

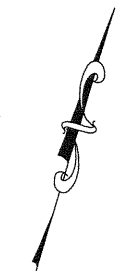
EASEMENT SKETCH

FOR: GLESSON ARCHITECTS

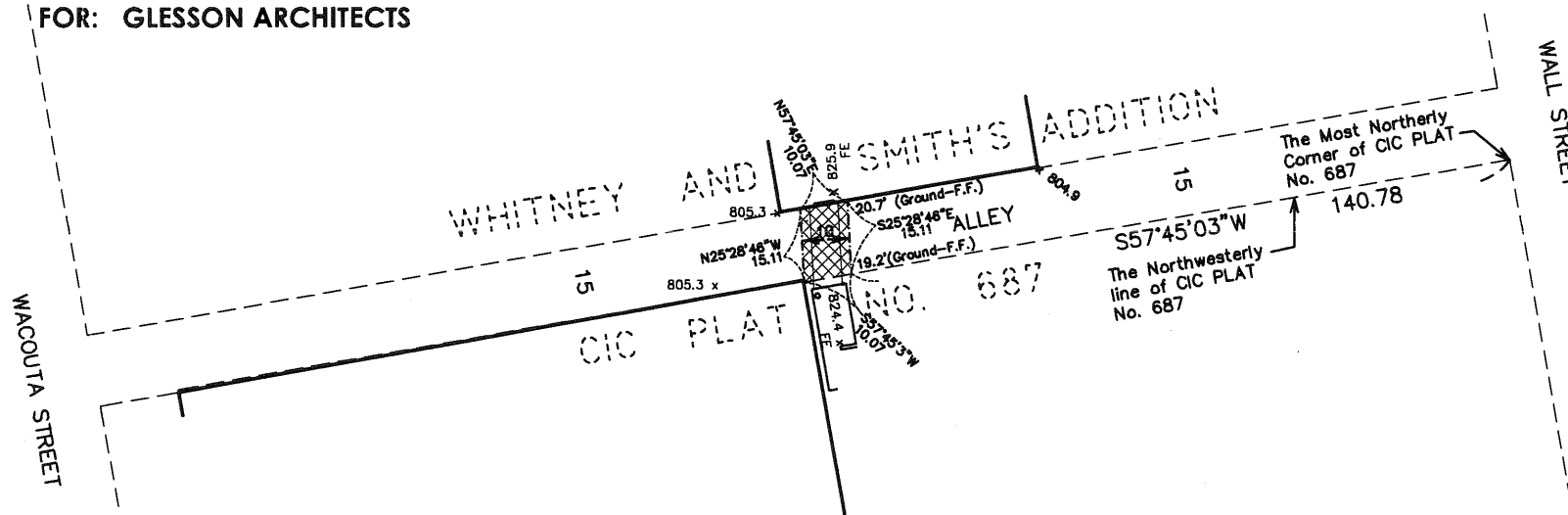
Property Address: 255TH EAST 6TH STREET PARKING RAMP
ST. PAUL, MN



(IN FEET)
1 inch = 30 ft.



NORTH



PROPOSED EASEMENT DESCRIPTION

An Easement for BRIDGE purposes that all lies above elevation 822 feet N.G.V.D. 1929 and below elevation 838 feet N.G.V.D. 1929 over that part of a public alley described as follows:

Commencing at the most northerly corner of CIC Plat NO. 687, Ramsey County, Minnesota; thence South 57 degrees 45 minutes 03 seconds West, plat bearing along the northwesterly line of said plat, a distance of 140.78 feet to the point of beginning of said easement; thence continue South 57 degrees 45 minutes 03 seconds West, a distance of 10.07 feet; thence North 25 degrees 28 minutes 46 seconds West, a distance of 15.11 feet; thence North 57 degrees 45 minutes 03 seconds East, a distance of 10.07 feet; thence South 25 degrees 28 minutes 46 seconds East, a distance of 15.11 feet to the point of beginning.

 DENOTES EASEMENT AREA

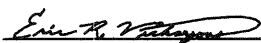
NOTES

- BEARING'S SHOWN ARE ON ASSUMED DATUM.
- FIELD SURVEY COMPLETED 4/02/13.
- ELEVATIONS BASED OFF OF N.G.V.D. 29'
- CONTRACTOR TO VERIFY DIMENSIONS.

