

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH AN STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH AN STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1515 MARSH AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUBBS ROE ARCHITECTS
322 FIRST AVE. N. SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H.E. ENGINEERS, P.C.
1025 WEST 43RD AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
3700 WEST DR., SUITE 150, DALLAS, TX 75201

CIVIL ENGINEER
EVS, P.C.
10200 VALLEY VIEW, SUITE 120, EDEEN PROPR, MN 55504

LANDSCAPE ARCHITECT
OSLAND AND ASSOCIATES
110 WASHINGTON DRIVE, E., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION DIMENSION
1000 WASHINGTON DRIVE, AUSTIN, TX 78701

PLUMBING
4101 SPRING VALLEY RD, DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8205 PEARL CREEK, SUITE 300, OVERLAND PARK, KS 66209

FOOD SERVICE
ROCK MOUNTAIN
5325 SOUTH VALENTIA, GREENWOOD VIL, CO 80111

LIGHTING CONSULTANT
THORNTON TOMASETTI
1425 DUTCH VALLEY PL., C/O D. ATLANTA, GA 30321

WAYFINDING
ROBERT FORD AND DESIGN
412 CLAYTON RD., PLAZA DEL REY, CA 90233

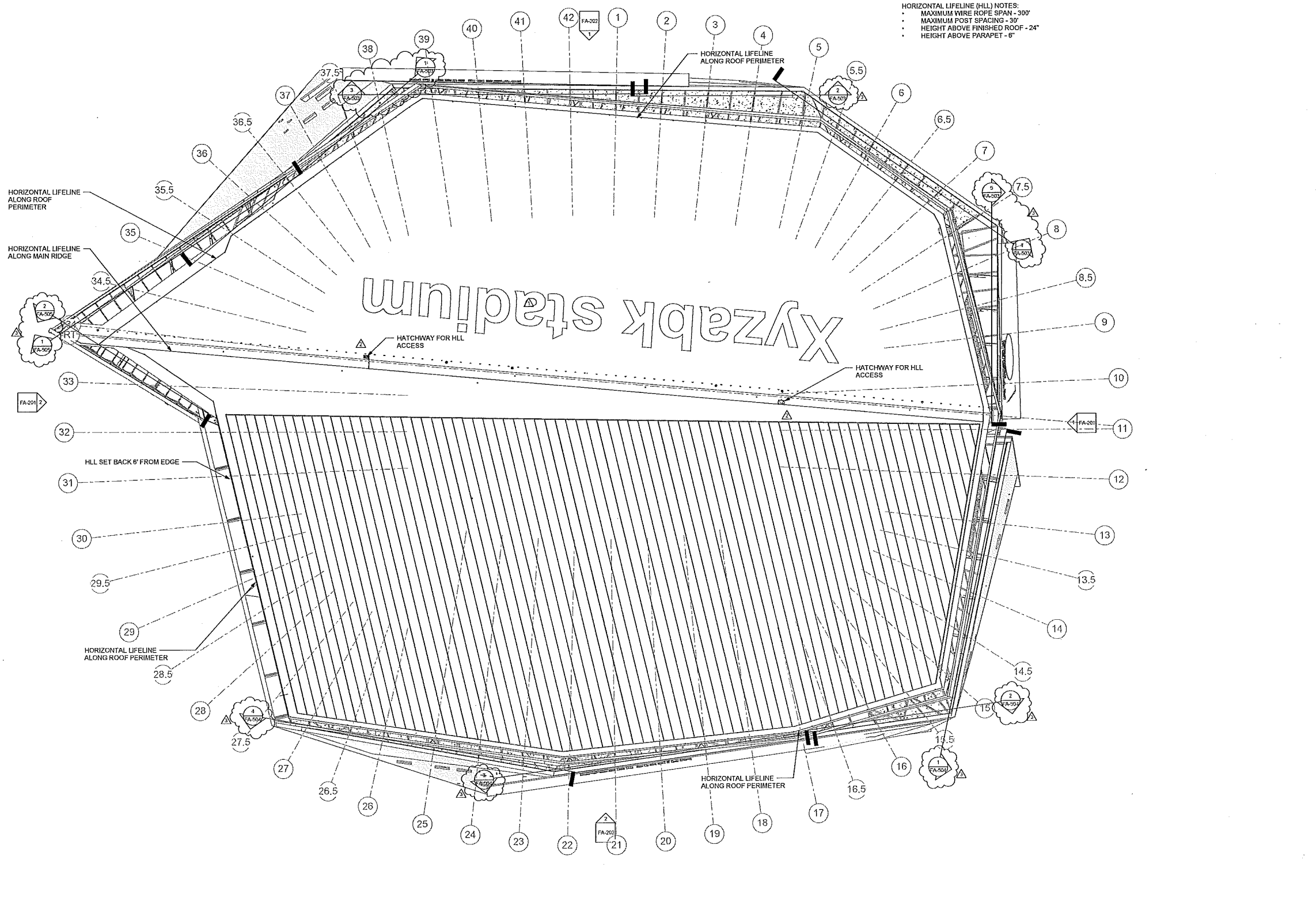
VERTICAL TRANSPORTATION
ELEVATOR DESIGN GROUP
11820 PENNSYLVANIA, SAINT PAUL, MN 55124

ADA CONSULTANT
ED MONTGOMERY CONSULTING, LLC
2580 WISSON BELLEVUE, LOUISBOURG, KS 66003

WIND / SNOW CONSULTANT
RODNEY WILLIAMS DAVIS AND PARTNERS, INC.
600 WOODLAWN RD., W. ORLANDO, FL 32809

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
330 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

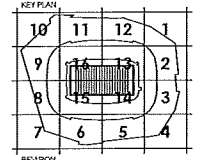
FAÇADE ACCESS CONSULTANT
LEIGH BAKER, INC.
828 LINCOLN ST., SUITE 105, LITTLETON, CO 80122



HORIZONTAL LIFELINE (HLL) NOTES:

- MAXIMUM WIRE ROPE SPAN - 300'
- MAXIMUM POST SPACING - 30'
- HEIGHT ABOVE FINISHED ROOF - 24"
- HEIGHT ABOVE PARAPET - 6"

ROOF PLAN
1" = 40'-0"



REVISION	NO.	DESCRIPTION	DATE
	1	ISSUED	04/02/2014
	2	ADD	03/10/2014
	3	DELETE	03/23/2014

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ROOF PLAN

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
500 SOUTH WISCONSIN STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SOFTBALL LLC
600 WEST 4TH STREET, MINNEAPOLIS, MN 55404

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
375 RANNEY AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N. SUITE 500, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS, P.C.
1055 WEST ANKLADE, WHEAT RIDGE, CO 80203

STRUCTURAL ENGINEER
THEYNON TOMASETTI
12700 NORTH DR. SUITE 750, DALLAS, TX 75241

CIVIL ENGINEER
EVS, INC.
10250 VALLEY VIEW, SUITE 121, EDEN PRARIE, MN 55424

LANDSCAPE ARCHITECT
OSLAND AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACOUSITIC ENGINEERS
10550 VIKING BROOKS DR., ADDICKS, TX 75001

W&M
4551 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8225 FLEMING CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
BECK & BARNER
5229 SOUTH VALENTIA, GREENWOOD VLG., CO 80111

LIGHTING CONSULTANT
PWC
1025 DUTCH VALLEY PL., C & D, ATLANTA, GA 30324

WAYFINDING
S&B SIGN SYSTEMS DESIGN
432 OLIVER BLVD., PLAZA DEL REY, CA 90293

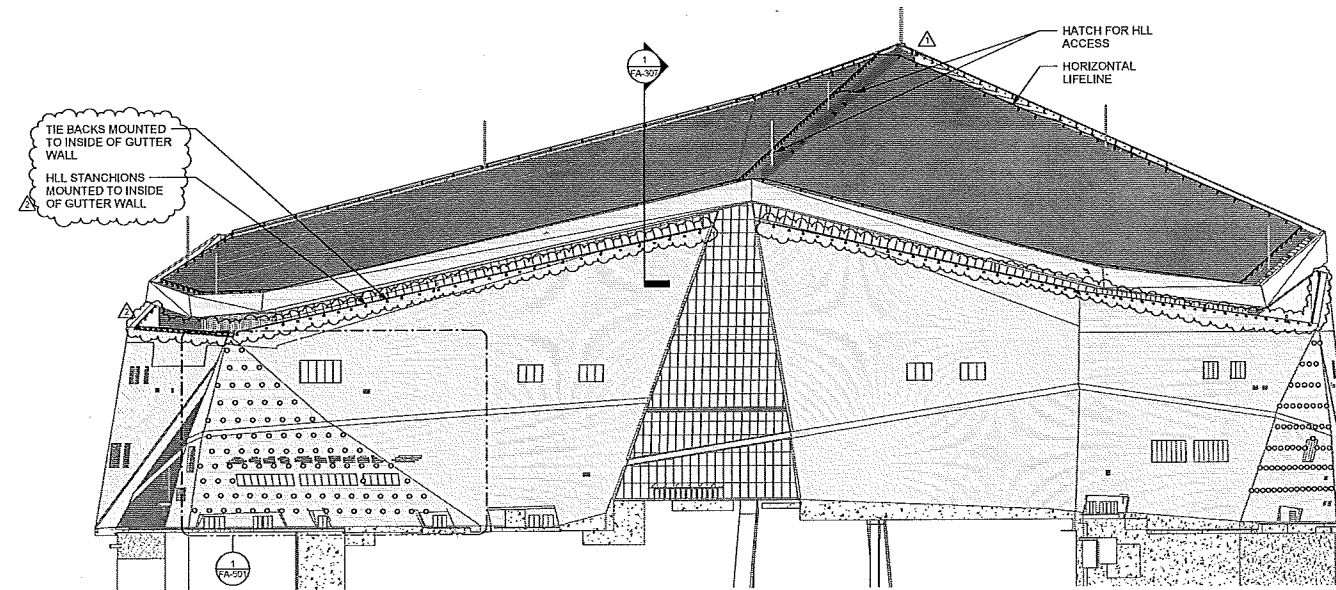
VERTICAL TRANSPORTATION
ELEVATOR TECHNOLOGY GROUP
1810 PENROCK AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
ED HECHTER CONSULTING LLC
2590 MISSION BELLEVUE, COLUMBUS, MS 39203

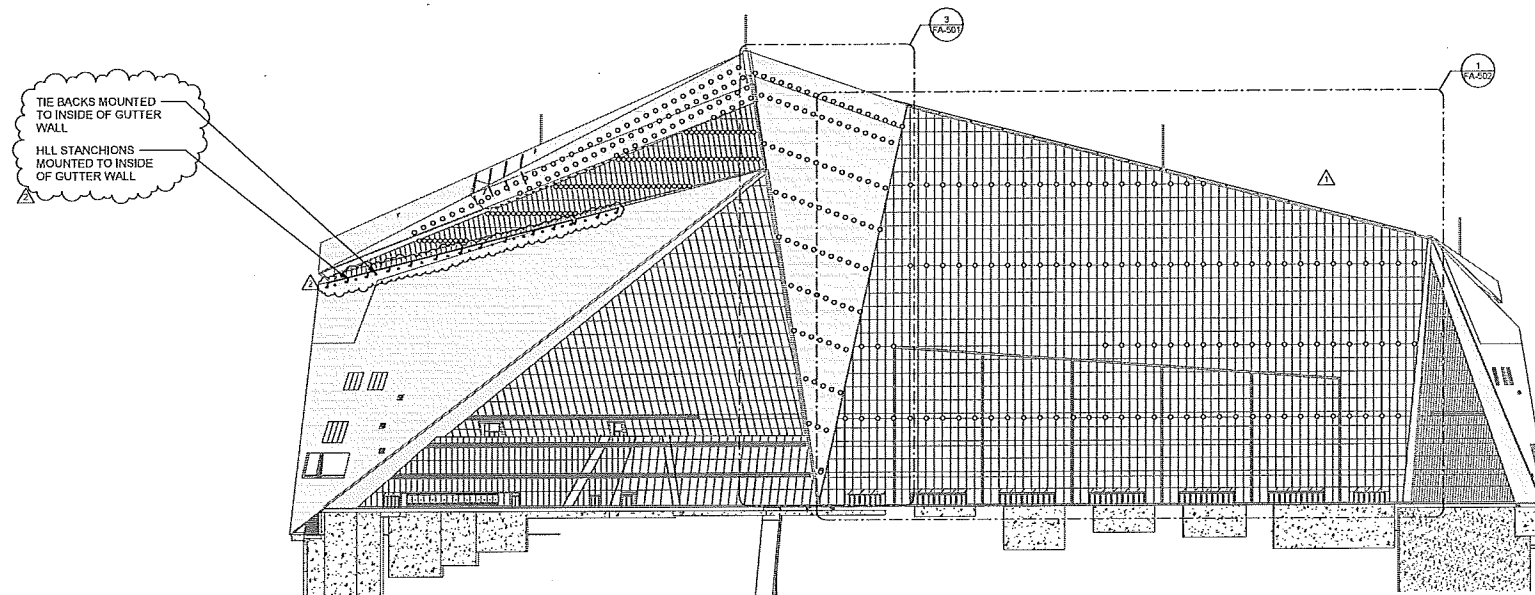
WIND / SNOW CONSULTANT
RICHARD WELLS AND ASSOCIATES
650 WOODLAND RD., W. GUELPH, ONTARIO CANADA N1K 1B1

BUILDING ENVELOPE CONSULTANT
THEYNON TOMASETTI - BUILDING ENVELOPE DIVISION
330 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

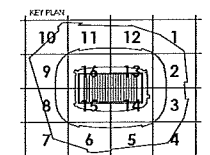
FACADE ACCESS CONSULTANT
LEIGH SATES, INC.
859 LINCOLN ST., SUITE 100, LITTLETON, CO 80122



1 EAST ELEVATION
1" = 40'-0"



2 WEST ELEVATION
1" = 40'-0"



REVISION	NO.	DESCRIPTION	DATE
1	CCD-049	ISSUED	
2	CCD-108	ISSUED	

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
EAST AND WEST ELEVATIONS

SHEET NO.
FA-201

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
500 SOUTH 9TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA VALLEY FOOTBALL, LLC
500 WINDYBUSH, EDEN PRAIRIE, MN 55534

ARCHITECT / INTERIORS / BRANDING
HKS INC
1919 BARKER AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE, N. SUITE 500, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS, P.C.
10095 WEST 43rd AVE., WHEAT RIDGE, CO 80233

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12250 MERIT DR., SUITE 150, LB-7, DALLAS, TX 75251

CIVIL ENGINEER
CIS, P.C.
2025 VALLEY VIEW, SUITE 125, EDEN PRAIRIE, MN 55534

LANDSCAPE ARCHITECT
GRAND AND ASSOCIATES
115 WASHINGTON AVE, N. MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACUSTIC ENGINEERS
1000 WRIGHT ARCHERDALE DR., AUSTIN, TX 78701

VP&P
4321 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F&C, P.C.
10221 CAMDEN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
FOUCA HE/WARDE
8420 SOUTH VALLEYVIEW, GREENWOOD VLG, CO 80111

LIGHTING CONSULTANT
PHOTO
1025 BOSTON VALLEY PL., C & D, ATLANTA, GA 30328

WAYFINDING
SELECT PERFORM DESIGN
432 CALVERT RD., PLAINFIELD, NJ, CA 80233

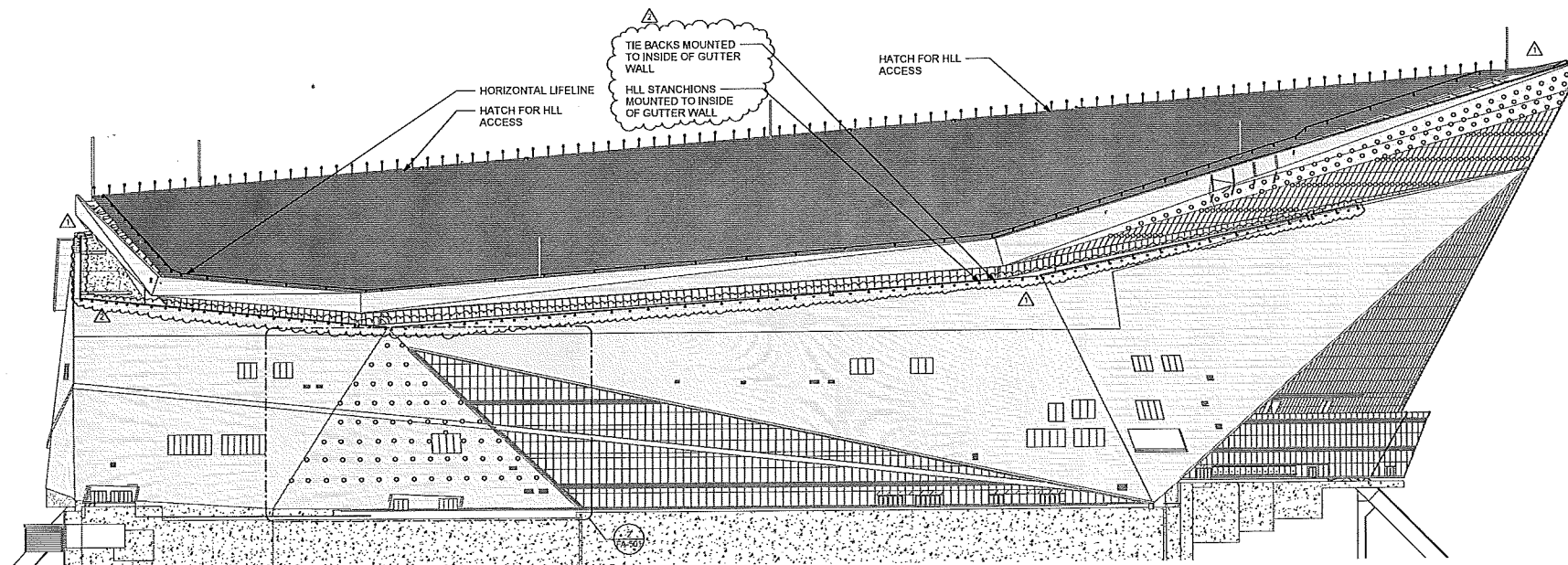
VERTICAL TRANSPORTATION
ELEVATOR ADJUSION GROUP
1630 PENNSYLVANIA, SHERATON FRANK, MN 55412

ADA CONSULTANT
ED ROTHER CONSULTING LLC
2010 HANSON BUILDBY, WILBURING, KS 66503

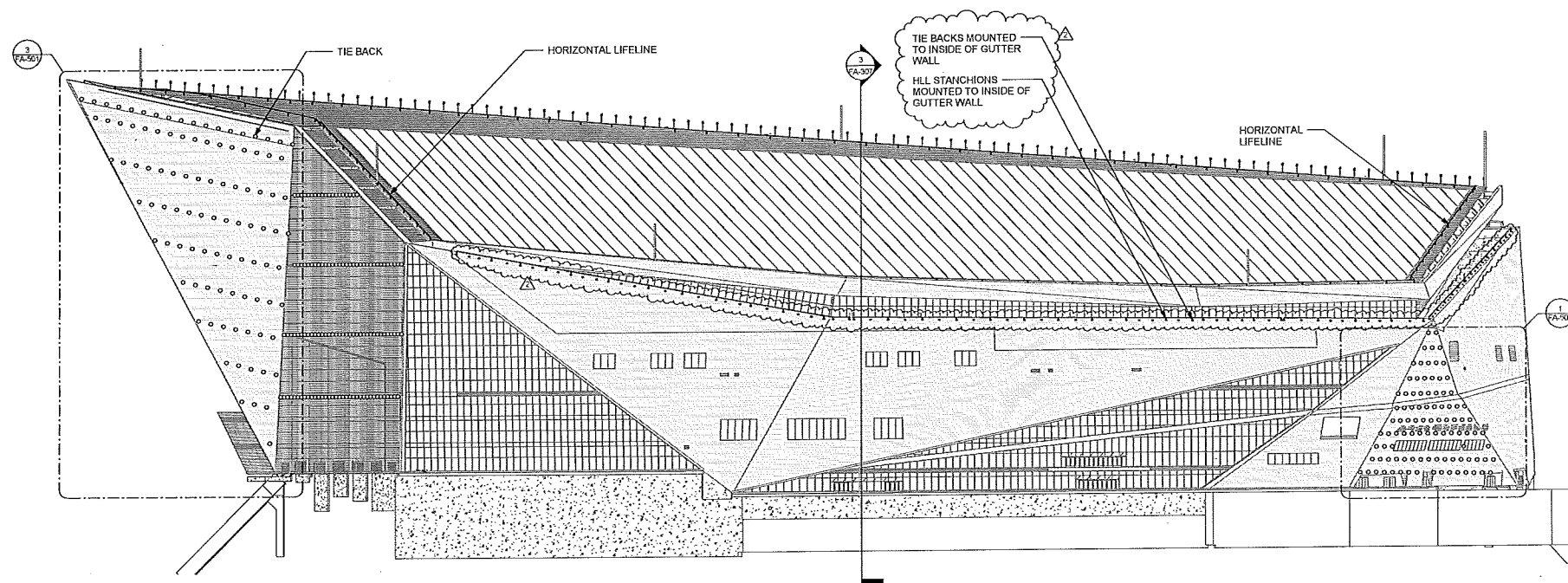
WIND / SNOW CONSULTANT
ROYAL, YALOWAN, DAVIES AND FOLEY, INC.
650 WOODBURN RD., OSHTON, ON CANADA L1K 1B3

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING PERFORMANCE
302 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

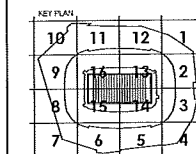
FAÇADE ACCESS CONSULTANT
LEIGH BATES, INC.
809 LEXINGTON ST., SUITE 100, LITTLETON, CO 80120



1 NORTH ELEVATION
1" = 40'-0"



2 SOUTH ELEVATION
1" = 40'-0"



REVISION NO.	DESCRIPTION	DATE
1	CCCD-049	05/02/2014
2	CCCD-102	01/23/2015

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
NORTH AND SOUTH ELEVATIONS

SHEET NO.
FA-202

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA Vikings FOOTBALL, LLC
900 WYCK OFFICE BUILDING, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1939 MARSHY AVE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE, SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H.E. ENGINEERS, P.C.
1025 WEST BRIDGE, VALENTI, CO 80703

STRUCTURAL ENGINEER
THORNTON TOMASETTI
1219 WEST DR., SUITE 750, DALLAS, TX 75201

CIVIL ENGINEER
EVS, INC.
10250 VALLEY VIEW, SUITE 123, EDEN PRAGER, MN 55044

LANDSCAPE ARCHITECT
OSLUND AND ASSOCIATES
110 WASHINGTON AVE., MINNEAPOLIS, MN 55403

AUDIO VISUAL CONSULTANTS
ACQUISITION SERVICES
1025 WEST BRIDGE, VALENTI, TX 75001

V.I.B.Y.
4551 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8225 FLEMING CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
BOCA RESTAURANT
5125 SOUTH VALENTI, GREENWOOD VLG., CO 80111

LIGHTING CONSULTANT
PHC
1425 DUTCH VALLEY PL., C & D, ATLANTA, GA 30324

WAYFINDING
SIGNPOST DESIGN
475 OLIVER BLVD., PLATEAU DEL REY, CA 90293

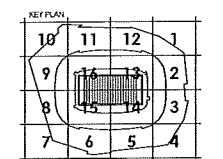
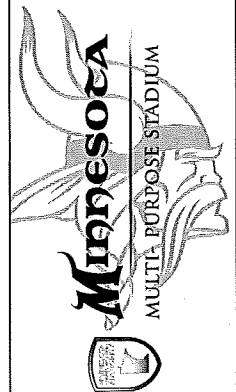
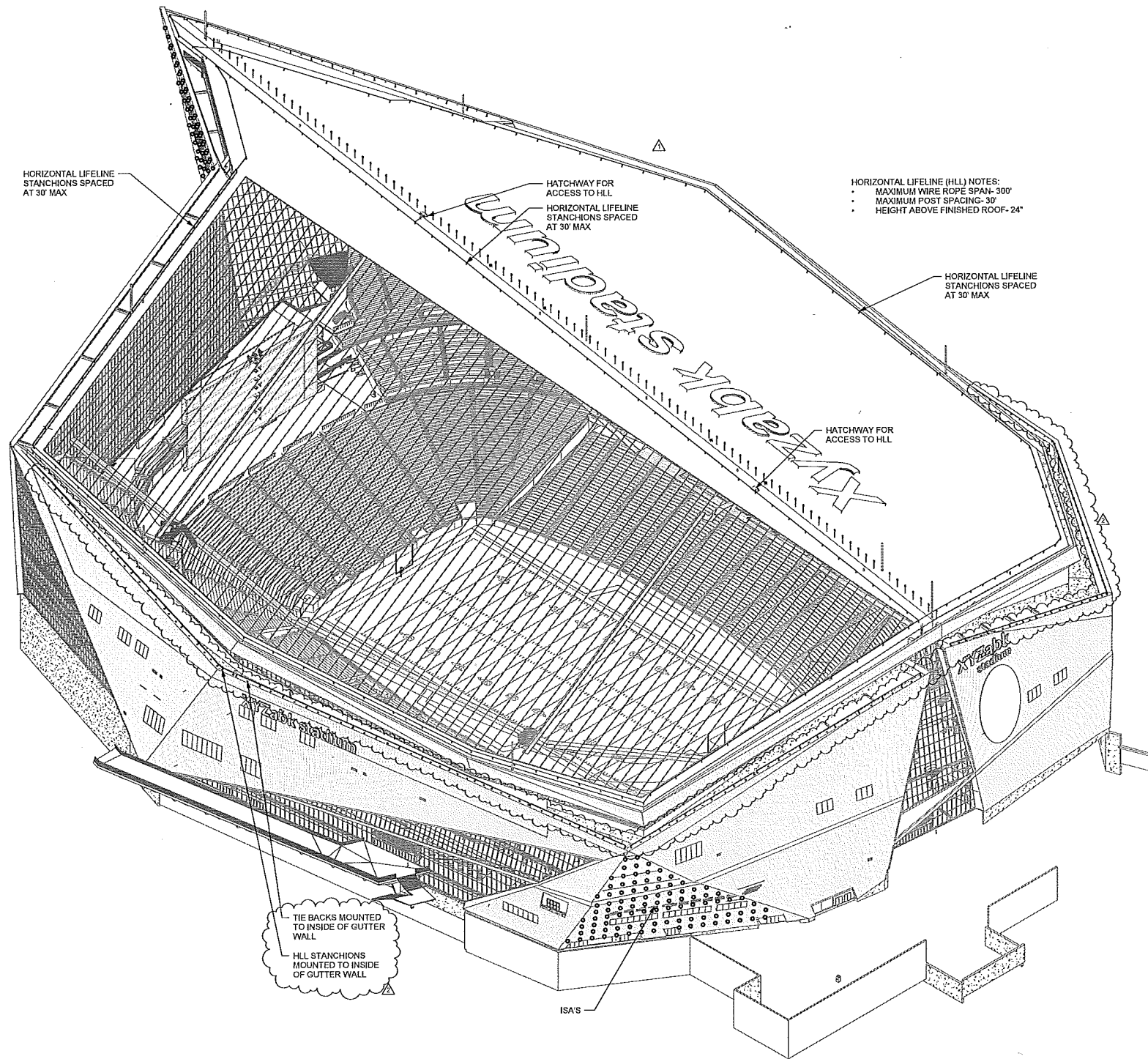
VERTICAL TRANSPORTATION
ELEVATOR AND ESCALATOR SPECIALISTS
1810 PENN COOK AVE., SAINT PAUL, MN 55104

ADA CONSULTANT
ED ROCHNER CONSULTING, LLC
2590 MISSOURY BELLEVUE, LOCKSBURG, KS 66223

WIND / SNOW CONSULTANT
ROTHMAN CONSULTANTS, INC.
600 WOODLAND PARK, WY, GUELPH, ON CANADA N1K 1B8

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE DIVISION
330 N. WADSWORTH, PLATE 1900, CHICAGO, IL 60611

FACADE ACCESS CONSULTANT
LEIGH BATES, INC.
8599 LINCOLN ST., SUITE 100, LITTLETON, CO 80120



REVISION	NO.	DESCRIPTION	DATE
1	CCD-049		02/20/14
2	CCD-119		02/20/14

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ISOMETRIC FROM SOUTHEAST

SHEET NO.
FA-303

1 ISOMETRIC FROM SOUTHEAST

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 9TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA HOCKEY FOOTBALL, LLC
9000 LYNN DR., EDEN PRAIRIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1919 PARKWAY AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N. SUITE 800, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS, P.C.
10005 WEST 43RD AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MERID DR., SUITE 700, DALLAS, TX 75221

CIVIL ENGINEER
EVE, INC.
10200 VALLEY VIEW, SUITE 123, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
GOLDFELD AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISTO ENGINEERING
1956 VIKING BROOKS DR., ADDICKS, TX 75001

MECHANICAL
Y&H
4001 EFFING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F&C, P.C.
8200 PERRY CREEK, SUITE 200, OVERLAND PARK, KS 66210

FOOD SERVICE
P&CA MECHANICAL
6320 SOUTH VALLEYVIEW, GREENWOOD VLG, CO 80111

LIGHTING CONSULTANT
PHOTO
1401 BENTON VALLEY PL., C/O D. ATLANTA, GA 30324

WAYFINDING
SELECT PERCUS DESIGN
412 CALLE BLANCO, PLUMAS DEL REY, CA 90278

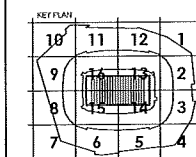
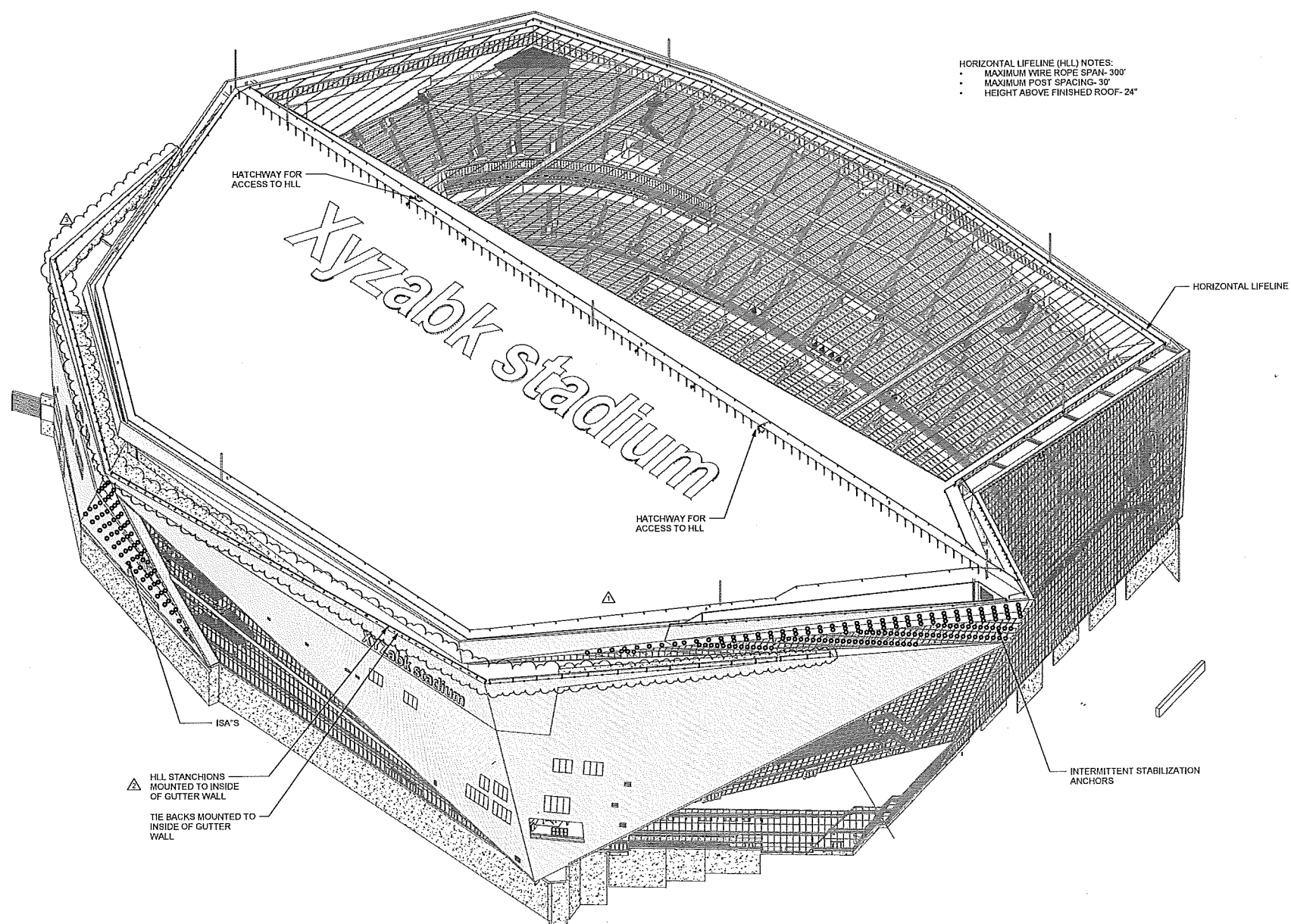
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1405 PERRYMAN AVE., SMITH FALLS, MN 55124

ADA CONSULTANT
ED RICHNER CONSULTING LLC
2000 RICHNER BELLEVUE, COLOMBUS, KS 65203

WIND / SNOW CONSULTANT
ROVANI, WILLIAMS, DAVIS, AND PERRY, INC.
801 WOODBURN BLVD., GLENVIEW, IL 60025

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
300 N. WASHINGTON AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEPPACH BATES, INC.
8500 ROCKY MOUNT, SUITE 100, LITTLETON, CO 80120



REVISION NO.	DESCRIPTION	DATE
1	ISSUED	05/20/2014
2	AS-BUILT	12/19/2014
3	REVISION	01/20/2015

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ISOMETRIC FROM NW

SHEET NO.
FA-304

1 ISOMETRIC FROM NORTHWEST

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
222 SOUTH 2ND STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPARKS FOOTBALL, LLC
800 VINCENNE DR., ELLEN HIRSH, MN 55344

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1818 MONROE AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 HENRY AVE., SUITE 800, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
ME ENGINEERS, P.C.
1000 WEST BANK AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THEORY FORASSETTI
1720 WISSETT DR., SUITE 100, DALLAS, TX 75201

CIVIL ENGINEER
EVS, INC.
1000 VALLEY VIEW, SUITE 123, EDEN PRAIRIE, MN 55534

LANDSCAPE ARCHITECT
OSLAND AND ASSOCIATES
110 WABASH AVENUE, SUITE 100, MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION ENGINEERS
1000 WOODSTOCK DR., ADDICKS, TX 75001

W/AV
4151 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8205 E. GUN CREEK, SUITE 300, OVERLAND PARK, KS 66202

