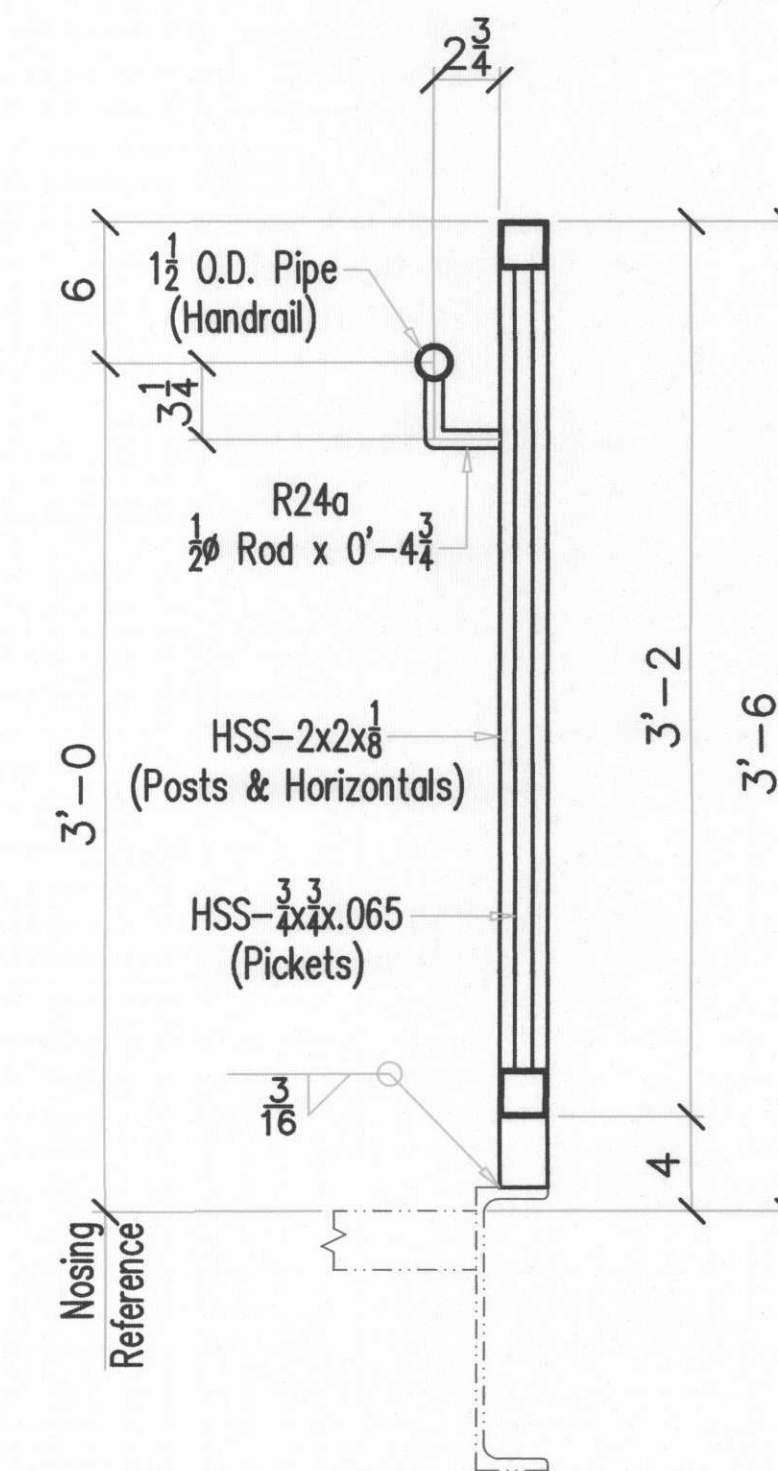
FIELD BOLTS			
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ONE - GUARDRAIL - "AR24"
Shop Attach To Stair Per Erection Drawings

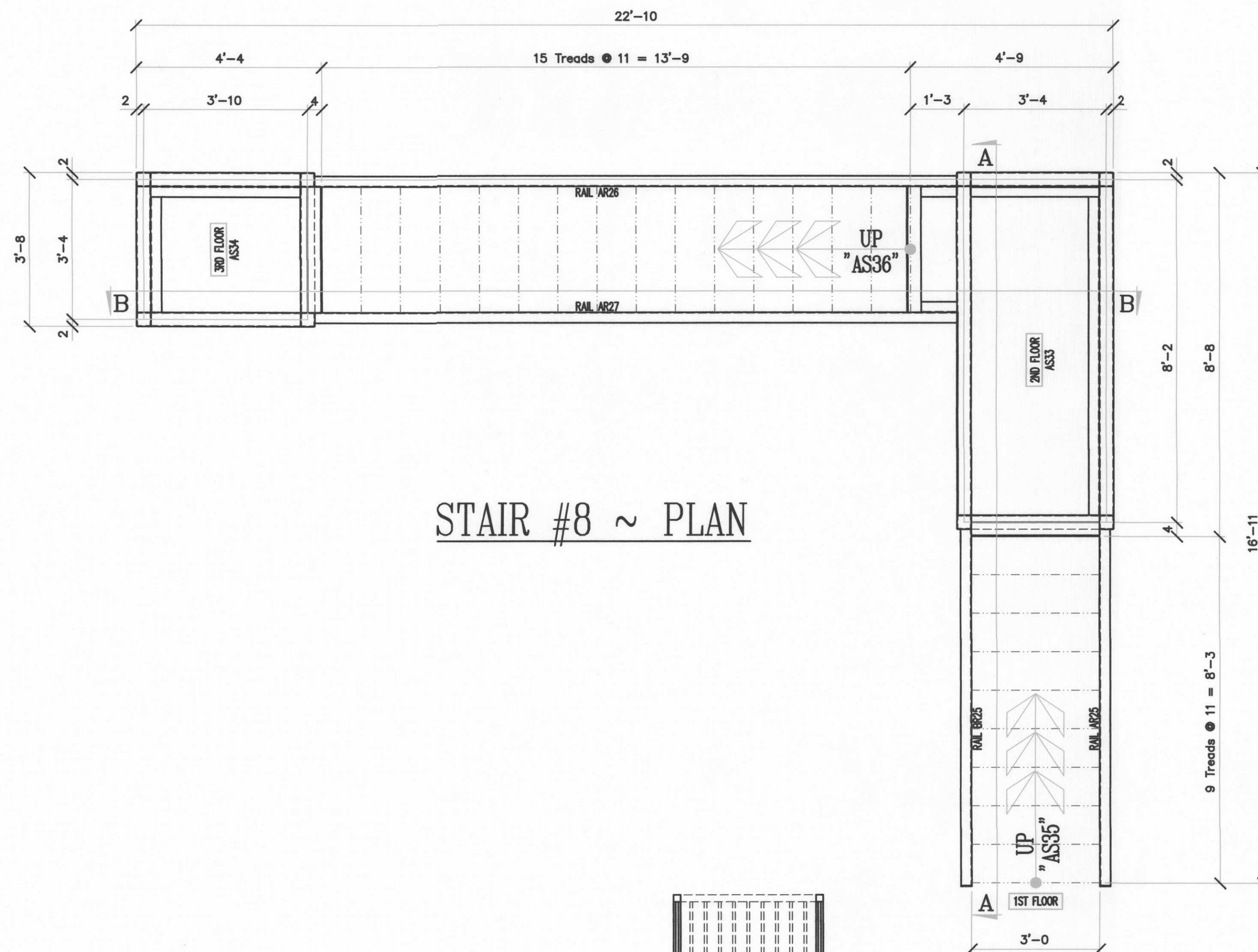
POWDER
COAT

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AR24		1	GUARDRAIL			
	R24a	4	1/2 Rod	0	4 3/4	
		1	HSS-2x2x8	48	0	
		1	HSS-3/4x.065	110	0	
		1	1 1/2 O.D. Pipe	21	0	