BENCHMARK

Top nut of hydrant at NE quadrant of 6th Street and Wacouta Street Elev.= 802.39 (N.G.V.D. 29)

I hereby certify that this plan, survey or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.



ERIC R. VICKARYOUS

Rev. legal 06/12/13

Date: May 14th, 2013 Reg. No. 44125

ACRE LAND SURVEYING
Serving Twin Cities Metro
area and beyond
763-458-2997 acrelandsurvey@gmail.com

C:\Land Projects 2008\13144\dwg\13144.dwg 6/12/2013 9:00:55 AM CDT

Job #13144

GENERAL NOTES:**GENERAL CONSTRUCTION NOTES:**

- Reference Standards: Unless otherwise noted, all standards shall be current edition, with latest addenda if applicable.
- Contractor shall verify all existing dimensions, member sizes and field conditions prior to any demolition, fabrication, construction or installation and notify engineer if conditions, materials, sizes and dimensions are different from those shown.
- The contract structural drawings and specifications represent the finished structure. Unless otherwise indicated, they do not indicate the means or method of construction. The contractor is solely responsible for the protection of the structure during all phases of demolition, construction and installation. Provide all measures necessary to protect the structure, workmen or other persons by means of shoring, bracing, etc.
- Cross reference all dimensions and details with architectural before commencing any fabrication and/or construction.
- Details and conditions not specifically shown shall be constructed in accordance with details shown for similar conditions and materials.
- Shop drawings prepared by suppliers, sub-contractors, etc. shall be reviewed, coordinated and signed/stamped by general contractor prior to submitting to the engineer.
- Contractor is solely responsible for protection of existing building during all phases of construction.

DESIGN CRITERIA LOADS AND STRESSES:**CODES:**

- International Building Code (2006) with State of Minnesota Amendments.

LATERAL LOADS:

Wind: Basic Wind Speed = 90 mph (3-Second Gust); Exposure = "B",
Importance Factor, $I_W = 1.0$

SNOW LOADS:

Ground Snow Load, $P_g = 50$ PSF
Snow Exposure Factor, $C_e = 1.00$
Snow Load Importance Factor, $I_s = 1.0$
Thermal Factor, $C_t = 1.2$

DEAD LOADS:

20 PSF Steel floor system

LIVE LOADS:

100 PSF Floor System

STEEL: (fy)

50,000 PSI ASTM A992 (W-shapes)
36,000 PSI ASTM A36 plates and angles, etc.
46,000 PSI ASTM A500 grade B structural tubes (HSS)
42,000 PSI ASTM A325 high strength bolts

TEMPORARY BRACING:

- Provide temporary shoring for all existing walls, floors and roof members until new construction is in place and properly anchored or cured in final form.

GENERAL STEEL NOTES:

- Construction of structural steel shall comply with all the requirements of the "Manual of Steel Construction" by the AISC, 13th Edition.
- All shop connections shall be welded or bolted. Field connections shall be bolted. Bolted connections shall be Bearing Type (snug-tightened) and shall be made with a minimum of 3/4" diameter ASTM A325-N Bolts. Direct-Tension Indicators are acceptable substitutions.
- All welds as per latest specifications of the AWS E70xx electrodes.
- Before encasing steel columns in concrete or masonry, paint column bases and tops of anchor bolts with asphaltic paint.
- All steel beams shall be true to line and elevation, column base plates grouted and anchor bolts tight before any loads are placed.
- All column base and cap plates to be welded around all sides.
- All welds not specified are 3/16" fillet weld, continuous and/or all around.
- Structural fabricators shall show all field welding requirements on shop drawings.
- Fabricator shall select AISC simple shear connections for steel beams capable of carrying either the reaction load indicated or the reaction load calculated and based on tributary area or at a minimum 50% of the total shear capacity.
- Erect and maintain temporary bracing to ensure the alignment and stability of the structure during erection until permanent connections have been completed.
- Cuts, holes (openings), etc., required in structural steel members for the work of other trades shall be shown on the shop drawings. Burning of holes and cuts in structural steel members in the field shall not be allowed, except by written permission from the engineer.

MASONRY/BRICK NOTES:

- All mortar in bearing shall be Type S.

METAL GRATING:

- Fabricator shall verify type and bar spacing with Architect prior to fabrication.
- Fabricator to verify that bar grating is capable of spanning from (structural) support to support with loads indicated in General Structural Notes.
- Metal grating shall be fastened to structural supports per manufacturer's recommendations. Four attachments per piece minimum.
- Bar grating shall be steel welded ASTM A1011A Type B.

