CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

055213-007
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

055213
SPECIFICATION SECTION / PARAGRAPH

Atlas Iron Works
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◉ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ◉ Action
- ◯ Information Only
- ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

1/30/17
DATE

To be completed by Reviewer

05 5213-007
CANNON DESIGN SUBMITTAL NUMBER

1/31/17
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

◯ See attached sheet(s) for additional comments

Railing with integrated light drawings submittal has been added to the drawings. See markups.

ALL VERTICAL POSTS OF HANDRAILS ON BOTH SIDES OF STAIR - WITH INTEGRATED LED LIGHTS AND WITHOUTS LIGHTS, MUST ALIGN.

revised 3/3/17

Kelvin Patel
Digitally signed by Kelvin Patel
DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design, OU=Architect, CN=Kelvin Patel
Date: 2017.03.03 17:35:22-06'00'
REVIEWED BY

2/23/17
DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0466

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 01/30/2017

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Stainless Steel Courtyard Stair Rails Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☑ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

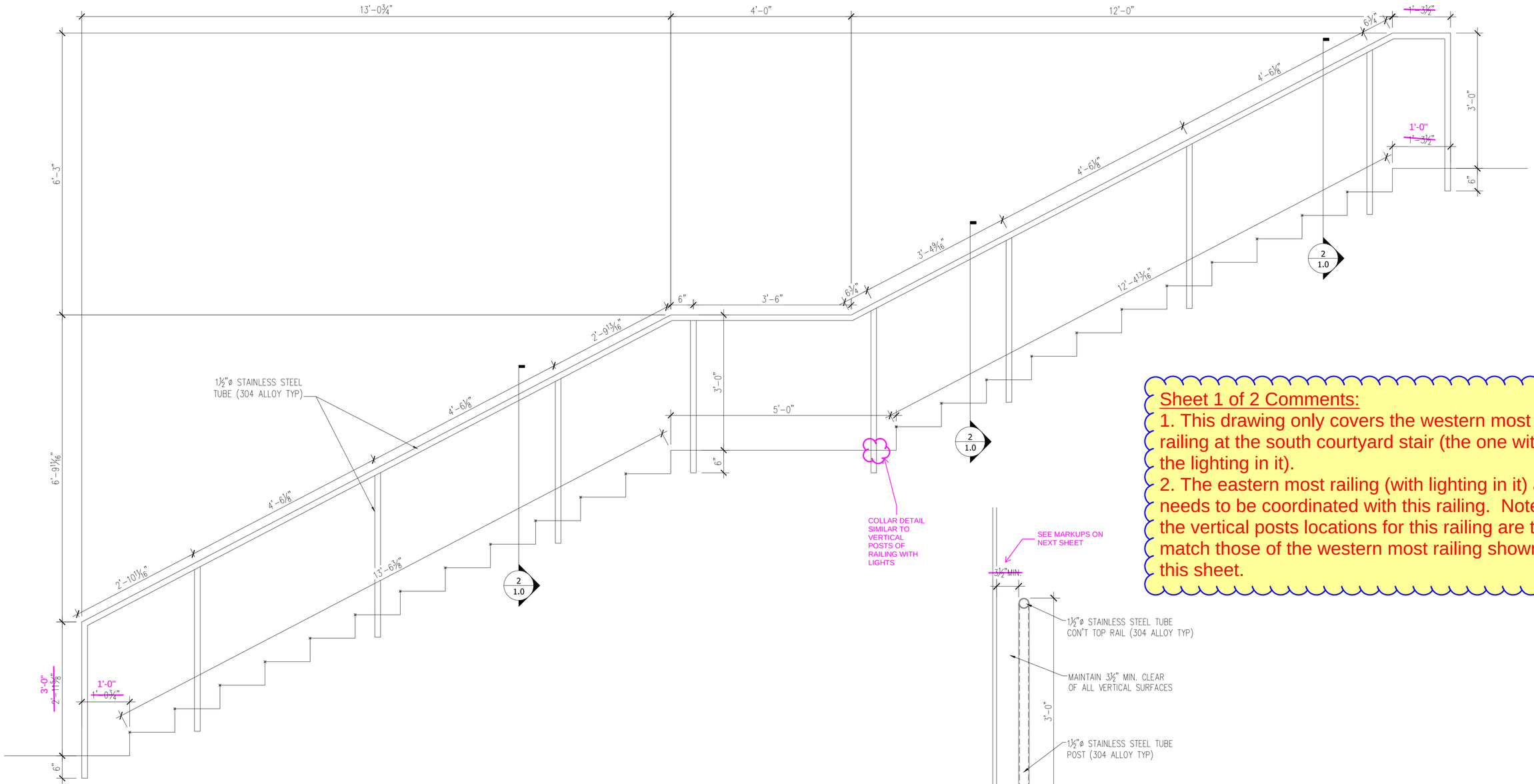
Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		055213-007	1		01/30/2017	Stainless Steel Courtyard Stair Rails Shop Drawings	Submitted