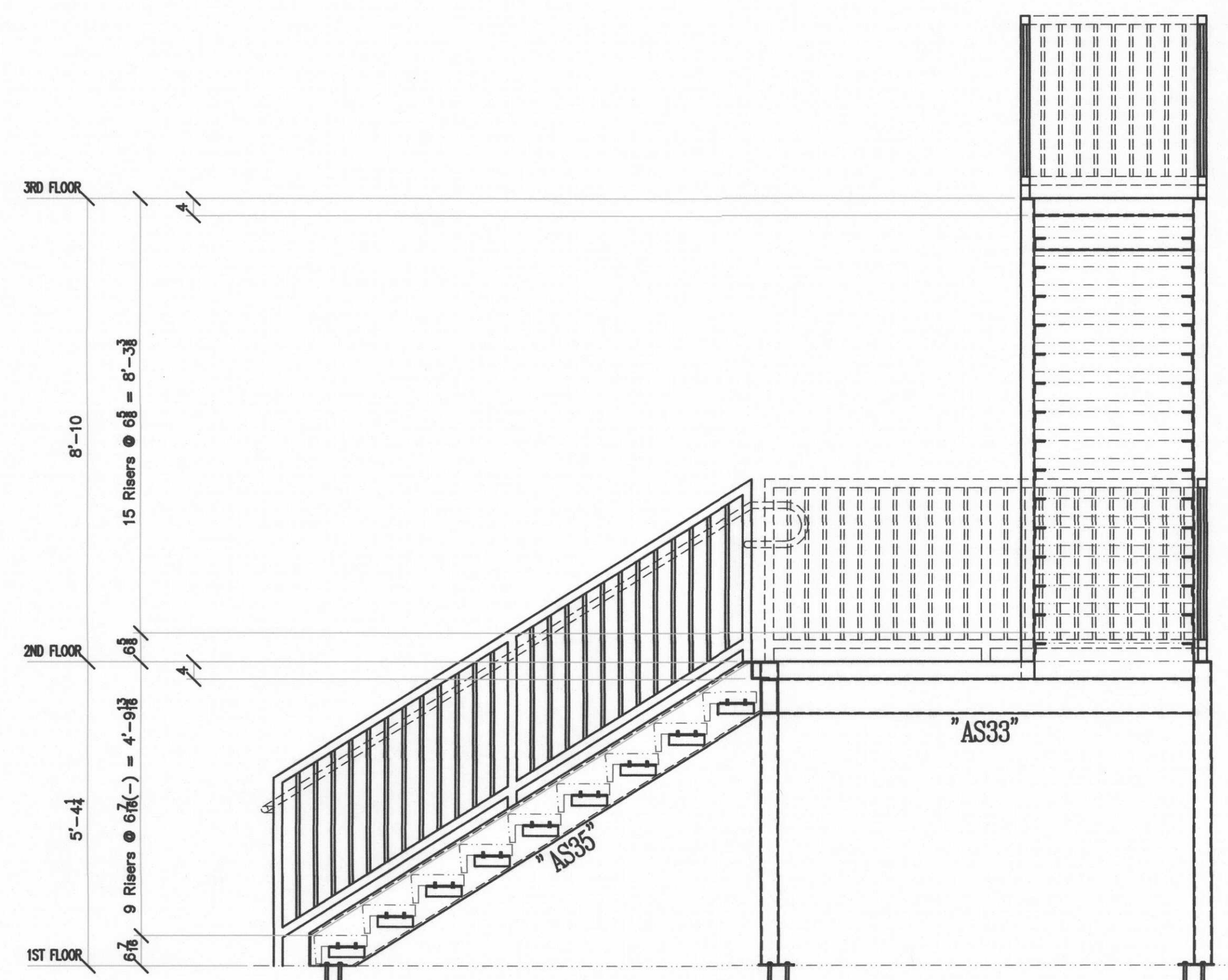


SECTION ~ "A"

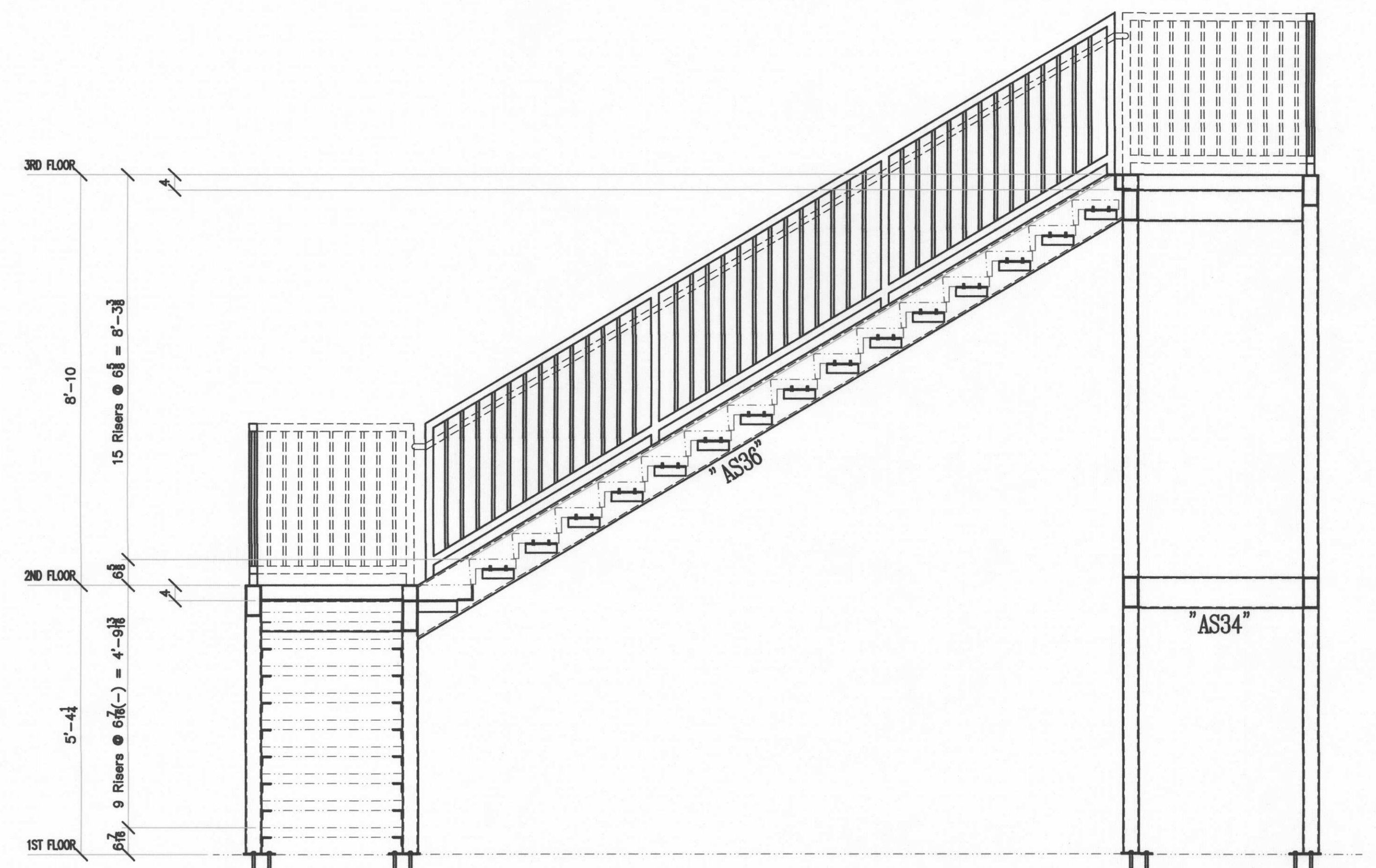
FIELD BOLTS		
REV	DESCRIPTION	DATE
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O	RELEASED FOR FABRICATION	7/15/16
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HOLES:	13/16 U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.
PACIFIC METAL WORKS PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM		
PROJECT:	BIRCHWOOD APARTMENTS	
LOCATION:	PORTLAND, OREGON	
CUSTOMER:	LUX CONSTRUCTION	
SCALE:	NTS	JOB #
DRAWN BY:	JRB	SHEET #
DATE:	5/16	REV
		R24
		0



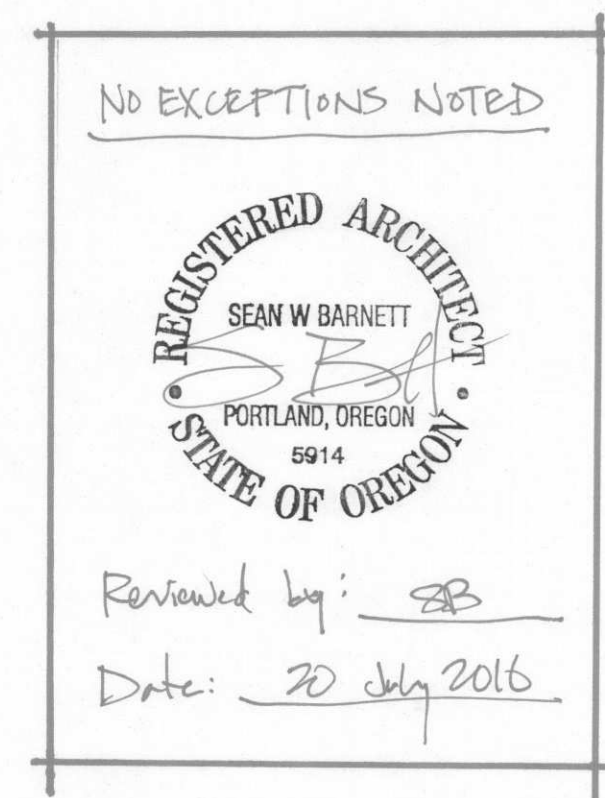
STAIR #8 ~ PLAN



SECTION ~ "AA"



SECTION ~ "BB"



CONTRACTOR
To Verify That All Existing Conditions Have Been Properly Represented

CONTRACTOR
To Furnish All Requested Information Pertaining To Existing Components And Work Points