FOOD SERVICE
DECA DELAWARE
5325 SOUTH VALLEY, GREENWOOD VILLAGE, CO 80111

LIGHTING CONSULTANT
PHC
1425 DUTCH VALLEY PL., C & D ATLANTA GA 30324

WAYFINDING
SELEST PAPER DESIGN
412 OLIVER BLVD., PLATA DEL REY, CA 90299

VERTICAL TRANSPORTATION
ELEVATOR ASSOCIATES
1400 PENNSYLVANIA AVE., SUITE 1000, WASHINGTON, DC 20004

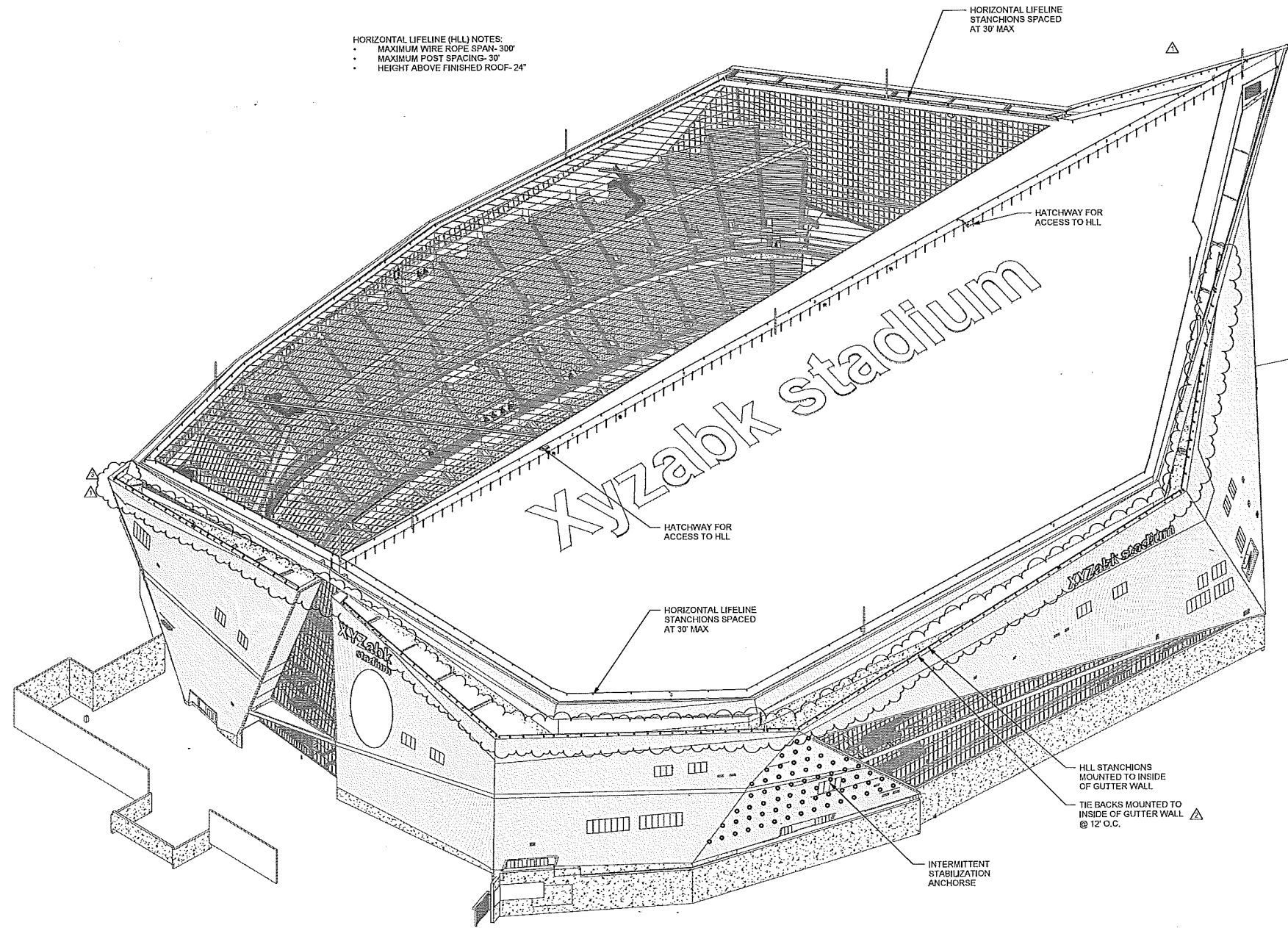
ADA CONSULTANT
EDUCATIONAL CONSULTANTS, LLC
2590 PALM SPRING BELLEVUE, LOUISBURG, KS 66203

WIND / SNOW CONSULTANT
ROSCON VENTURES, CIVIL AND ARCHITECTURAL
600 WOODLAWN RD. W., GUELPH, ON CANADA N1H 1B8

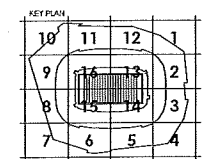
BUILDING ENVELOPE CONSULTANT
THEORY FORASSETTI - BUILDING ENVELOPE
337 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEIGH BATES, P.C.
663 LIFECORN ST., SUITE 100, LITTLETON, CO 80122

HORIZONTAL LIFELINE (HLL) NOTES:
 • MAXIMUM WIRE ROPE SPAN- 300'
 • MAXIMUM POST SPACING- 30'
 • HEIGHT ABOVE FINISHED ROOF- 24'



1 ISOMETRIC FROM NORTHEAST



REVISION NO.	DESCRIPTION	DATE
1	CCD-049	06/20/16
2	ADD-105	12/18/2016
3	CCD-170	02/28/2018

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ISOMETRIC FROM NE

SHEET NO.
FA-305

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA IMPULSE FOOTBALL, LLC
9000 WYKOS DR., EDEN PRAIRIE, MN 55344

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1919 RUSKENEY AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIOS FIVE ARCHITECTS
322 FIRST AVE, N. SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS, P.C.
10055 WEST 43rd AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12700 WEST DR., SUITE 150, DALLAS, TX 75201

CIVIL ENGINEER
EVA, P.C.
10050 VALLEY VIEW, SUITE 120, EDEN PRAIRIE, MN 55344

LANDSCAPE ARCHITECT
GULIARD AND ASSOCIATES
119 WASHINGTON AVENUE, N. MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION CONSULTANTS
1008 WRIGHT BROOKS DR., ADDICKS, TX 75001

VP/AV
4501 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, P.C.
1001 ELM STREET, SUITE 300, OVERLAND PARK, KS 66209

FOOD SERVICE
DODD KENYON
320 SOUTH VALLEYVIEW, GREENWOOD VLG., CO 80111

LIGHTING CONSULTANT
PHLOS
405 BUTCH VALLEY PL., C/O. ATLANTA, GA 30324

WAYFINDING
385 FORT PERRY DESIGN
437 COLLIER BLVD., PLAINFIELD, NJ, CA 08053

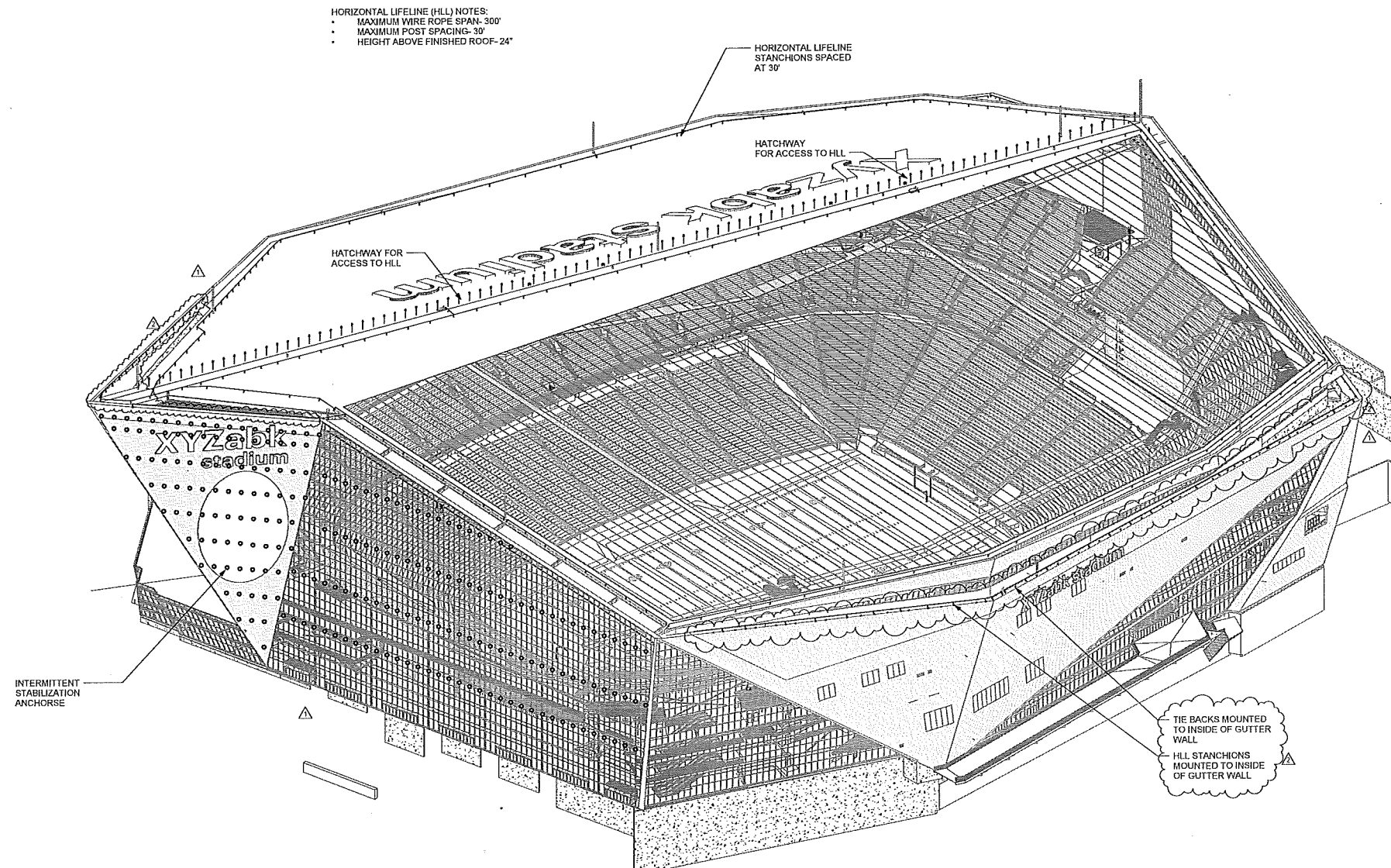
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1000 PENNSYLVANIA, SUITE 1000, CHICAGO, IL 60611

ADA CONSULTANT
ED ROEMER CONSULTING LLC
2000 WILSON BUILDBY, WILSONBURG, NC 27883

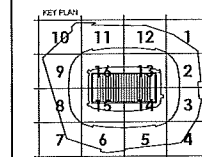
WIND / SNOW CONSULTANT
RODOLPH WILLIAMS DAVIES AND PARRA, P.C.
601 COLLEGE BLVD., EL PASO, TX 79901

BUILDING ENVELOPE CONSULTANT
THEORY GROUP ARCHITECTS - BUILDING FOR PRACTICE
3001 WILSON AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEIGH BATES, INC.
600 LINCOLN ST., SUITE 100, LITTLETON, CO 80120



1 ISOMETRIC FROM SOUTHWEST



NO.	DESCRIPTION	DATE
1	ISSUED	06/02/2014
2	REVISED	01/23/2015

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ISOMETRIC FROM SW

SHEET NO.
FA-306

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WIKERS FOOTBALL, LLC
9000 WYOMING DR., EDEEN PARK, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, P.C.
1915 MCKEE AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
303 FENT AVE., SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
M.E. ENGINEERS, P.C.
1025 WEST 43RD AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THEORON TOMASETTI
12750 HOPKIN DR., SUITE 100, DALLAS, TX 75241

CIVIL ENGINEER
EVS, P.C.
10250 VALLEY VIEW, SUITE 120, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
OSLIKOWSKI ASSOCIATES
110 PARK STATION AVE., N. MINNEAPOLIS, MN 55411

AUDIO VISUAL CONSULTANTS
ACOUSTIC DIMENSIONS
1558 WRIGHT BROTHERS DR., ADDICKS, TX 75001

W/WHY
4351 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F&F, INC.
8201 FRYAN CREEK, SUITE 200, OVERLAND PARK, KS 66210

FOOD SERVICE
RESCA DESIGN
5325 SOUTH VALLEYVIEW, GREENWOOD VLG., CO 80111

LIGHTING CONSULTANT
PM DC
1425 DUTCH VALLEY PL., C & D, ATLANTA, GA 30324

WAYFINDING
SILBERT PROFFER DESIGN
412 CLAYTON BLVD., PLAYA DEL REY, CA 90239

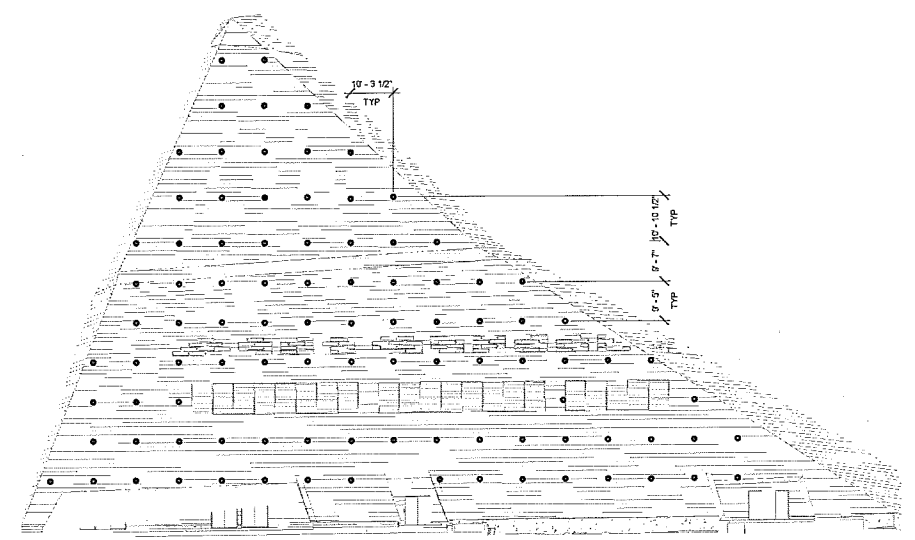
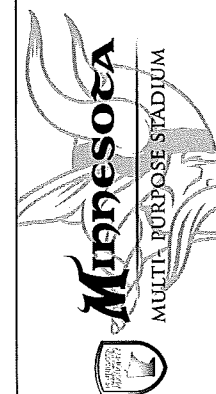
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
14500 PENNYCOCK AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
ED HECHTER CONSULTING, LLC
25600 MASSACHUSETTS, LOUISBURG, KS 66223

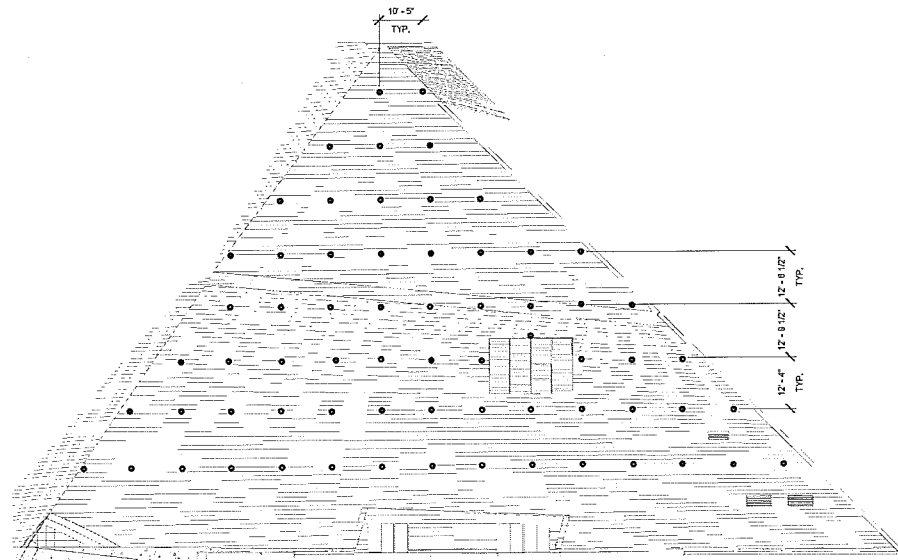
WIND / SNOW CONSULTANT
ROD VAN WILLEMING, DRIVERS ASSOCIATES, INC.
650 WOODLAWN RD. W., GALEPA, OH 44024

BUILDING ENVELOPE CONSULTANT
THEORON TOMASETTI - BUILDING ENVIRONMENT
330 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

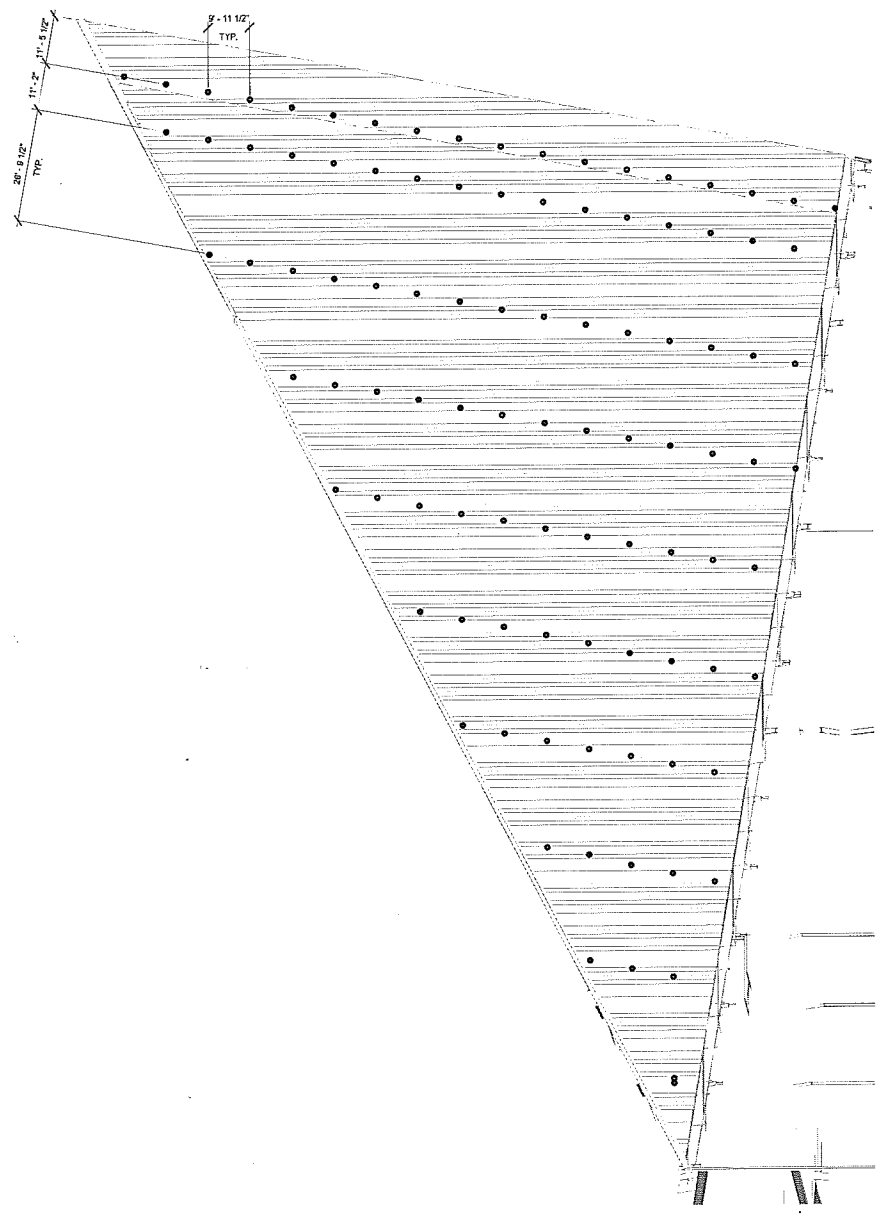
FACADE ACCESS CONSULTANT
LEITCH BATES, INC.
8893 LEICHTER ST., SUITE 100, LITTLETON, CO 80120



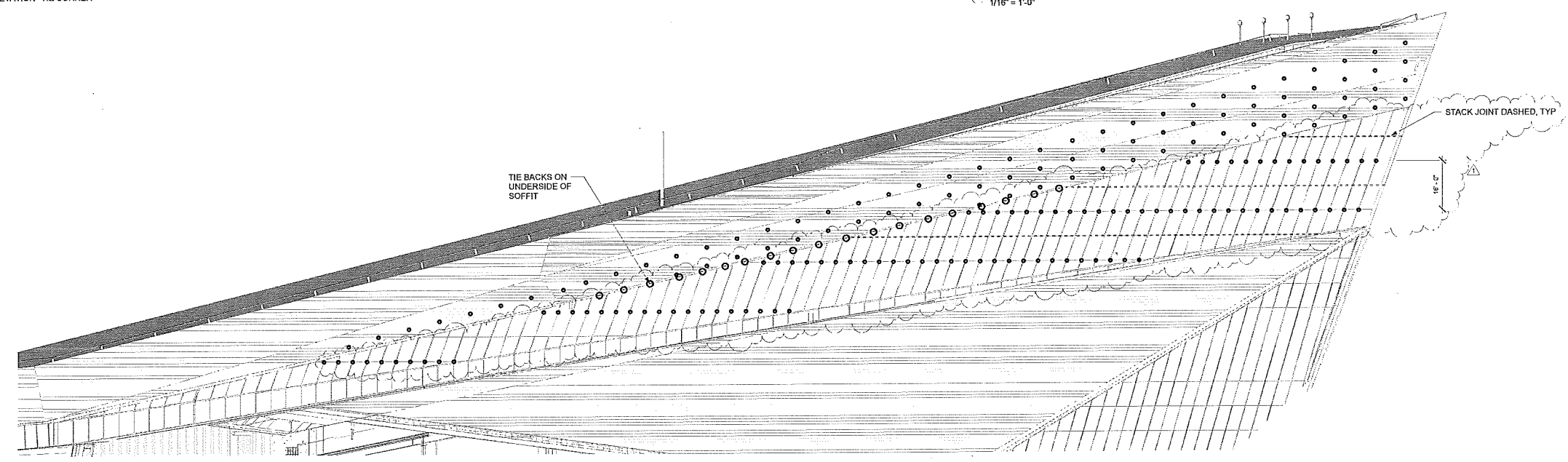
1 ENLARGED ELEVATION - SE CORNER
1/16" = 1'-0"



2 ENLARGED ELEVATION - NE CORNER
1/16" = 1'-0"



3 ENLARGED ELEVATION - WEST
1/16" = 1'-0"



4 ENLARGED ELEVATION - NW CORNER
1/16" = 1'-0"

KEY PLAN			
10	11	12	1
9	16	13	2
8	15	14	3
7	6	5	4

REVISION	NO.	DESCRIPTION	DATE
1	000-001	05/23/2015	

HKS PROJECT NUMBER
16246.000

DATE
MAY 2, 2014

FILE#
CCD-060

SHEET TITLE
**ENLARGED
FACADE
ELEVATIONS**

SHEET NO.
FA-501

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
305 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA MINNESOTA FOOTBALL, LLC
902 WISCONSIN STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1515 MONROE AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE., SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS, P.C.
1000 WEST 4TH AVENUE, WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THE PRINCIPAL ENGINEERS
1210 NORTH DALLAS STREET, DALLAS, TX 75201

CIVIL ENGINEER
EVS, INC.
10000 VALLEY VIEW, SUITE 100, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
CULLEN AND ASSOCIATES
110 WASHINGTON AVENUE, MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACUSTIC LENS ARCHITECTS
1505 HICKORY BROOK DR., ADDISON, TX 75001

MECHANICAL
4521 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F&E, INC.
6225 BIRCH CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
FOUCAUD GROUP
5125 SOUTH VALENTIA, GREENWOOD VIL., CO 80111

LIGHTING CONSULTANT
PH 50
1025 DUNN VALLEY PL., C & D, ATLANTA, GA 30324

WAYFINDING
SEASIDE FORD DESIGN
472 CLAYTON BLVD., PHILADELPHIA, PA 19123

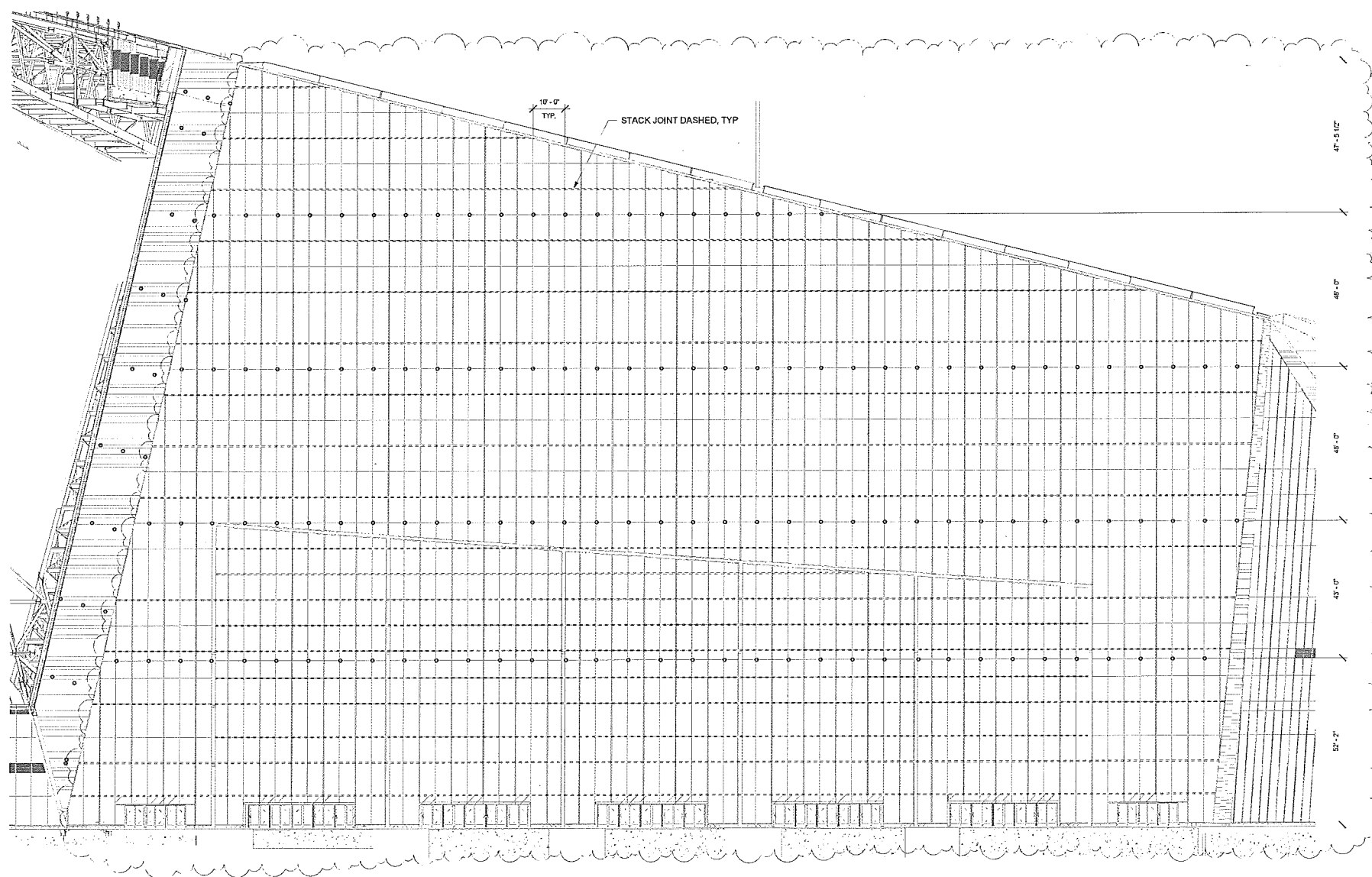
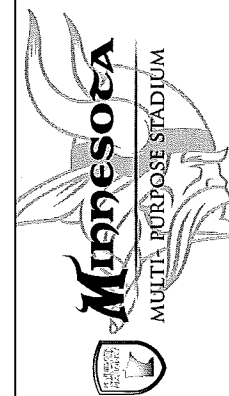
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1450 PENNACOCK AVE., SAINT PAUL, MN 55114

ADA CONSULTANT
ED RICHNER CONSULTING LLC
2590 MISSOURI BELLEVUE, LITTLE ROCK, AR 72203

WIND / SNOW CONSULTANT
ROTHMAN WILLIAMS DRIVERS ARCHITECTURE INC.
603 WOODLAND HILL RD., GALAPAL, ONTARIO, CANADA N1A 1B8

BUILDING ENVELOPE CONSULTANT
THE PRINCIPAL ENGINEERS - BUILDING ENVIRONMENT
330 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

FACADE ACCESS CONSULTANT
LEIGH BATES, P.C.
8603 LINCOLN ST., SUITE 100, LITTLETON, CO 80120



KEY PLAN

10	11	12	1
9	14	13	2
8	15	14	3
7	6	5	4

REVISION

NO.	DESCRIPTION	DATE
1	ISSUED	5/23/2015

HKS PROJECT NUMBER
16246.000

DATE
MAY 2, 2014

ISSUE
CCD-060

SHEET TITLE
**ENLARGED
FACADE
ELEVATIONS**

SHEET NO.
FA-502

Detail 14
1/16" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WINDSPORTS FOOTBALL, LLC
5501 WINDY DR., EDEN PRAIRIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS INC.
1919 PARKWAY AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO 318 ARCHITECTS
322 FIRST AVE. N. SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS P.C.
10005 WEST 43RD AVE., VAIL HAYSTACK, CO 80523

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MERIDIAN, SUITE 100, DALLAS, TX 75221

CIVIL ENGINEER
EVA INC.
10250 VALLEY VIEW, SUITE 123, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
G&G LANDSCAPE ARCHITECTS
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISTE ENGINEERING
1000 VIKING EARTHSHAKERS DR., AUSTIN, TX 78701

CODE / FIRE PROTECTION
F&S P.C.
8200 ROCKY HOLLOW, SUITE 200, OVERLAND PARK, KS 66210

FOOD SERVICE
FOUCAULT/MOORE
1400 ROCKY HOLLOW, GREENWOOD VILLAGE, CO 80111

LIGHTING CONSULTANT
PHOTO
1205 DUTCH VALLEY PL., C/O A.O. ATLANTA, GA 30324

WAYFINDING
SERBERT PERQUIS DESIGN
412 OLIVER BLVD., PLUMAS DEL REY, CA 90239

VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1400 ROCKY HOLLOW, SUITE 200, OVERLAND PARK, KS 66210

ADA CONSULTANT
ED ROETHE CONSULTING LLC
2000 MISSOURI KELLER WAY, COLEBURG, MS 38923

WIND / SNOW CONSULTANT
ROBIN WILLIAMS DESIGN AND REPAIR, INC.
60 WOODLAWN RD., WILSON, CHICAGO PARK, IL 60154

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING DIVISION
300 N. WISCONSIN AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEITCH BATES INC.
6033 DICKINSON ST., SUITE 100, LITTLETON, CO 80120

KEY PLAN

REVISION

NO. DESCRIPTION DATE

1 CCD-170 5/29/2015

HKS PROJECT NUMBER

16246.000

DATE

JANUARY 23, 2015

ISSUE

CCD-170

SHEET TITLE

ENLARGED

FAÇADE ACCESS

ELEVATIONS

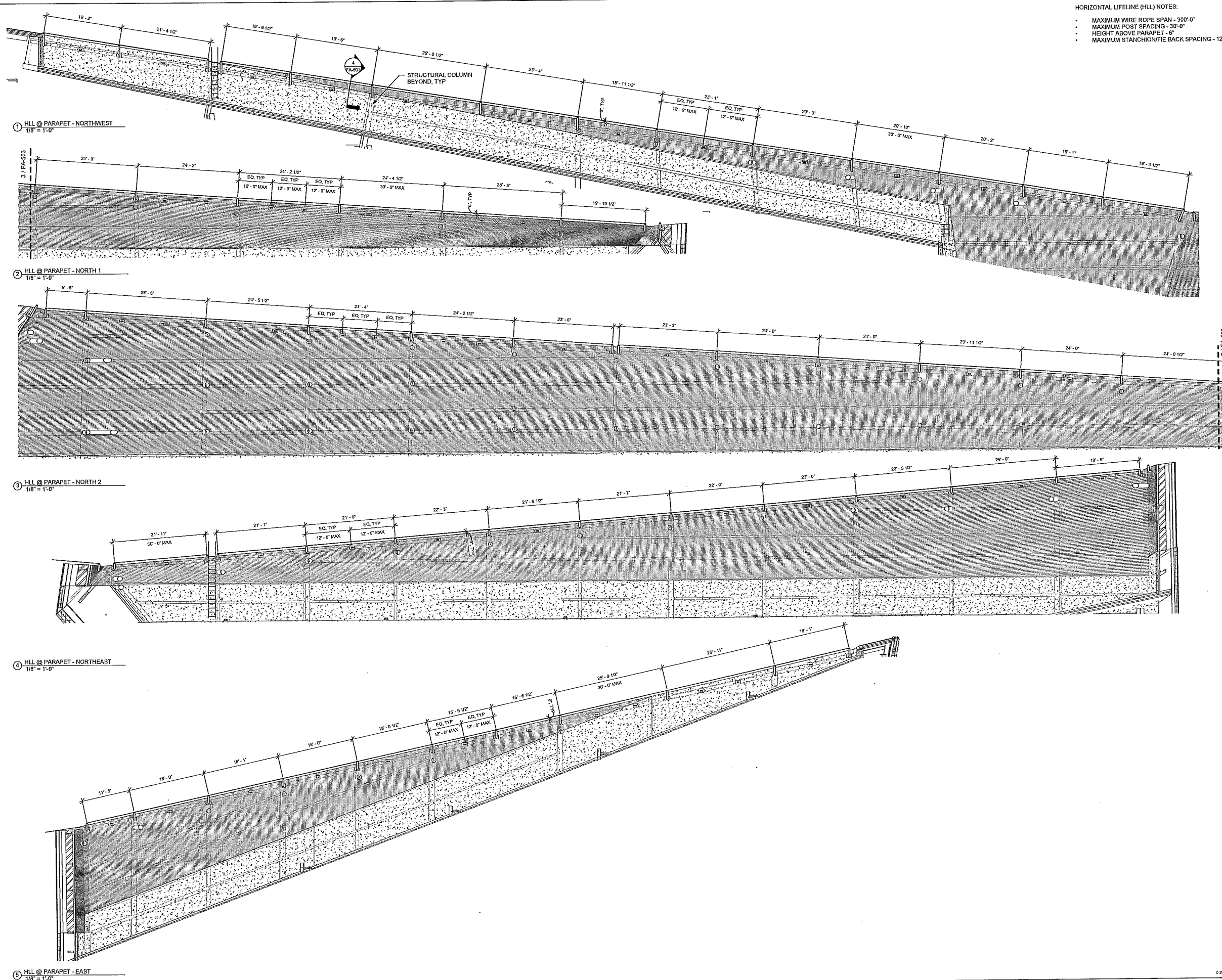
SHEET NO.

FA-503

© 2015 HKS, INC.