NOTES:

CC:

Signed: _____

Devin Gates

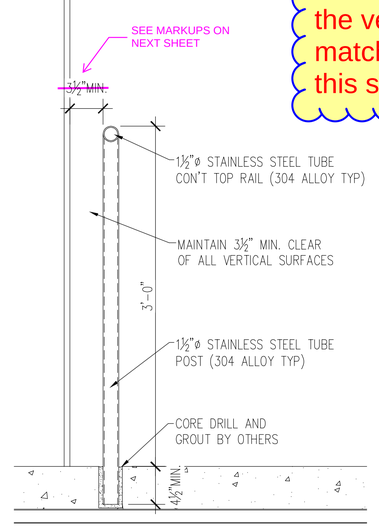


1 SOUTH COURTYARD STAIR - ELEVAVATION VIEW

REF. A0507.B / 2

COLLAR DETAIL SIMILAR TO VERTICAL POSTS OF RAILING WITH LIGHTS

SEE MARKUPS ON NEXT SHEET



2 SECTION VIEW TYPICAL

Sheet 1 of 2 Comments:

1. This drawing only covers the western most railing at the south courtyard stair (the one without the lighting in it).
2. The eastern most railing (with lighting in it) also needs to be coordinated with this railing. Note that the vertical posts locations for this railing are to match those of the western most railing shown on this sheet.

NOTES:

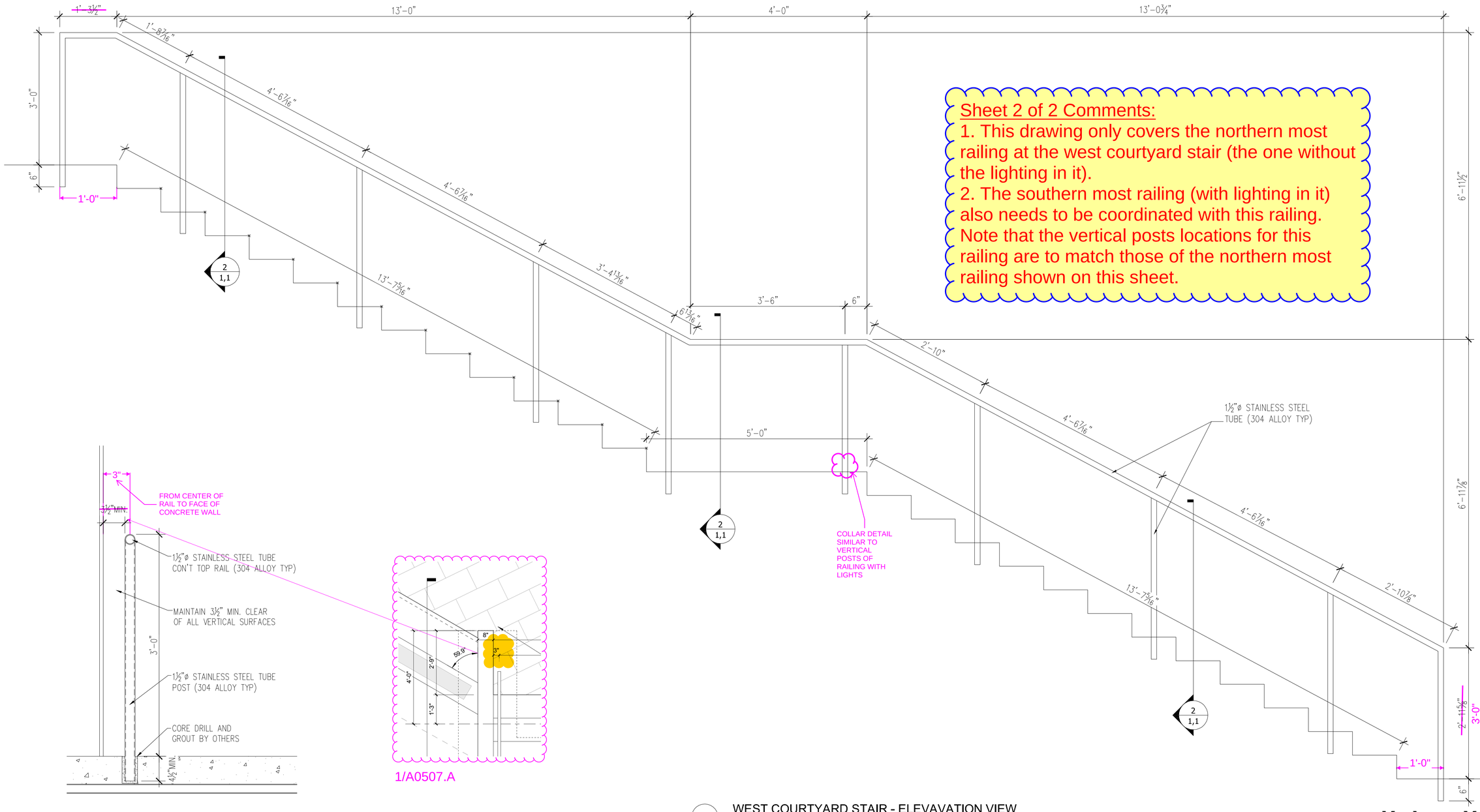
1. STAINLESS STEEL MATERIALS TO BE 304 ALLOY AND PROVIDED WITH A #4 SATIN SPUN FINISH.
2. ALL PARTS NOT CALLED OUT ARE EXISTING OR BY OTHERS.
3. ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. DIMENSIONS SUBJECT TO CHANGE AFTER FIELD MEASUREMENT.
4. MECHANICAL FIELD SPLICES PROVIDED BY MODERN METALS.
5. INSTALLATION BY MEANS OF CORE DRILLING AND GROUT TO BE BY OTHERS.

ALL VERTICAL POSTS OF HANDRAILS ON BOTH SIDES OF STAIR - WITH INTEGRATED LED LIGHTS AND WITHOUTS LIGHTS, MUST ALIGN.

Modern Metals Inc.
1939 N. BROADWAY
ST. LOUIS, MO. 63102

REVISIONS		
NO.	DATE	DESCRIPTION
1	1/27/17	SUBMITTED FOR APPROVAL

STRUCTURE	WEBSTER UNIVERSITY – ISB				
LOCATION	ST. LOUIS, MO				
DESCRIPTION	STAINLESS STEEL HAND RAIL				
CUSTOMER	ATLAS IRON WORKS				
DRN. BY	BGB	CHK'D. BY		JOB #	17-3785
APP. SENT		APP. REC'D.			
APP. SENT		APP. REC'D.		SHEET	1 OF 2
HOLES – AS NOTED					
FINISH – AS NOTED					
REMARKS					



Sheet 2 of 2 Comments:
1. This drawing only covers the northern most railing at the west courtyard stair (the one without the lighting in it).
2. The southern most railing (with lighting in it) also needs to be coordinated with this railing. Note that the vertical posts locations for this railing are to match those of the northern most railing shown on this sheet.

1 WEST COURTYARD STAIR - ELEVAVATION VIEW
REF. A0508.A / 2

2 SECTION VIEW TYPICAL

1/A0507.A

ALL VERTICAL POSTS OF HANDRAILS ON BOTH SIDES OF STAIR - WITH INTEGRATED LED LIGHTS AND WITHOUTS LIGHTS, MUST ALIGN.