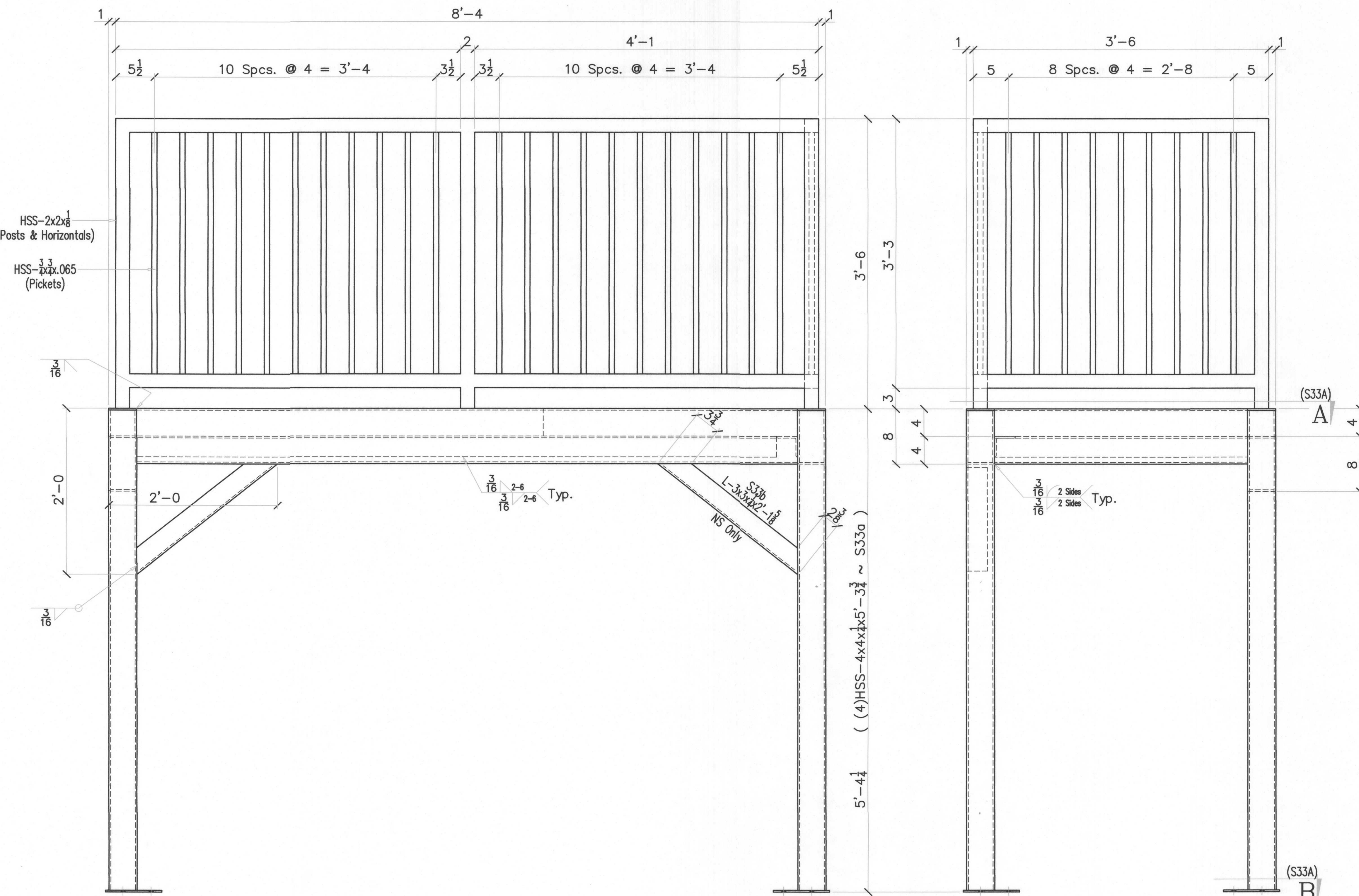
ARCHITECT / ENGINEER
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PROJECT:	BIRCHWOOD APARTMENTS
LOCATION:	PORTLAND, OREGON
CUSTOMER:	LUX CONSTRUCTION
SCALE:	NTS
DRAWN BY:	JRB
DATE:	5/16

JOB #	SHEET #	REV
	SE8	0



ONE - LANDING FRAME - "AS33"

POWDER
COAT

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS33		1	LANDING FRAME			
	S33a	4	HSS-4x4x1/8	5	3 3/4	
	S33b	2	L-3x3x1/8	2	1 1/8	
	S33c	2	HSS-8x4x1/8	7	10	
	S33d	2	HSS-8x4x1/8	3	0	
	S33e	1	L-3x3x1/8	7	7	
	S33h	1	L-3x3x1/8	3	0	
	S33k	1	R-1x4	4	10	
	S33m	4	R-1x4	0	4	
	S33p	4	R-1x8	0	8	
		1	HSS-2x2x1/8	38	0	
		31	HSS-3x3x.065	2	11	
		1	18 Ga. 'B' Deck 12x37	7	11	

WORK THIS SHEET
WITH SHEET S33A

FIELD BOLTS

(8) 5/8"x6 Epoxy Bolts

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

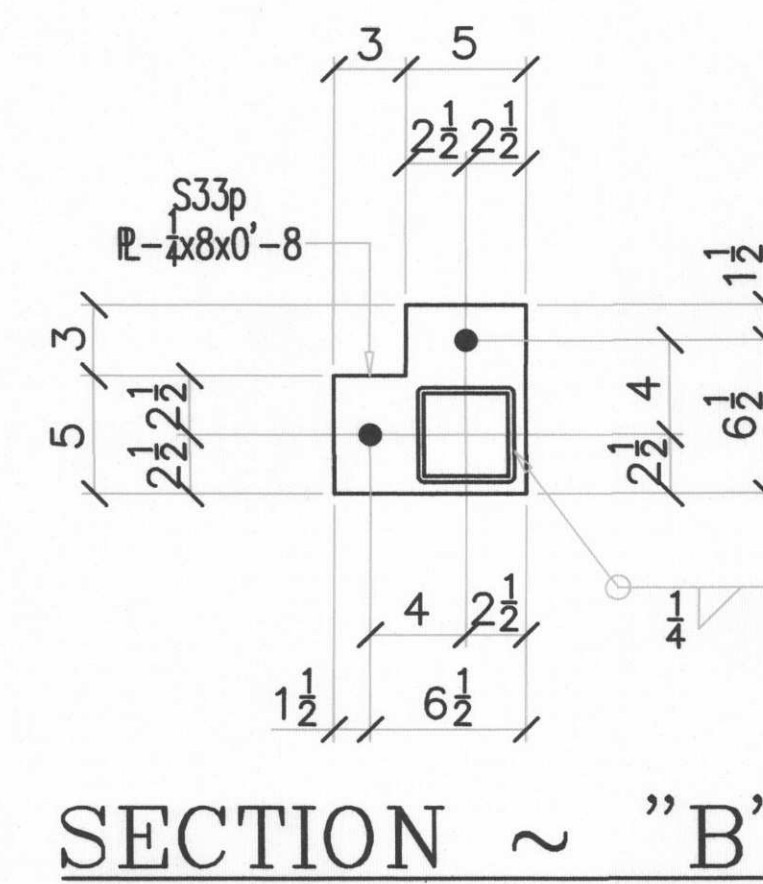
TYPICAL MATERIAL GRADES U.N.O.

W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS MACHINE BOLTS THREADED RODS HEADED STUDS	ASTM F1554 GR. 36 ASTM A307 ASTM A36 ASTM A108
HOLES:	13/16" U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.

PACIFIC
METAL
WORKS

PHO#(208)454-5456 FAX#(208)454-6178
Middleton, Id
PACIFICMETALWORKS@MSN.COM

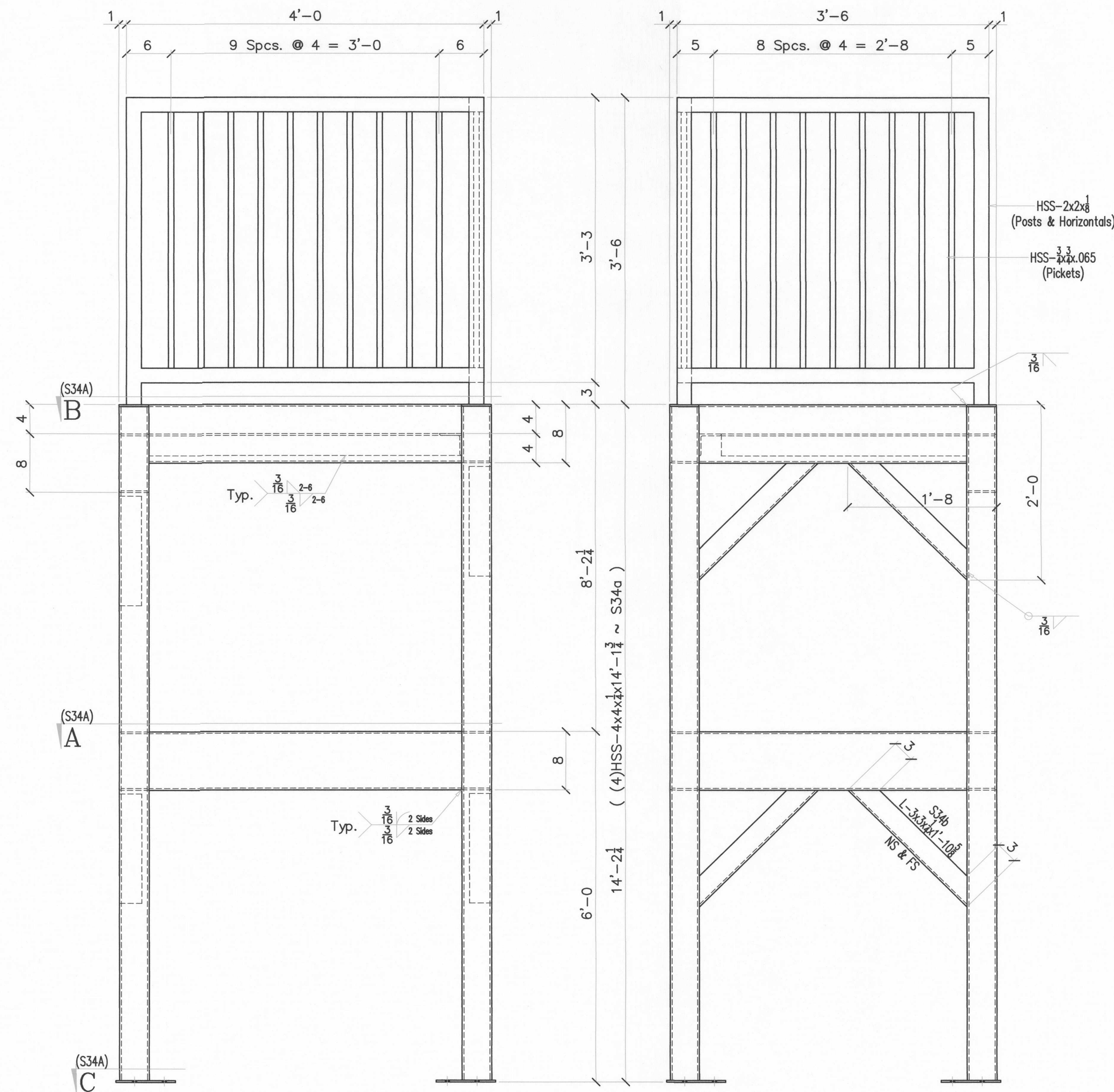
PROJECT: BIRCHWOOD APARTMENTS				
LOCATION: PORTLAND, OREGON				
CUSTOMER: LUX CONSTRUCTION				
SCALE:	NTS	JOB #	SHEET #	REV
DRAWN BY:	JRB		S33	
DATE:	5/16			