HORIZONTAL LIFELINE (HLL) NOTES:

- MAXIMUM WIRE ROPE SPAN - 30'-0"
- MAXIMUM POST SPACING - 30'-0"
- HEIGHT ABOVE PARAPET - 6"
- MAXIMUM STANCHION/TIE BACK SPACING - 12'-0"



PLANT DATE: 1/23/15
DESIGNED BY: JTB
TEMPORARY WORK

- HORIZONTAL LIFELINE (HLL) NOTES:**
- MAXIMUM WIRE ROPE SPAN - 300'-0"
 - MAXIMUM POST SPACING - 30'-0"
 - HEIGHT ABOVE PARAPET - 6"
 - MAXIMUM STANCHION/TIE BACK SPACING - 12'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
303 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WILDERS FOOTBALL, LLC
303 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1935 HOFFMEYER AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO PRK ASSOCIATES
303 HENRY AVENUE, SUITE 100, MINNEAPOLIS, MN 55415

MEP / TECHNOLOGY
H&E ENGINEERS P.C.
1038 WEST 43RD AVENUE, HENRY HOUSE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 WEST 13TH AVENUE, SUITE 170, DALLAS, TX 75244

CIVIL ENGINEER
EVS, P.C.
10300 VALLEY VIEW, SUITE 123, EDEN PRairie, MN 55424

LANDSCAPE ARCHITECT
OSLANDER ASSOCIATES
118 HANCOCK AVENUE, N. MINNEAPOLIS, MN 55411

AUDIO VISUAL CONSULTANTS
ACOUSTIC DIMENSIONS
1528 WISCONSIN AVENUE, AUSTIN, TX 78701

MECHANICAL ENGINEER
WSP | 4501 SPRING VALLEY ROAD, DALLAS, TX 75244

CODE / FIRE PROTECTION
F&B INC.
8208 KIMBLE CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
NICKA DESIGN GROUP
5520 SOUTH VALLEYVIEW, GREENWOOD VILLAGES, CO 80111

LIGHTING CONSULTANT
PH 32
1425 DUTCH VALLEY PL., C & D, ATLANTA, GA 30324

WAYFINDING
DESIGN PROFILES DESIGN
412 CLEVELAND BLVD., PLAZA DEL REY, CA 90230

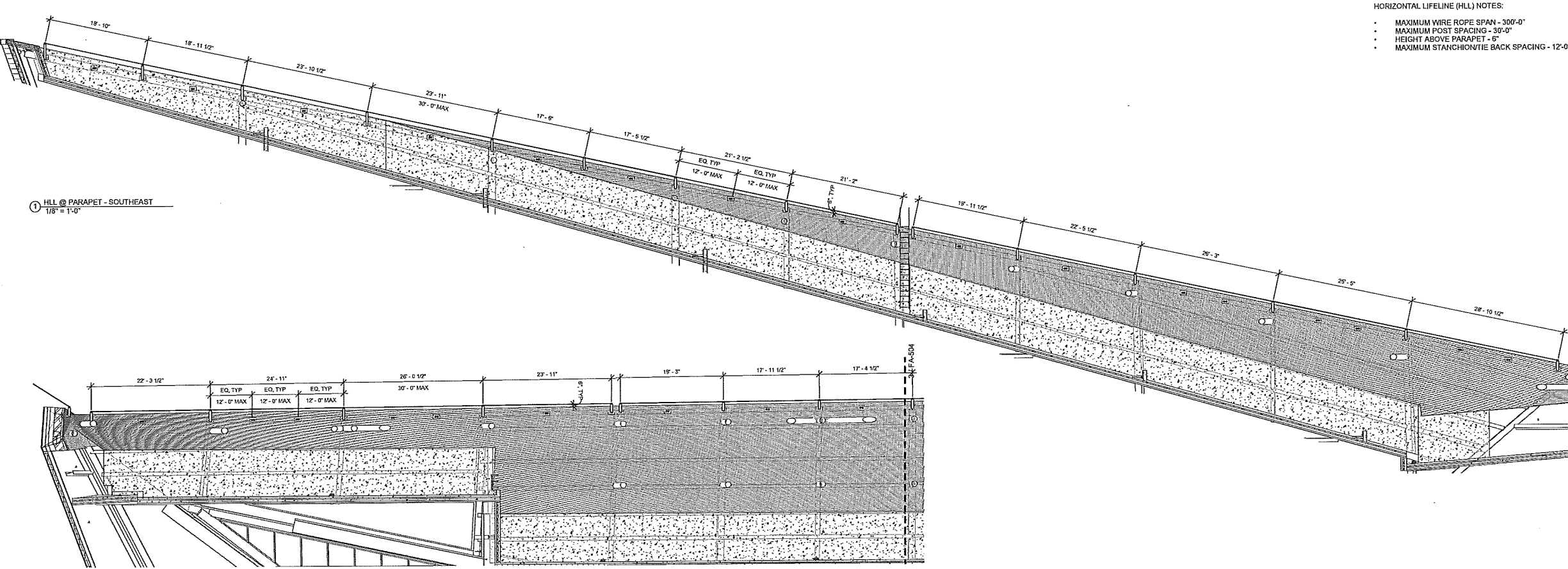
VERTICAL TRANSPORTATION
ELEVATOR ARCHITECTURE GROUP
1510 PENNYCOK AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
ED HEWNER CONSULTING LLC
2500 MISSOURI BELLEVUE, LOUISBURG, KS 66033

WIND / SNOW CONSULTANT
RODAN WILSON DRIVERS ARCHITECT INC.
600 WOODLAWN ROAD, SUITE 100, GARLAND, TX 75042

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
330 N. WABASH AVENUE, SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEITCH BATES INC.
803 LINCOLN ST., SUITE 100, LITTLETON, CO 80120

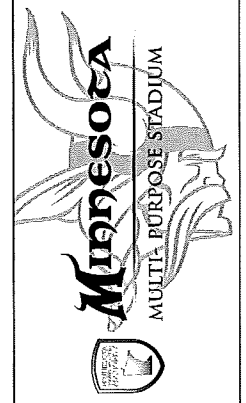
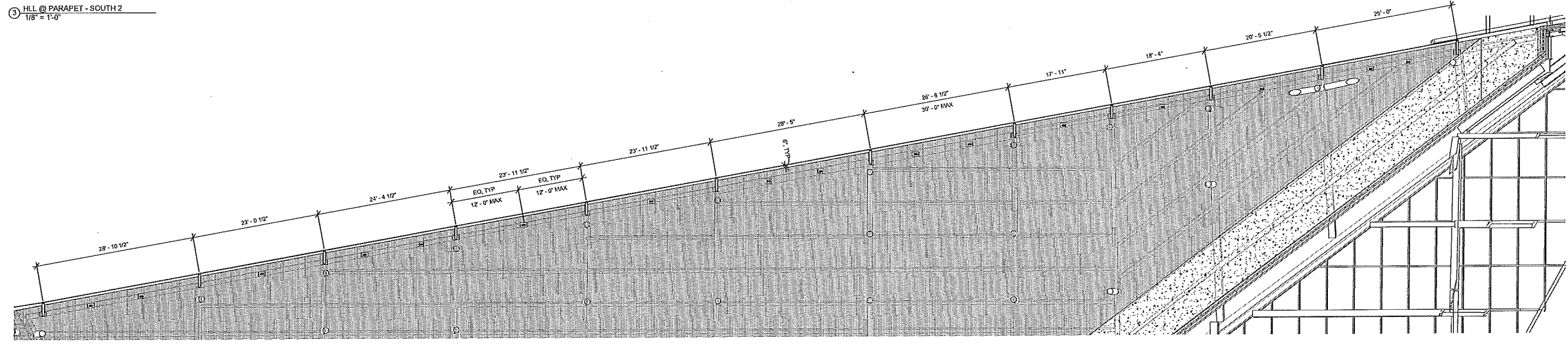
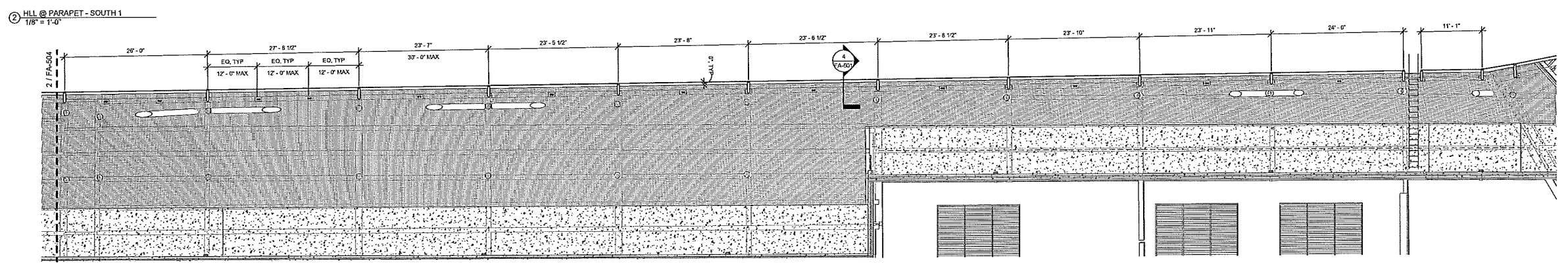


1 HLL @ PARAPET - SOUTHEAST
1/8" = 1'-0"

2 HLL @ PARAPET - SOUTH 1
1/8" = 1'-0"

3 HLL @ PARAPET - SOUTH 2
1/8" = 1'-0"

4 HLL @ PARAPET - SOUTHWEST
1/8" = 1'-0"



KEY PLAN

10	11	12	1
9	14	13	2
8	5	14	3
7	6	5	4

REVISION

NO.	DESCRIPTION	DATE
1	ISSUED	01/23/2015

HKS PROJECT NUMBER
16246.000
DATE
JANUARY 23, 2015
TITLE
CCD-170

SHEET TITLE
**ENLARGED
FAÇADE ACCESS
ELEVATIONS**

SHEET NO.
FA-504

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 541 STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA HKS FOOTBALL, LLC
9500 VICKI DR., EDEN PRAIRIE, MN 55434

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
1919 WOODWAY AVENUE, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUBBS PRUE ARCHITECTS
322 FIRST AVE. N. SUITE 100, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS, P.C.
10025 VEST 4TH AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12735 WEBB DR., SUITE 100 LB-7, DALLAS, TX 75251

CIVIL ENGINEER
EVA, INC.
10025 VALLEY VIEW, SUITE 123, EDEN PRAIRIE, MN 55434

LANDSCAPE ARCHITECT
COLLA AND ASSOCIATES
119 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION CONSULTANTS
15608 VIGORSH BROTHERS DR., ADDICKS, TX 75001

VA/AV
4401 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, P.C.
800 KENYON CREEK, SUITE 200, OVERLAND PARK, KS 66210

FOOD SERVICE
FOUCA MEYER
6326 SOUTH VALENTIA, GREENWOOD VILG, CO 80111

LIGHTING CONSULTANT
PH/DC
1401 DUTCH VALLEY PL., C & D, ATLANTA, GA 30324

WAYFINDING
REBECCAH PEREZ DESIGN
402 CALVERT RD., PLAINFIELD, NJ, CA 90291

VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1600 PENROCK AVE., SUITE 100, FALLS, MN 55924

ADA CONSULTANT
ED ROTHNER CONSULTING, LLC
2090 WISCONSIN BELLEVUE, CO SPRING, KS 66083

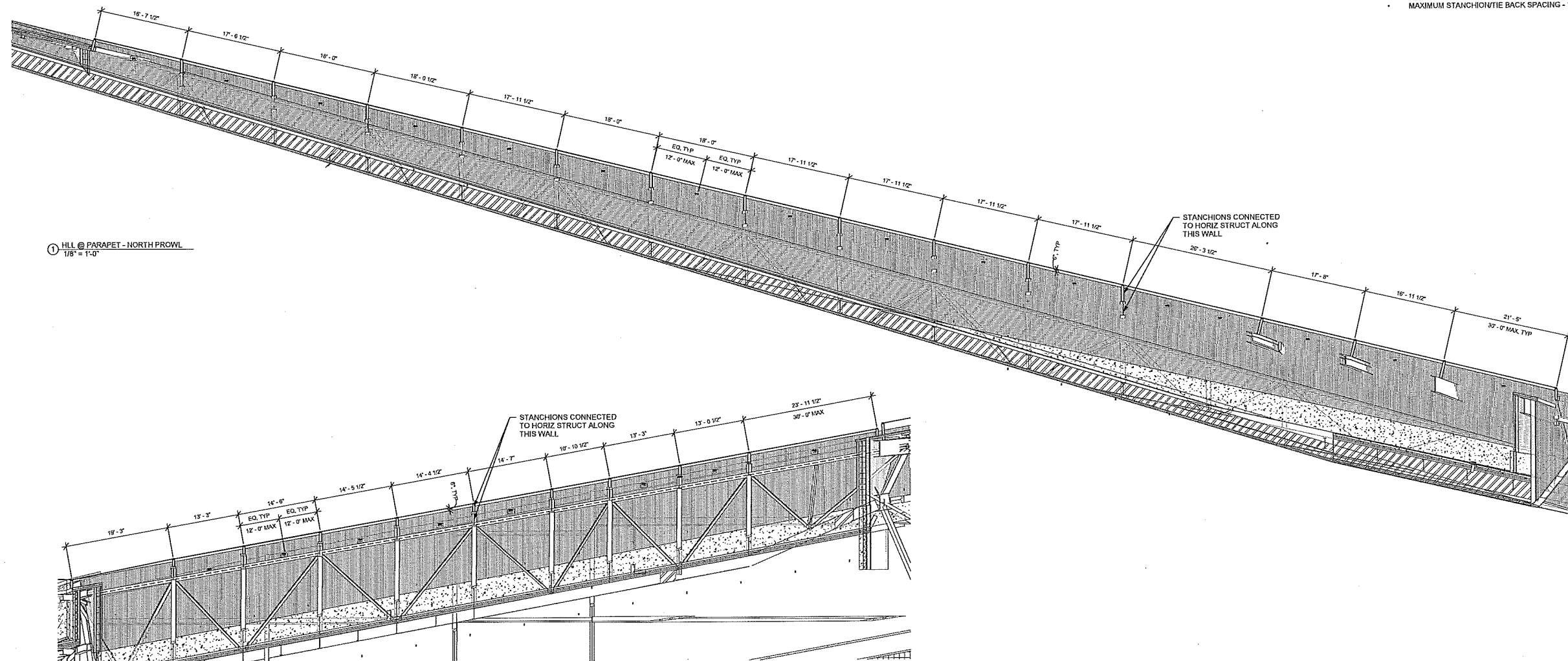
WIND / SNOW CONSULTANT
ROXAN WILLOUGH, DAVIS ANDERSON, INC.
800 WOODLAND RD., SUITE 100, GAITHERSBURG, MD 20878

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
301 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEPICK BATES INC.
1053 LINDOLPH ST., SUITE 100, LITTLETON, CO 80120

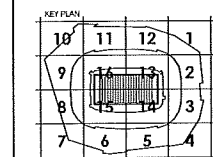
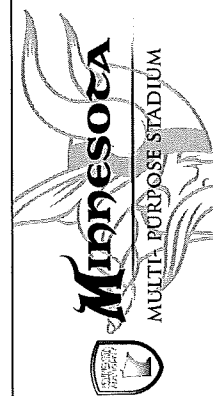
HORIZONTAL LIFELINE (HLL) NOTES:

- MAXIMUM WIRE ROPE SPAN - 300'-0"
- MAXIMUM POST SPACING - 30'-0"
- HEIGHT ABOVE PARAPET - 5'
- MAXIMUM STANCHION/TIE BACK SPACING - 12'-0"



① HLL @ PARAPET - NORTH PROWL
1/8" = 1'-0"

② HLL @ PARAPET - SOUTH PROWL
1/8" = 1'-0"



REVISION	NO.	DESCRIPTION	DATE
1	CCD-170		01/23/2015

HKS PROJECT NUMBER
16246.000

DATE
JANUARY 23, 2015

ISSUE
CCD-170

SHEET TITLE
**ENLARGED
FAÇADE ACCESS
ELEVATIONS**

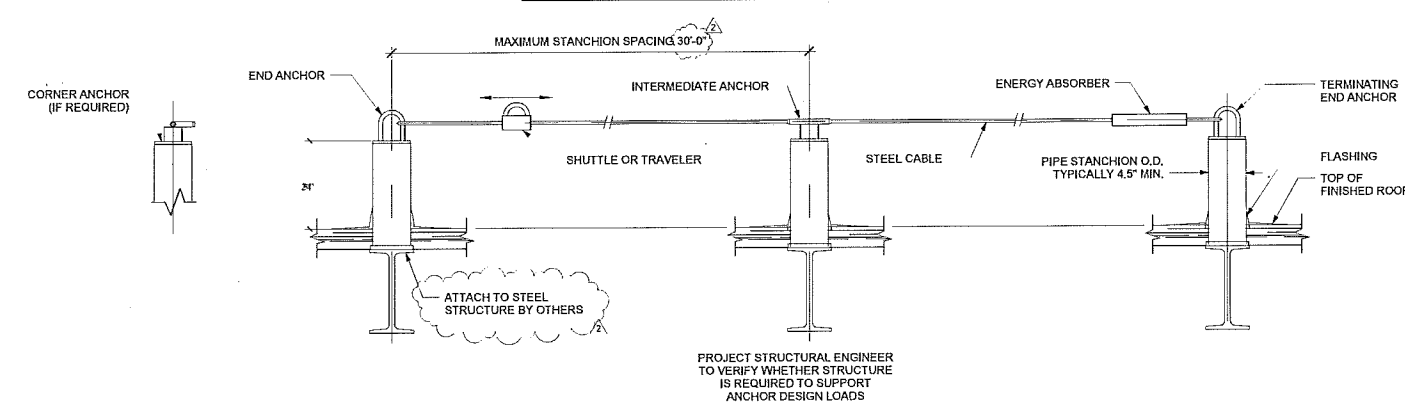
SHEET NO.
FA-505

MINNESOTA SPORTS FACILITIES AUTHORITY
 222 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415
OWNER
 MINNESOTA SPORTS FOOTBALL, LLC
 600 WYOMING AVE., EDEEN PRERIE, MN 55334
ARCHITECT / INTERIORS / BRANDING
 HKS, INC.
 17880 KEELEY AVENUE, DALLAS, TX 75231
ASSOCIATE ARCHITECT - SKIN
 STUBBS PRUE ARCHITECTS
 322 WEST AVE., SUITE 600, MINNEAPOLIS, MN 55401
MEP / TECHNOLOGY
 J&E ENGINEERS, P.C.
 1000 WEST 44TH AVE., WEST FORD, CO 80523
STRUCTURAL ENGINEER
 THORNTON TOMASETTI
 1270 WEST DR., SUITE 100, DALLAS, TX 75201
CIVIL ENGINEER
 EYS, P.A.
 1000 VALLEY VIEW, SUITE 123, EDEEN PRERIE, MN 55334
LANDSCAPE ARCHITECT
 COLUNCIANO ASSOCIATES
 170 WASHINGTON AVE., SUITE 200, MINNEAPOLIS, MN 55401
AUDIO VISUAL CONSULTANTS
 ACQUISITION CONSULTING
 1000 WISCONSIN STREET, AUSTIN, TX 78701
IT/AV
 4551 SPRING VALLEY RD., DALLAS, TX 75244
CODE / FIRE PROTECTION
 FSC, INC.
 9225 FLYING CREEK, SUITE 300, OVERLAND PARK, KS 66210
FOOD SERVICE
 BECA RESTAURANT
 5325 SOUTH VALENTIA, GREENWOOD VLG., CO 80111
LIGHTING CONSULTANT
 PHC
 1625 DUTCH VALLEY PL., C & D, ATLANTA, GA 30324
WAYFINDING
 SEIBERT FERRIS DESIGN
 432 OLIVER BLVD., PHILADELPHIA, PA 19107
VERTICAL TRANSPORTATION
 ELEVATOR CONSULTING GROUP
 1830 PENNINGTON AVE., SAINT PAUL, MN 55104
ADA CONSULTANT
 EDWARDS CONSULTANTS LLC
 2500 MISSOURY BELLEVUE, LOUISBURG, KS 66203
WIND / SNOW CONSULTANT
 ROYAL WILSON, ENGINEERS AND ARCHITECTS, INC.
 600 WOODLAND RD., W., GUELPH, ON CANADA N1H 1K8
BUILDING ENVELOPE CONSULTANT
 THORNTON TOMASETTI ARCHITECTS
 337 N. WASHINGTON AVE., SUITE 1500, CHICAGO, IL 60611
FAÇADE ACCESS CONSULTANT
 LEITCH BATES, P.C.
 659 LINCOLN ST., SUITE 100, LITTLETON, CO 80122

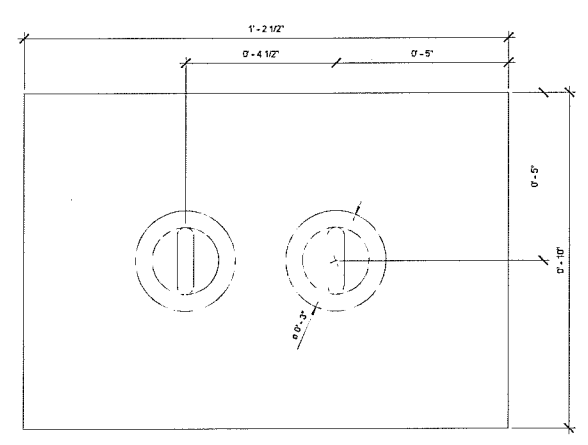
HORIZONTAL LIFE LINE (HLL) LOADING:

1. THE LOAD FOR END/INTERMEDIATE SUPPORTS: 22.24 kN (5,000 LBS.) ULTIMATE, DIRECTION 360 DEGREES
2. THE LOAD FOR CORNER SUPPORTS: 32.03 kN (7,200 LBS.) ULTIMATE, DIRECTION 360 DEGREES.

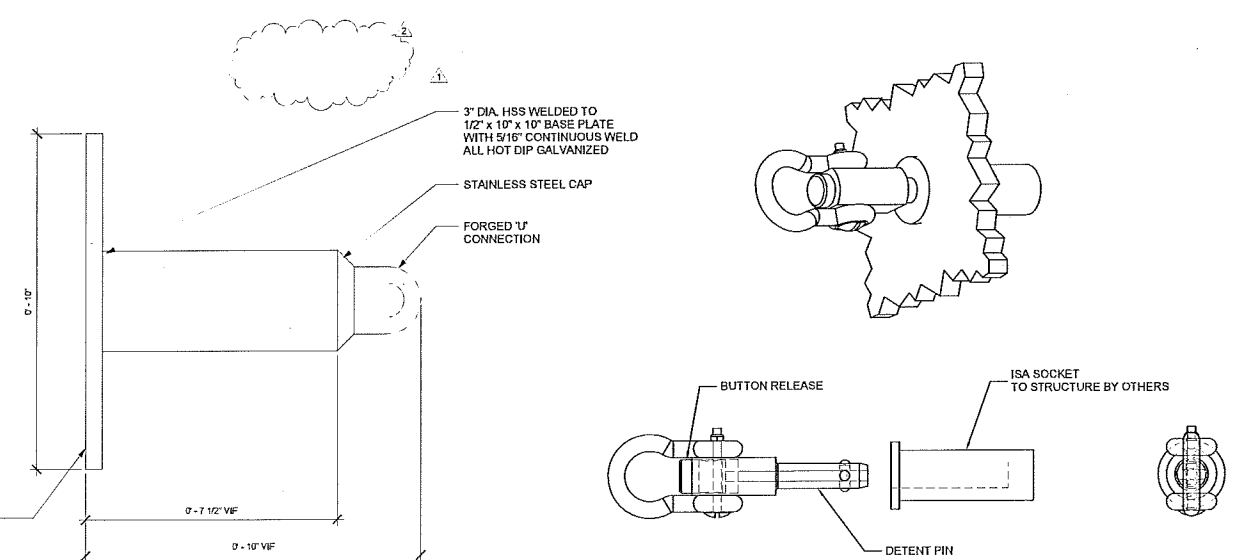
▲ MAX. NUMBER OF USERS PER SYSTEM: 2 PEOPLE



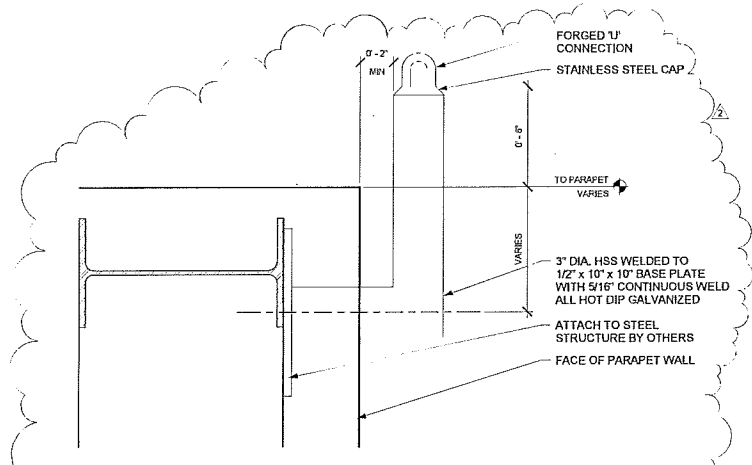
1 HORIZONTAL LIFE LINE (HLL) NTS



2 LOW PROFILE TIE BACK NTS



STRUCTURAL ENGINEER TO VERIFY THAT STRUCTURE WILL SUPPORT REACTION LOADS LOADS: 5000 LBS. IN ANY DIRECTION



4 HLL STANCHION AT PARAPET 3" x 1'-0"



KEY PLAN

10	11	12	1
9	16	13	2
8	15	14	3
7	6	5	4

REVISION

NO.	DESCRIPTION	DATE
1	CCD-049	06/22/2014
2	CCD-152	02/27/2015

HKS PROJECT NUMBER
16246.000
 DATE
APRIL 2, 2014
 ISSUE
CCD-049

SHEET TITLE
FAÇADE ACCESS EQUIPMENT DETAILS

SHEET NO.
FA-601

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 10TH STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS INC.
360 FL ST, PAUL, ST. PAUL, MN 55101

ASSOCIATE ARCHITECT - SKIN
SKIN ARCHITECTS
322 FIRST AVE, N. SUITE 201, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY
H&E ENGINEERS P.C.
10005 WEST 43RD AVE., YAMHART RIDGE, CO 80033

STRUCTURAL ENGINEER
HOBASITON ENGINEERS
12700 MERRILL DR., SUITE 200, LITTLETON, CO 80120

CIVIL ENGINEER
EVS, P.C.
2200 VALLEY VIEW, SUITE 100, ECHEN PRairie, MN 55024

LANDSCAPE ARCHITECT
COLLINS AND ASSOCIATES
119 SOUTH WASHINGTON ST., SUITE 200, MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACUSTIC DESIGN GROUP
1800 14TH AVENUE, SUITE 100, MINNEAPOLIS, MN 55403

CODE / FIRE PROTECTION
DICKA METZGER
5325 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

FOOD SERVICE
DICKA METZGER
5325 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

LIGHTING CONSULTANT
WAYFINDING
1405 DUTCH VALLEY PL., C/O D. ATLANTA, GA 30323

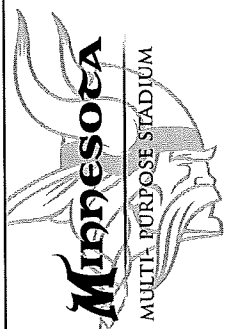
VERTICAL TRANSPORTATION
ELEVATOR ARCHITECTS GROUP
1600 PENNSYLVANIA AVE., SUITE 100, WASHINGTON, DC 20004

ADA CONSULTANT
EDUCATION CENTER GROUP
2500 WISCONSIN ELLIENBY, LOUISBURG, KS 66043

WIND / SNOW CONSULTANT
ROVNER VILLAGE GROUP AND ASSOCIATES
800 FACOCKMAN RD., SUITE 100, CANANDAIGUA, NY 14031

BUILDING ENVELOPE CONSULTANT
THEYERSON ENGINEERS - BUILDING ENVELOPE PRACTICE
330 N. WISCONSIN AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LORRAINE INC.
1000 LITTLETON ST., SUITE 100, LITTLETON, CO 80120



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

Print Name: Walter Steven Hofmeister
Signature: _____
Date: 2-12-14 License # 45224

KEY PLAN

10	11	12	1
9	15	13	2
8	16	14	3
7	6	5	4

REVISION

NO.	DESCRIPTION	DATE
1	ISSUED	02/24/2014
2	ISSUED	02/20/2014
3	ISSUED	02/20/2014
4	ISSUED	01/15/2014

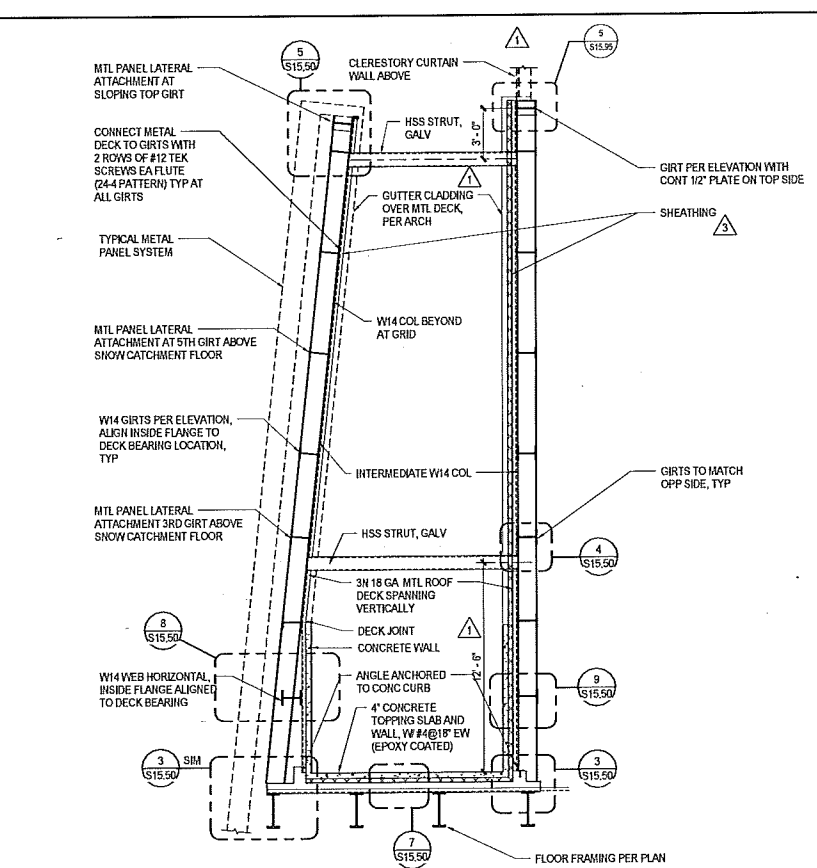
HKS PROJECT NUMBER
16246.000

DATE
FEBRUARY 28, 2014

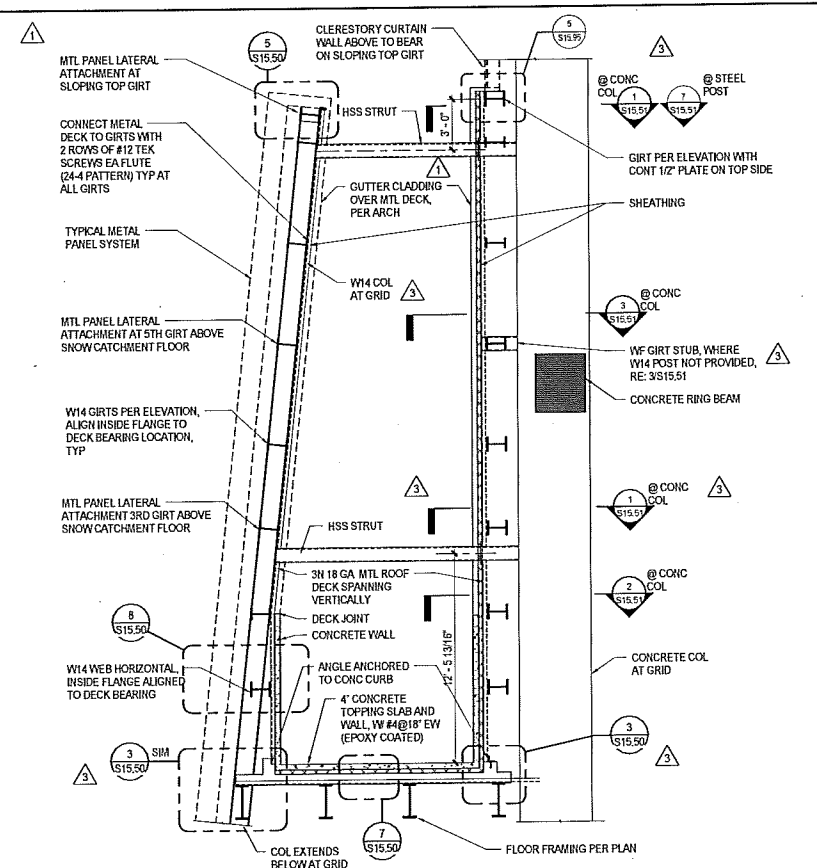
ISSUE
CCD - 043

SHEET TITLE
SNOW CATCHMENT BASIN DETAILS

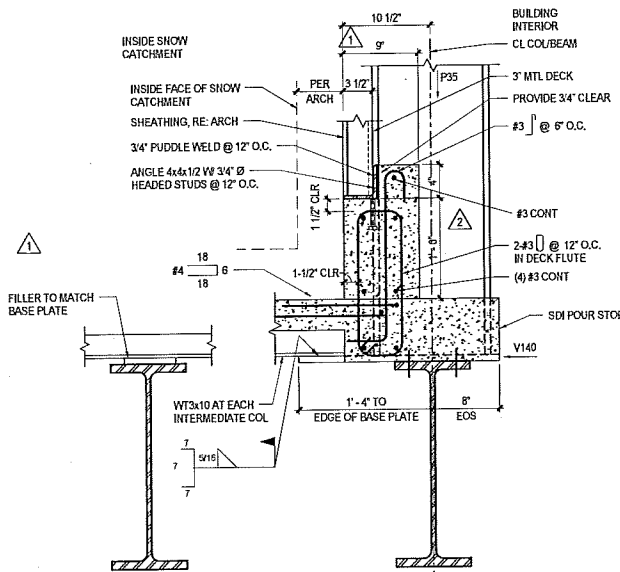
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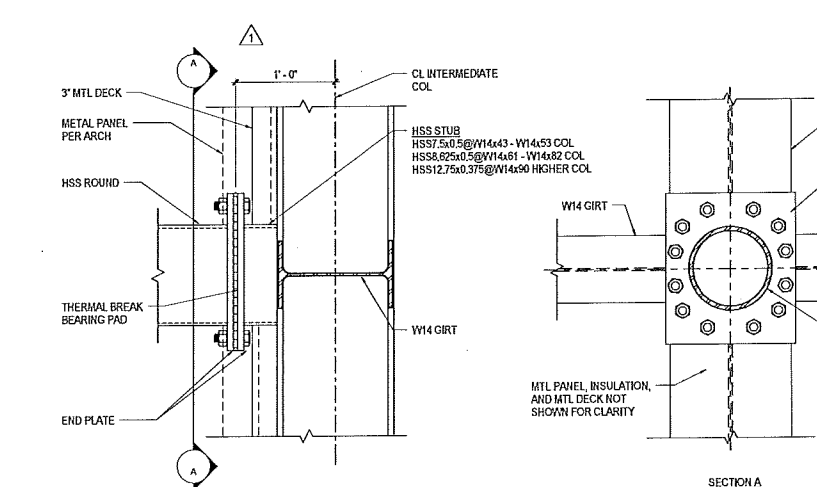
1 SNOW CATCHMENT BASIN SECTION AT INTERMEDIATE COLUMN
1/4" = 1'-0"



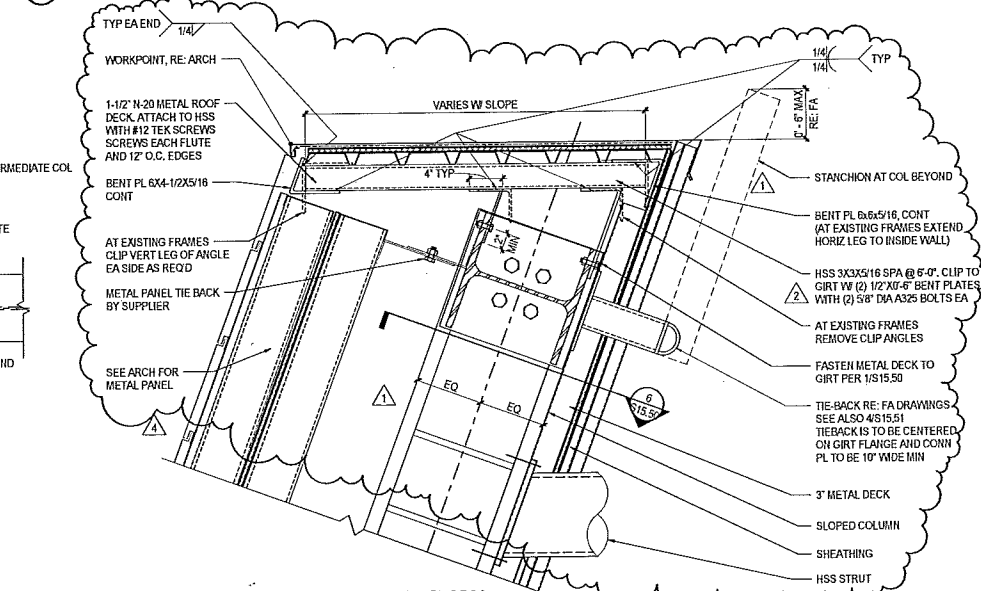
2 SNOW CATCHMENT BASIN SECTION AT COLUMN GRID
1/4" = 1'-0"



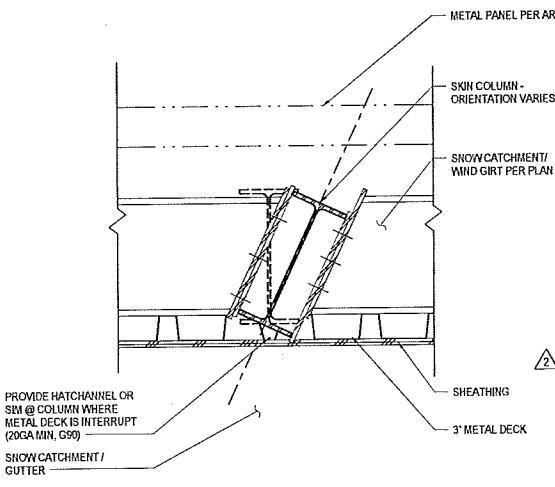
3 SNOW CATCHMENT BASIN CURB - INSIDE
1 1/2" = 1'-0"



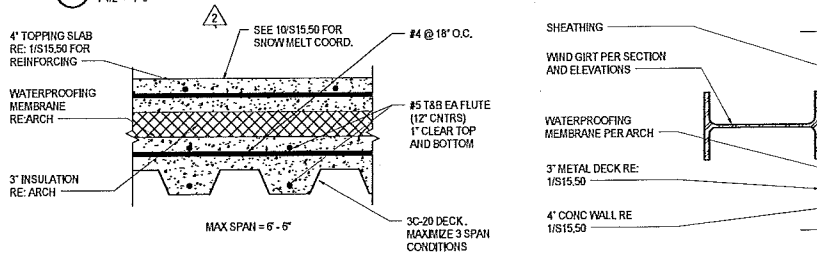
4 SNOW CATCHMENT STRUT CONNECTION
1 1/2" = 1'-0"



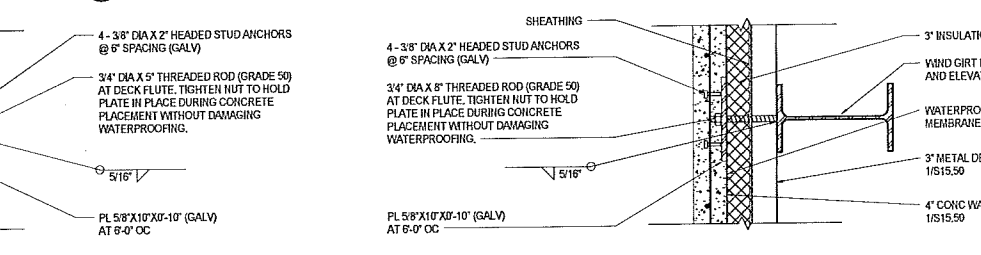
5 TOP OF METAL PANEL WALL SECTION
1 1/2" = 1'-0"