NOTES:
1. STAINLESS STEEL MATERIALS TO BE 304 ALLOY AND PROVIDED WITH A #4 SATIN SPUN FINISH.
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3. ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. DIMENSIONS SUBJECT TO CHANGE AFTER FIELD MEASUREMENT.
4. MECHANICAL FIELD SPLICES PROVIDED BY MODERN METALS.
5. INSTALLATION BY MEANS OF CORE DRILLING AND GROUT TO BE BY OTHERS.

Modern Metals Inc.
1939 N. BROADWAY
ST. LOUIS, MO. 63102

REVISIONS		
NO.	DATE	DESCRIPTION
1	1/27/17	SUBMITTED FOR APPROVAL

STRUCTURE	WEBSTER UNIVERSITY – ISB
LOCATION	ST. LOUIS, MO
DESCRIPTION	STAINLESS STEEL HAND RAIL
CUSTOMER	ATLAS IRON WORKS
DRN. BY	BGB
CHK'D. BY	
APP. SENT	
APP. REC'D.	
APP. SENT	
APP. REC'D.	
JOB #	17-3785
SHEET	2 OF 2
HOLES – AS NOTED	
FINISH – AS NOTED	
REMARKS	

Sheet No.	Sheet Name
1	COVER PAGE (DFS1)
2	161-0917-01
3	161-0917-02

Revision History		
Rev	Date	Description
1	11/18/2016	Initial Approval Drawings
2	1/16/2017	Customer Revision

GENERAL NOTES:

Material: 304 Stainless
Finish: #4
Mounting Type: Embed
Epoxy: 1 - 50 mL

Level-offs and Returns are round pipe/tube unless otherwise noted.

Circled Dimensions are Assumed

CRITICAL DIMENSIONS TO BE VERIFIED

___Tread Rise
___Tread Depth
___Tread Quantity (Number of times you lift your foot)
___Nose to Nose
___Ramp Height
___Ramp Length
___Overall Lengths
___Wireway / Feed Locations (If applicable)

CODE APPROVAL:

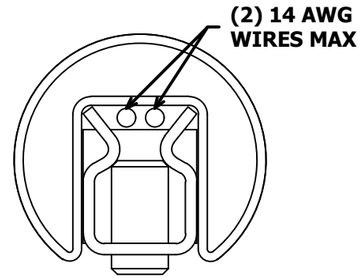
RAILS ARE DESIGNED TO THE REQUIREMENTS OF IBC 2012.

VERIFICATION OF LOCAL CODE COMPLIANCE IS THE RESPONSIBILITY OF THE CUSTOMER.

INSTALLATION:

ALL RAILING NEEDS TO BE INSTALLED BY A QUALIFIED HANDRAIL INSTALLER

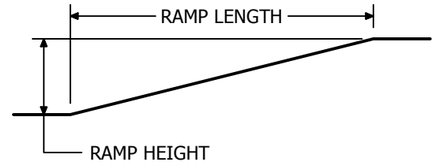
CAPRAIL DETAIL



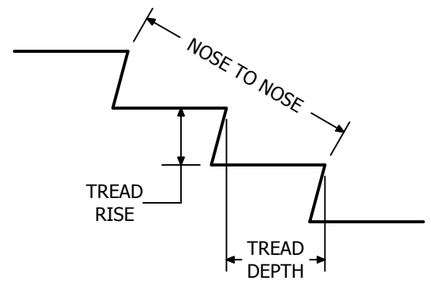
DRIVER REMOTE DISTANCE

7'-0" (2.1m) w/22 AWG
18'-0" (5.5m) w/18 AWG
46'-0" (14.0m) w/14 AWG
71'-0" (21.6m) w/12 AWG

RAMP DIMENSIONS



STAIR DIMENSIONS



FOR APPROVAL

☐ APPROVED AS IS - NO REVISONS
☐ NOT APPROVED - REVISE PER MARKUPS AND RE-SUBMIT

TO EXPEDITE THE REVISION PROCESS PLEASE MARK-UP AND RETURN THESE PRINTS

SIGNATURE: DATE:

MANUFACTURING WILL NOT BEGIN UNTIL SIGNED APPROVAL DRAWINGS ARE RECEIVED FROM CUSTOMER

ARCHITECTURAL REVIEW / DESIGN INTENT ONLY

REVISIONS TO OVERALL DIMENSIONS WILL NOT BE MADE UNTIL FIELD MEASUREMENTS HAVE BEEN RECEIVED

TOLERANCE

FRACTION:
X/XX.....= ± 1/16" over 4ft.
16 FT RAIL EXAMPLE:
16 FT / 4 FT = 4 * 1/16" = 1/4"
16 FT RAIL.....= ± 1/4"

DECIMAL:
X.XX.....= ± .030
X.XXX.....= ± .010

UNLESS OTHERWISE NOTED

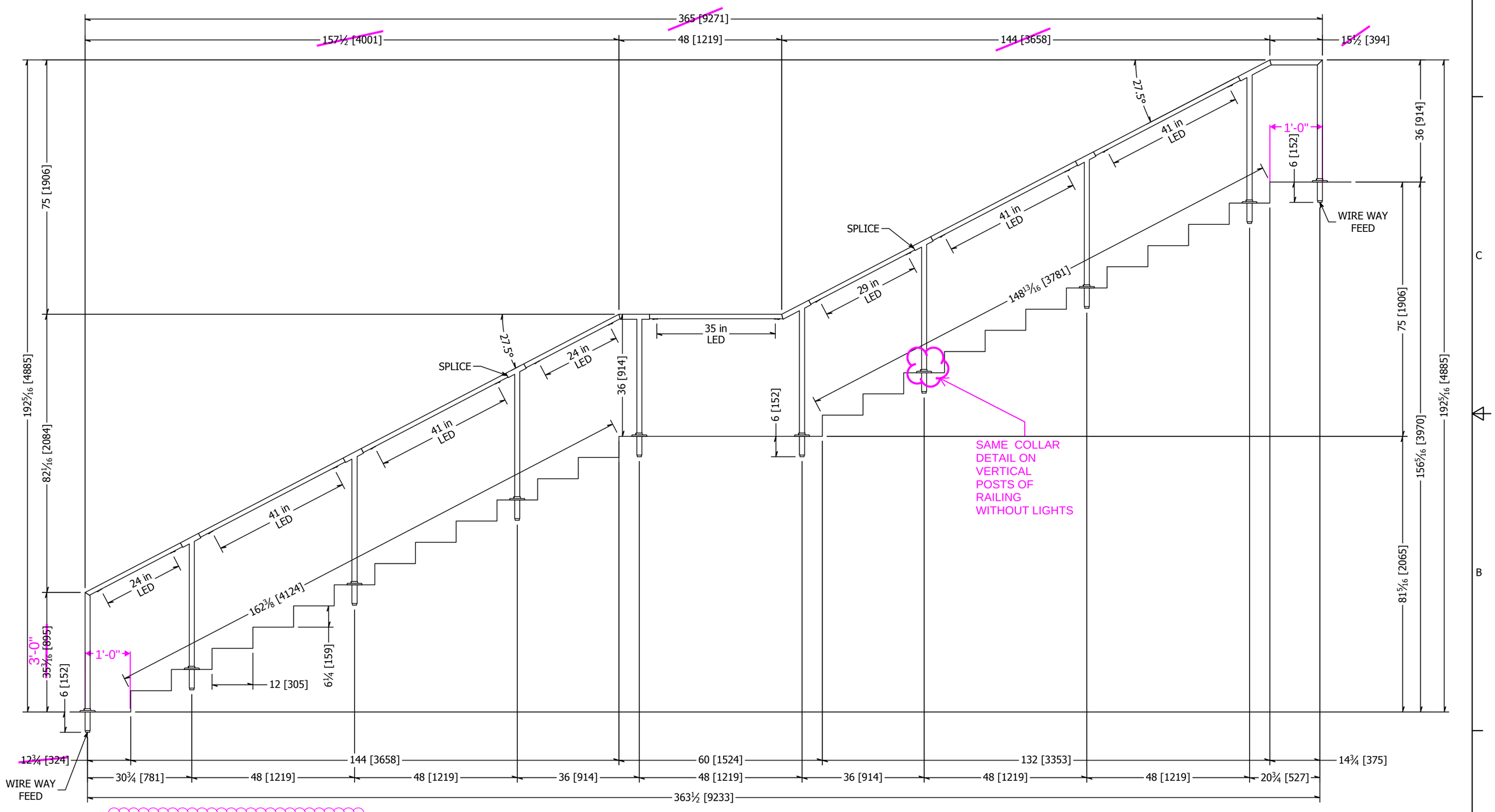
FINISH: #4
WEIGHT:
SHEET SIZE: B

DESCRIPTION: WEBSTER UNIVERSITY
MATERIAL: 304 Stainless
PROJECTION:
DATE: 1/16/2017
DRAWN BY: S. Frey

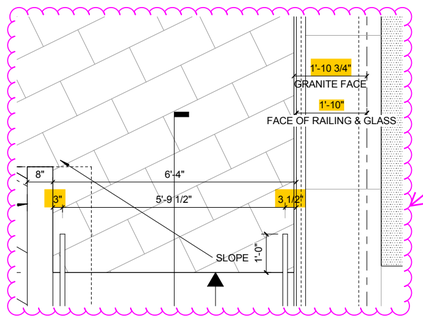
io LED Lighting
Eaton Lighting Solutions
18001 E Colfax Ave
Aurora, CO 80011

JOB NUMBER: QMH72800ILLUM
SHEET: 1 OF 3
PART NUMBER: COVER PAGE (DFS1)
REV: 2

ALL VERTICAL POSTS OF HANDRAILS ON BOTH SIDES OF STAIR -
WITH INTEGRATED LED LIGHTS AND WITHOUTS LIGHTS, MUST ALIGN.



SOUTH COURTYARD STAIR - REF A0507.B



FOR LOCATING RAILINGS IN PLAN

1/A0507.A

FOR APPROVAL

- ☐ APPROVED AS IS - NO REVISONS
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TOLERANCE

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16 FT / 4 FT = 4 * 1/16" = 1/4"
16 FT RAIL.....= ± 1/4"

DECIMAL:
X.XX.....= ± .030
X.XXX.....= ± .010

UNLESS OTHERWISE NOTED

FINISH:	#4
WEIGHT:	N/A
SHEET SIZE:	C
DESCRIPTION:	1.50" O.D. 304SS ILLUMINATED HANDRAIL
MATERIAL:	304 Stainless
PROJECTION:	
DATE:	1/16/2017
DRAWN BY:	S. Frey
JOB NUMBER:	QMH72800ILLUM
SHEET:	2 OF 3
PART NUMBER:	QMH72800ILLUM
REV:	2