SECTION ~ "B"

WORK THIS SHEET
WITH SHEET S33

REV	DESCRIPTION		DATE
A	FOR APPROVAL		7/1/16
O	RELEASED FOR FABRICATION		7/15/16
TYPICAL MATERIAL GRADES U.N.O.			
W SHAPES BAR, R, L TS SHAPES SD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS MACHINE BOLTS THREADED RODS HEADED STUDS	ASTM F1554 GR. 36 ASTM A307 ASTM A36 ASTM A108
HOLES: 13 16 U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.		
 PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM			
PROJECT: BIRCHWOOD APARTMENTS			
LOCATION: PORTLAND, OREGON			
CUSTOMER: LUX CONSTRUCTION			
SCALE: NTS	JOB #	SHEET #	REV
DRAWN BY: JRB		S33A	
DATE: 5/16			



ONE - LANDING FRAME - "AS34"

POWDER
COAT

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS34		1	LANDING FRAME			
	S34a	4	HSS-4x4x1/4	14	12	
	S34b	8	L-3x3x1/2	1	10 1/2	
	S34c	4	HSS-8x4x1/4	3	0	
	S34d	4	HSS-8x4x1/4	3	6	
	S34e	1	L-3x3x1/2	2	9	
	S34h	1	L-3x3x1/2	3	6	
	S34k	1	RL-1x4	3	6	
	S34m	4	RL-1x4	0	4	
	S34p	4	RL-1x8	0	8	
		1	HSS-2x2x8	26	0	
		19	HSS-3/8x.065	2	11	
		1	18 Ga. 'B' Deck 1 1/2x37	3	7	

WORK THIS SHEET
WITH SHEET S34A

FIELD BOLTS

(8) 5/8x6 Epoxy Bolts

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
0	RELEASED FOR FABRICATION	7/15/16

TYPICAL MATERIAL GRADES U.N.O.

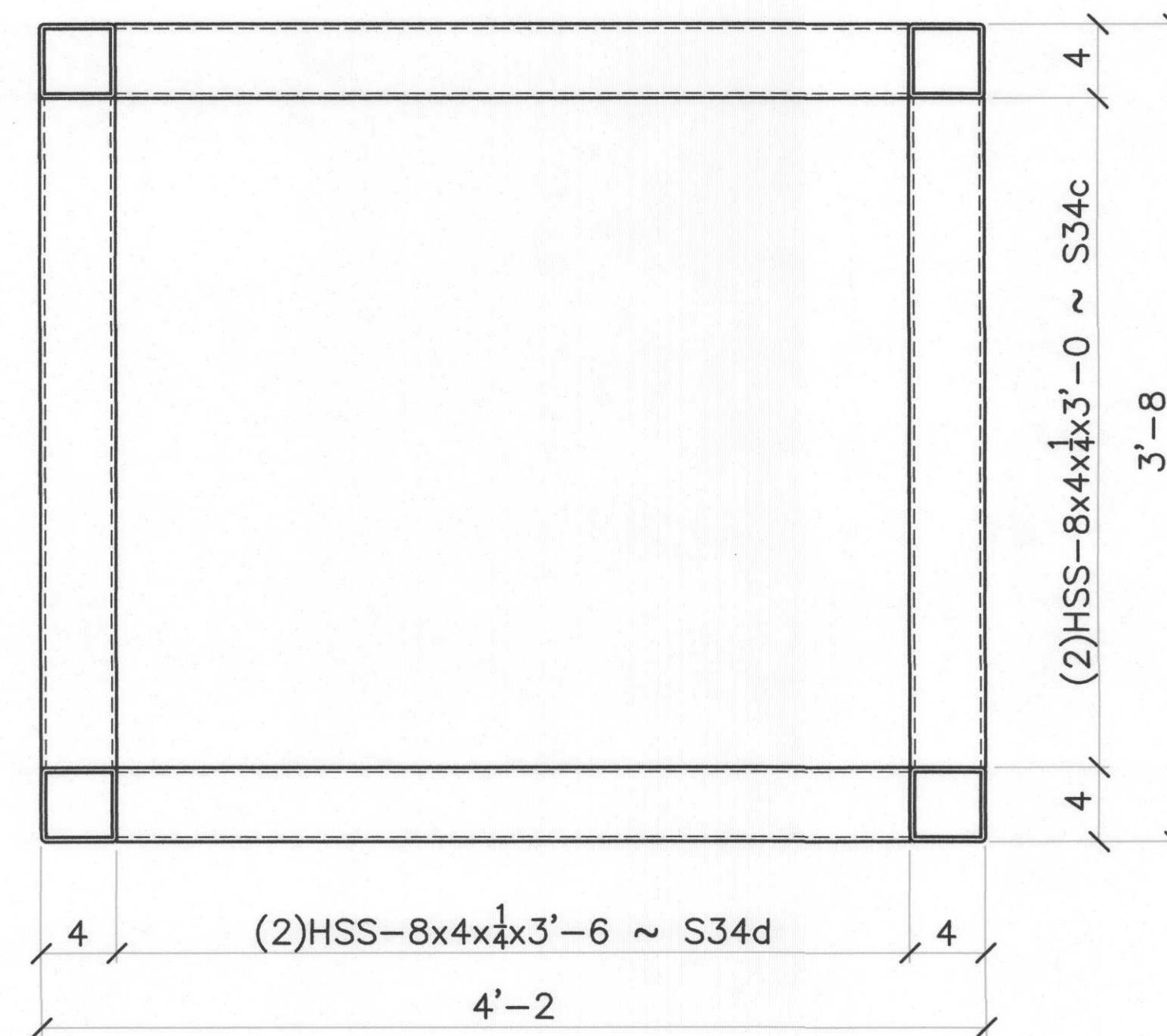
W SHAPES	ASTM A992	ANCHOR BOLTS	ASTM F1554 GR. 36
BAR, RL, L	ASTM A36	MACHINE BOLTS	ASTM A307
TS SHAPES	ASTM A500 GR. B	THREADED RODS	ASTM A36
STD PIPE	ASTM A53 GR. B	HEADED STUDS	ASTM A108
H.S. BOLTS	ASTM A325N		
Holes:	13/16 U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.

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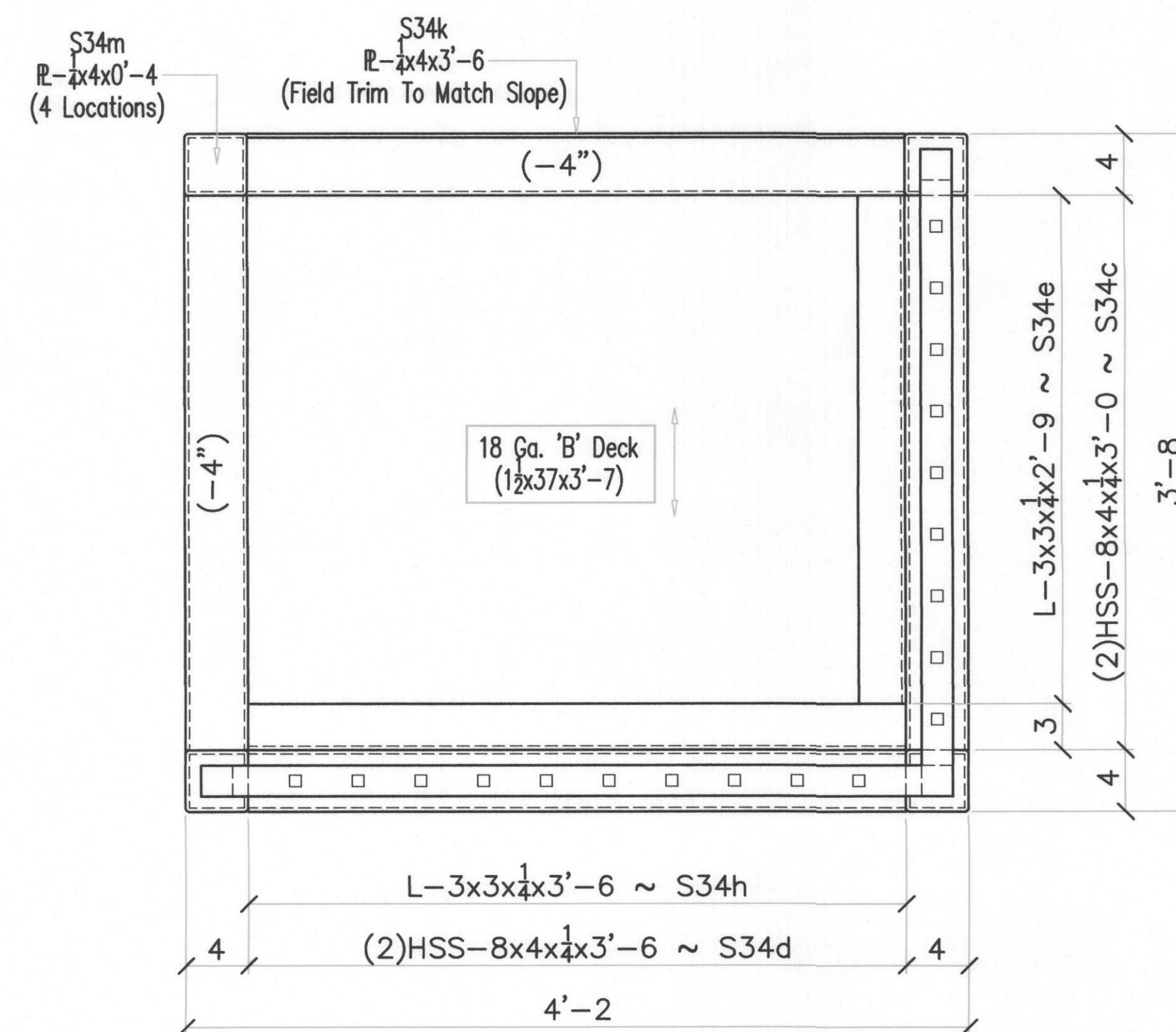
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Middleton, Id
PACIFICMETALWORKS@MSN.COM