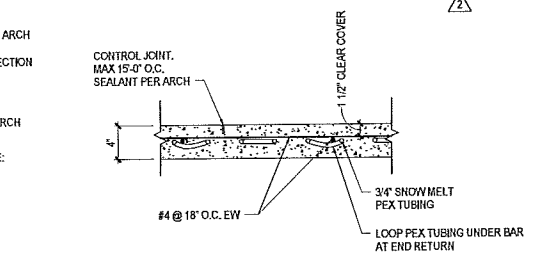
6 GIRT CONNECTION AT SNOW CATCHMENT GRID COL
1 1/2" = 1'-0"



7 TYPICAL SNOW CATCHMENT SLAB
1 1/2" = 1'-0"



8 SNOW CATCHMENT OUTER WALL
1 1/2" = 1'-0"



10 SNOW MELT TOPPING SLAB DETAIL
1 1/2" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
302 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA FOOTBALL, LLC
3025 VANDERBILT, EDEN PRAIRIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
300 N. 5TH ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE., 1L, SUITE 000
MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE ARCHITECTS
322 FIRST AVE., 1L, SUITE 000
MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
1225 WEST 83RD AVE., 10TH FLOOR, CO 80023

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MARKET DR., SUITE 700, L.B.T., DALLAS, TX 75251

CIVIL ENGINEER
EVS, P.C.
12250 VALLEY VIEW, SUITE 102, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
OSLAND ASSOCIATES
11515 HANCOCK AVE., N., MINNEAPOLIS, MN 55417

AUDIO VISUAL CONSULTANTS
ACUSTIC DIMENSIONS
1555 WRIGHT BROTHERS DR., ADDISON, TX 75001

WAYFINDING
4301 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F&S, INC.
6025 N. DEAN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
ROCKA REPAIR, INC.
3025 SOUTHVALENTIA, GREENWOOD VLG., CO 80111

WAYFINDING
SEBENT FERRIS DESIGN
432 CLAVER BLVD., PLATA DEL REY, CA 90230

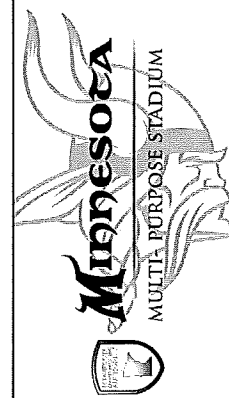
VERTICAL TRANSPORTATION
ELEVATION INDUSTRIES GROUP
14500 PENNSYLVANIA, SAINT PALL, MN 55124

ADA CONSULTANT
ED NORTHERN CONSULTING, LLC
2560 W. USION BELLEVUE, LOUISBURG, KS 66203

WIND / SNOW CONSULTANT
ROSWAN WILLIAMS DRAHER AND PARTNERS, INC.
600 WOODLAWN RD. W., GUELPH, ON CANADA N1K 1B8

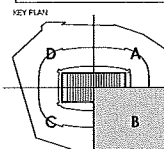
BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
330 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEIGH MATTHEW, INC.
8089 LINCOLN ST., SUITE 102, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT HAS BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: John A. White
Arch. Reg. No.: 15503
Date: 01/29/2015
Signature: [Signature]



REV	DESCRIPTION	DATE
1	CCD-049	06/02/2014
2	CCD-049	01/29/2015

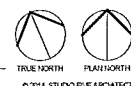
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

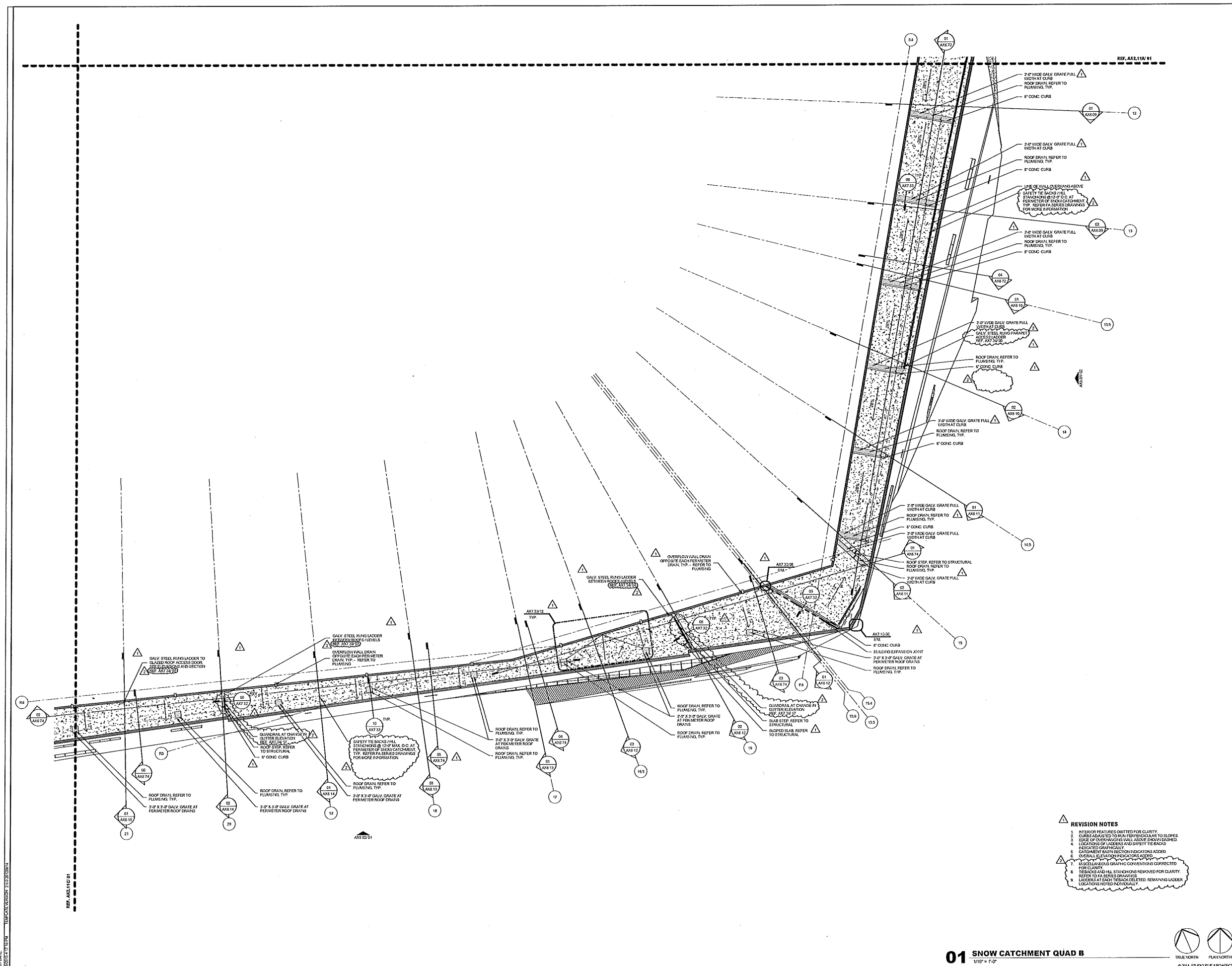
SHEET TITLE
SNOW CATCHMENT BASIN - QUAD B

SHEET NO.
AX2.11B



01 SNOW CATCHMENT QUAD B
1/16" = 1'-0"

- REVISION NOTES**
1. INTERIOR FEATURES OMITTED FOR CLARITY.
 2. CURBS ADJUSTED TO RUN PERPENDICULAR TO SLOPES.
 3. EDGE OF OVERFLOW WALL ADJUSTED TO MATCH SLOPES.
 4. LOCATIONS OF LADDERS AND SAFETY TIE-BANDS RELOCATED GRAPHICALLY.
 5. CATCHMENT BASIN SECTION INDICATORS ADDED.
 6. OVERALL ELEVATION INDICATORS ADDED.
 7. MISCELLANEOUS GRAPHIC CONVENTIONS CORRECTED FOR CLARITY.
 8. TIE-BANDS AND HALL STANCHIONS REMOVED FOR CLARITY.
 9. REFER TO A SERIES DRAWINGS LOCATIONS AT EACH TRACK COLETTED. REMAINING LADDER LOCATION NOTED INDIVIDUALLY.



OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH DR. STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA TENNIS FOOTBALL, LLC
5000 VICKING DR., EDEN PRAIRIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
3001 ST. PALL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
801 NORTH 36 ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
1000 WEST 33RD AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12700 MARKET DR., SUITE 700 LB-7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, INC.
1000 VALLEY VIEW, SUITE 120, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
OSLAND AND ASSOCIATES
115 GARDEN CROFT AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACCUSOUND CONSULTANTS
1000 WRIGHT BROTHERS DR., ADDISON, TX 75001

V&H
4321 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F&C P&C
8025 NEAN CREEK, SUITE 300, OVERLAND PARK KS 66209

FOOD SERVICE
RCCA RESTAURANTS
5225 SOUTH VALENTIA, GREENWOOD VIL. CO 80111

WAYFINDING
SQUARE PENSION DESIGN
425 CLAYTON BLVD., PLAZA DEL REY, CA 90230

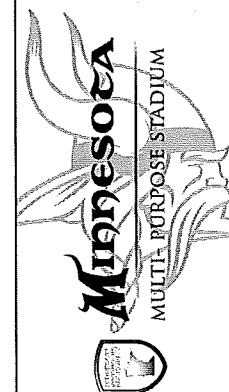
VERTICAL TRANSPORTATION
ELEVATOR CONSULTING GROUP
14500 PENNINGTON AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
EDUCATION FOR ALL PEOPLE, LLC
25609 MASSON BELLEVUE, LOUISBURG, KS 66003

WIND / SNOW CONSULTANT
NORTH WIND ENGINEERS, P.C.
605 VANDERKAM RD. W., GUELPH, ON CANADA N1K 1B8

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING PRACTICES
330 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

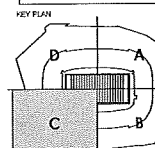
FACADE ACCESS CONSULTANT
LECHMATEL, INC.
6000 LEGGOUT ST., SUITE 105, LITTLETON CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED ARCHITECT LICENSED IN THE STATE OF MINNESOTA.

Address: 1608 McChesnut St.
Ann Rev. No.: 15503
Date: 03/29/2015

Signature: *John C. Wolf*



REV. NO.	DESCRIPTION	DATE
1	000-000	02/02/15
2	000-100	02/02/15

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

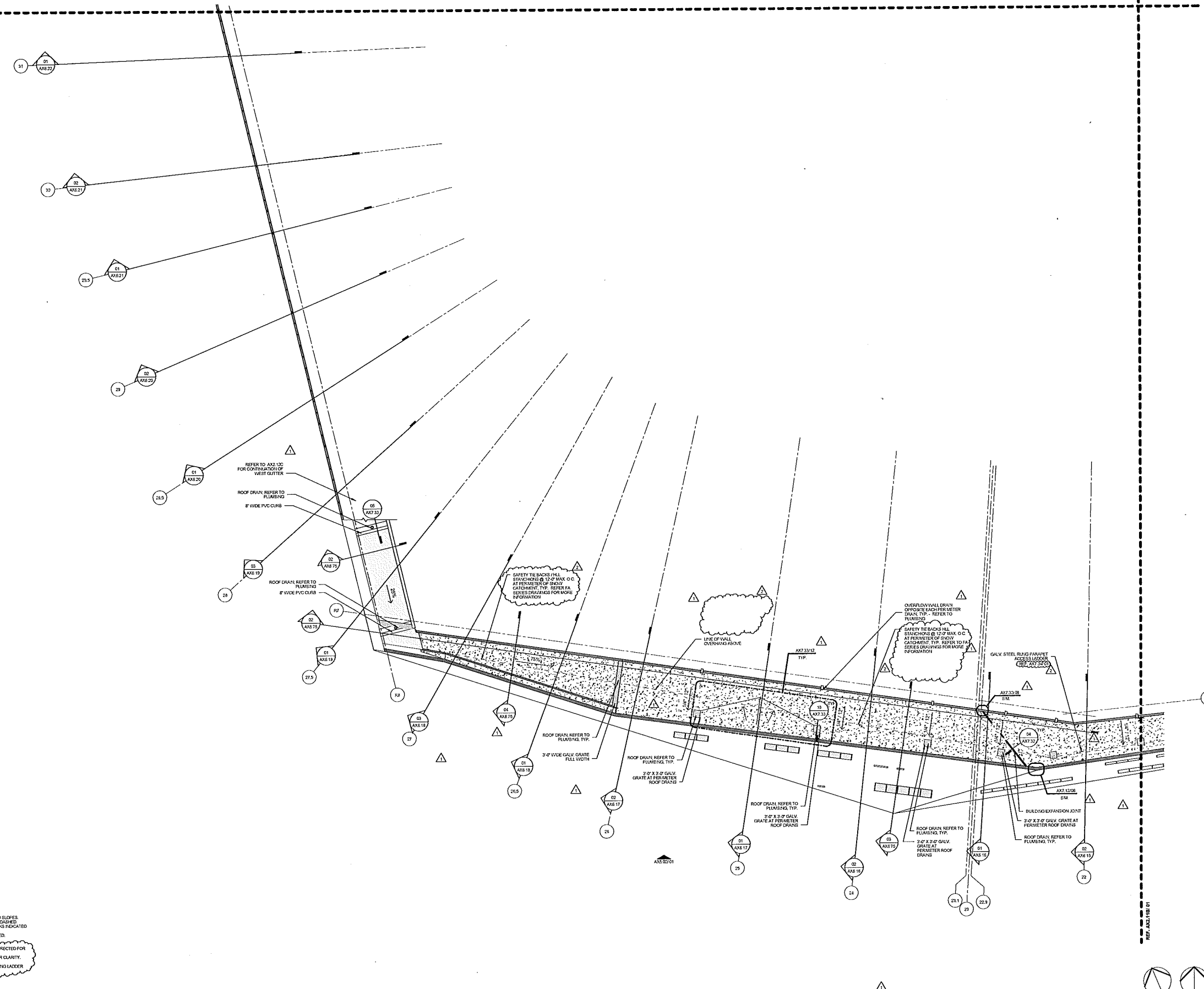
ISSUE
CCD-049

SHEET TITLE
SNOW CATCHMENT BASIN - QUAD C

SHEET NO.

AX2.11C

REF. AX2.11D 01



- REVISION NOTES**
- INTERIOR FEATURES OMITTED FOR CLARITY.
 - CURBS ADJUSTED TO BEA PERSPECTIVE TO SLOPES.
 - EDGE OF OVERHANGING WALL ABOVE SHOWN DASHED.
 - LOCATION OF LADDERS AND SAFETY BACKS HIGHLIGHTED GRAPHICALLY.
 - CATCHMENT BASIN SECTION INDICATORS ADDED.
 - OVERALL ELEVATION INDICATORS ADDED.
 - MISCELLANEOUS GRAPHIC CONVENTIONS CORRECTED FOR CLARITY.
 - TEEBACKS AND HILL STANCHIONS REMOVED FOR CLARITY. REFER TO A SERIES DRAWINGS.
 - LADDERS AT EACH TEEBACK DELETED REMAINING LADDER LOCATIONS NOTED INDIVIDUALLY.

01 SNOW CATCHMENT QUAD C
1/8" = 1'-0"



PLOT DATE: 03/05/15 10:30 AM
 TEMP: 65.0 F
 DATE: 03/29/2015

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH 3RD STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WOLVES FOOTBALL, LLC
800 WYOMING DR., EDEEN PRARIE, MN 55444

ARCHITECT / INTERIORS / BRANDING
HKS INC
511 FAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIOHE ARCHITECTS
322 FIRST AVE. N. SUITE 800, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIOHE
801 NORTH 3RD ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
MUE ENGINEERS, P.C.
1000 WEST 4TH AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12550 MERIT DR., SUITE 700, L.B.7, DALLAS, TX 75251

CIVIL ENGINEER
DVS INC
10200 VALLEY VIEW, SUITE 123, EDEEN PRARIE, MN 55444

LANDSCAPE ARCHITECT
OHLAND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACCUSOUND ENGINEERS
10008 WRIGHT BROTHERS DR., ADDISON, TX 75001

V&A
V&A
4021 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC INC
2225 MAIN STREET, SUITE 300, OVERLAND PARK, KS 66209

FOOD SERVICE
RCCAN/MAWAK
633 SOUTH VALERIA, GREENWOOD VLG, CO 80111

WAYFINDING
DELEBERT PERSON DESIGN
432 QUINN ROAD, PLAINFIELD, NJ, CA 07093

VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1800 PENNSYLVANIA, SUITE 100, SAINT PAUL, MN 55114

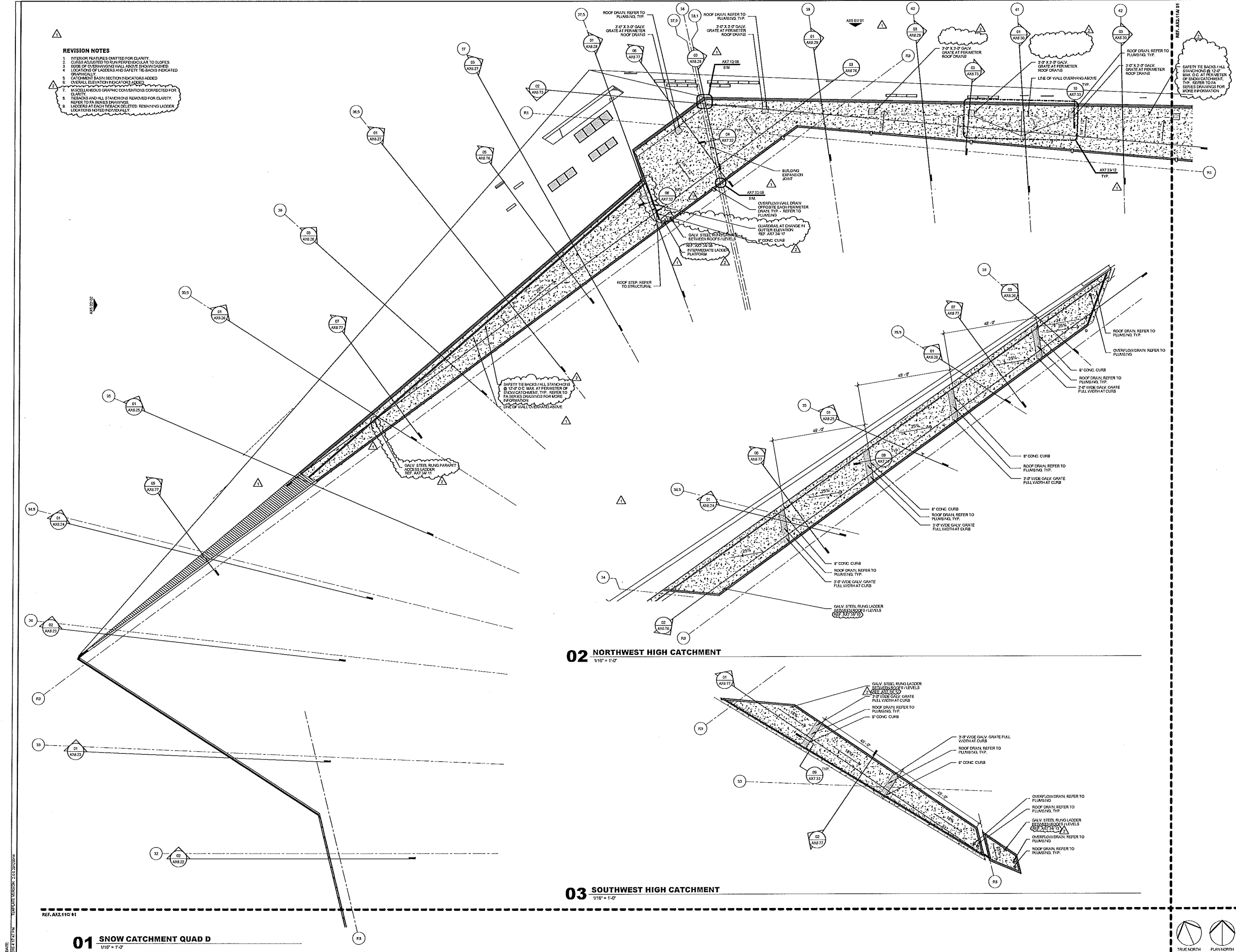
ADA CONSULTANT
ED ROEDERER CONSULTANTS, LLC
2500 WASHINGTON ELLIOTT, WOODBURGH, KS 66093

WIND / SNOW CONSULTANT
ROVANI, WILLIAMS, DAVES, AND POWELL, P.C.
801 WOODLAND PARK DR., SUITE 100, CHANDLER, AZ 85226

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
300 N. WASHINGTON AVE., SUITE 500, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEIGH BATES, INC.
8099 LINCOLN ST., SUITE 105, LITTLETON, CO 80120

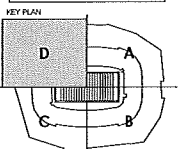
- REVISION NOTES**
1. EXTERIOR FEATURES OMITTED FOR CLARITY
 2. CURBS ADJUSTED TO BE PERPENDICULAR TO SLOPES
 3. ROOF OF OVERFLOW DRAIN ABOVE SNOW DRAIN
 4. LOCATIONS OF LADDERS AND SAFETY TIERS BACKS INDICATED
 5. OVERFLOW DRAIN INDICATORS ADDED
 6. OVERFLOW DRAIN INDICATORS ADDED
 7. TERMINI AND HILL STANCHIONS REMOVED FOR CLARITY
 8. REFER TO FAÇADE ENVELOPE DRAWINGS FOR SAFETY TIERS BACKS
 9. LADDERS AT EACH TIER AND DETECTED REMAINING LADDER LOCATIONS NOTED INDIVIDUALLY



CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: John MacCormack
Arch. Reg. No.: 15453
Date: 04/02/2014
Signature: [Signature]



REV	NO.	DESCRIPTION	DATE
1	CCD-000		06/02/2014
2	CCD-110		01/02/2015

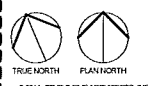
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
SNOW CATCHMENT BASIN - QUAD D

SHEET NO.



OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 5th STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
8000 VONK DR., EDEN PRAIRIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
300 N. ST. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
EVIDENCE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIOEYE
901 NORTH 3rd ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
MFC ENGINEERS, P.C.
10065 WEST 43rd AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12700 MERIT DR., SUITE 150, LB 7, DALLAS, TX 75251

CIVIL ENGINEER
FVS, P.C.
12250 VALLEY VIEW, SUITE 123, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
OSLICK AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION DESIGN GROUP
10063 WRIGHT BROTHERS DR., ADDICKS, TX 75001

CODE / FIRE PROTECTION
FSC, P.C.
8002 KENNY CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
KCCA RESTAURANT
833 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
SELBERT PERSONAL DESIGN
402 OAKRIDGE BLVD., PLAIN DEL, CA 92509

VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1400 PENNSYLVANIA AVE., SUITE 1000, WASHINGTON, DC 20004

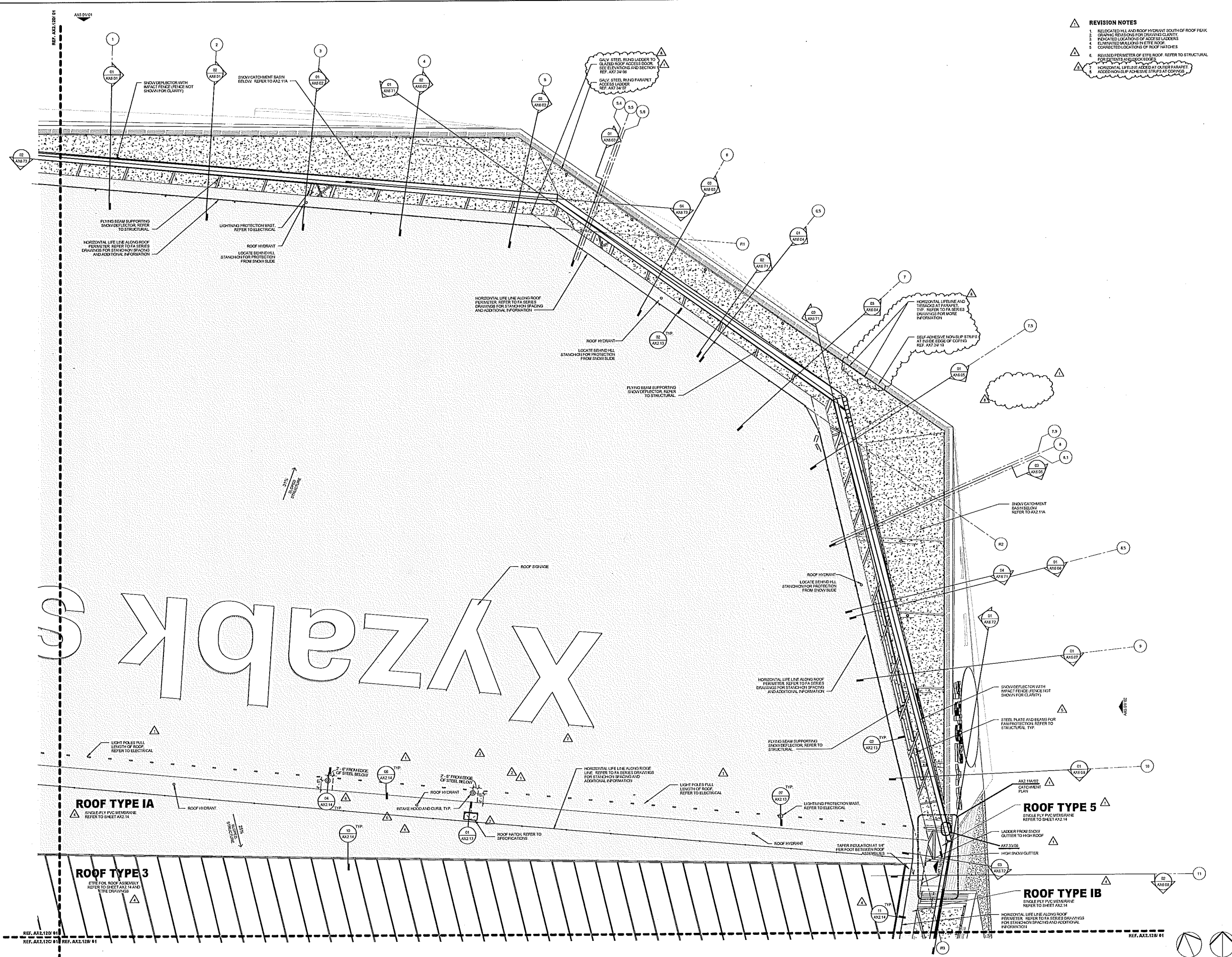
ADA CONSULTANT
ED WOODRUP CONSULTANTS, LLC
2090 WOODRUP BELLEVILLE, LOUISBURG, KS 66003

WIND / SNOW CONSULTANT
ROUAN WILLIAMS, DAVIES AND RYAN, P.C.
800 WOODLAND RD. WY., CALEPIN ON CANADIAN HWY 193

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
3304 WYANDOTT AVE., SUITE 200, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEITCH BATES, INC.
800 LINCOLN ST., SUITE 306, LITTLETON, CO 80122

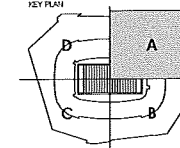
- REVISION NOTES**
1. RELOCATED HLL AND ROOF HYDRANT SOUTH OF ROOF PEAK
 2. GRAPHIC REVISIONS FOR DRAWING CLARITY
 3. FOCUSED LOCATIONS OF ACCESS LADDERS
 4. ELIMINATED WALLS IN ETRE ROOF
 5. CONNECTED LOCATIONS OF ROOF HATCHES
 6. REVISED PERIMETER OF ETRE ROOF. REFER TO STRUCTURAL FOR DETAILS AND LOCK EDGES
 7. HORIZONTAL LIFE LINE ADDED AT OUTER PERIMETER
 8. ADDED HIGH SLIP ADHESIVE STRIPS AT CORNERS



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: Justin M. Cradock-Hurt
Arch. Reg. No.: 15509
Date: 02/22/2014

Signature: Justin M. Cradock-Hurt



REV. NO.	DESCRIPTION	DATE
1	CCD-000	06/02/2014
2	CCD-001	06/20/2014
3	CCD-002	07/07/2014
4	CCD-003	09/02/2014
5	CCD-004	09/22/2014
6	AX2-124	10/01/2014
7	AX2-125	10/28/2014
8	AX2-126	04/22/2014

HKS PROJECT NUMBER
16246.000

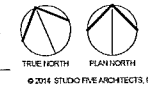
DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ROOF - QUAD A

SHEET NO.
AX2.12A

01 ROOF QUAD A
1/8" = 1'-0"



OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
600 SOUTH 5th STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WINGS FOOTBALL, LLC
6000 VANDER GR. BLDG, MINNEAPOLIS, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, P.C.
2601 ST. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 WEST AVE. #L SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
801 NORTH 5th ST., SUITE 220, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
ME ENGINEERS, P.C.
1300 WEST 43rd AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
1270 WEST DR., SUITE 750, L.B.7, DALLAS, TX 75201

CIVIL ENGINEER
EVS, P.C.
1000 VALLEY VIEW, SUITE 132, EDEN PRAIRIE, MN 55344

LANDSCAPE ARCHITECT
DGLAND AND ASSOCIATES
1150 WASHINGTON AVE. N., MINNEAPOLIS, MN 55411

AUDIO VISUAL CONSULTANTS
ACUSTIC DIMENSIONS
1500 WRIGHT BROTHERS DR., ADDICKS, TX 75001

VISUAL
4001 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC FS
8223 INDIAN CREEK, SUITE 300, OVERLAND PK, KS 66210

FOOD SERVICE
FOOD SERVICES
5325 SOUTHVALENTIA, GREENWOOD VLS, CO 80111

WAYFINDING
SILBERT PERIOD DESIGN
432 OLIVER BLVD., PLATA DEL REY, CA 90293

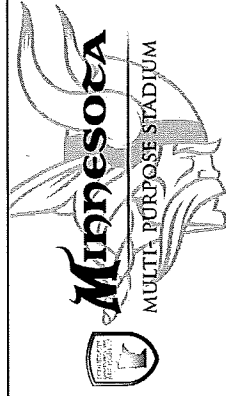
VERTICAL TRANSPORTATION
ELEVATOR ACCESSORY GROUP
14300 PENNINGTON AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
EDUCATION CONSULTANTS, LLC
25900 MASON BELLEVUE, LOUISVILLE, KY 40260

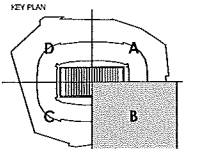
WIND / SNOW CONSULTANT
ROHMEN CONSULTING ENGINEERS AND ARCHITECTS, P.C.
605 WOODLAWN RD. WY, GUELPH, ON CANADA N1K 1B8

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
300 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEICHENSTEIN
8088 LP KODOLIN ST., SUITE 105, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT IN THE STATE OF MINNESOTA.
Architect: JAMES BRIDGES/ARCHITECT
Arch. Reg. No.: 15420
Date: 01/23/2015
Signature: *J. Bridges*



REV. NO.	DESCRIPTION	DATE
1	CCD-000	02/02/2014
2	CCD-001	06/09/2014
3	CCD-100	09/22/2014
4	CCD-101	09/22/2014

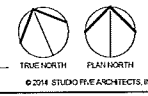
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

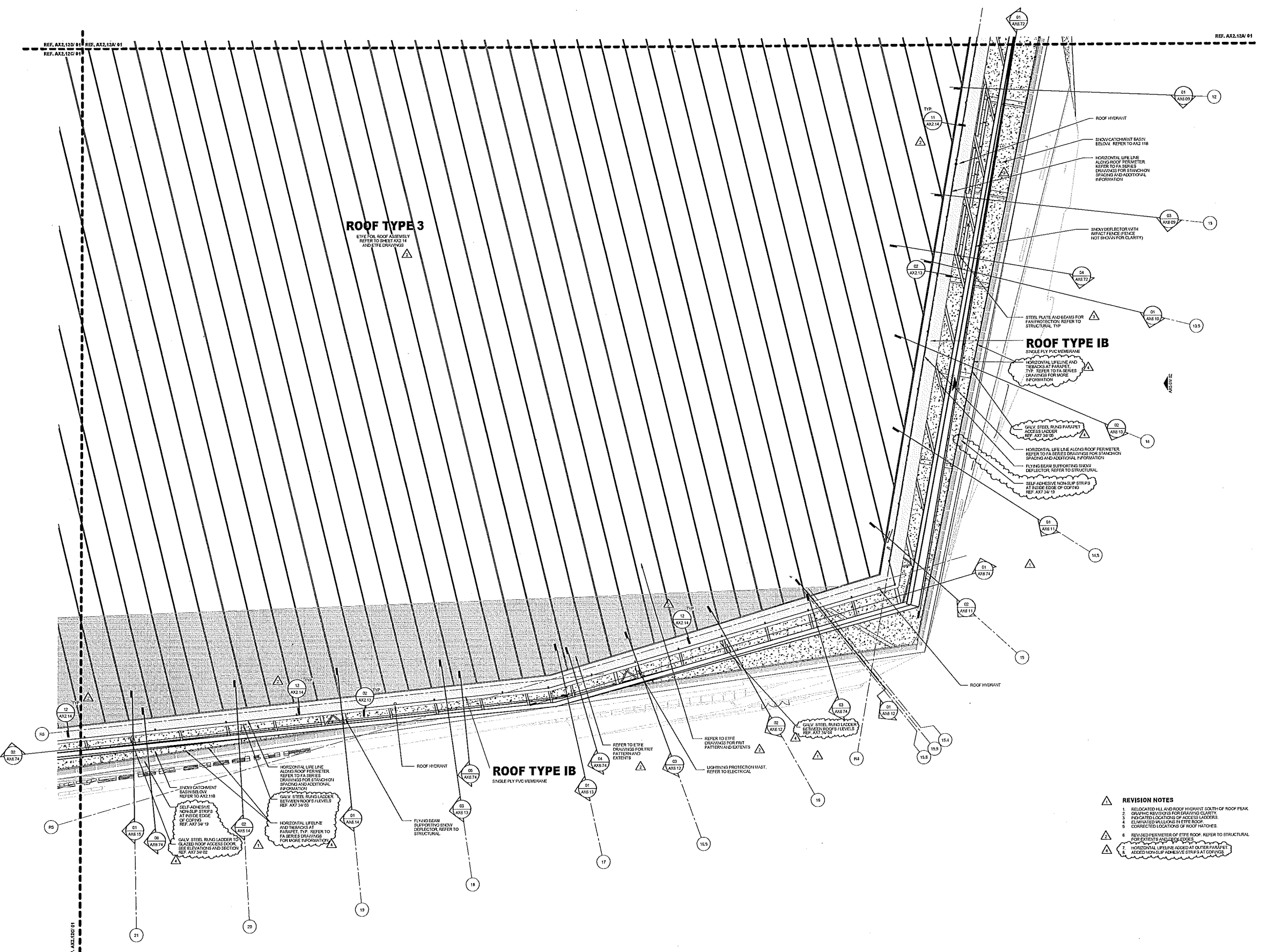
ISSUE
CCD-049

SHEET TITLE
ROOF - QUAD B

SHEET NO.
AX2.12B



01 ROOF QUAD B
1/8" = 1'-0"



PROJECT DATE: 11/20/13
 DRAWN: J. BRIDGES
 CHECKED: J. BRIDGES
 DATE: 11/20/13

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WARRIORS FOOTBALL, LLC
300 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
3011 E. FALL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
301 NORTH 30th ST., SUITE 200, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
1225 WEST 30th AVE., 11th FLOOR, CO. 80023

STRUCTURAL ENGINEER
THORNTON TOMASETTI
10750 NORTH DR., SUITE 700, LB-7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, P.C.
1230 VALLEY VIEW, SUITE 100, KEDDYPARK, MN 55344

LANDSCAPE ARCHITECT
OSL AND ASSOCIATES
110 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACUSTIC DESIGN GROUP
1028 WRIGHT BROTHERS DR., ADDISON, TX 75001

WAYFINDING
4201 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC 242
8255 FORDAN CIRCLE, SUITE 300, OVERLAND PARK, KS 66212

FOOD SERVICE
KICKA MEATWORK
5325 SOUTHVALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
SEBESTER DESIGN
433 OLIVER BLVD., PLAZA DEL REY, CA 90230

VERTICAL TRANSPORTATION
ELEVATOR ACCESSORY GROUP
1450 PENNOCOCK AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
ED HEATHER CONSULTING, LLC
2560 MASSACHUSETTS, LOUISBURG, KS 66025

WIND / SNOW CONSULTANT
HOWARD HARRIS, DRAPER, AKER AND INC.
600 WOODLAND AVENUE, GLENVIEW, IL 60025

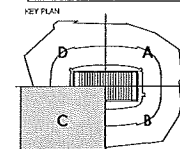
BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
300 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEIGH HAYES, INC.
8008 LINDA ST., SUITE 100, LITTLETON, CO 80120



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: JEFF MACHONSKI
Arch. Reg. No.: 15803
Date: 04/23/2014
Signature: *J. Machonski*