INSPECTION & TESTING SCHEDULE

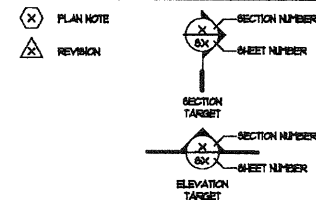
MATERIAL	SPECIFICATION	FREQUENCY	AGENCY	FREQUENCY OF REPORT	DESCRIPTION
High Strength Bolting	051200	Periodic	Testing Agent	Work is done	1704.3
Welding Structural Steel	051200	Periodic	Testing Agent	Work is done	1704.3

STRUCTURAL STEEL:

- Observe high strength bolting.
- Observe field welding.
- Observe installation of mechanical anchorage devices.
- See Sections 051200 for additional requirements.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

[Signature]
Date: 5-14-13 Reg. No. 42432

DRAWING SYMBOL LEGEND:**STRUCTURAL SHEET INDEX**

- 01.0 GENERAL NOTES
02.0 PLATFORM FRAMING PLAN AND SECTION
03.0 SECTIONS
04.0 SECTIONS
05.0 SECTIONS

CLARK
ENGINEERING CORPORATION

SHEET
NUMBER

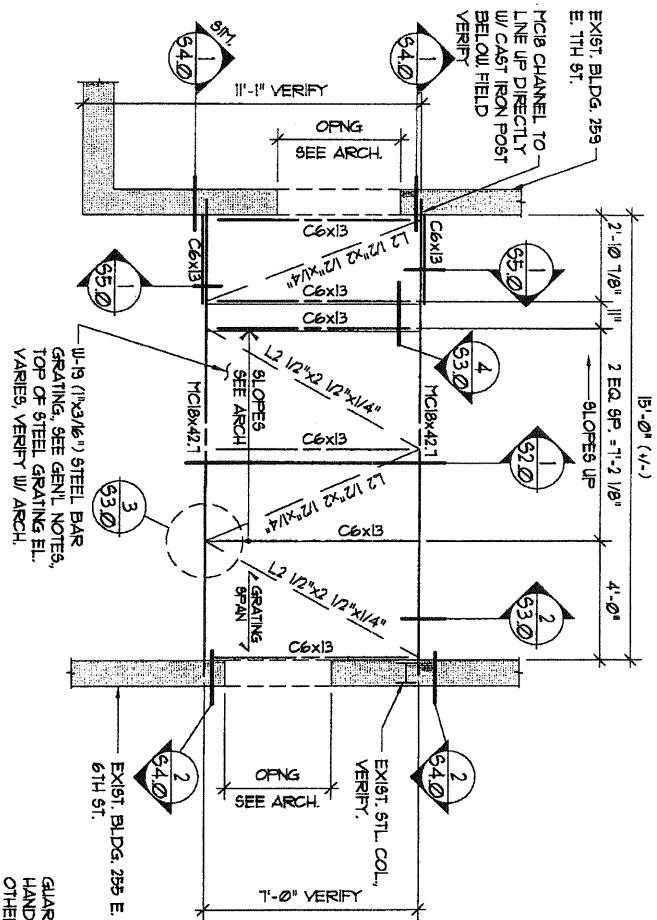