PROJECT:	BIRCHWOOD APARTMENTS		
LOCATION:	PORTLAND, OREGON		
CUSTOMER:	LUX CONSTRUCTION		
SCALE:	NTS	JOB #	SHEET #
DRAWN BY:	JRB		REV
DATE:	5/16		

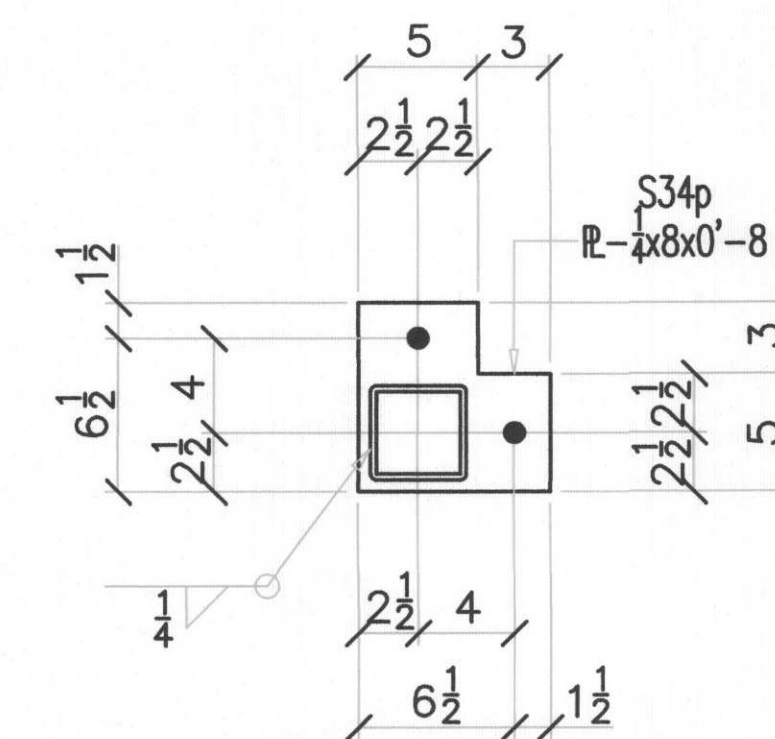
S34 0



SECTION ~ "A"



SECTION ~ "B"



SECTION ~ "C"

WORK THIS SHEET
WITH SHEET S34A

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

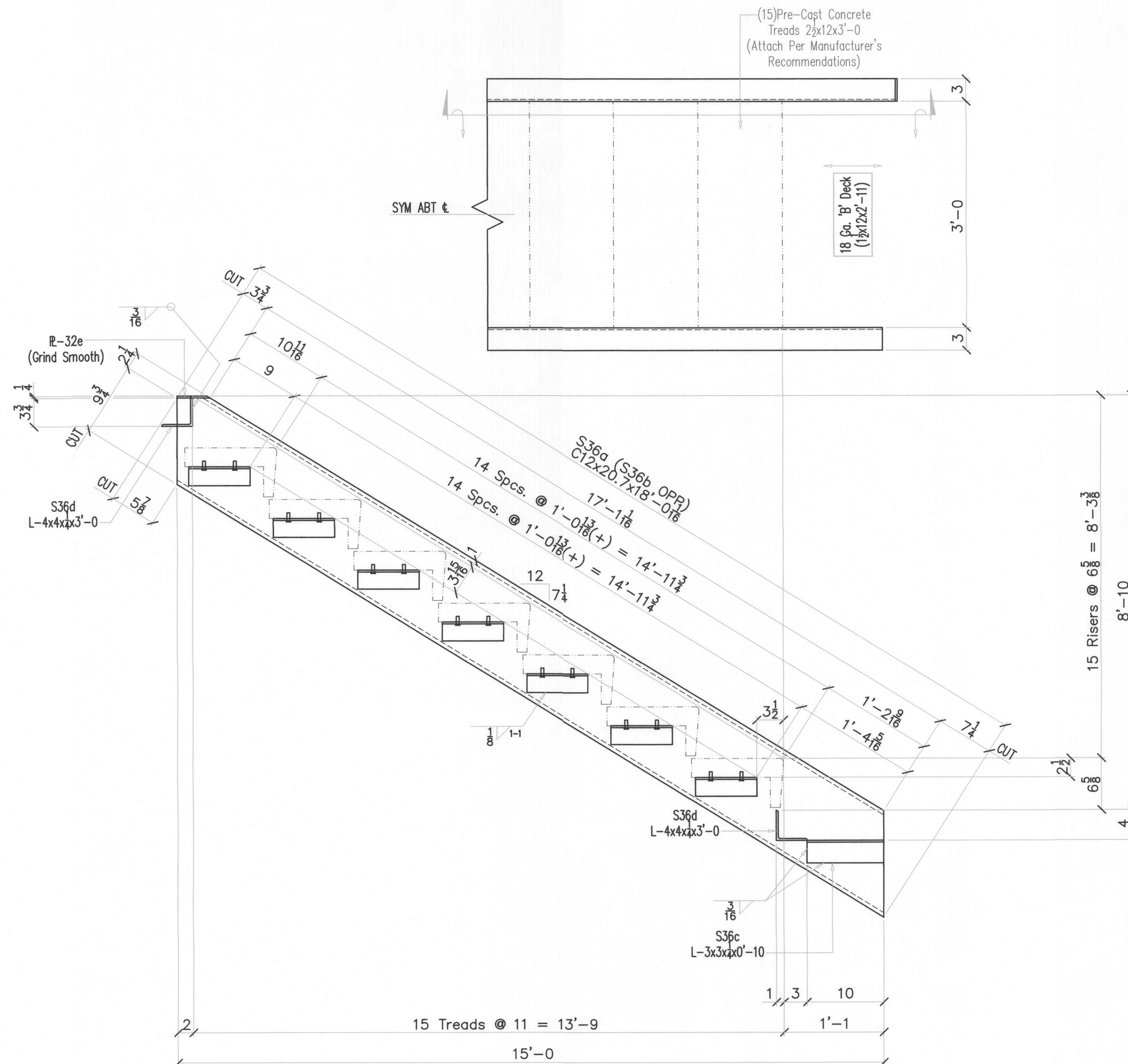
TYPICAL MATERIAL GRADES U.N.O.

W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS MACHINE BOLTS THREADED RODS HEADED STUDS	ASTM F1554 GR. 36 ASTM A307 ASTM A36 ASTM A108
HOLES:	13/16" U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.