REV. NO.	DESCRIPTION	DATE
1	CCD-000	05/07/2014
2	CCD-001	06/03/2014
3	CCD-120	04/23/2015

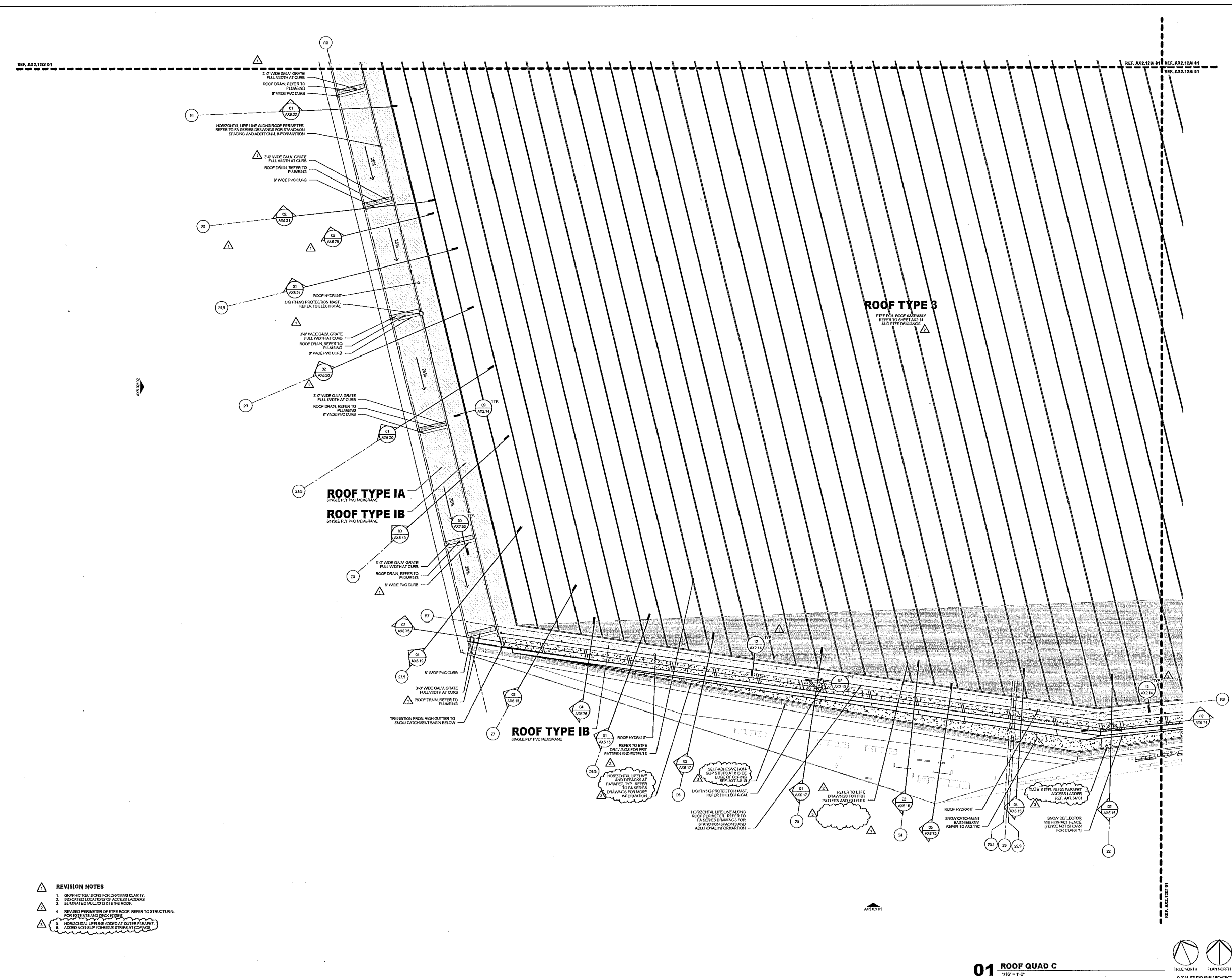
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

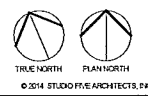
ISSUE
CCD-049

SHEET TITLE
ROOF - QUAD C

SHEET NO.
AX2.12C



- REVISION NOTES**
- GRAPHIC REVISIONS FOR DRAWING CLARITY
 - INDICATED LOCATION OF ACCESS LADDERS
 - ELIMINATED WALLINGS BY THE ROOF
 - REVISED PERIMETER OF THE ROOF. REFER TO STRUCTURAL FOR EXTENTS AND REVISIONS
 - HORIZONTAL LIFE LINE ADDED AT OUTER PERIMETER. ADDITIONAL ADHESIVE STRIPS AT CURBS



PROJECT DATE: 04/23/2014
 DRAWING NUMBER: 16246.000-049

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH STREET, MINNEAPOLIS, MN 55401

OWNER
MINNESOTA SPORTS FOOTBALL, LLC
300 VINGIE DR., DEER PARK, MINNAPOLIS, MN 55401

ARCHITECT / INTERIORS / BRANDING
HKS, P.C.
201 W. FALL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
1225 WEST 39TH AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
1325 WEST 9TH, SUITE 700, DALLAS, TX 75201

CIVIL ENGINEER
EVS, P.C.
1030 VALLEY VIEW, SUITE 120, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
GULIN AND ASSOCIATES
1125 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION DESIGN GROUP
1555 WRIGHT BROTHERS DR., ADDICKS, TX 75001

CODE / FIRE PROTECTION
EVS, P.C.
8225 KEAN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
ROCA RESTAURANT
5135 SOUTHVALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
DESIGN PERSON DESIGN
432 CLAVER BLVD, PLATA DEL REY, CA 90230

VERTICAL TRANSPORTATION
ELEVATOR DESIGN GROUP
1420 PENNSYLVANIA, SAINT PAUL, MN 55114

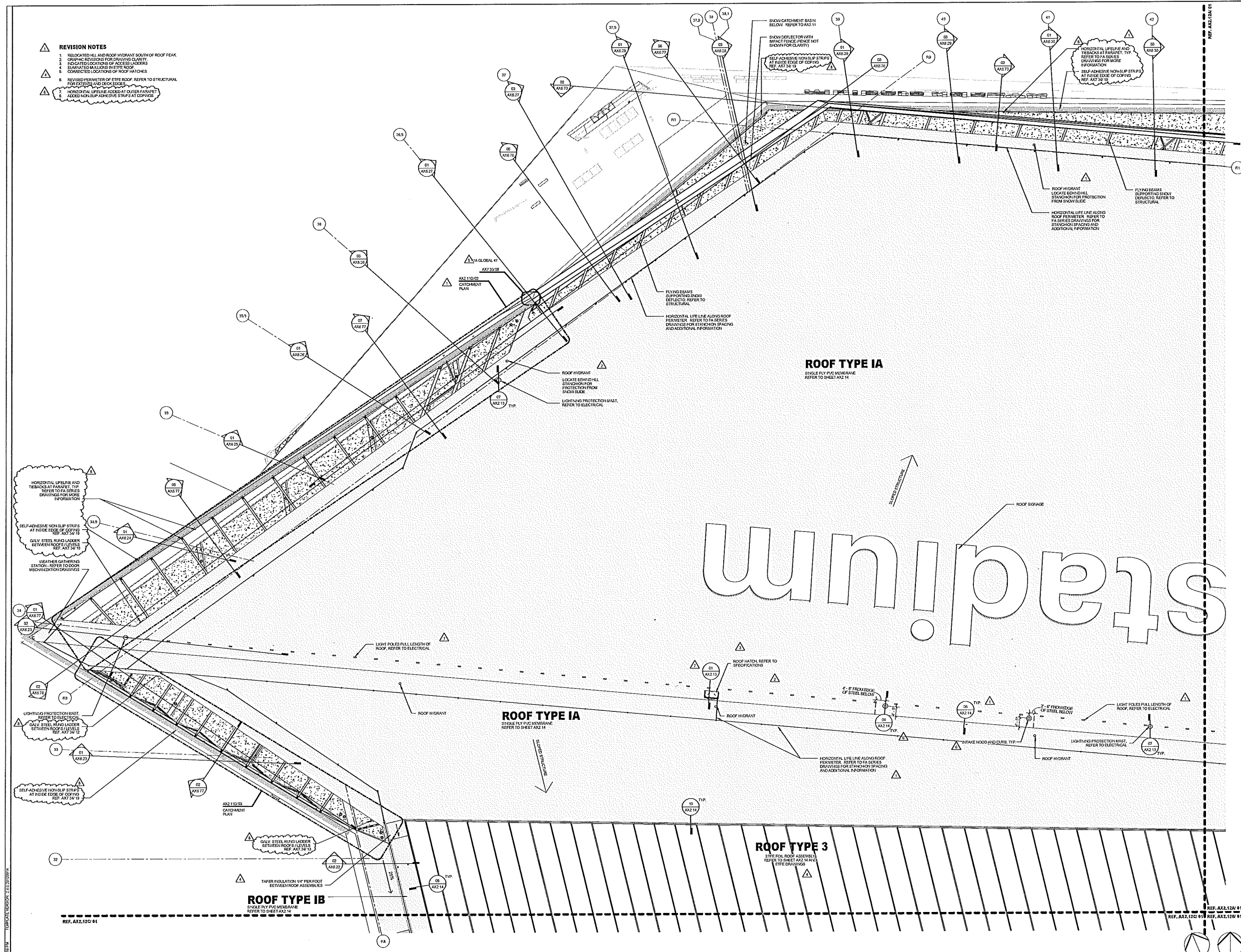
ADA CONSULTANT
ED HENDERSON CONSULTING, LLC
2550 W. 155TH STREET, ELLSVILLE, LOUISIANA, MS 39003

WIND / SNOW CONSULTANT
ROCKAWELL ENGINEERS AND ARCHITECTS, P.C.
600 WOODLAND RD. WY., GUELPH, ON CANADA N1K 1B8

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI BUILDING ENVELOPE PRACTICE
333 N. WASHINGTON AVE., SUITE 1500, CHICAGO, IL 60611

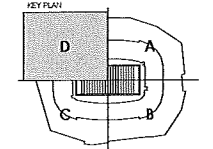
FAÇADE ACCESS CONSULTANT
LECHATELIER, INC.
8609 LINDAUN ST., SUITE 100, LITTLETON, CO 80122

- REVISION NOTES**
1. RELOCATED HILL AND ROOF HYDRANT SOUTH OF ROOF PEAK
 2. GRAPHIC REVISIONS FOR DRAWING CLARITY
 3. LOCATED LOCATIONS OF ACCESS LADDERS
 4. ELIMINATED MULLIONS IN EYE ROOF
 5. CORRECTED LOCATION OF ROOF MATCHES
 6. REVISED PERIMETER OF EYE ROOF. REFER TO STRUCTURAL FOR EXTERIOR AND DECK EDGES
 7. HORIZONTAL LIFE LINE ALONG ROOF PERIMETER. REFER TO FA SERIES DRAWINGS FOR STATIONING SPACING AND ADDITIONAL INFORMATION



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED IN ACCORDANCE WITH THE DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

Architect: *John McCann*
Arch. Reg. No.: 1500
Date: 1/17/2013
Signature: *John McCann*



REV. NO.	DESCRIPTION	DATE
1	02/02/09	02/02/09
2	02/02/09	02/02/09
3	02/02/09	02/02/09
4	02/02/09	02/02/09
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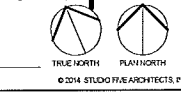
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
ROOF - QUAD D

SHEET NO.
AX2.12D



NOT FOR CONSTRUCTION

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPORTS FACILITIES, LLC
5000 VICKING DR., EDEN PRAIRIE, MN 55344

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
3024 N. PALLA ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N. SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
801 NORTH 3rd ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
S&E ENGINEERS, INC.
10055 WEST 43RD AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12700 MERIT DR., SUITE 750 LB-7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, INC.
10350 VALLEY VIEW, SUITE 103, EDEN PRAIRIE, MN 55344

LANDSCAPE ARCHITECT
OHLSEN AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION DIMENSIONS
10008 WRIGHT BROTHERS DR., ADDISON, TX 75001

VEHICLE
4801 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
1625 POKAN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
BOCCA NEWARK
8325 SOUTH VALENTIN, GREENWOOD VIL., CO 80111

WAYFINDING
SEI BERT PROLOG DESIGN
422 CANTON BLVD., PLAZA DEL REY, CA 90230

VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1605 PINECROCK AVE., BAYTOWN, MN 55124

ADA CONSULTANT
ED ROOPER CONSULTANTS, LLC
2980 WISCONSIN BELLEVILLE, LISLEBURG, MS 38903

WIND / SNOW CONSULTANT
ROHAN WILLIAMS, DAVES AND PERRY, INC.
600 WOODLAND RD., WY. GLENVIEW, OHIO 44135

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
3024 N. PALLA ST., SUITE 100, DALLAS, TX 75201

FAÇADE ACCESS CONSULTANT
LEON BATES, INC.
1000 LINDSEY ST., SUITE 104, LITTLETON, CO 80120



INTERIM REVIEW ONLY
These documents are preliminary and are released for review only and are not intended for regulatory approval, permit, or construction purposes.
Architect: Studio Five Architects, Inc.
Arch. Reg. No.: 15003
Date: 01/25/2015

KEY PLAN

10	11	12	1
9	13	14	2
8	15	16	3
7	6	5	4

REV. NO.	DESCRIPTION	DATE
1	CCD-049	05/07/2014
2	ASB-108	01/25/2014
3	CCD-310	05/07/2014
4	CCD-312	01/25/2015

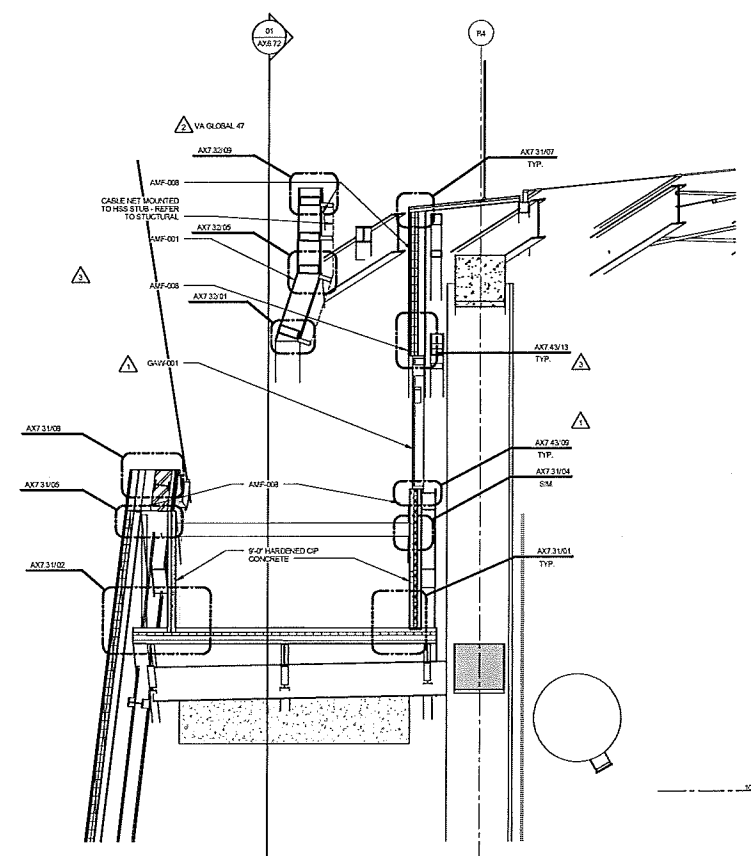
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

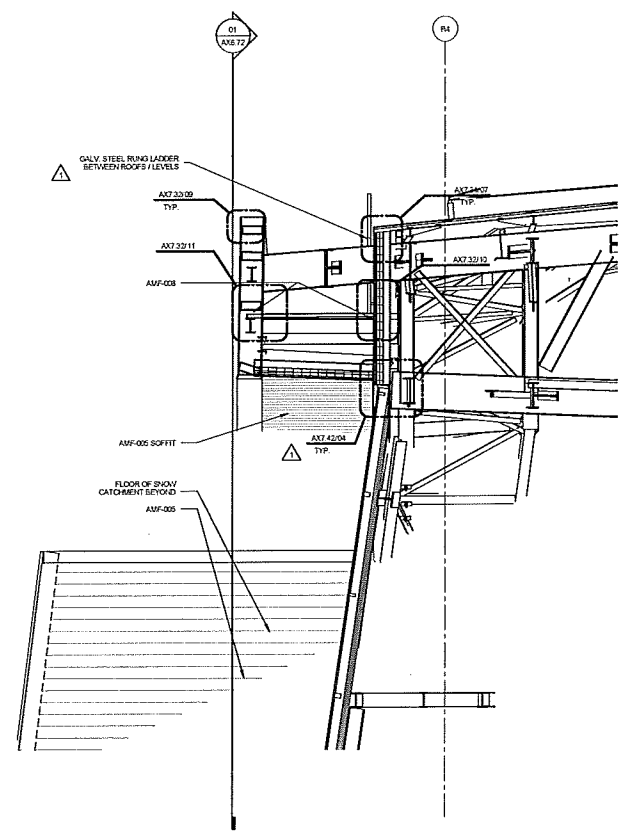
ISSUE
CCD-049

SHEET TITLE
SNOW GUTTER SECTIONS

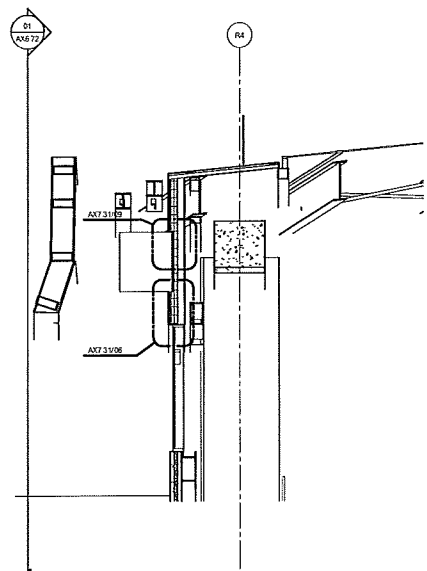
SHEET NO.
AX6.72



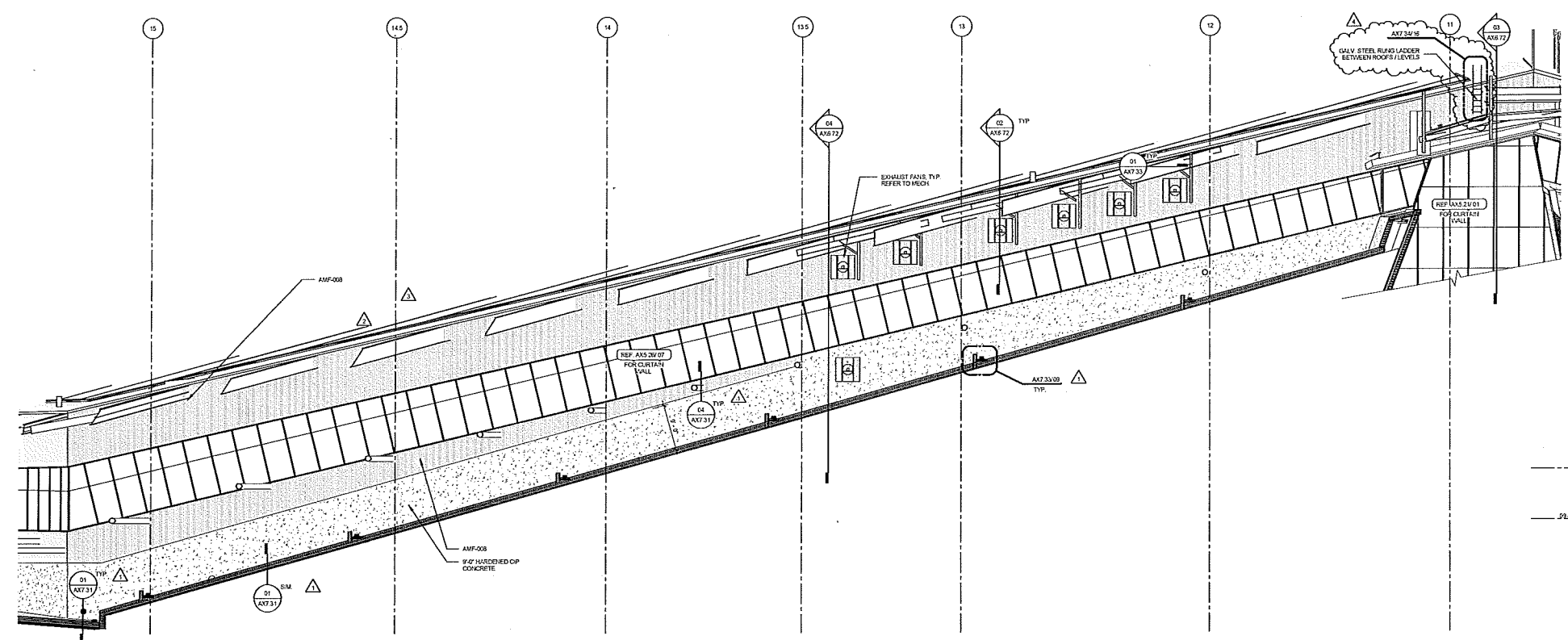
04 CATCHMENT SECTION AT GRID 13.5
3/16" = 1'-0"



03 CATCHMENT SECTION AT GRID 11
3/16" = 1'-0"



02 CATCHMENT SECTION AT EXHAUST FAN
3/16" = 1'-0"



01 SECTION ALONG GRID R4
3/32" = 1'-0"

PROJECT DATE: 04/02/2014
 PROJECT NUMBER: 16246.000
 PROJECT VERSION: 2.00
 SHEET NUMBER: AX6.72

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
600 SOUTH CHEN STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA VIKINGS FOOTBALL, LLC
5600 VIKING DR., EDEN PRARIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
300 N. ST. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N. SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
901 NORTH 3rd ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
13225 WEST 43rd AVE., VARGAT RIDGE, CO 80220

STRUCTURAL ENGINEER
THEYTON TOMASETTI
12730 MERIT DR., SUITE 750, L.B. 7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, INC.
10250 VALLEY VIEW, SUITE 103, EDEN PRARIE, MN 55424

LANDSCAPE ARCHITECT
OHLINGER ASSOCIATES
113 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITE CONSULTING
15028 VARGAT BROOKS DR., ADDISON, TX 75001

VISION
KSH OFFICE VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8228 KRYAN CREEK, SUITE 300, OVERLAND PARK KS 66210

FOOD SERVICE
ROCKAWAY MARK
6325 SOUTH VALENTIA, GREENWOOD CO, MO 64111

WAYFINDING
SEBESTER PERIOD DESIGN
423 COLLIER BLVD., FLAVA DR., REY, CA 90303

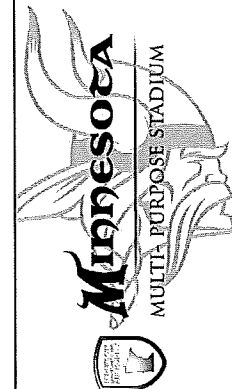
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1450 FENNER AVE., SAKE FALL, MN 55124

ADA CONSULTANT
ED ROEYER CONSULTING, LLC
2980 WASHINGTON ELLIENBY, LOUISBURG, KS 66003

WIND / SNOW CONSULTANT
HOWAN WILLIAMS DAVES AND ROY, P.C.
600 W. COLLEGE AVE., SUITE 100, CHICAGO, IL 60610

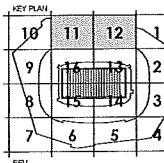
BUILDING ENVELOPE CONSULTANT
THEYTON TOMASETTI, BUILDING SOLUTION PRACTICE
300 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FACADE ACCESS CONSULTANT
LEITCH BATES, INC.
8002 LINDA ST., SUITE 105, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: Linda McCracken-Hurt
Arch. Reg. No.: 12529
Date: 3/27/2014
Signature: *Linda McCracken-Hurt*



REV. NO.	DESCRIPTION	DATE
1.	CCD-000	06/05/2014
2.	AX6-100	07/22/2014
3.	CCD-100	08/22/2014
4.	CCD-100	08/22/2014

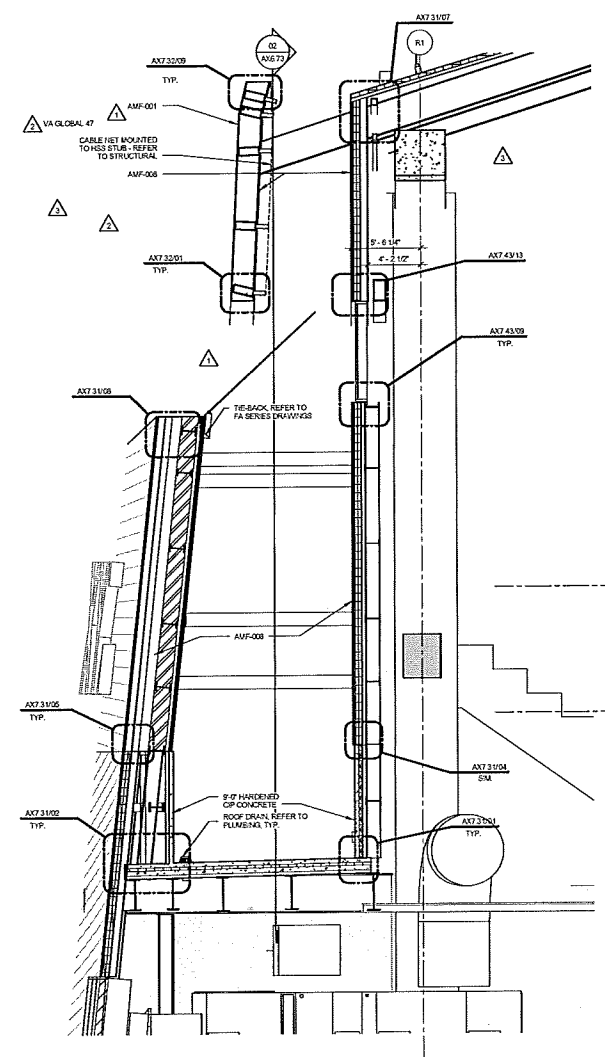
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

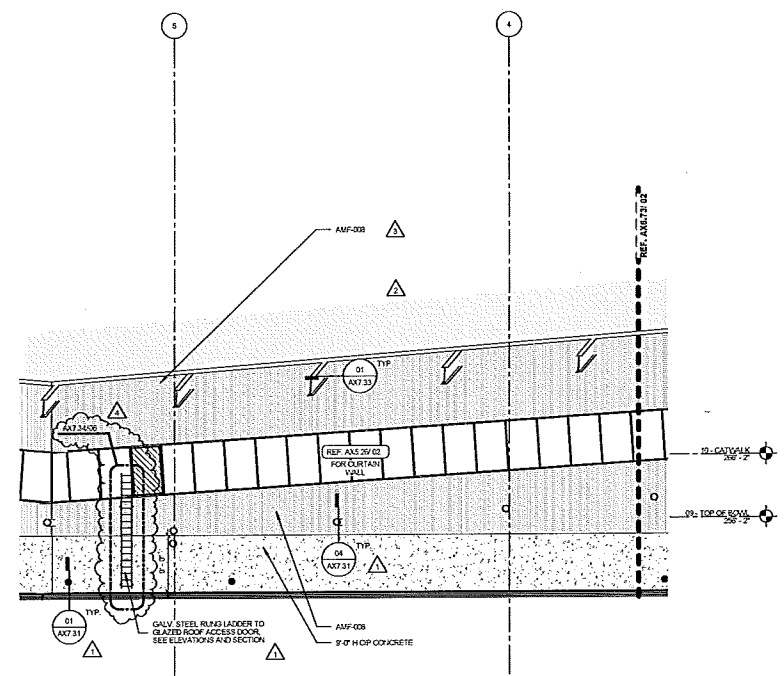
ISSUE
CCD-049

SHEET TITLE
SNOW GUTTER SECTIONS

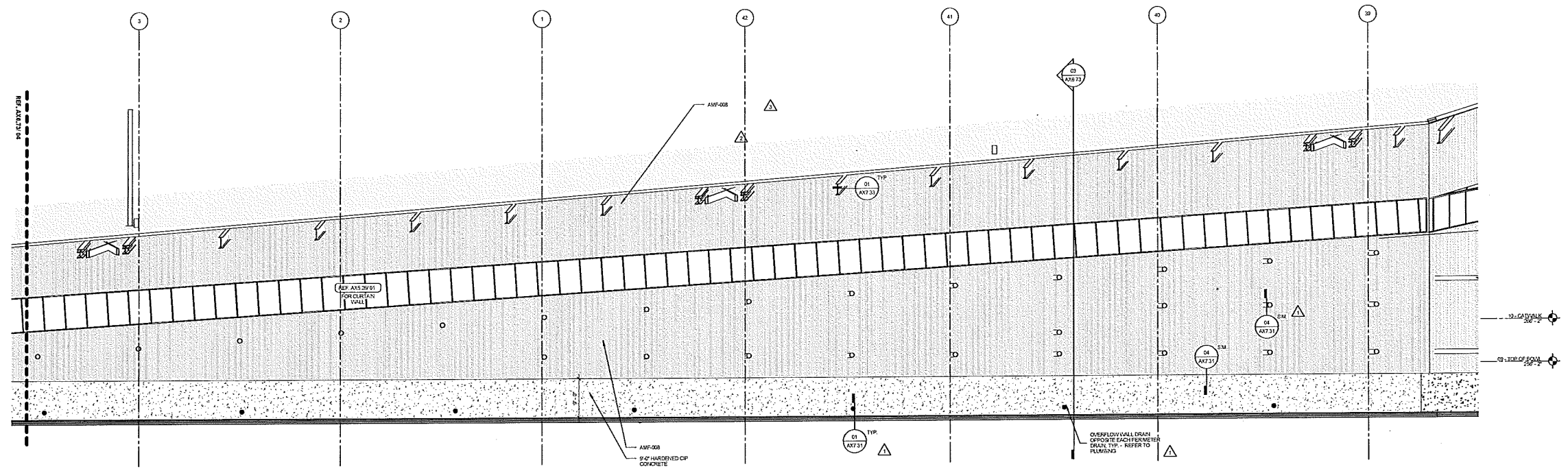
SHEET NO.
AX6.73



03 CATCHMENT SECTION AT GRID 40.5
3/16" = 1'-0"



04 SECTION ALONG GRID R1 - EAST END
3/32" = 1'-0"



02 SECTION ALONG GRID R1 - WEST END
3/32" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPONSORS FOOTBALL, LLC
300 SOUTH 7TH STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS, P.C.
300 N. 7TH ST., SUITE 100 DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N. SUITE 600 MINNEAPOLIS, MN 55411

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N. SUITE 600 MINNEAPOLIS, MN 55411

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
10225 WEST 43RD AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 HIGHWAY 100, SUITE 150, DALLAS, TX 75244

CIVIL ENGINEER
EVS, INC.
1250 VALLEY VIEW, SUITE 133, EREN PRARIE, MN 55544

LANDSCAPE ARCHITECT
OLSHANSKY ASSOCIATES
115 WASHINGTON ST., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACOUS TIC DESIGN GROUP
1003 VORIGHT BROTHERS DR., ADDISON, TX 75001

PLUMBING
4801 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8025 EDNAH CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
KOGA RESTAURANT
5025 SCOTT VALENTIA, GREENWOOD VLD, CO 80111

WAYFINDING
SEBERT PERIOD DESIGN
433 OLIVER BLVD., PLANA DEL REY, CA 90233

VERTICAL TRANSPORTATION
ELEVATOR ADDUCTORY GROUP
1450 PENNSYLVANIA AVE., SUITE 500, CHICAGO, IL 60614

ADA CONSULTANT
ED MOTHER CONSULTING LLC
2000 KALSHOF BELLEVUE, LOUISBURG, KS 66003

WIND / SNOW CONSULTANT
EDWARD WILLIAMS ENGINEERS AND ARCHITECTS
801 WOODLAND RD., ST. LOUIS, MO 63104

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
301 N. WYOMING AVE., SUITE 500, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LURCH-BATES, INC.
6028 JACOBI ST., SUITE 105, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THE PLAN SPECIFICATIONS OF REPORT WAS PREPARED BY AN ARCHITECT THAT IS A FULLY LICENSED ARCHITECT IN THE STATE OF MINNESOTA.