01.0
OF 5 SHEETS

255 EAST 6TH STREET
GRAND STAIRS AND SKYWAY

DATE 05-14-13

DRAWN ORF

DESIGN TGL, MM, SS



SKYWAY PLATFORM FRAMING PLAN

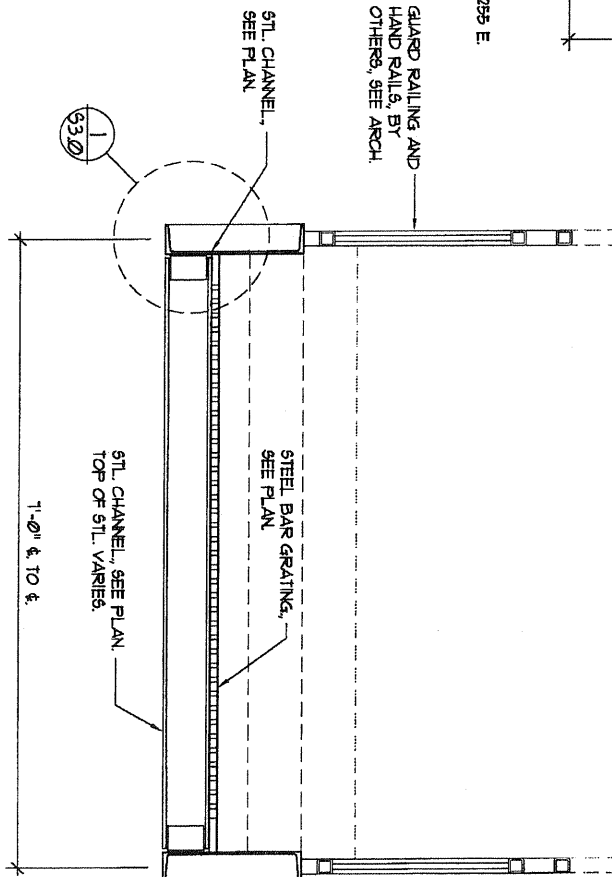
$$1/4'' = 1'-0''$$

GENERAL PLAN NOTES:

- 1) VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCH DRAWINGS
- 2) DO NOT SCALE DRAWINGS.
- 3) ALL CONDITIONS / DIMENSIONS SHOWN ARE TO BE VERIFIED PRIOR TO FABRICATION / CONSTRUCTION, VERIFY CONDITIONS AND DIMENSIONS WITH ARCHITECTURAL PLANS, NOTIFY CLARK ENGINEERING IN WRITING OF ANY DISCREPANCIES.
- 4) ALL STRUCTURAL MATERIAL TO BE GALVANIZED OR PAINTED PER OWNER SPEC. LEFT W/ PRIMER ONLY SHALL NOT BE EXPOSED TO WEATHER
- 5) CONTRACTOR AND FABRICATOR SHALL VERIFY EXIST. FINISHED FLOOR EL. OF BOTH BLDGS. PRIOR TO CONSTRUCTION AND FABRICATION.