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PACIFICMETALWORKS@MSN.COM

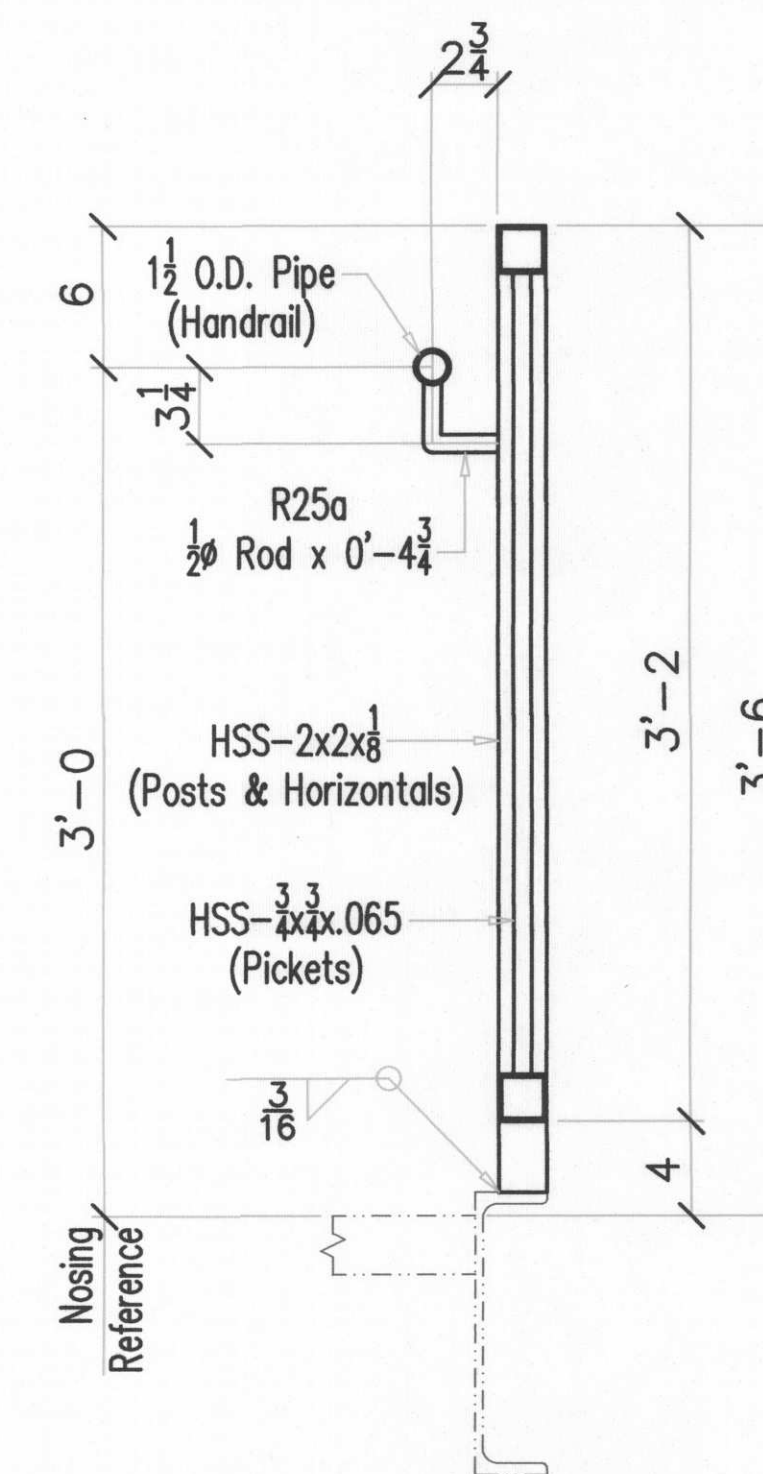
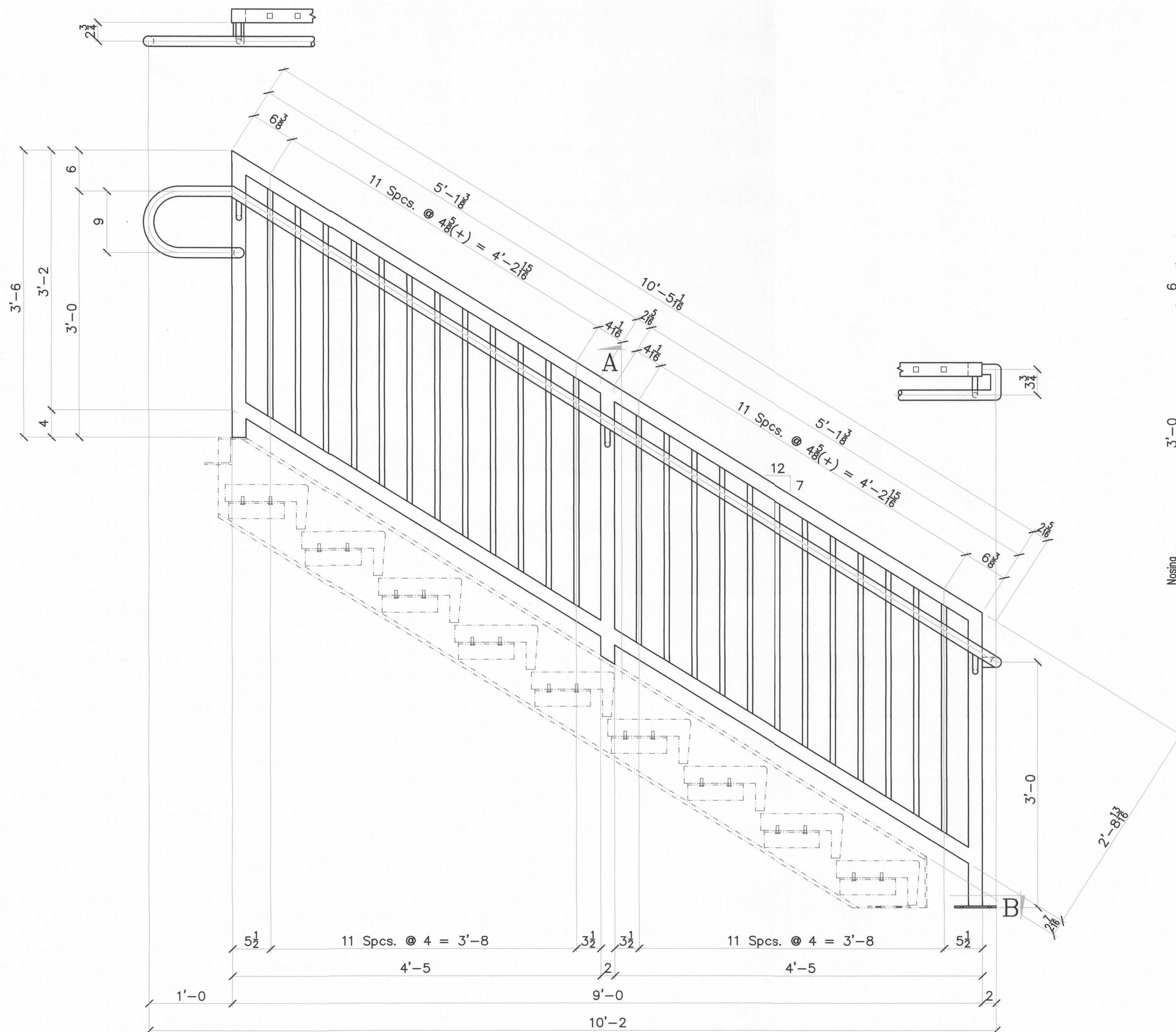
PROJECT:		BIRCHWOOD APARTMENTS		
LOCATION:		PORTLAND, OREGON		
CUSTOMER:		LUX CONSTRUCTION		
SCALE:	NTS	JOB #	SHEET #	REV
DRAWN BY:	JRB		S34A	
DATE:	5/16			



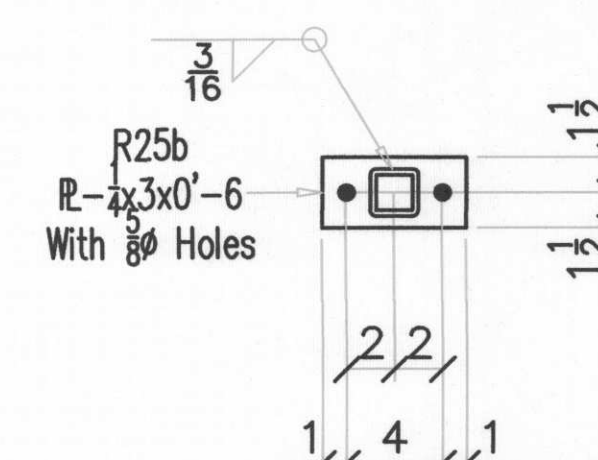
ONE - STAIR - "AS36"
Shop Attach To Guardrail Per Erection Drawings
POWDER COAT

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AS36		1	STAIR			
	S36a	1	C12x20.7	18	0 1/8	
	S36b	1	C12x20.7	18	0 1/8	
	S36c	2	L-3x3x2	0	10	
	S36d	2	L-4x4x2	3	0	
	S36e	1	R-32	2	0	
		1	18 Ga. 'B' Deck 1 1/2 x 12	2	11	
		15	Pre-Cast Concrete Treads			SEE DETAIL

FIELD BOLTS		
REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16
TYPICAL MATERIAL GRADES U.N.O.		
W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS ASTM F1554 GR. 36 MACHINE BOLTS ASTM A307 THREADED RODS ASTM A36 HEADED STUDS ASTM A108
HOLES:	13/16" U.N.O.	SHOP PAINT: 1 COAT PRIMER U.N.O.
PACIFIC METAL WORKS PHO#(208)454-5456 FAX#(208)454-6178 Middleton, Id PACIFICMETALWORKS@MSN.COM		
PROJECT: BIRCHWOOD APARTMENTS		
LOCATION: PORTLAND, OREGON		
CUSTOMER: LUX CONSTRUCTION		
SCALE: NTS	JOB #	SHEET #
DRAWN BY: JRB		REV
DATE: 5/16		S36



SECTION ~ "A"



SECTION ~ "B"

ONE - GUARDRAIL - "AR25"(THUS)
ONE - GUARDRAIL - "BR25"(OPP)
Shop Attach To Stair Per Erection Drawings

POWDER
COAT

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AR25		1	GUARDRAIL			
	R25a	3	1/2 Rod	0	4 3/4	
	R25b	1	R-1x3	0	6	
		1	HSS-2x2x8	33	0	
		1	HSS-3/4x3/4x.065	68	0	
BR25		1	1 1/2 O.D. Pipe	15	0	
		1	GUARDRAIL			
	R25a	3	1/2 Rod	0	4 3/4	
	R25b	1	R-1x3	0	6	
		1	HSS-2x2x8	33	0	
		1	HSS-3/4x3/4x.065	68	0	
		1	1 1/2 O.D. Pipe	15	0	