Approved: *Linda McCandless*
Arch Reg No: 15289
Date: 04/23/14

Signature: *Linda McCandless*

KEY PLAN

REV. NO. DESCRIPTION DATE

1	CCD-049	05/27/2014
2	AX6.74	01/20/2014
3	CCD-133	05/22/2014
4	CCD-110	01/27/2015

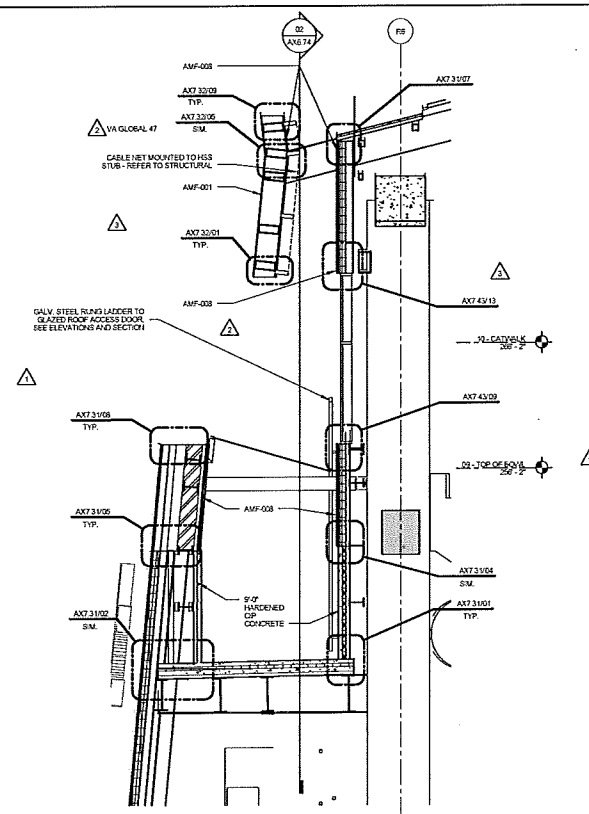
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

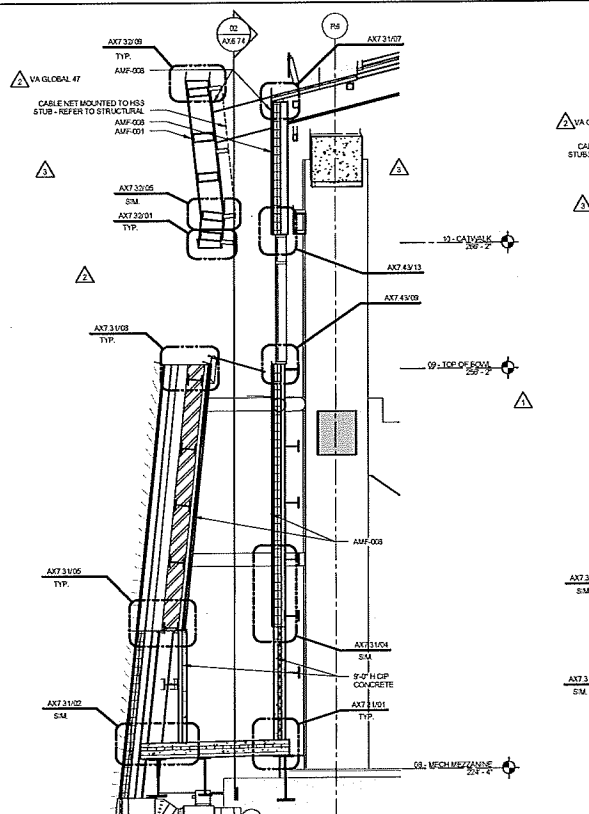
ISSUE
CCD-049

SHEET TITLE
SNOW GUTTER SECTIONS

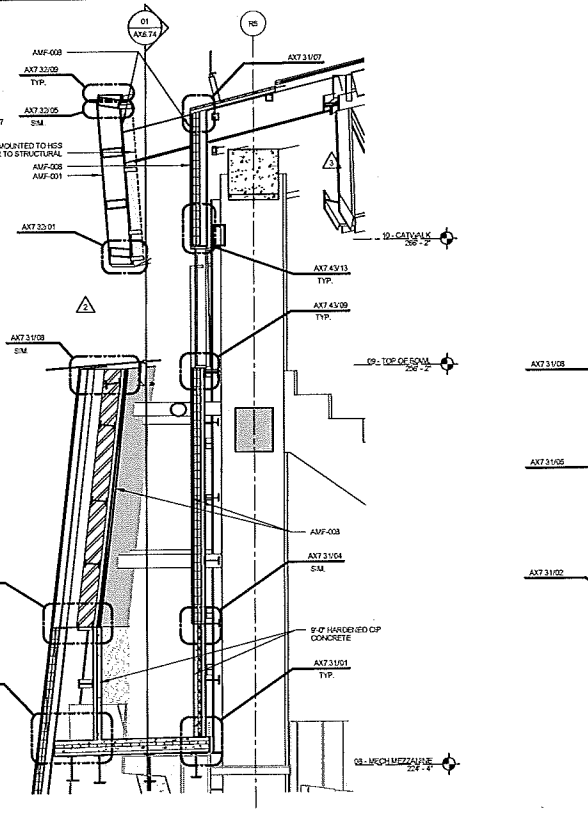
SHEET NO.
AX6.74



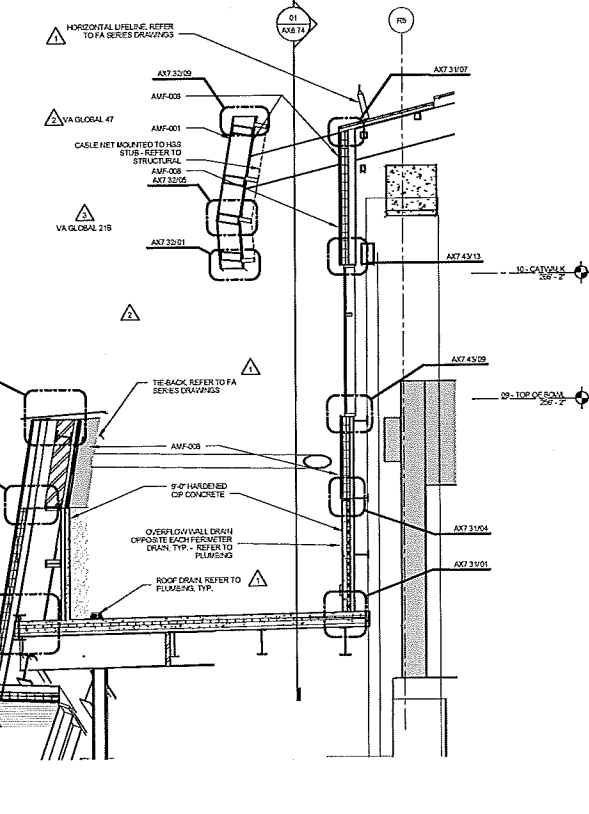
06 CATCHMENT SECTION AT GRID 21
3/16" = 1'-0"



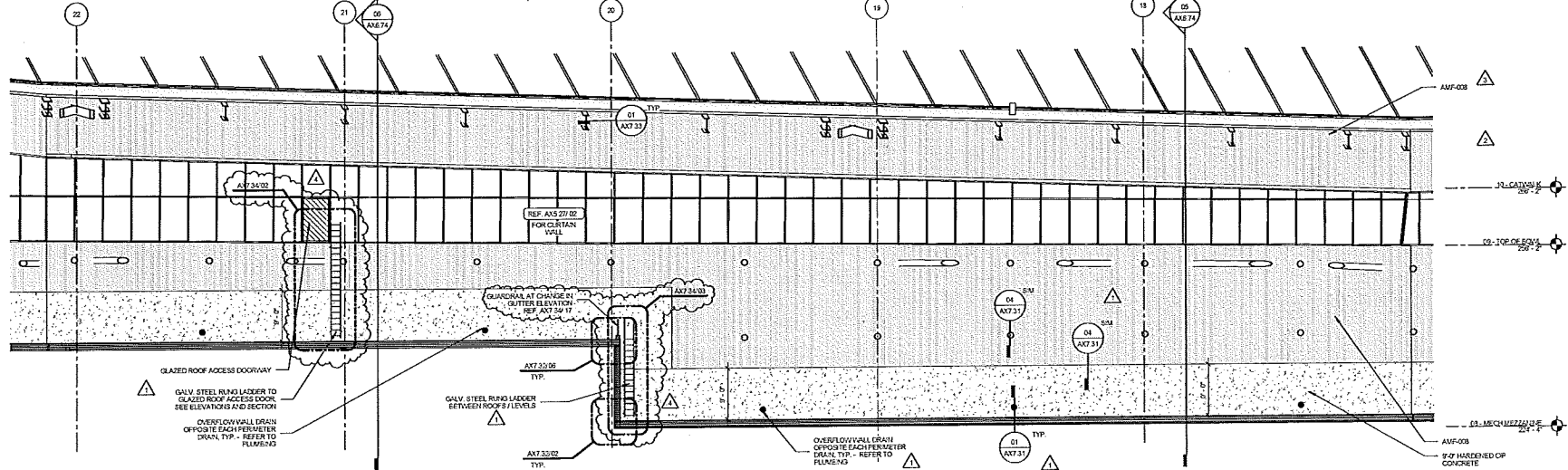
05 CATCHMENT SECTION AT GRID 18
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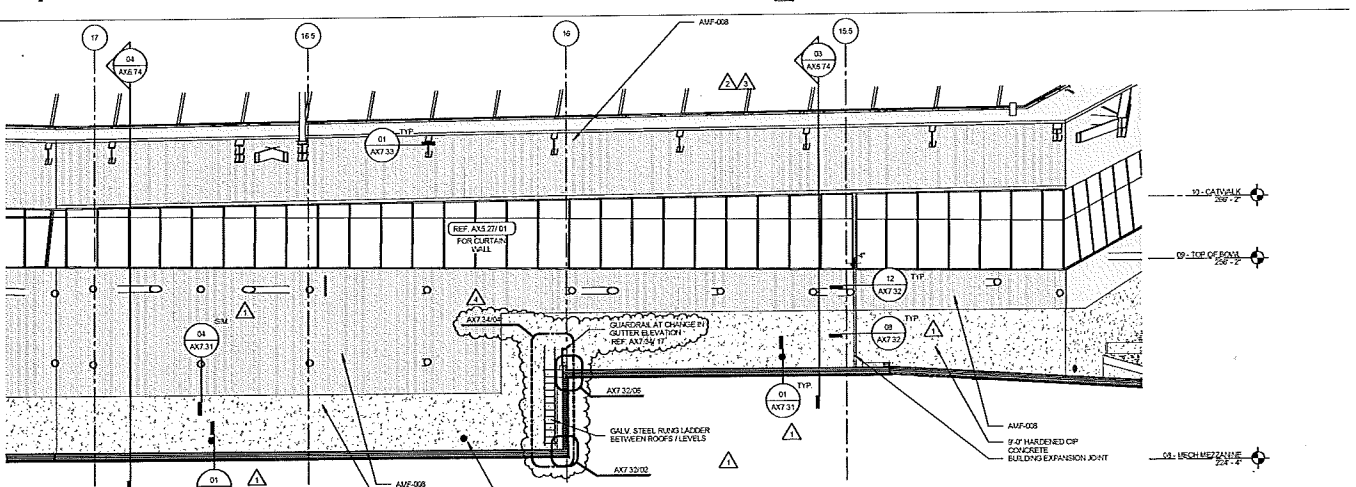
04 CATCHMENT SECTION AT GRID 17
3/16" = 1'-0"



03 CATCHMENT SECTION AT GRID 15.8
3/16" = 1'-0"



02 SECTION ALONG GRID R6 - EAST END
3/32" = 1'-0"



01 SECTION ALONG GRID R5
3/32" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA VOYAGERS FOOTBALL, LLC
5000 WOOD DR., EDEEN PARK, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
301 FALL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
ETIENNE PINE ARCHITECTS
322 EAST AVE. N., SUITE 200, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO/VE
801 NORTH 34TH ST., SUITE 208, MINNEAPOLIS, MN 55412

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, INC.
1055 WEST 4TH AVE., 10TH FLOOR, CO 80202

STRUCTURAL ENGINEER
THORNTON TOMASETTI
1725 BERRY DR., SUITE 700, LB-7, DALLAS, TX 75251

CIVIL ENGINEER
DVS, INC.
1055 VALLEY VIEW, SUITE 102, EDEEN PARK, MN 55424

LANDSCAPE ARCHITECT
OSLUND AND ASSOCIATES
1010 HANCOCK AVE. N., MINNEAPOLIS, MN 55412

AUDIO VISUAL CONSULTANTS
ACUSTIC DESIGN GROUP
10228 WRIGHT BROTHERS DR., ADDICKS, TX 75001

MECHANICAL
4811 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
8001 42ND AVE., SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
FOCA MANAGEMENT
555 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
SEBERRY PINKUS DESIGN
432 OLIVER BLVD., PLAZA DEL REY, CA 90293

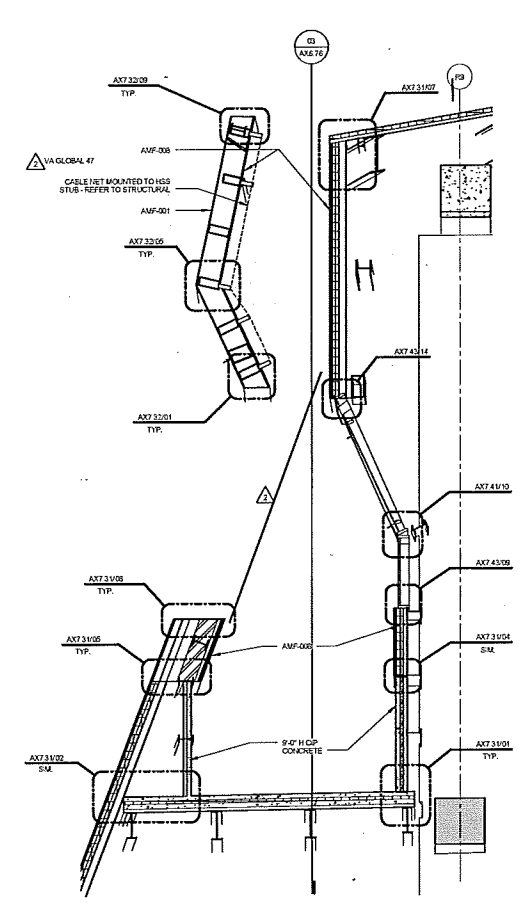
VERTICAL TRANSPORTATION
ELEVATOR AND ESCAPE GROUP
1450 PENNSYLVANIA, SAINT PAUL, MN 55114

ADA CONSULTANT
ADA DESIGN CONSULTANTS, LLC
2080 MISSOURI BELLEVUE, LOUISBURG, KS 66203

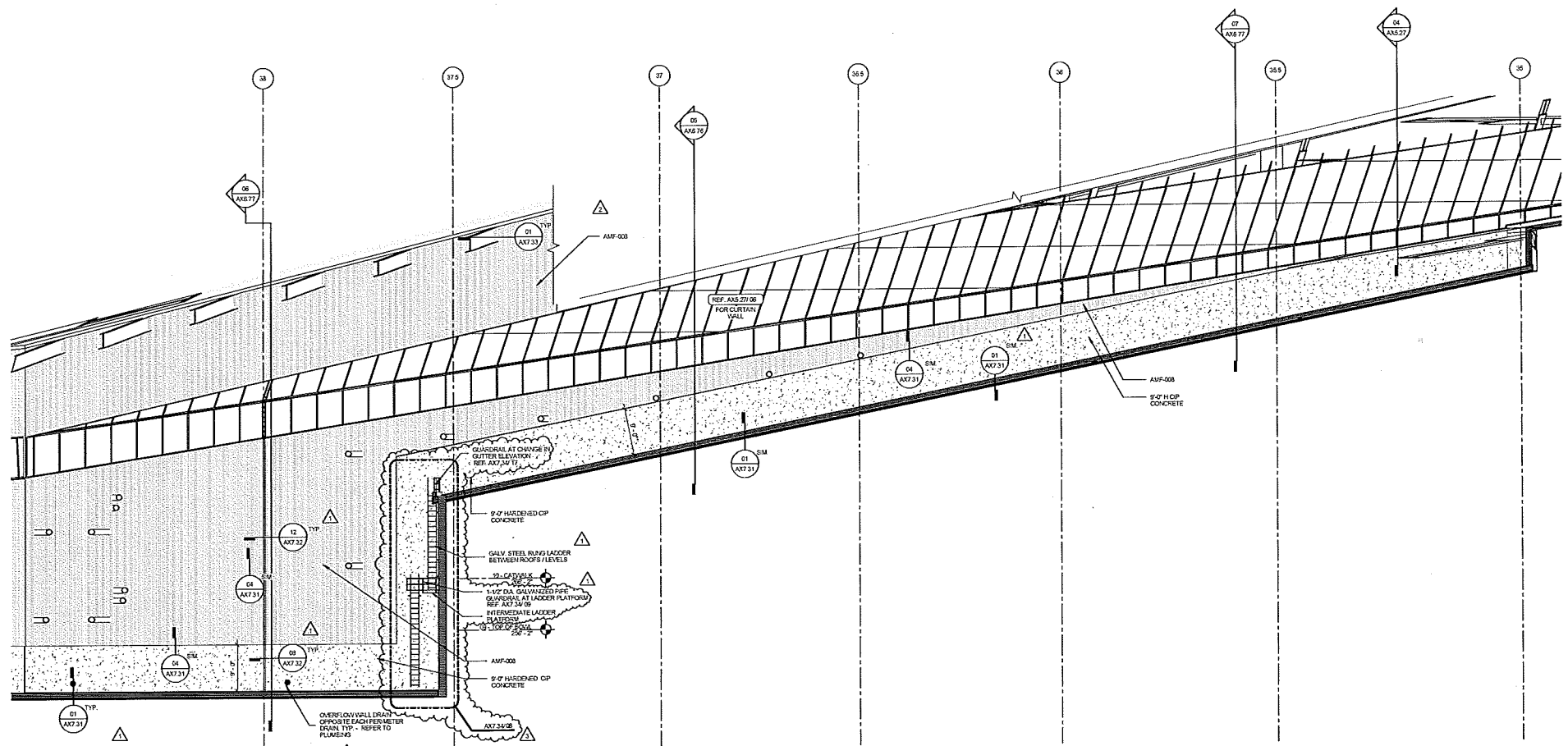
WIND / SNOW CONSULTANT
RONALD WILKINS ENGINEERS AND ARCHITECTS, INC.
800 WASHINGTON RD. W., GALELPH, ONTARIO, ONTARIO, CANADA N1H 1K5

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI BUILDING ENVIRONMENTAL
320 N WABASH AVE., SUITE 1000, CHICAGO, IL 60611

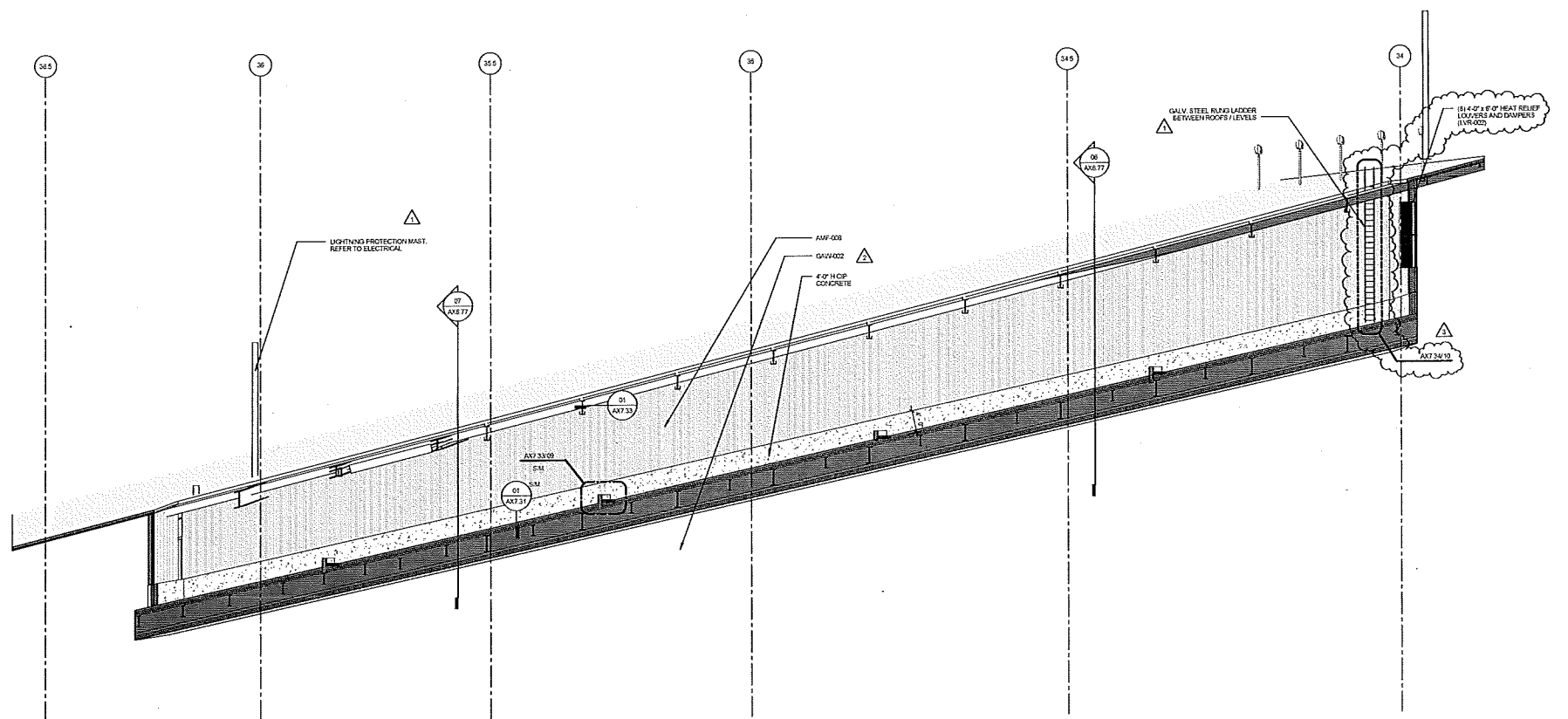
FACADE ACCESS CONSULTANT
LEITCH BATES INC.
605 E. COLLETT ST., SUITE 102, LITTLETON, CO 80122



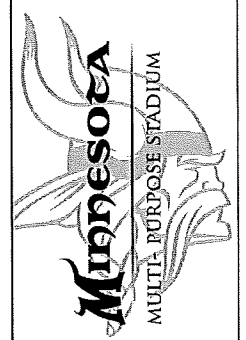
05 CATCHMENT SECTION AT GRID 37
3/16" = 1'-0"



03 SECTION ALONG GRID R9 - EAST END
3/32" = 1'-0"



02 SECTION ALONG GRID R9 - HIGH GUTTER
3/32" = 1'-0"



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: *[Signature]*
Arch. Reg. No.: 15683
Date: 5/15/2015

KEY PLAN

10	11	12	1
9	15	13	2
8	14	3	3
7	6	5	4

REV. NO.	DESCRIPTION	DATE
1	CCD-049	06/02/2014
2	REVISED	02/02/2014
3	CCD-112	6/15/2015

HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
SNOW GUTTER SECTIONS

SHEET NO.
AX6.76

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA VOYAGES FOOTBALL, LLC
600 VOYAGE DR., EDEEN FRANK, MN 55344

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
200 N. ST. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
801 NORTH 3RD ST., SUITE 208, MINNEAPOLIS, MN 55401

M/E/P / TECHNOLOGY / LIGHTING
H & E ENGINEERS, P.C.
10555 WEST 43RD AVE., VAREAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MERIT DR., SUITE 700 LB-7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, INC.
12550 VALLEY VIEW, SUITE 120, EDEEN FRANK, MN 55344

LANDSCAPE ARCHITECT
COLLETT AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACCELUS CONSULTANTS
15553 VARGENT BROTHERS DR., ADDISON, TX 75001

CODE / FIRE PROTECTION
FSC, INC.
8225 NEWMAN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
RUGGIA RESTAURANTS
3255 SOUTHVALE AVENUE, GREENWOOD VLG, CO 80111

WAYFINDING
SELECTED PERSONS DESIGN
402 GARDNER BLVD., PLAINFIELD, NJ, CA 90203

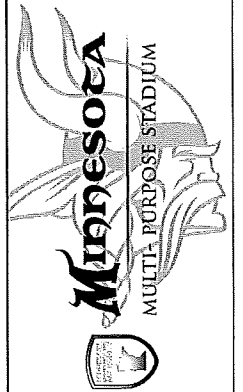
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1650 PERKINS AVE., SAINT PAUL, MN 55114

ADA CONSULTANT
ED BROTHER CONSULTING, LLC
2090 MISSOURI BELLEVUE, LINCOLN, NE 68503

WIND / SNOW CONSULTANT
ROTHMAN WILLIAMS, DAVIES AND RIVIN, INC.
801 WOODLAWN RD., YU, CALIFORNIA, CA 94504

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SOLUTIONS PRACTICE
307A WISCONSIN AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEITCH GATES, INC.
8282 LIPKOPF ST., SUITE 102, LITTLETON, CO 80120



CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS SPECIFICATIONS OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Architect: Linda MacCormack
Arch. Reg. No.: 15439
Date: 02/20/14

Signature: *Linda MacCormack*

KEY PLAN

10	11	12	1
9	13	14	2
8	15	16	3
7	6	5	4

REV	NO.	DESCRIPTION	DATE
1	000-000		02/20/14
2	ASB-104		02/20/14
3	000-000		02/20/14

HKS PROJECT NUMBER
16246.000

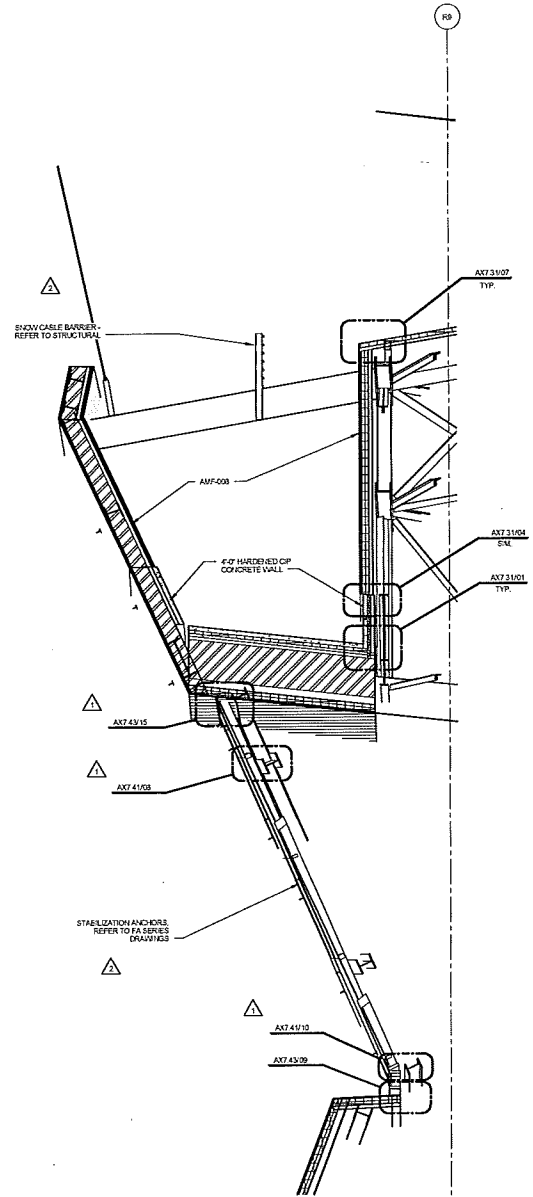
DATE
APRIL 2, 2014

ISSUE
CCD-049

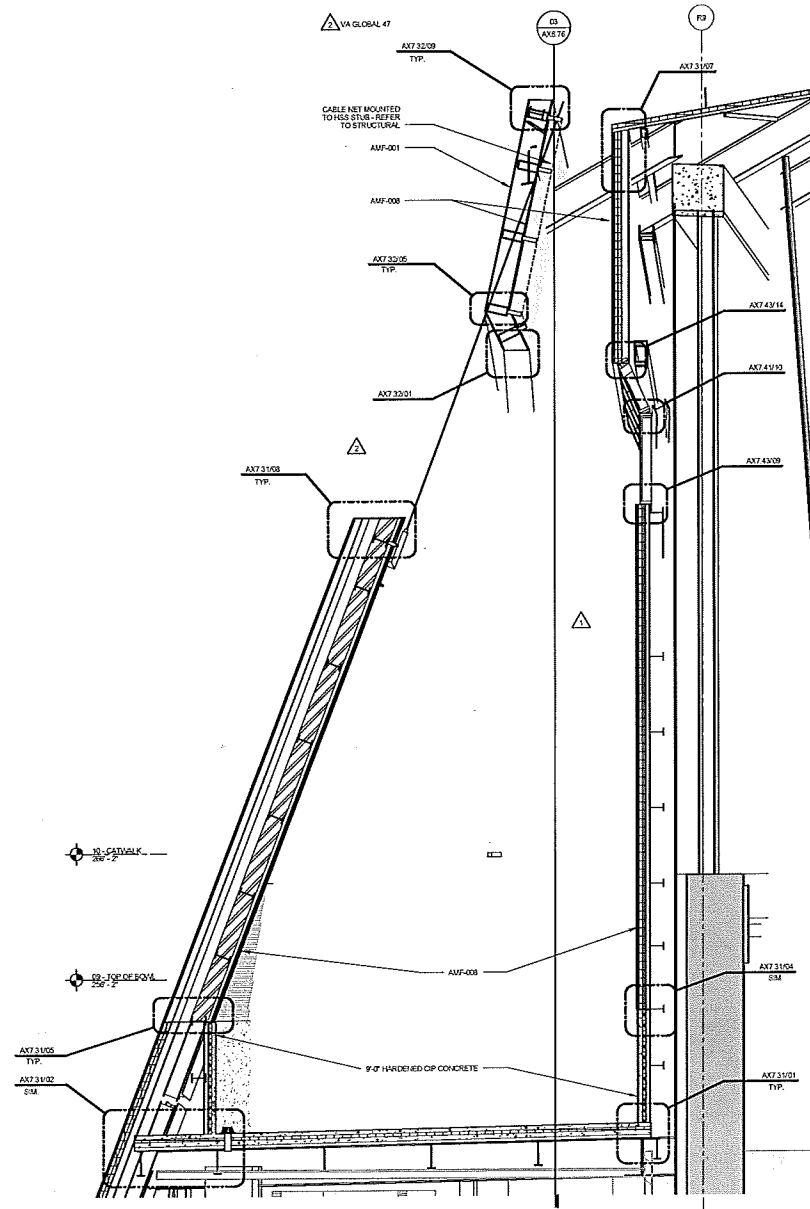
SHEET TITLE
SNOW GUTTER SECTIONS

SHEET NO.

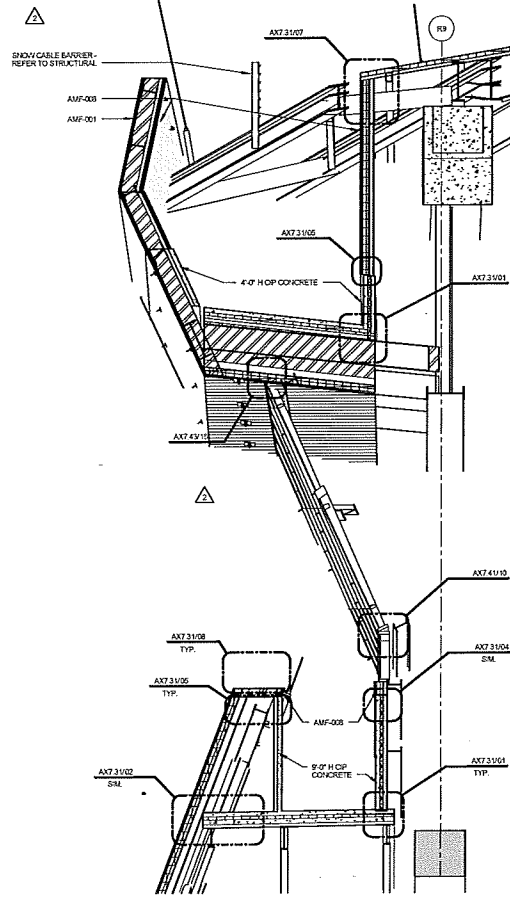
AX6.77



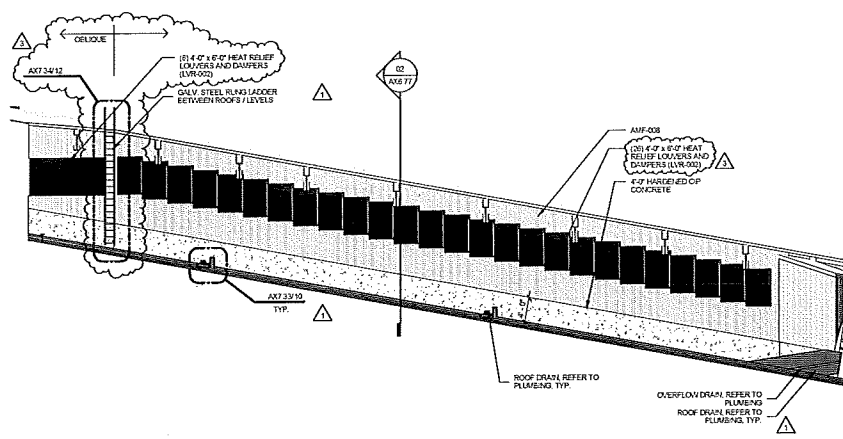
05 CATCHMENT SECTION AT GRID 34.5
3/16" = 1'-0"



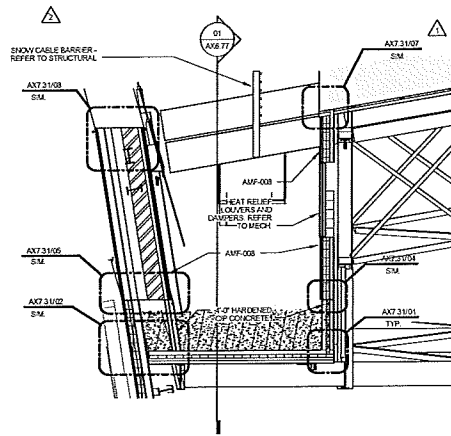
06 CATCHMENT SECTION AT GRID 36
3/16" = 1'-0"



07 CATCHMENT SECTION AT GRID 35.5
3/16" = 1'-0"



01 SOUTH PROW GUTTER
3/32" = 1'-0"



02 SOUTH PROW GUTTER - SECTION
3/16" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA WINGS FOOTBALL, LLC
6055 VIKING DR., EDEN PRAIRIE, MN 55424

ARCHITECT / INTERIORS / BRANDING
HKS INC.
205 N. 5TH AVE., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
ARCHITECTS
322 FIRST AVE. N., SUITE 800, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO HIVE
801 NORTH 3RD ST., SUITE 228, MINNEAPOLIS, MN 55412

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS P.C.
10555 WEST 43RD AVE., WENAT RIDGE, CO 80233

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MERIT DR., SUITE 700, L.B. DALLAS, TX 75251

CIVIL ENGINEER
HKS INC.
10220 VALLEY VIEW, SUITE 102, EDEN PRAIRIE, MN 55424

LANDSCAPE ARCHITECT
COLLINS AND ASSOCIATES
1155 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUICCI CONSULTANTS
10308 WRIGHT BROTHERS DR., ADDISON, TX 75001

WAVY
4517 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC INC.
8078 HANCOCK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
ROCKAWAY
620 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
SELECT PERSONS DESIGN
432 CHAMBERLAIN, PLAZA DEL REY, CA 90233

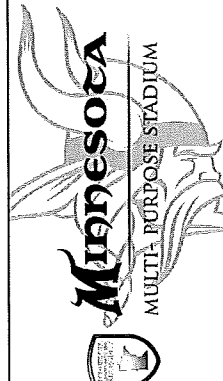
VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1400 HERSCOCK AVE., SAINT PAUL, MN 55104

ADA CONSULTANT
EDGOTHEIN CONSULTING, LLC
2200 WISCONSIN BELLEVUE, LOUISBURG, KS 66003

WIND / SNOW CONSULTANT
HOWAN WILLIAMS, DAVIES AND PERRY, INC.
600 WOODLAND AVE., W. GLEN PL., ONTARIO, CANADA N1K 1E3

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDINGS GROUP PRACTICE
300 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEITCH BATES, INC.
809 UNCOMBAT, SUITE 104, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICALLY COMPLIES WITH ALL REQUIREMENTS OF THE MINNESOTA BUILDING CODE AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Arch: [Signature]
Arch No: 1550
Date: 02/20/14
Signature: [Signature]

KEY PLAN

REV.	NO.	DESCRIPTION	DATE
1	000-000	ISSUED FOR PERMITS	02/20/14
2	000-001	ISSUED FOR PERMITS	02/20/14
3	000-002	ISSUED FOR PERMITS	02/20/14
4	000-003	ISSUED FOR PERMITS	02/20/14
5	000-004	ISSUED FOR PERMITS	02/20/14
6	000-005	ISSUED FOR PERMITS	02/20/14
7	000-006	ISSUED FOR PERMITS	02/20/14
8	000-007	ISSUED FOR PERMITS	02/20/14