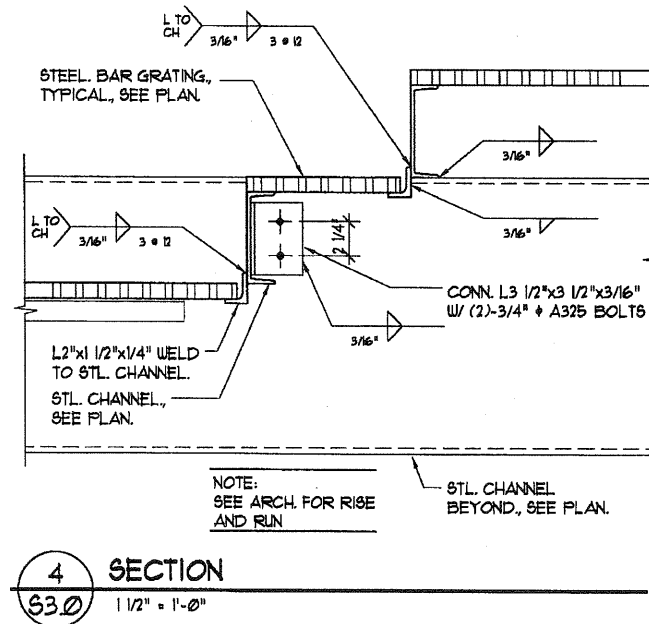
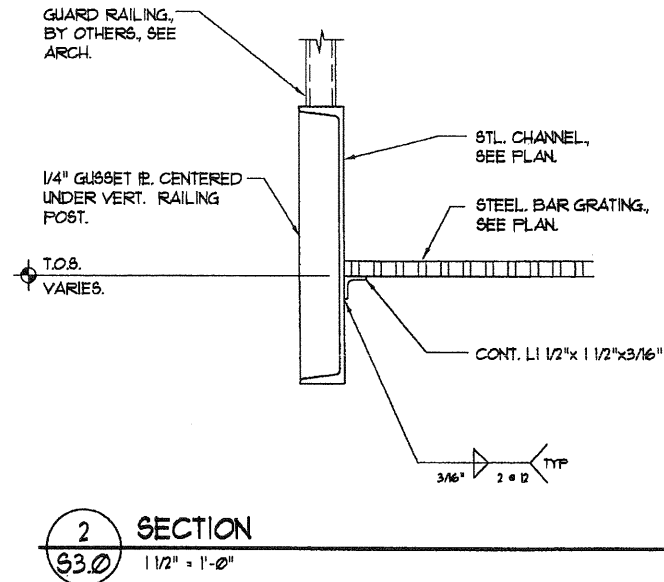
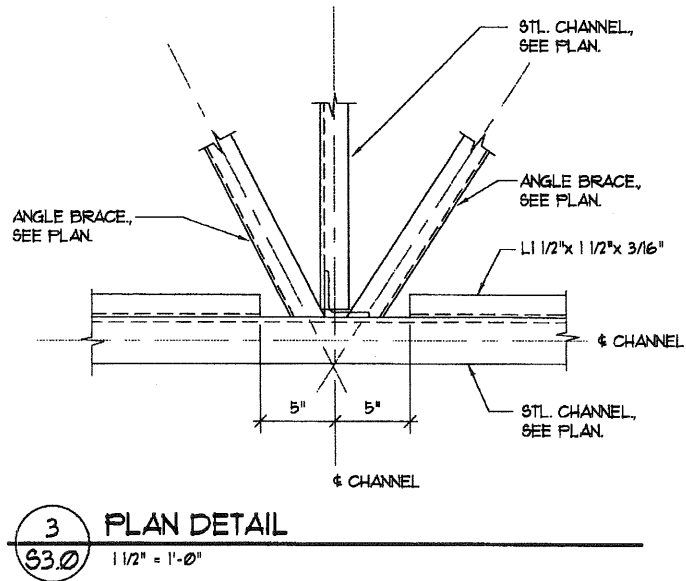
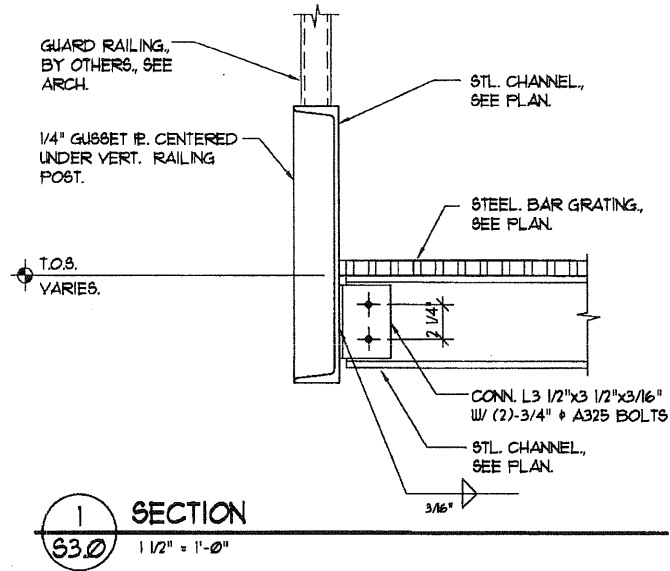
SKYWAY SECTION