FIELD BOLTS

(4) 1/2x4 Epoxy Bolts

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

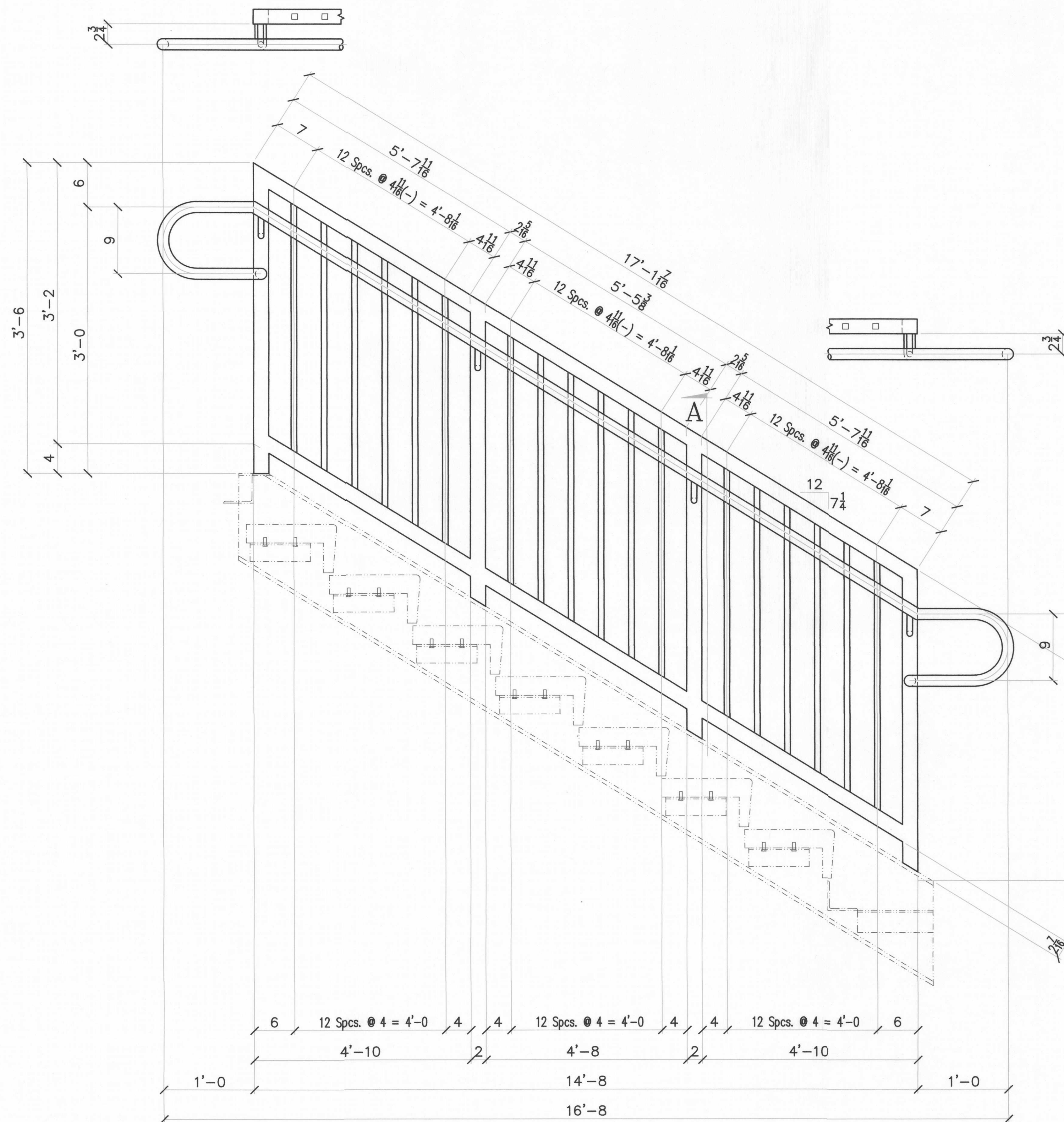
TYPICAL MATERIAL GRADES U.N.O.

W SHAPES BAR, R, L TS SHAPES STD PIPE H.S. BOLTS	ASTM A992 ASTM A36 ASTM A500 GR. B ASTM A53 GR. B ASTM A325N	ANCHOR BOLTS MACHINE BOLTS THREADED RODS HEADED STUDS	ASTM F1554 GR. 36 ASTM A307 ASTM A36 ASTM A108
HOLDS:	13/16 U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.

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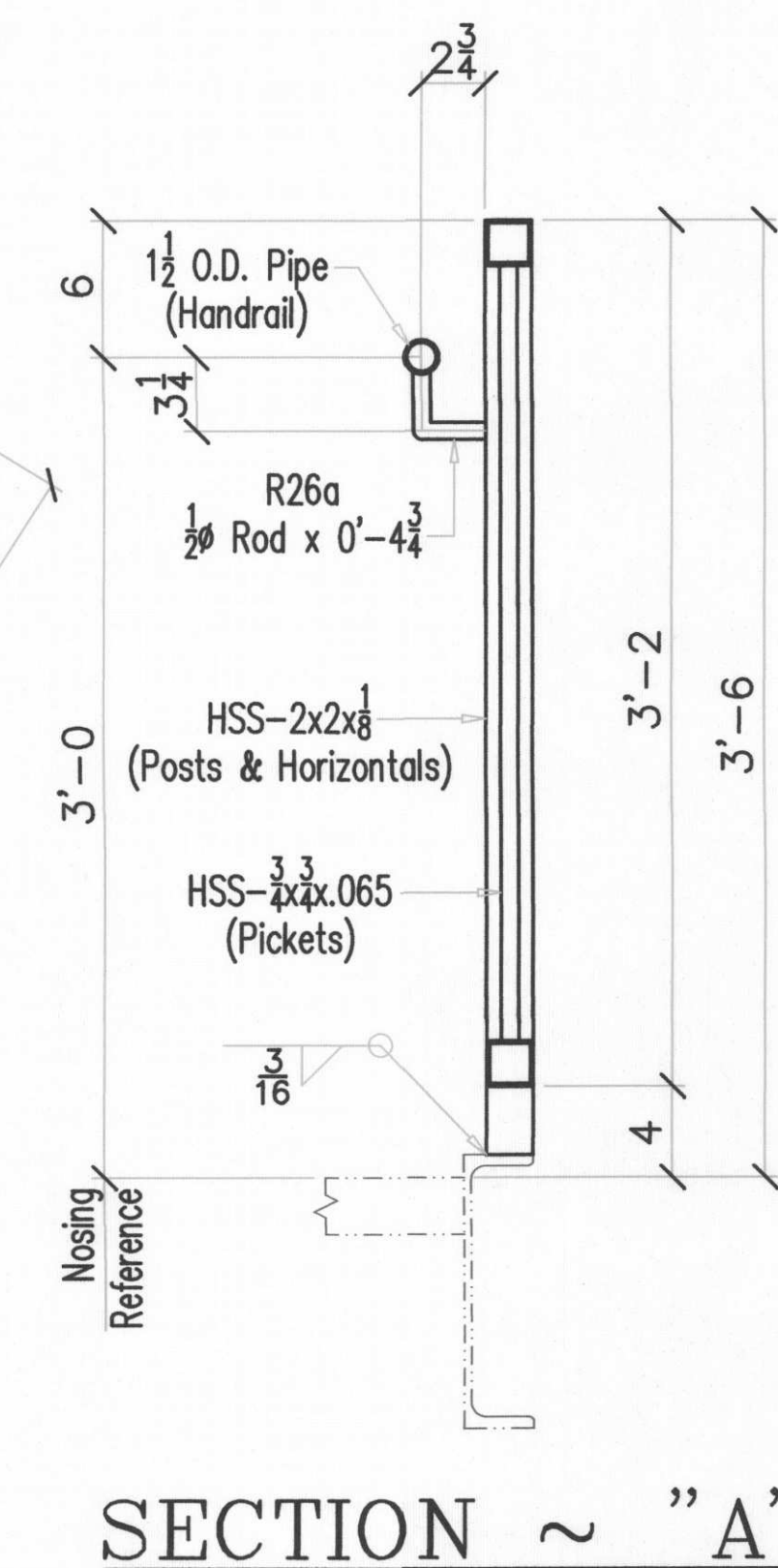
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Middleton, Id
PACIFICMETALWORKS@MSN.COM

PROJECT:	BIRCHWOOD APARTMENTS			
LOCATION:	PORTLAND, OREGON			
CUSTOMER:	LUX CONSTRUCTION			
SCALE:	NTS	JOB #	SHEET #	REV
DRAWN BY:	JRB		R25	
DATE:	5/16			



ONE - GUARDRAIL - "AR26"
Shop Attach To Stair Per Erection Drawings

POWDER
COAT



BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AR26		1	GUARDRAIL			
	R26a	4	1/2 Rod	0	4 3/4	
		1	HSS-2x2x8	48	0	
		1	HSS-2x4x.065	110	0	
		1	1 1/2 O.D. Pipe	23	0	

FIELD BOLTS

REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

TYPICAL MATERIAL GRADES U.N.O.