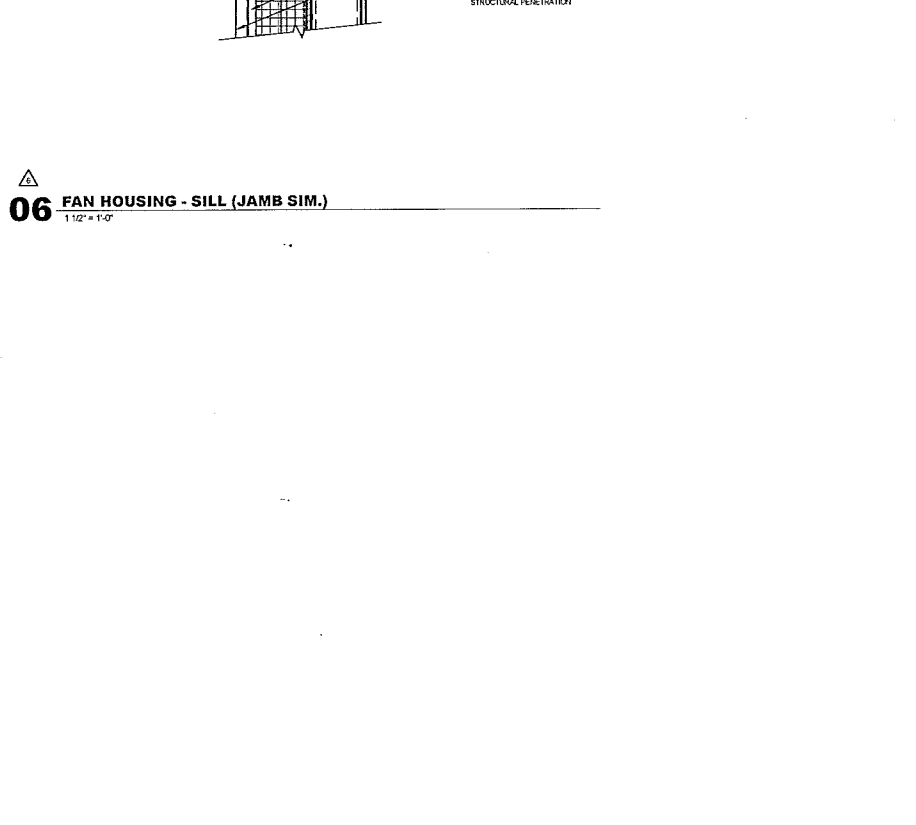
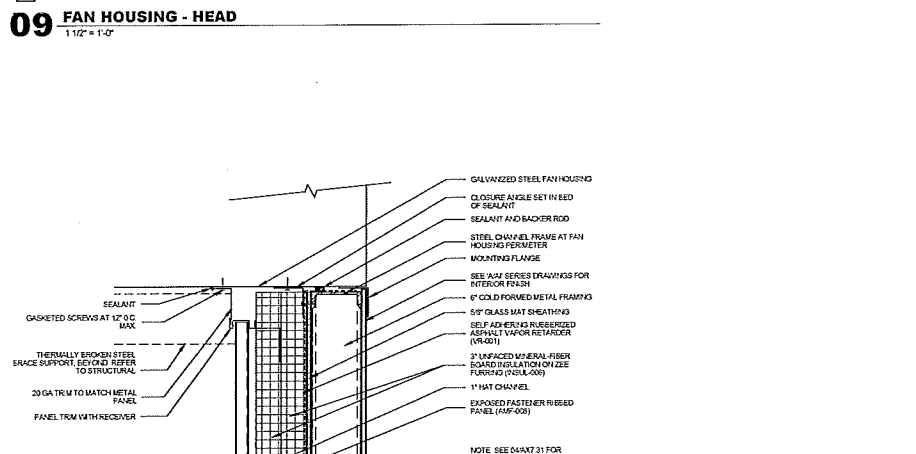
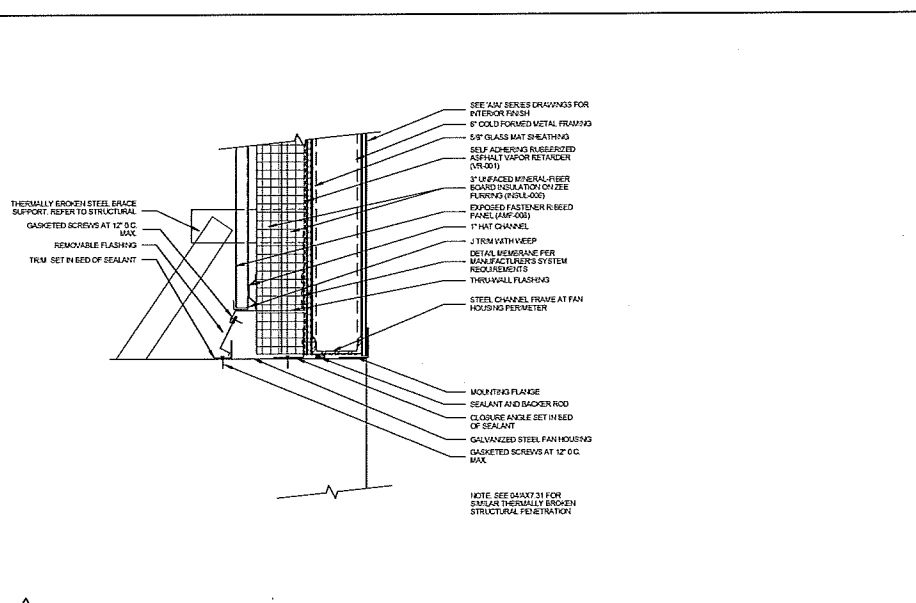
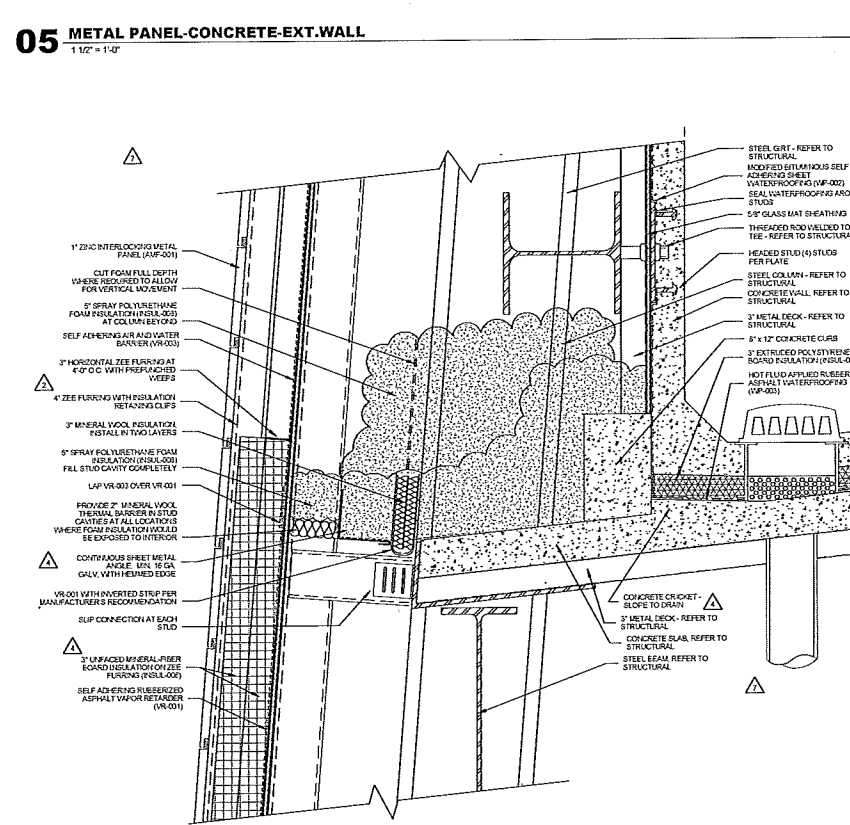
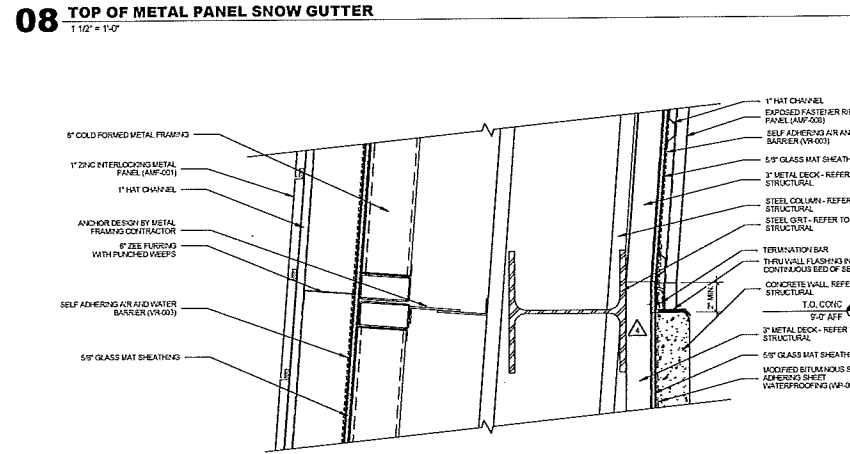
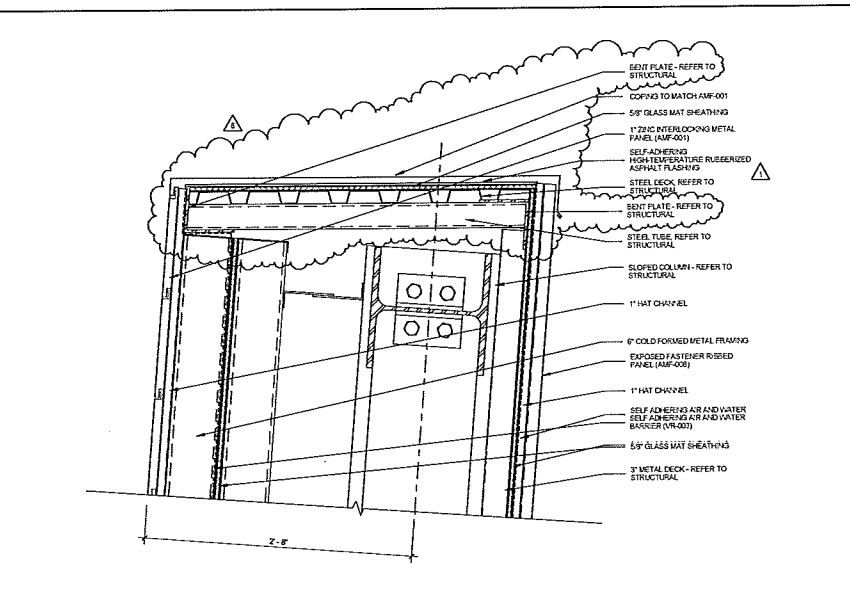
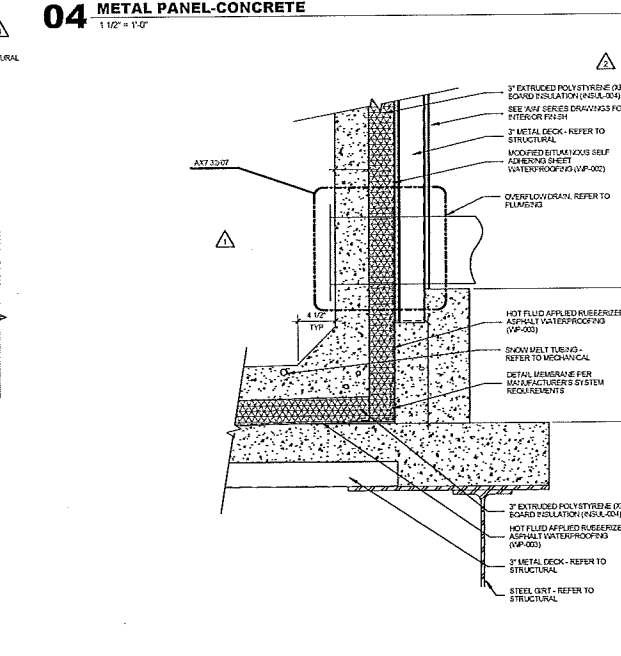
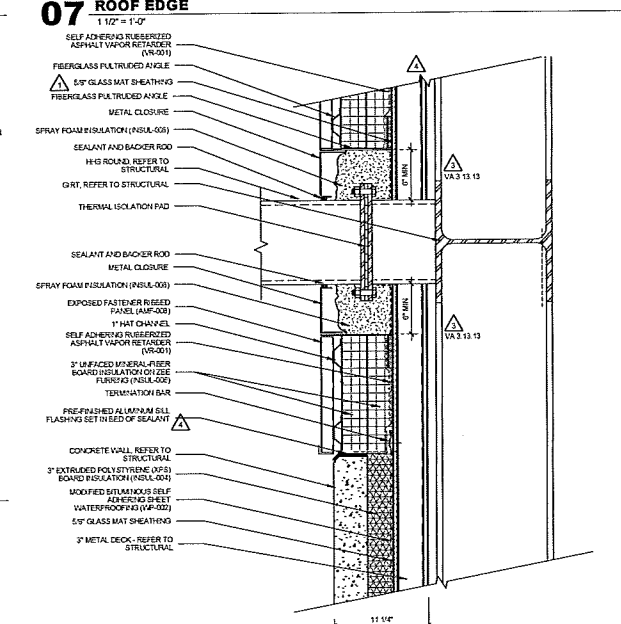
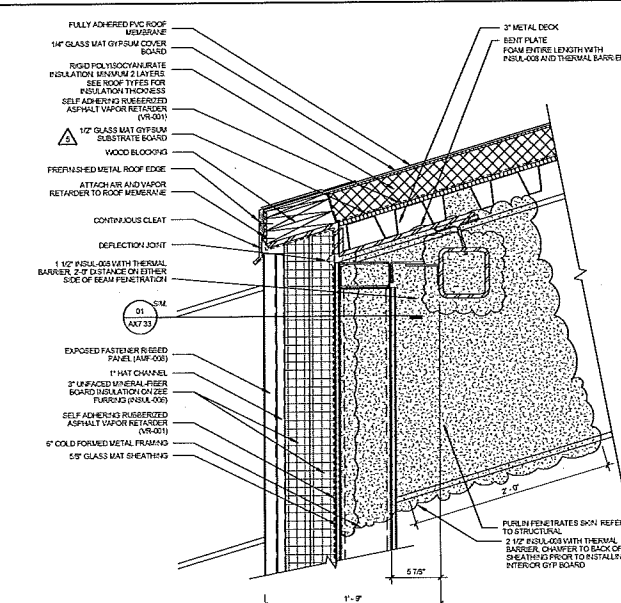
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

ISSUE
CCD-049

SHEET TITLE
SNOW CATCHMENT BASIN DETAILS

SHEET NO.
AX7.31



PLOT DATE: 02/20/14
TEMPLATE VERSION: 2.03.2014

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH W STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
HKS INC
201 N. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 WEST AVE. N. SUITE 300, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE ARCHITECTS
322 WEST AVE. N. SUITE 300, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
185 WEST 41st AVE., SUITE 200, DENVER, CO 80202

STRUCTURAL ENGINEER
THORNTON TOMASETTI
1700 WEST 9TH, SUITE 700, L.B.T. DALLAS, TX 75211

CIVIL ENGINEER
EVS, INC.
105 VALLEY VIEW, SUITE 100, EDEEN PARK, MN 55424

LANDSCAPE ARCHITECT
GULAND ASSOCIATES
18 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACUSTIC DESIGN
1000 WRIGHT BROTHERS DR., ADDISON, TX 75001

WAYFINDING
SELECT FRAME DESIGN
402 CLAYTON BLVD., PLAINFIELD, NJ 07054

VERTICAL TRANSPORTATION
ELEVATOR AND ESCAPE GROUP
1650 PENNSYLVANIA, SUITE 100, CHICAGO, IL 60611

ADA CONSULTANT
EDMUNDS CONSULTING, LLC
2950 WISCONSIN, SHELLEVILLE, MISSOURI, MO 65053

WIND / SNOW CONSULTANT
HOWARD WILSON, DONNER AND ZUPAN, P.C.
800 WOODLAND RD. WY., GUELPH, ON CANADA N1K 1B3

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
300 N. WASHINGTON AVE., SUITE 1000, CHICAGO, IL 60611

FACADE ACCESS CONSULTANT
LEITCH MATTHEWS
800 S. DEXTER ST., SUITE 100, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Arch No: 1523
Date: 02/02/15
Signature: *[Signature]*

KEY PLAN

REV	NO	DESCRIPTION	DATE
1	02/02/15	02/02/15	02/02/15
2	02/02/15	02/02/15	02/02/15
3	02/02/15	02/02/15	02/02/15
4	02/02/15	02/02/15	02/02/15
5	02/02/15	02/02/15	02/02/15

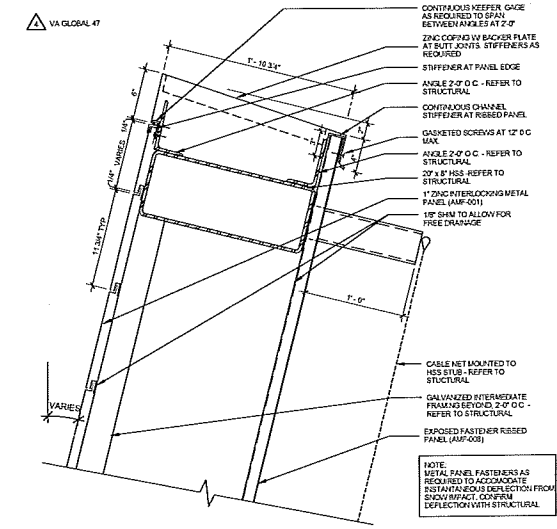
HKS PROJECT NUMBER
16246.000

DATE
APRIL 2, 2014

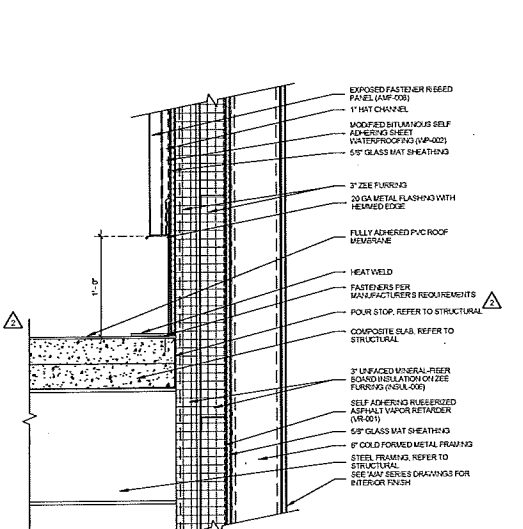
ISSUE
CCD-049

SHEET TITLE
SNOW CATCHMENT BASIN DETAILS

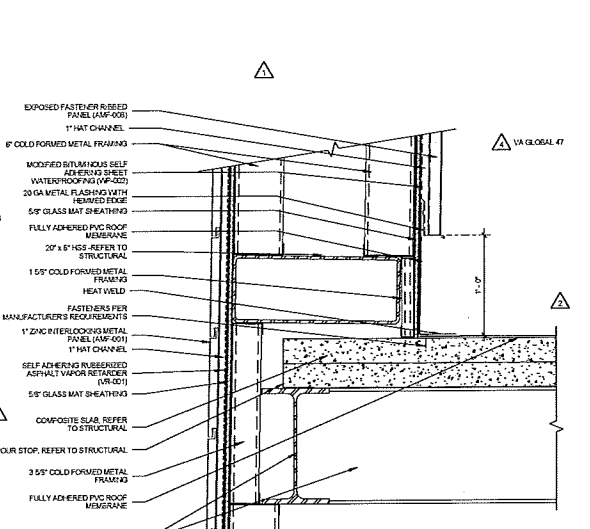
SHEET NO
AX7.32



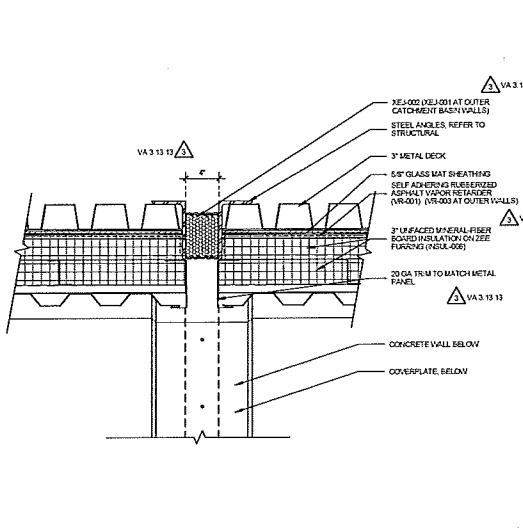
09 SNOW DEFLECTOR HEAD
1 1/2" = 1'-0"



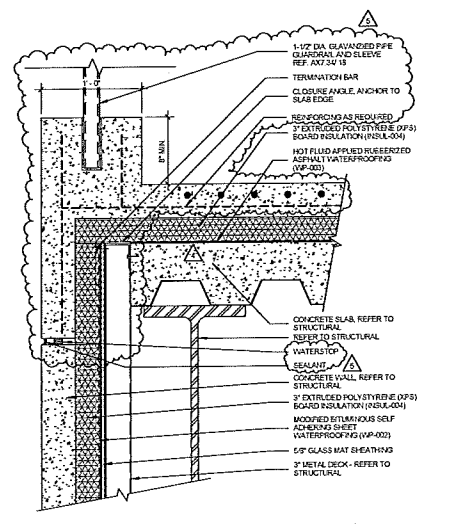
10 UPPER GUTTER FLOOR AT METAL PANEL
1 1/2" = 1'-0"



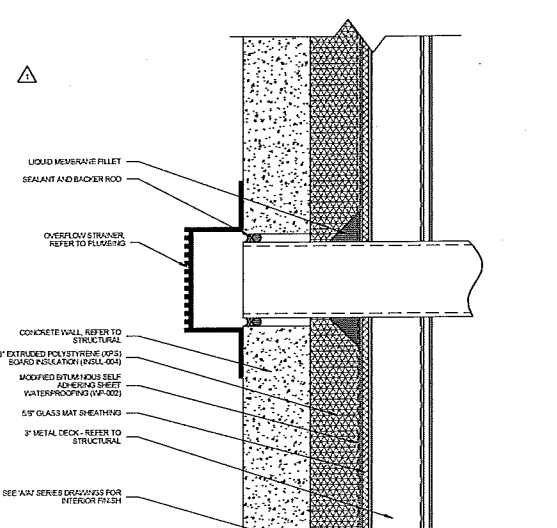
11 UPPER GUTTER FLOOR AT EXT. WALL
1 1/2" = 1'-0"



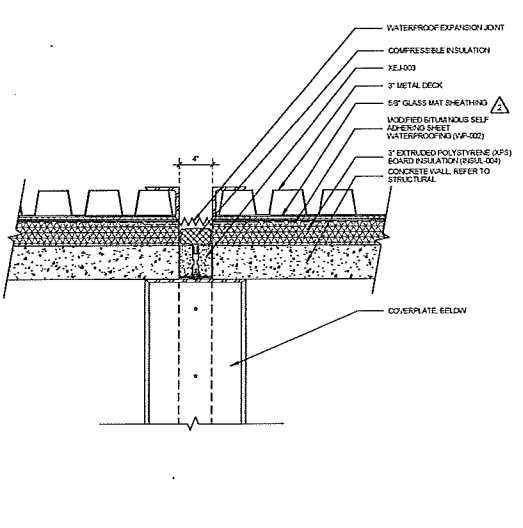
12 EXPANSION JOINT DETAIL AT METAL PANEL
1 1/2" = 1'-0"



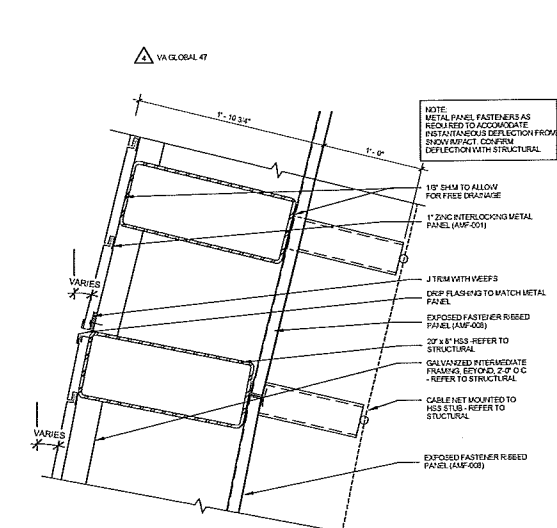
06 SNOW GUTTER CURB
1 1/2" = 1'-0"



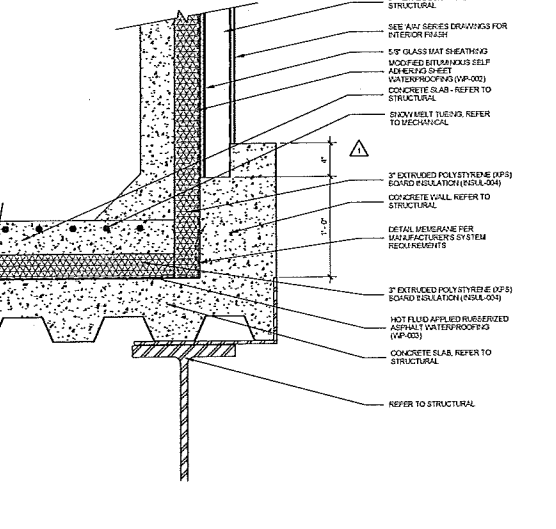
07 OVERFLOW STRAINER
2" = 1'-0"



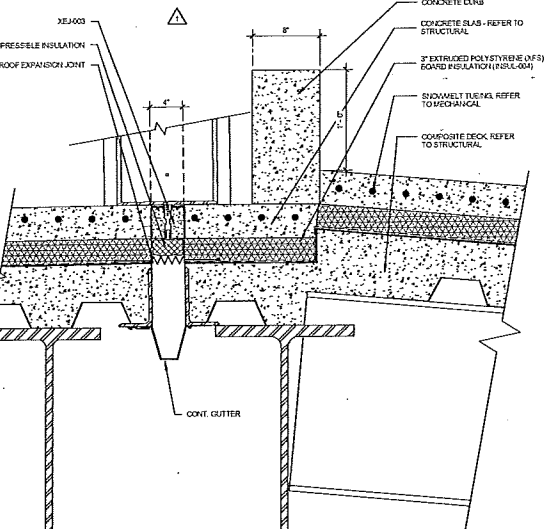
08 EXPANSION JOINT DETAIL AT CONCRETE WALLS
1 1/2" = 1'-0"



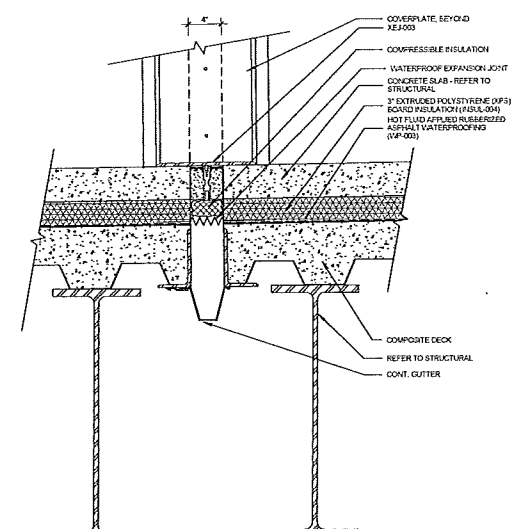
05 BREAK AT SNOW DEFLECTOR
1 1/2" = 1'-0"



02 FLOOR OF SNOW GUTTER
1 1/2" = 1'-0"



03 EXPANSION JOINT AT GUTTER FLOOR DROP
1 1/2" = 1'-0"



04 EXPANSION JOINT DETAIL
1 1/2" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH DR STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA VIKES FOOTBALL LLC
800 SOUTH DR, EEN WARE, MN 55434

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
321 WEST 5TH ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
321 WEST 5TH ST., SUITE 100, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE ARCHITECTS
321 WEST 5TH ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
3005 WEST 46TH AVE., WEST RIVER, CO 80133

STRUCTURAL ENGINEER
THORNTON TOMASETTI
3725 WEST DR., SUITE 700, L.B.T. DALLAS, TX 75251

CIVIL ENGINEER
FVS, P.C.
1005 VALLEY VIEW, SUITE 100, EDEEN PRARIE, MN 55424

LANDSCAPE ARCHITECT
OSLAND AND ASSOCIATES
110 BROADWAY AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
AUDIO VISUAL CONSULTANTS
1500 HENRY BROOKS DR., ADDISON, TX 75001

MEP
4811 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FAC INC
525 NEMAN CREEK, SUITE 300 OVERLAND PARK, KS 66210

FOOD SERVICE
ROCKA MARINE
825 SOUTH VALENTIA, GREENWOOD VLG. CO 80111

WAYFINDING
SELECT PERSONS DESIGN
430 OLIVER BLVD., PLATA DEL REY, CA 90230

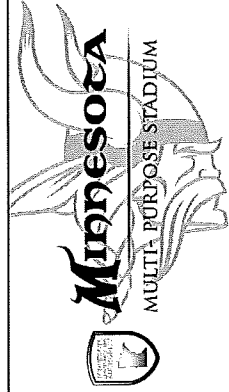
VERTICAL TRANSPORTATION
ELEVATION AND ACCESS GROUP
1430 PENNSYLVANIA, SAINT PAUL, MN 55114

ADA CONSULTANT
ED WATNER CONSULTING LLC
2560 MISSION BELLEVUE, LOUISBURG, KS 66003

WIND / SNOW CONSULTANT
ROMAN WILLIAMS DRIES AND RYAN, P.C.
600 WOODLAWN RD. N., QUELPA, ON CANADA N1K 1K3

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING PRACTICE
330 N. VASAS AVE., SUITE 1000, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEHMANIER INC
808 LINCOLN ST., SUITE 100 LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND SECTION SEE LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

Architect: Lehmanier Inc
Arch. Reg. No.: 1580
Date: 01/23/2015
Signature: [Signature]

REV.	NO.	DESCRIPTION	DATE

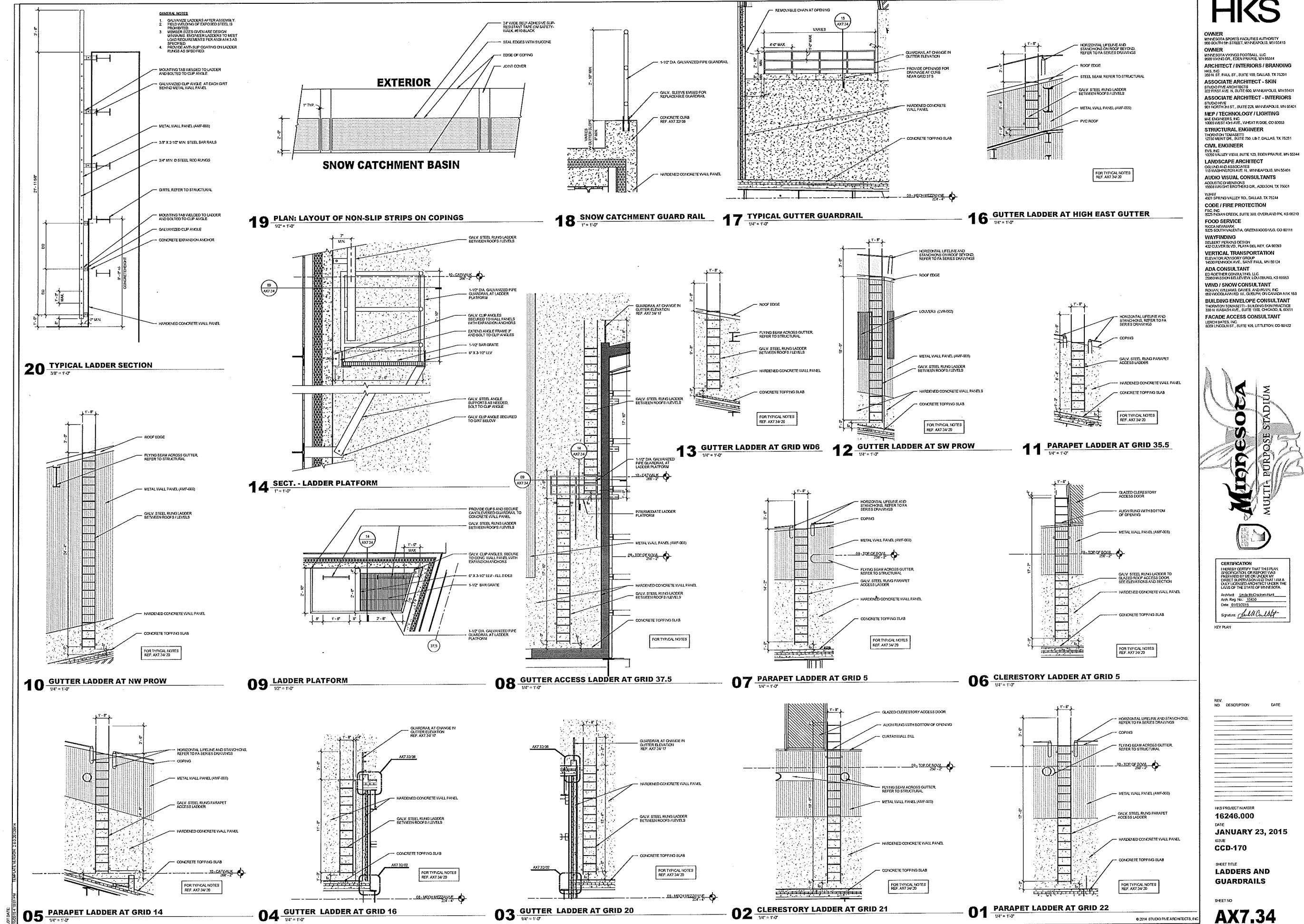
HKS PROJECT NUMBER
16246.000

DATE
JANUARY 23, 2015

NOISE
CCD-170

SHEET TITLE
LADDERS AND GUARDRAILS

SHEET NO.
AX7.34



OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
303 SOUTH 15th STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
MANNEQUIN ARCHITECTURE, LLC
8000 VANDERBILT, EDEN PRARIE, MN 55434

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
300 W. 1st, SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STURROCK PINE ARCHITECTS
322 FIRST AVE. N. SUITE 603, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STURROCK PINE ARCHITECTS
322 FIRST AVE. N. SUITE 603, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
L.E. ENGINEERS, P.C.
16550 WEST 43rd AVE., WRECK RIDGE, CO 80533

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MERIT DR., SUITE 750, LB-7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, INC.
18250 VALLEY VIEW, SUITE 123, EDEN PRARIE, MN 55434

LANDSCAPE ARCHITECT
KUSKO AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION DIMENSIONS
15508 WRIGHT BROTHERS DR., ADDISON, TX 75001

CODE / FIRE PROTECTION
FSC, INC.
9225 POKAN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
RECO HAWAII
5325 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
401 SPRING VALLEY RD., DALLAS, TX 75244

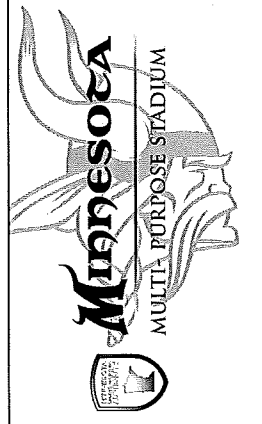
VERTICAL TRANSPORTATION
ELEVATOR AND ESCAPE GROUP
14330 PENNSYLVANIA, BAHIT FALL, MN 55124

ADA CONSULTANT
ED RUTHER CONSULTING, LLC
2550 MISSION BELLEVUE, CARLEBURG, KS 67033

WIND / SNOW CONSULTANT
RODMAN WILLIAMS DAVIES AND PAVOL, INC.
450 WOODLAND RD. W., CHICAGO, IL 60606

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI, BUILDING SKIN PRACTICE
300 N. WABASH AVE., SUITE 1500, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEITCH BATES, INC.
6089 LINDSEY ST., SUITE 101, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS DRAWING, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Engineer: R. John Acker, P.E.
License No.: 47933
Exp. 02/28/2014

Signature: *R. John Acker*

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
1	ISSUE FOR BIDDING	08/28/2014
2	ISSUE FOR PERMITS	09/10/2014
3	ISSUE FOR CONSTRUCTION	09/25/2014
4	ISSUE FOR AS-BUILT	09/25/2014

HKS PROJECT NUMBER
16246.000

DATE
OCTOBER 31, 2013

ISSUE
ROOF STEEL MILL ORDER

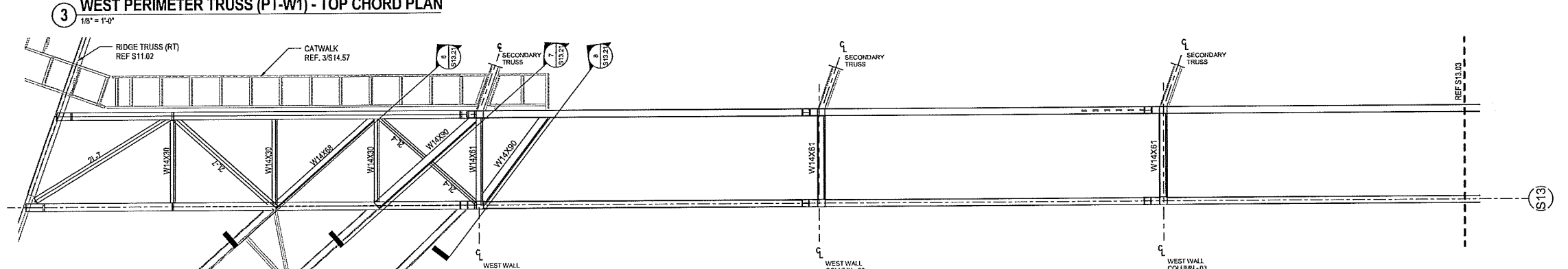
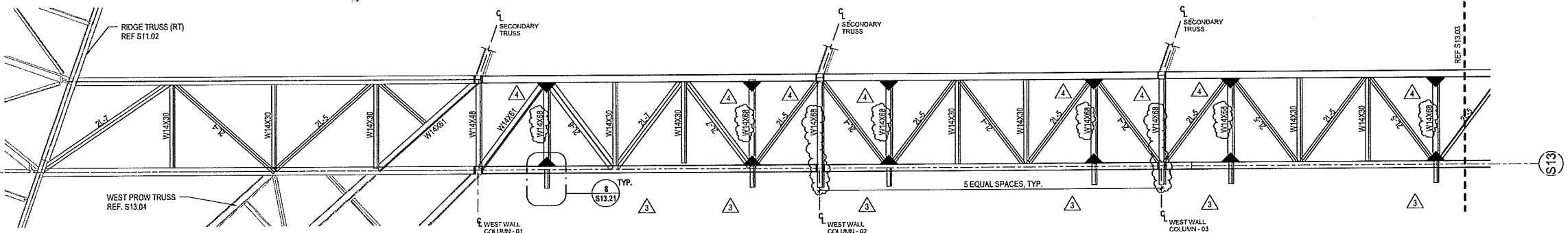
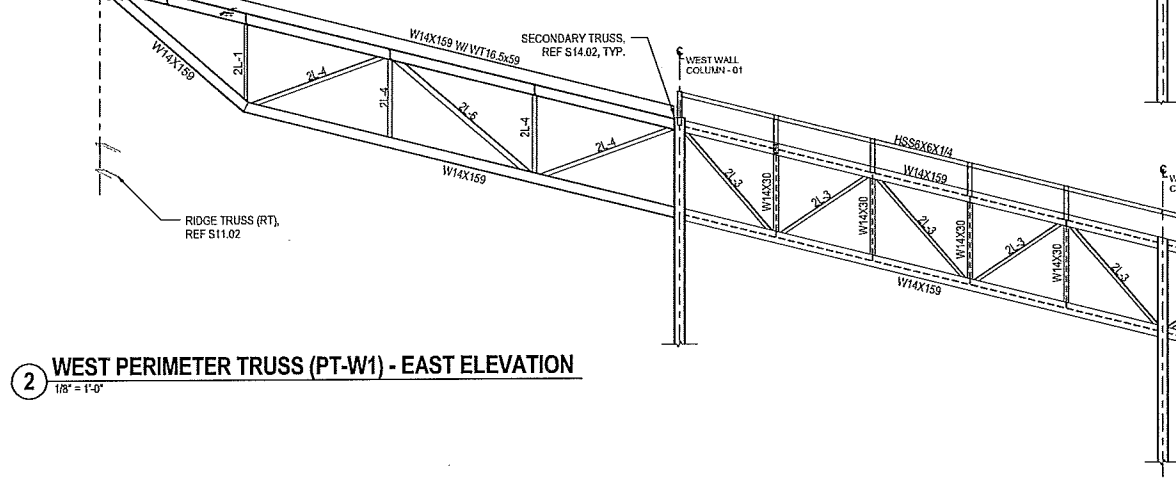
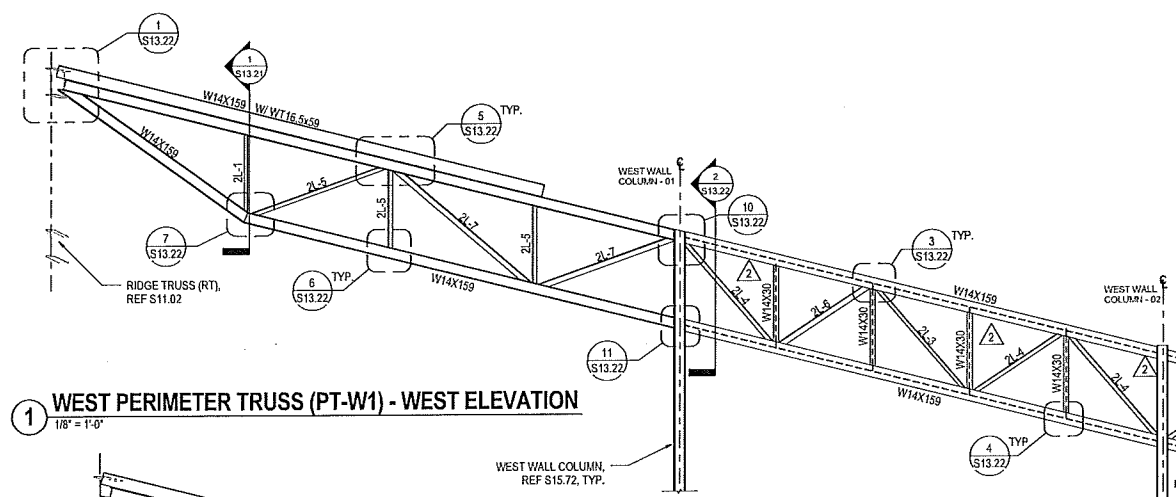
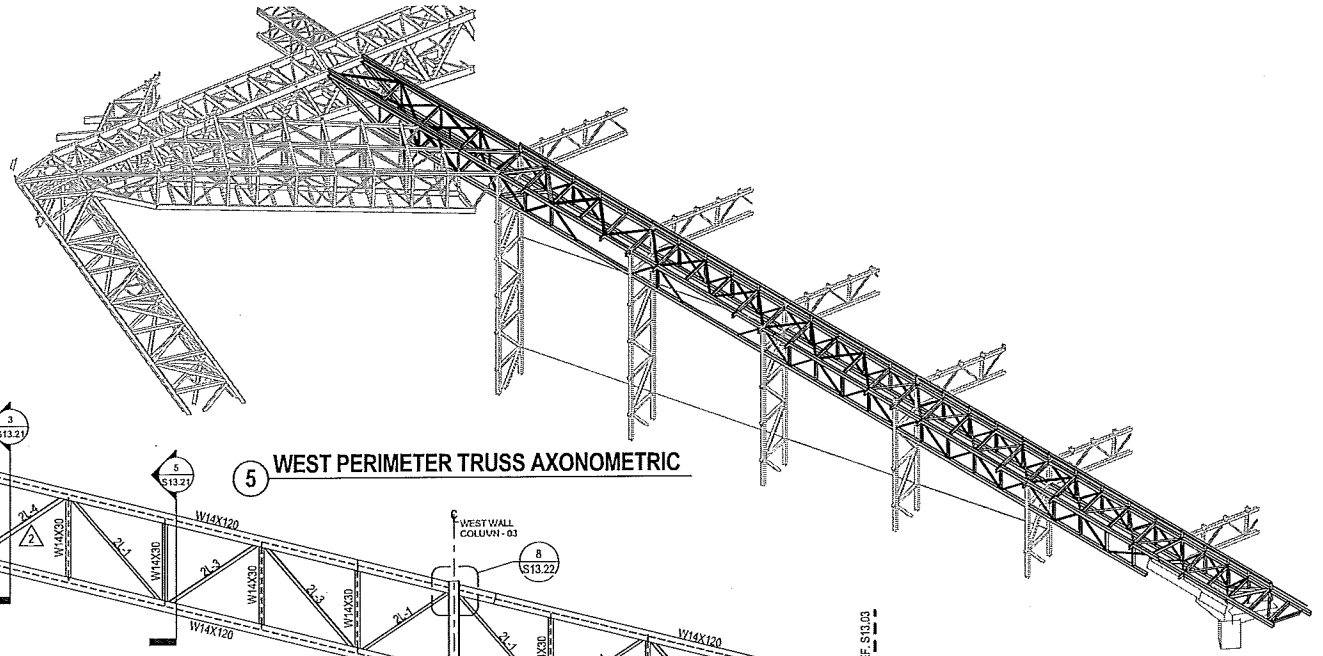
SHEET TITLE
WEST TRUSS ELEVATIONS AND PLANS