 $3/4" = 1'-0"$ 

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Date 5-14-13 Reg. No. 42432

DATE 05-14-13	255 EAST 6TH STREET	SHEET NUMBER	
DRAWN ORF	GRAND STAIRS AND SKYWAY	S2.0	
DESIGN TGL, MM, GS		OF 5 SHEETS	



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John J. Clark

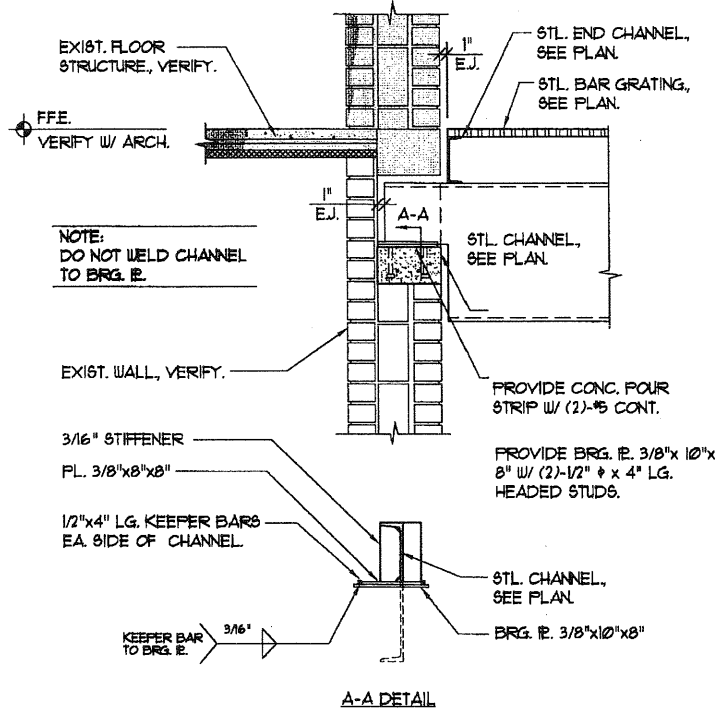
Date: 5-14-13 Reg. No. 42432

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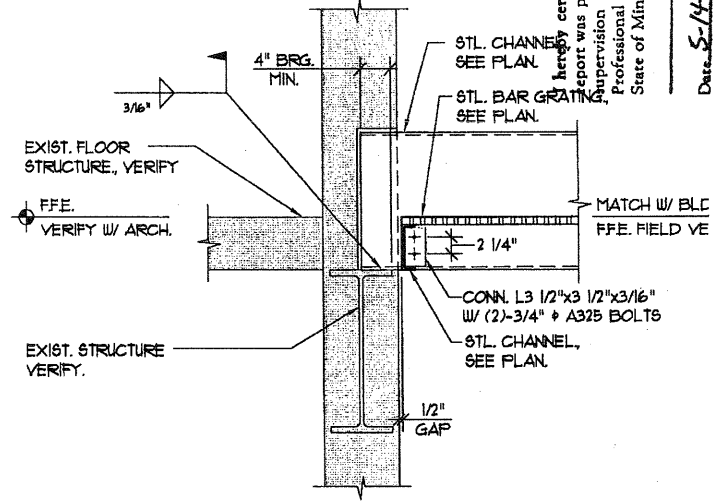
SHEET NUMBER
S3.0
OF 5 SHEETS

255 EAST 6TH STREET
GRAND STAIRS AND SKYWAY

DATE: 05-14-13
DRAWN: OFF
DESIGN: TGL, M1, SS
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1 SECTION
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"

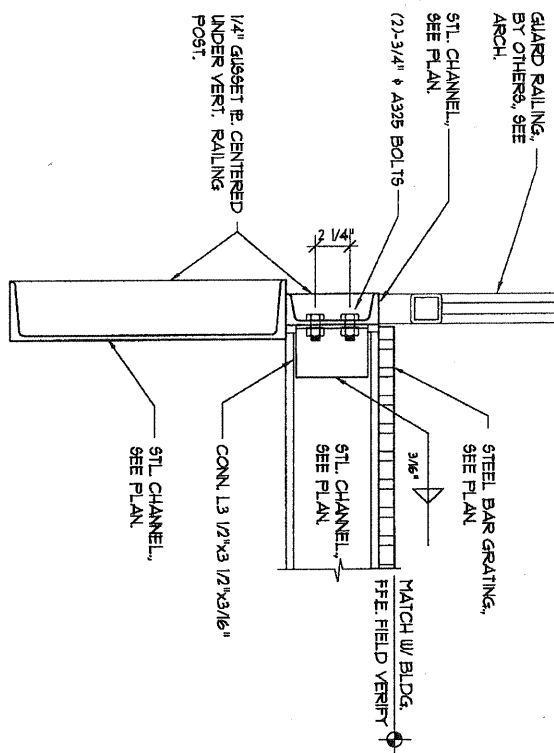
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[Signature]

Date: 5-14-13 Reg. No. 42832

<p>CLARK ENGINEERING CORPORATION</p>	
<p>SHEET NUMBER 34.0 OF 5 SHEETS</p>	<p>255 EAST 6TH STREET GRAND STAIRS AND SKYWAY</p>
<p>DATE: 05-14-13 DRAWN: CRF DESIGN: TGL, MM, SS</p>	<p>919655</p>

SECTION
3' = 1'-0"



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Date 5-14-13 Reg. No. 42432

DATE
05-14-13
DRAWN
ORF
DESIGN
TGL, M.M. SS

255 EAST 6TH STREET
GRAND STAIRS AND SKYWAY

SHEET
NUMBER
65.0
OF 5 SHEETS
613655

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