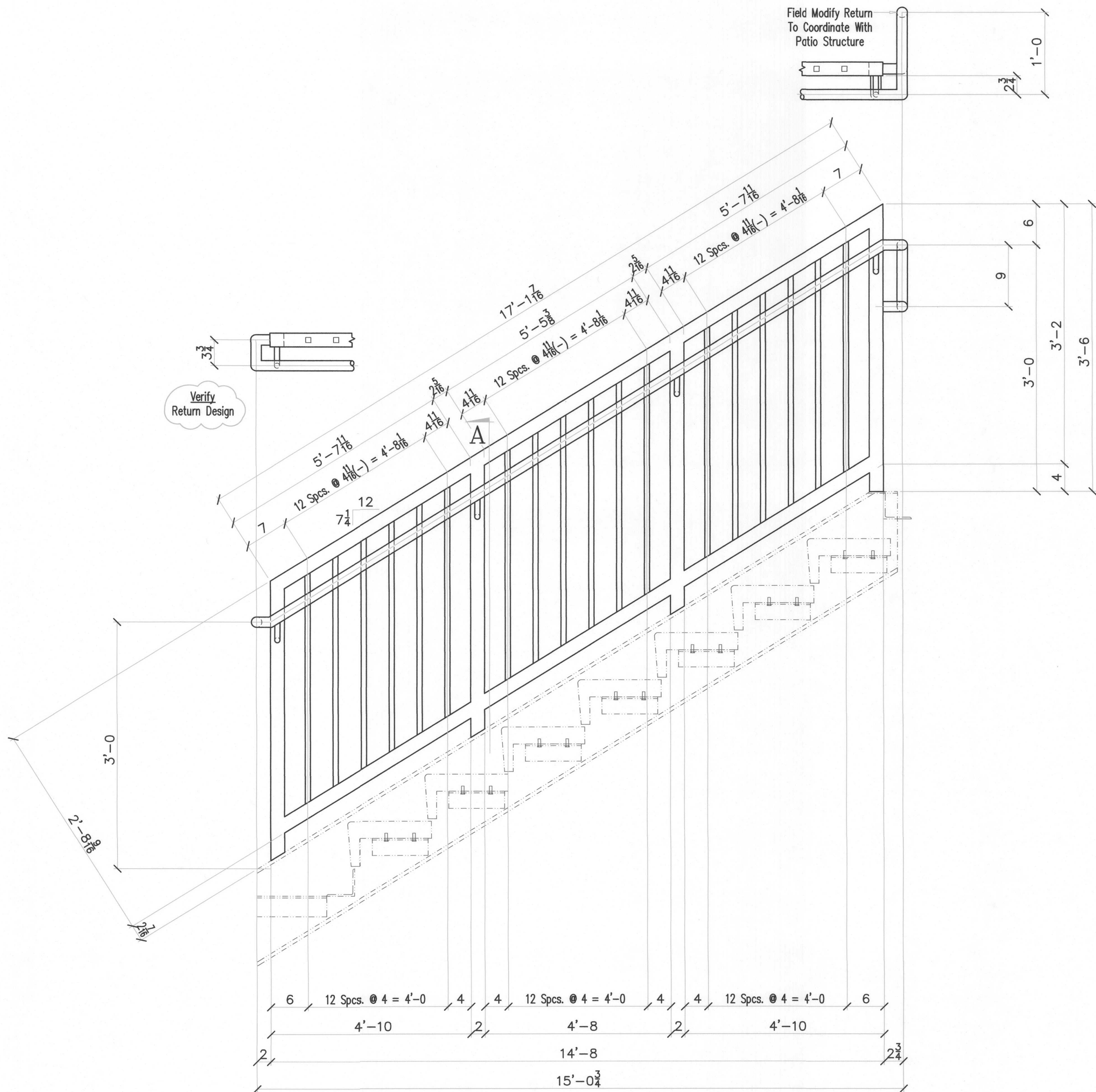
W SHAPES	ASTM A992	ANCHOR BOLTS	ASTM F1554 GR. 36
BAR, R, L	ASTM A36	MACHINE BOLTS	ASTM A307
TS SHAPES	ASTM A500 GR. B	THREADED RODS	ASTM A36
STD PIPE	ASTM A53 GR. B	HEADED STUDS	ASTM A108
H.S. BOLTS	ASTM A325N		

HOLES:	13/16 U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.
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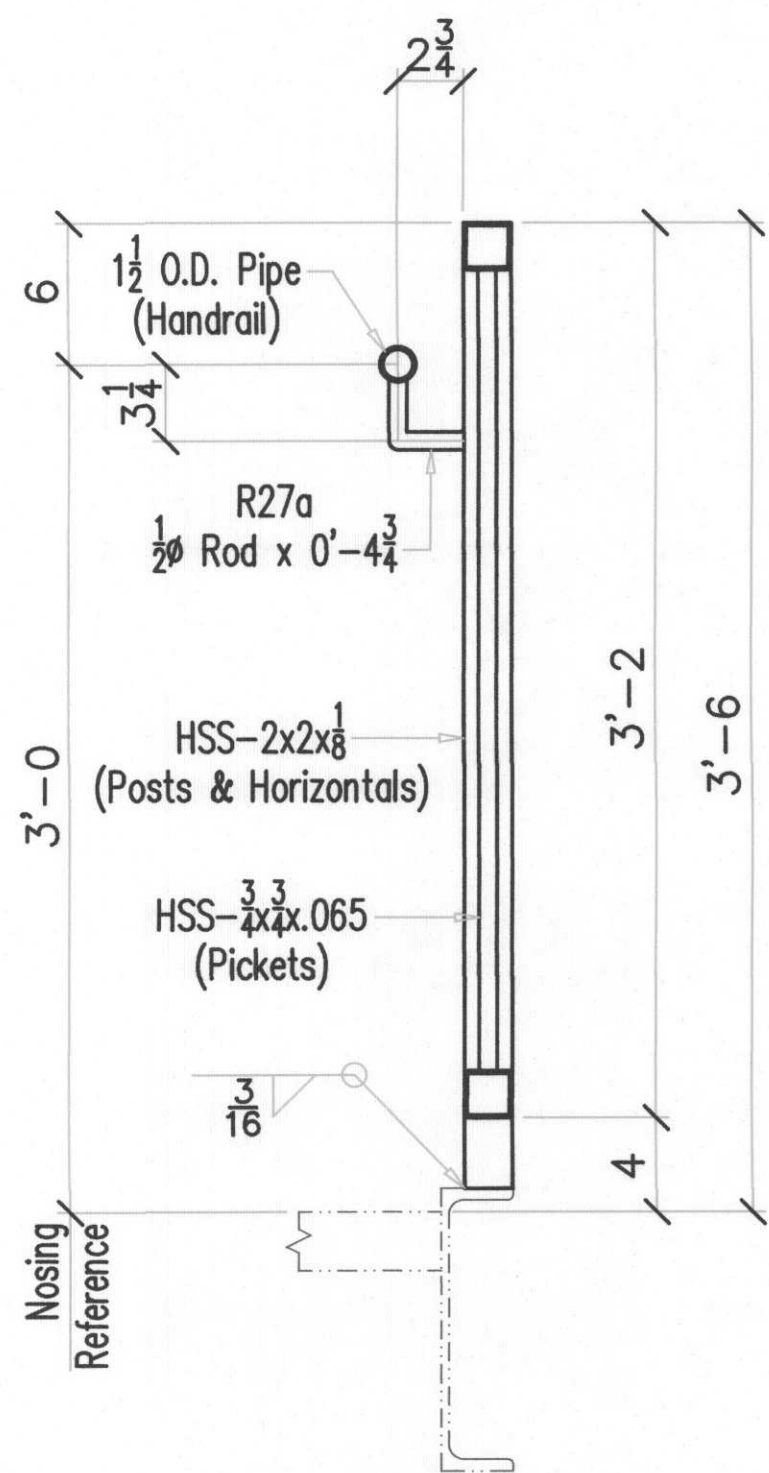
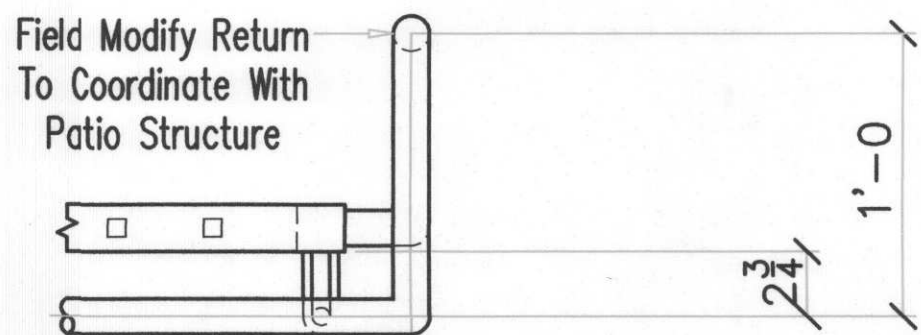
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Middleton, Id
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PROJECT: BIRCHWOOD APARTMENTS				
LOCATION: PORTLAND, OREGON				
CUSTOMER: LUX CONSTRUCTION				
SCALE:	NTS	JOB #	SHEET #	REV
DRAWN BY:	JRB		R26	
DATE:	5/16			



ONE - GUARDRAIL - "AR27"
Shop Attach To Stair Per Erection Drawings

POWDER
COAT



SECTION ~ "A"

BILL OF MATERIAL						
SHIP MARK	PIECE MARK	QTY REQ'D	DESCRIPTION	LENGTH		REMARKS
				FEET	INCHES	
AR27		1	GUARDRAIL			
	R27a	4	1/2 Rod	0	4 3/4	
		1	HSS-2x2x1/8	48	0	
		1	HSS-3/4x3/4x.065	110	0	
		1	1 1/2 O.D. Pipe	21	0	

FIELD BOLTS		
REV	DESCRIPTION	DATE
A	FOR APPROVAL	7/1/16
O	RELEASED FOR FABRICATION	7/15/16

TYPICAL MATERIAL GRADES U.N.O.			
W SHAPES	ASTM A992	ANCHOR BOLTS	ASTM F1554 GR. 36
BAR, R, L	ASTM A36	MACHINE BOLTS	ASTM A307
TS SHAPES	ASTM A500 GR. B	THREADED RODS	ASTM A36
STD PIPE	ASTM A53 GR. B	HEADED STUDS	ASTM A108
H.S. BOLTS	ASTM A325N		
HOLES:	13/16 U.N.O.	SHOP PAINT:	1 COAT PRIMER U.N.O.

P

M

W

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Middleton, Id
PACIFICMETALWORKS@MSN.COM

PROJECT:	BIRCHWOOD APARTMENTS		
LOCATION:	PORTLAND, OREGON		
CUSTOMER:	LUX CONSTRUCTION		
SCALE:	NTS	JOB #	SHEET #
DRAWN BY:	JRB		R27
DATE:	5/16		0