io LED Lighting
Eaton Lighting Solutions
18001 E Colfax Ave
Aurora, CO 80011

ALL VERTICAL POSTS OF HANDRAILS ON BOTH SIDES OF STAIR -
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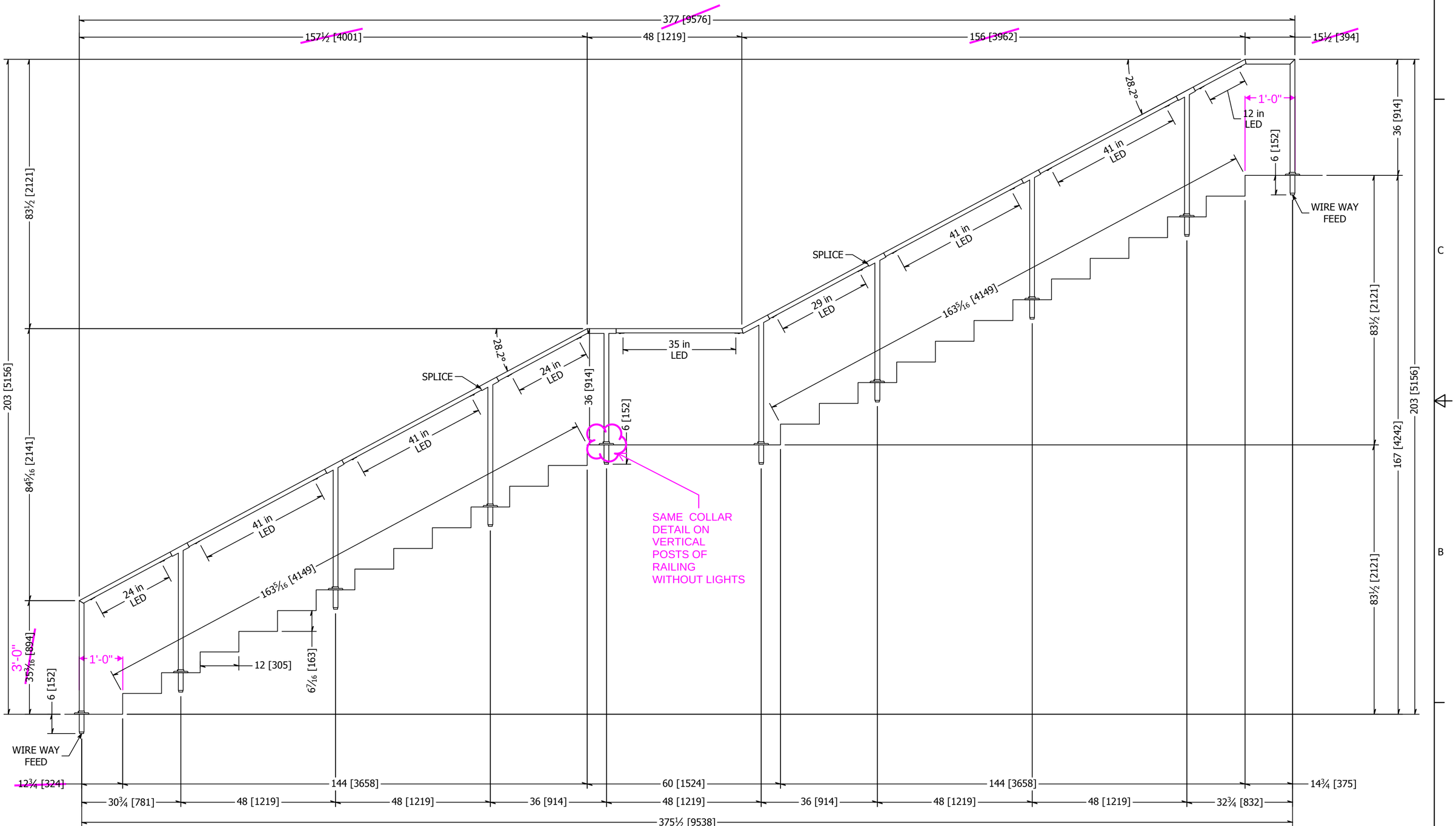

WEST COURTYARD STAIR - REF A0508.A

FOR APPROVAL

- ☐ APPROVED AS IS - NO REVISONS
- ☐ NOT APPROVED - REVISE PER MARKUPS AND RE-SUBMIT

TO EXPEDITE THE REVISION PROCESS PLEASE
MARK-UP AND RETURN THESE PRINTS

SIGNATURE: DATE:

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APPROVAL DRAWINGS ARE RECEIVED FROM CUSTOMER

ARCHITECTURAL REVIEW / DESIGN INTENT ONLY

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TOLERANCE

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X/XX.....= ± 1/16" over 4ft.
16 FT RAIL EXAMPLE:
16 FT / 4 FT = 4 * 1/16" = 1/4"
16 FT RAIL.....= ± 1/4"

DECIMAL:
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X.XXX.....= ± .010

UNLESS OTHERWISE NOTED

FINISH:	#4
WEIGHT:	191.92 lbmass
SHEET SIZE:	C
DESCRIPTION:	1.50" O.D. 304SS ILLUMINATED HANDRAIL
MATERIAL:	304 Stainless
PROJECTION:	
DATE:	1/16/2017
DRAWN BY:	S. Frey
JOB NUMBER:	QMH72800ILLUM
SHEET:	3 OF 3
PART NUMBER:	161-0917-02
REV:	2

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