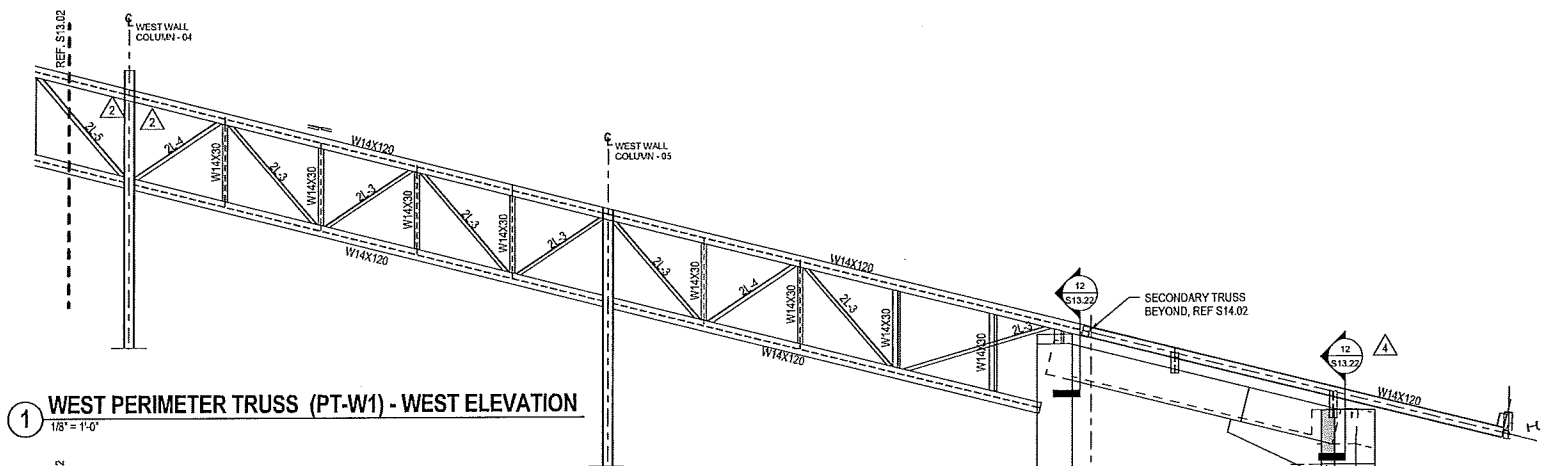
SHEET NO.
S13.02

DOUBLE ANGLE SCHEDULE

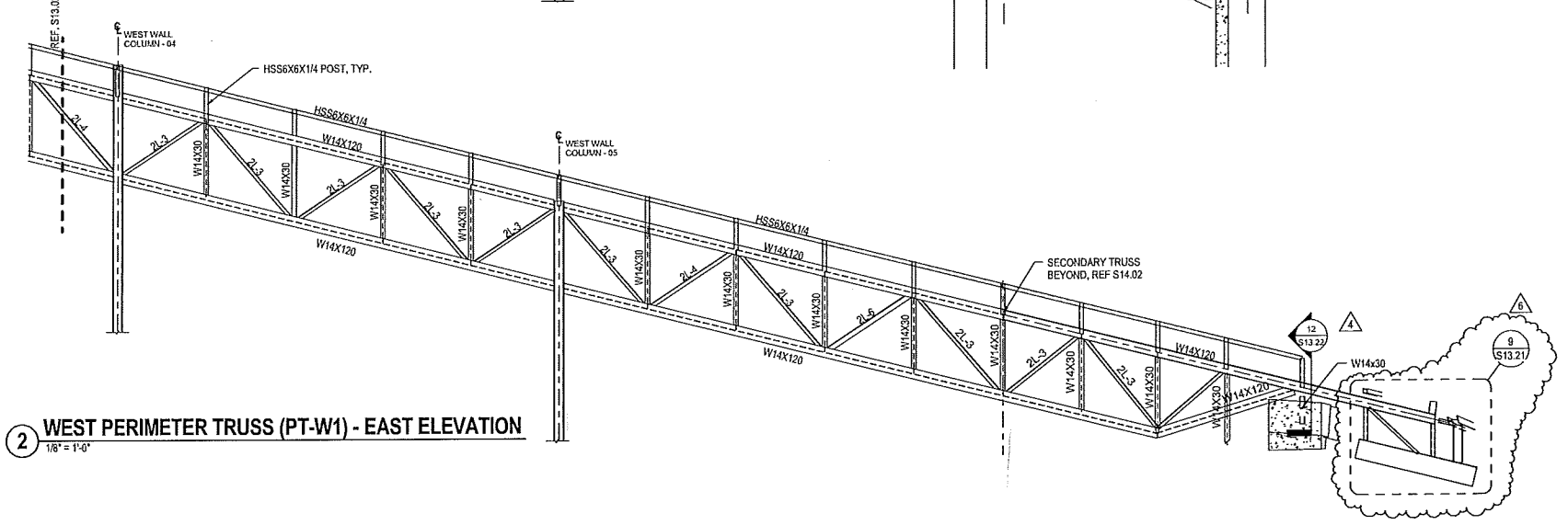
LABEL	SIZE
2L-1	2L-4x3x3/8 LLBB
2L-2	2L-4x3x1/2 LLBB
2L-3	2L-5x3 1/2x1/2 LLBB
2L-4	2L-6x4x5/8 LLBB
2L-5	2L-6x4x7/8 LLBB
2L-6	2L-8x6x3/4 LLBB
2L-7	2L-8x6x1 LLBB
2L-8	2L-8x8x7/8
2L-9	2L-8x8x1 1/8

* CONTRACTORS OPTION TO PROVIDE 2L-6x4x7/8 PER RFI-0039.

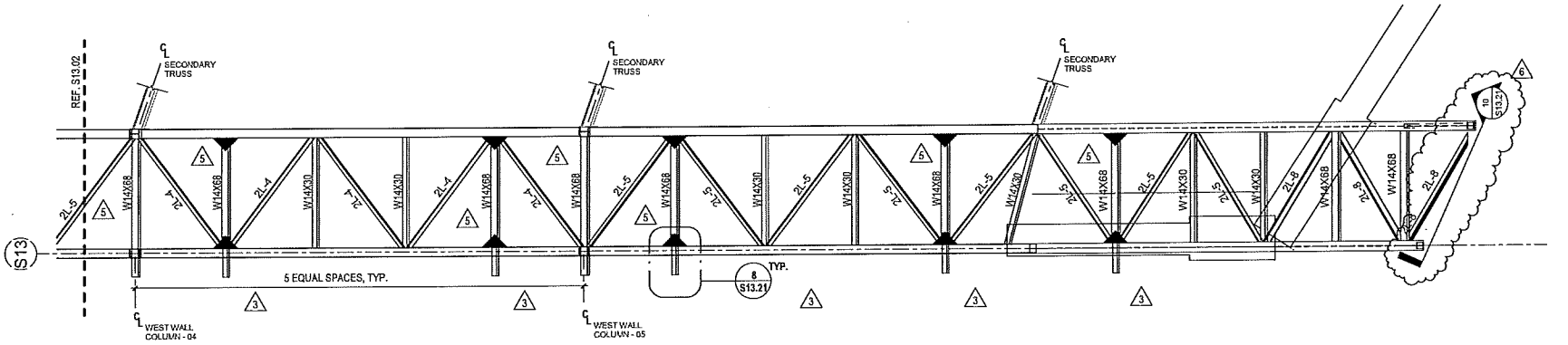




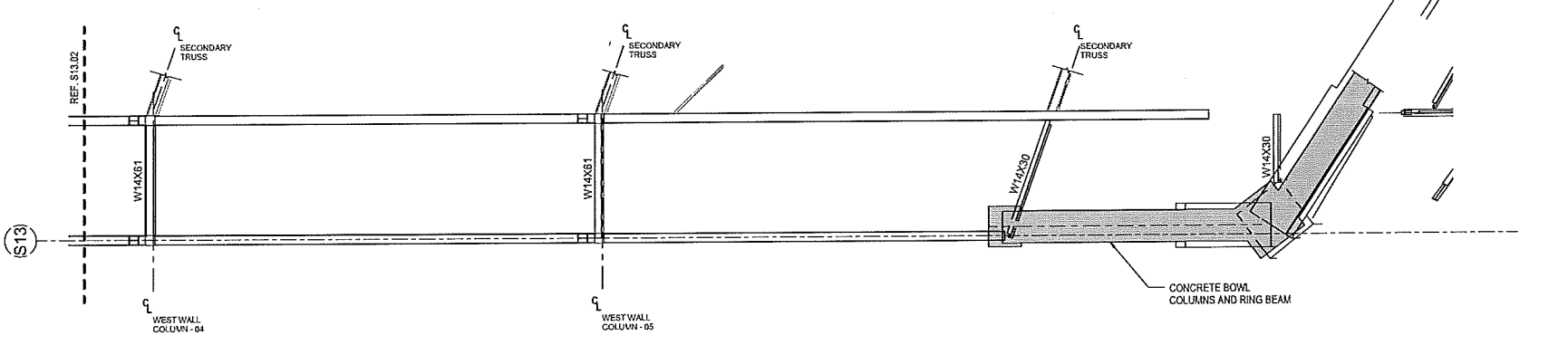
1 WEST PERIMETER TRUSS (PT-W1) - WEST ELEVATION
1/8" = 1'-0"



2 WEST PERIMETER TRUSS (PT-W1) - EAST ELEVATION
1/8" = 1'-0"



3 WEST PERIMETER TRUSS (PT-W1) - TOP CHORD PLAN
1/8" = 1'-0"



4 WEST PERIMETER TRUSS (PT-W1) - BOTTOM CHORDS PLAN
1/8" = 1'-0"

DOUBLE ANGLE SCHEDULE	
LABEL	SIZE
2L-1	2L-4x3x3/8 LLBB
2L-2	2L-4x3x1/2 LLBB
2L-3	2L-5x3 1/2x1/2 LLBB
2L-4	2L-6x4x5/8 LLBB
2L-5*	2L-6x4x7/8 LLBB
2L-6	2L-8x6x3/4 LLBB
2L-7	2L-8x6x1 LLBB
2L-8	2L-8x6x7/8
2L-9	2L-8x6x1 1/8

* CONTRACTORS OPTION TO PROVIDE 2L-6x4x7/8 IN LIEU OF 2L-6x4x5/8 PER RFI-0039.

HKS

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
800 SOUTH 5TH STREET, MINNEAPOLIS, MN 55414

OWNER
MINNESOTA MULTIPURPOSE FOOTBALL LLC
5501 VALLEY DR., EDEN PRAIRIE, MN 55344

ARCHITECT / INTERIORS / BRANDING
192, P.C.
350 N. ST. PAUL, ST. PAUL, MN 55101

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
200 FIRST AVE. N., SUITE 602, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
901 NORTH 34TH ST., SUITE 224, MINNEAPOLIS, MN 55411

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, INC.
1055 WEST 42ND AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
17750 WEST DR., SUITE 750, LIBERTY, TX 75041

CIVIL ENGINEER
EVS, INC.
10250 VALLEY VIEW, SUITE 121, EDEN PRAIRIE, MN 55344

LANDSCAPE ARCHITECT
DELANO AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACQUISITION CONSULTING
1500 WURGHIT EPOCHERIS DR., ADDICKS, TX 75001

W14X30
4501 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
2025 NEWMAN CREEK, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
RSCA MEATWORKS
3325 SOUTH VALENTIA, GREENWOOD VLD, CO 80111

WAYFINDING
SELBERT PERSONS DESIGN
432 CALVERT BLVD., PLAZA DEL REY, CA 90233

VERTICAL TRANSPORTATION
ELEVATOR AND STAIR GROUP
14530 PENNINGTON AVE., SAINT PAUL, MN 55124

ADA CONSULTANT
ED ROSEBUSH CONSULTING LLC
2555 MISSION BELLEVUE, LOANBURG, KS 66353

WIND / SNOW CONSULTANT
ROSWAL WILLIAMS, DANIELS AND BRYNE, INC.
650 WOOD AUSTIN RD. W., GUELPH, ON CANADA N1K 1K3

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
200 N. WABASH AVE., SUITE 1200, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LFRCH BATES, INC.
6038 LINCOLN ST., SUITE 105, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS DRAWING, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Engineer: *John A. Smith, P.E.*
License No.: 00000
Exp. Date: 12/31/2014
Signature: *John A. Smith*

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
1	CFD-013 BOOMERBALL ADDN	01/27/2014
2	CFD-047	01/24/2014
3	CFD-066	01/20/2014
4	CFD-076	01/20/2014
5	AS-106	07/25/2014
6	AS-117	08/15/2014

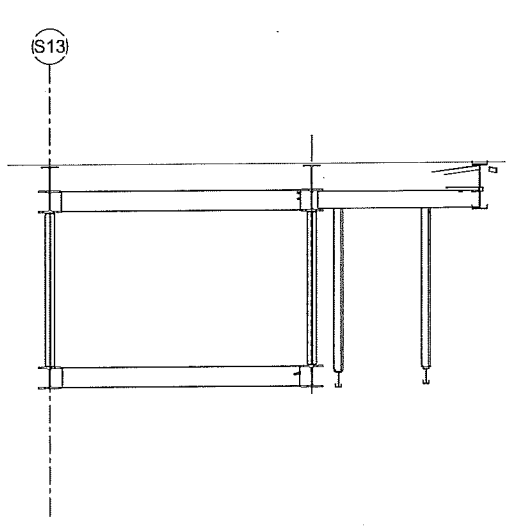
HKS PROJECT NUMBER
16246.000

DATE
OCTOBER 31, 2013

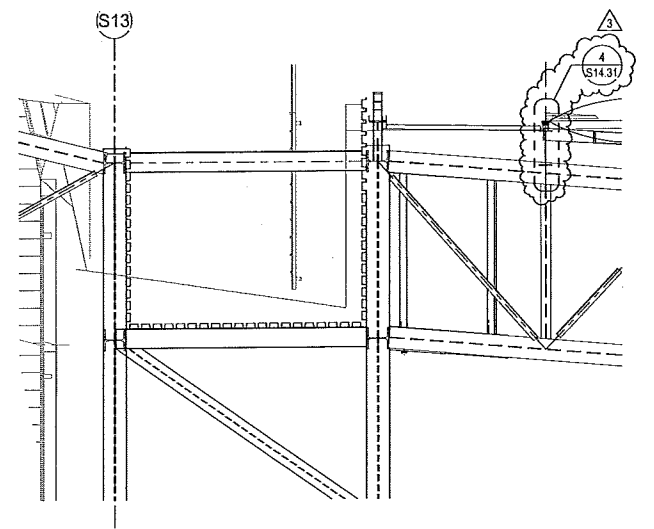
ISSUE
ROOF STEEL MILL ORDER

SHEET TITLE
WEST TRUSS ELEVATIONS AND PLANS

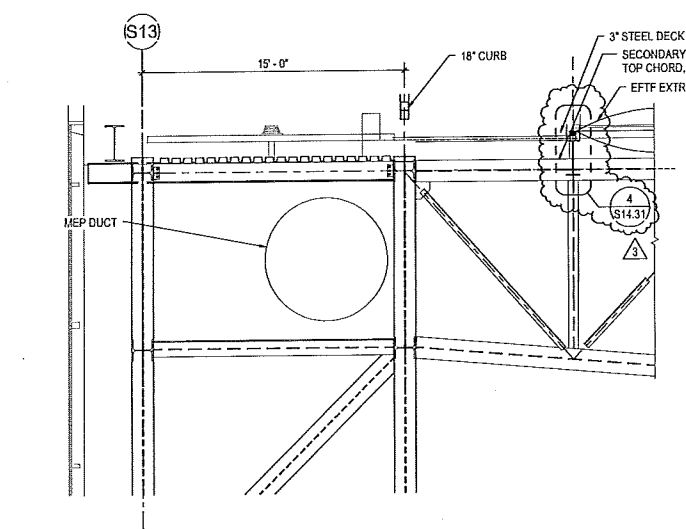
SHEET NO.
S13.02



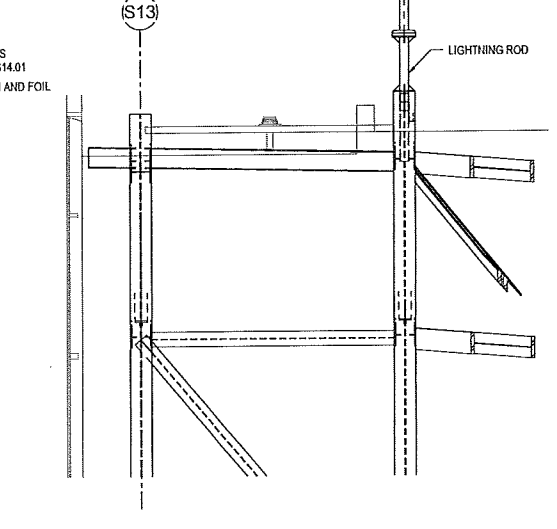
1 WEST WALL COLUMN 03 ELEVATION
1/4" = 1'-0"



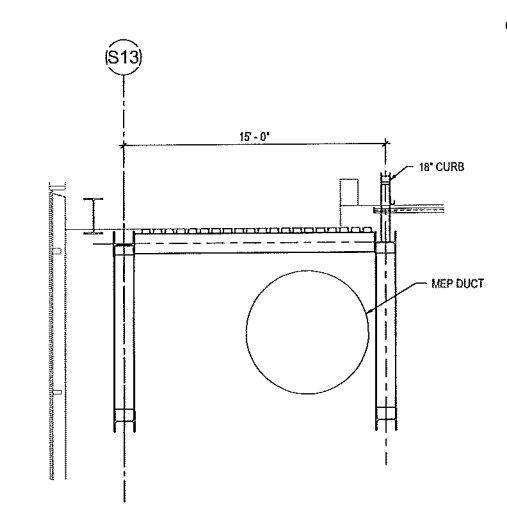
2 WEST WALL ELEVATION
1/4" = 1'-0"



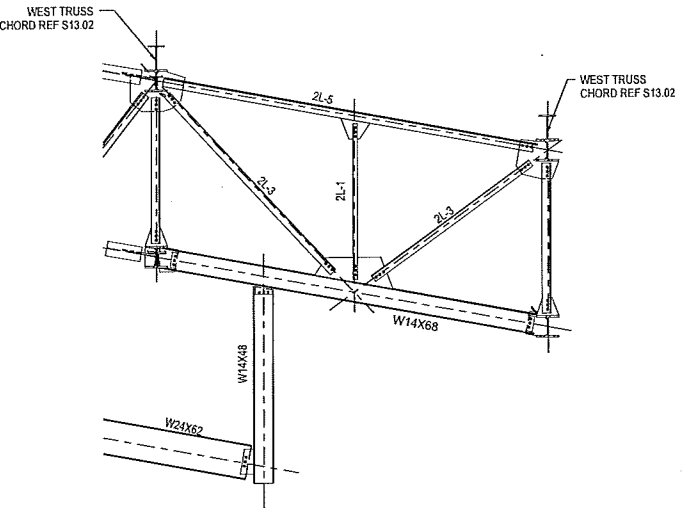
3 WEST WALL ELEVATION
1/4" = 1'-0"



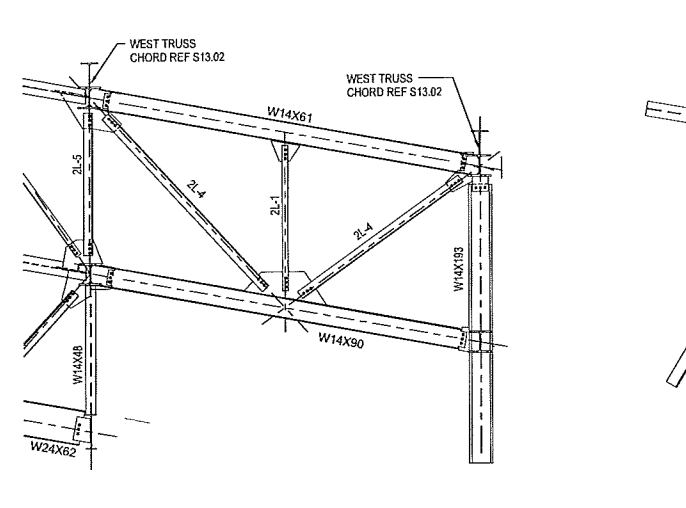
4 WEST WALL ELEVATION AT LIGHTNING ROD
1/4" = 1'-0"



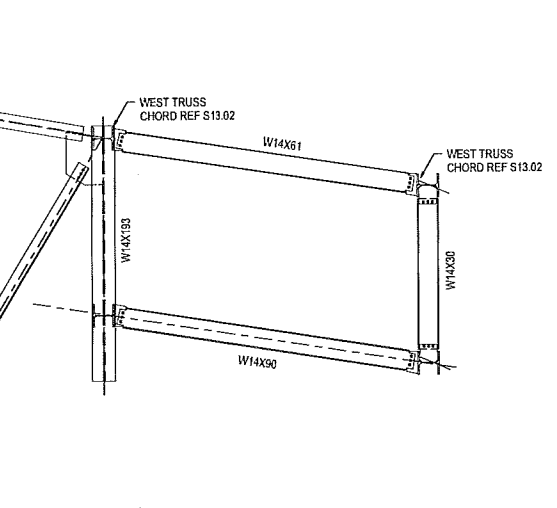
5 WEST WALL ELEVATION
1/4" = 1'-0"



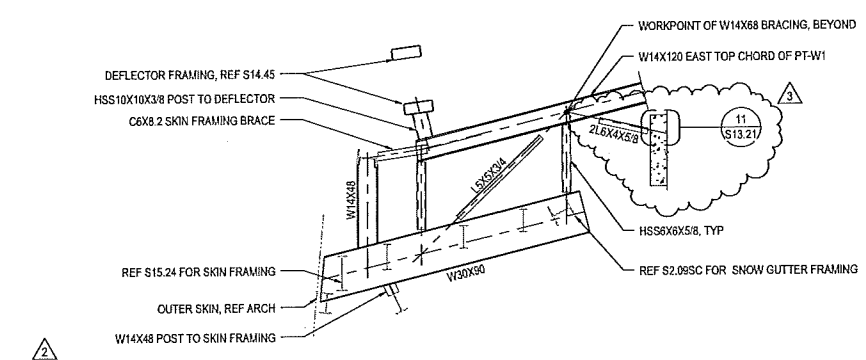
6 WEST PROW BOX TRUSS SECTION
1/4" = 1'-0"



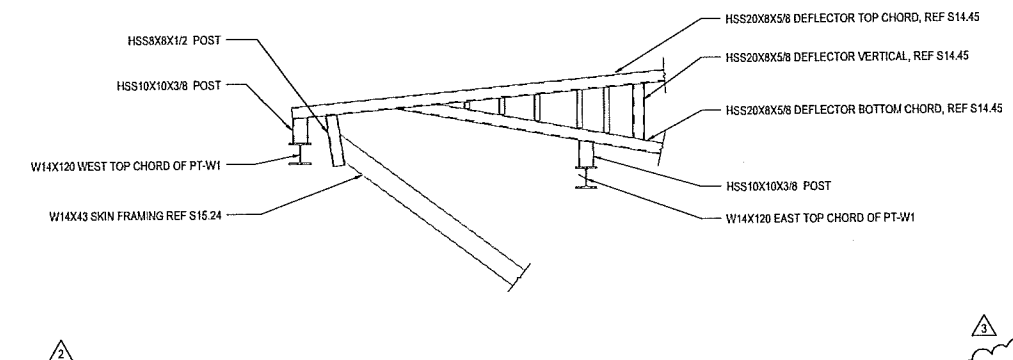
7 WEST PROW BOX TRUSS SECTION
1/4" = 1'-0"



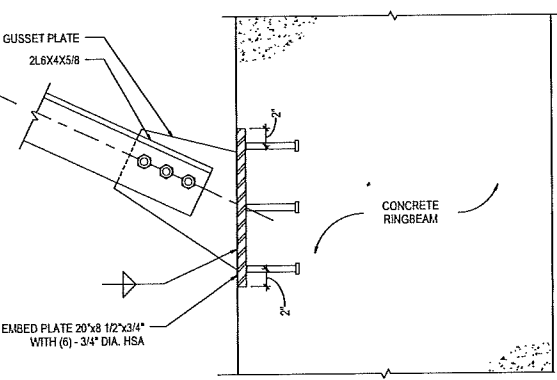
8 WEST PROW BOX TRUSS SECTION
1/4" = 1'-0"



9 PT-W1 CONNECTION TO SKIN FRAMING
1/4" = 1'-0"



10 PT-W1 CONNECTION TO DEFLECTOR
1/4" = 1'-0"



11 CONNECTION TO SKIN FRAMING EMBED
1 1/2" = 1'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 56 STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 56 STREET, MINNEAPOLIS, MN 55415

ARCHITECT / INTERIORS / BRANDING
FSC, INC.
350 N. ST. PAUL, ST. SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUBBS FIELD ARCHITECTS
332 FOST AVENUE, SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUBBS FIELD ARCHITECTS
332 FOST AVENUE, SUITE 600, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
M.E. ENGINEERS, P.C.
1025 WEST 434 AVENUE, WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
1735 MERRY DR., SUITE 750, DALLAS, TX 75201

CIVIL ENGINEER
EVS, INC.
8055 VALLEY VIEW, SUITE 101, EDEN PRARIE, MN 55424

LANDSCAPE ARCHITECT
OVERLAND AND ASSOCIATES
1151 HUNTERTON AVE. N., MINNEAPOLIS, MN 55411

AUDIO VISUAL CONSULTANTS
ACOUSTIC DIMENSIONS
1508 WRIGHT BROTHERS DR., AUSTIN, TX 78701

W24X62
4817 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
350 N. ST. PAUL, SUITE 100, DALLAS, TX 75201

FOOD SERVICE
RSCA MEATMARK
8325 SOUTH VALENTIA, GREENWOOD VIL, CO 80111

WAYFINDING
SELBERT PERSONAL DESIGN
432 COLLIER BLVD., PLAZA DEL REY, CA 90232

VERTICAL TRANSPORTATION
ELEVATOR AND ASSOCIATES
1430 PENNINGTON AVE., SUITE PAUL, MN 55124

ADA CONSULTANT
ED ROETHE CONSULTING, LLC
2550 MISSOURI BELLEVUE, LOUISVILLE, KY 40053

WIND / SNOW CONSULTANT
RUTMAN WILLIAMS ENGINEERS AND ARCHITECTS
650 WOODLAWN RD. W., GUELPH, ON CANADA N1K 1B4

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING ENVELOPE PRACTICE
330 N. WABASH AVE., SUITE 1520, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LEIGH BATES, INC.
6039 LAFOLIN ST., SUITE 150, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS DRAWING, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Engineer: *[Signature]*
Stamp: 02/02/2014

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
1	ADD 1/2"	07/20/2014
2	ADD 1/2"	08/15/2014
3	ADD 1/2"	09/15/2014

HKS PROJECT NUMBER
16246.000

DATE
MARCH 21, 2014

ISSUE
CCD-047

SHEET TITLE
WEST TRUSS SECTIONS AND DETAILS

SHEET NO.
612 21

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
300 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MINNESOTA SPORTS FOOTBALL, LLC
6501 WIND DR., EDEN PRAIRIE, MN 55344

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
300 N. ST. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 603, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
301 NORTH 3rd ST., SUITE 228, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
H.E. ENGINEERS, P.C.
10055 WEST 43rd AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
THORNTON TOMASETTI
12750 MERIT DR., SUITE 750, LB 7, DALLAS, TX 75251

CIVIL ENGINEER
EVS, INC.
2520 VALLEY VIEW, SUITE 122, EDEN PRAIRIE, MN 55344

LANDSCAPE ARCHITECT
COLAND AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACOUSTIC DIMENSIONS
1500 WRIGHT BROTHERS DR., ADDICKS, TX 75001

W.P.H.V.
4501 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
F.S.C. INC.
9225 RONNI CREEK, SUITE 200, OVERLAND PARK, KS 66210

FOOD SERVICE
FRUCA RESTAURANT
5235 SOUTH VALENTIA, GREENWOOD VLG, CO 80111

WAYFINDING
SELBERT PERIODS DESIGN
432 CANTER BLVD., PLANA DEL REY, CA 90293

VERTICAL TRANSPORTATION
ELEVATOR ADVISORY GROUP
1430 PENNINGTON AVE., SUITE P401, MN 55124

ADA CONSULTANT
ED ROETHEER CONSULTING, LLC
2500 WISCONSIN BELLEVUE, LOUISVILLE, KS 66203

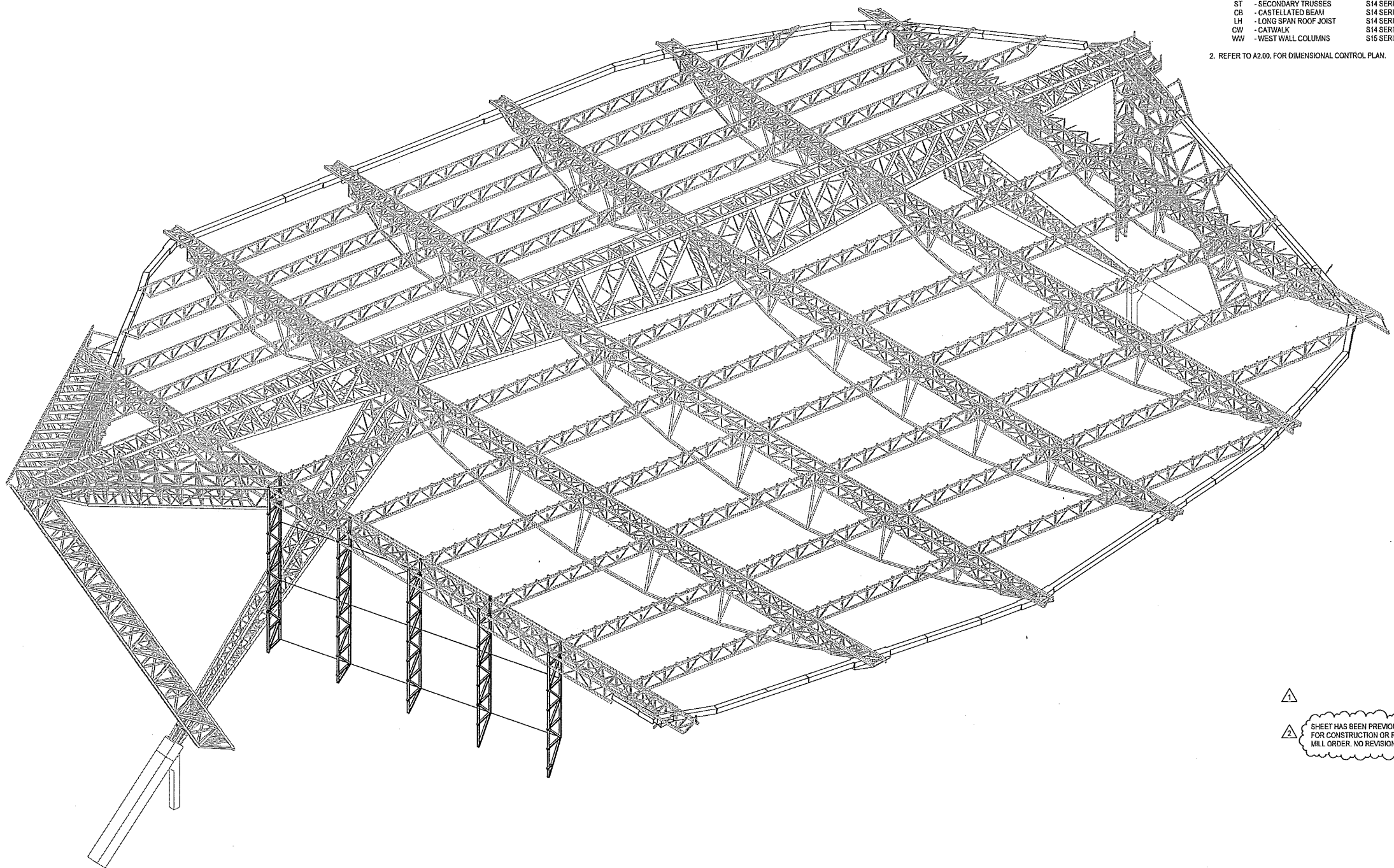
WIND / SNOW CONSULTANT
ROWAN, WILLIAMS, DAVIS, AND POYN, INC.
650 VICKERS AVE. #100, SUITE 100, CANANDAigua, NY 12030

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
320 N. WINDHAM AVE., SUITE 1500, CHICAGO, IL 60611

FAÇADE ACCESS CONSULTANT
LERCH BATES, P.C.
809 LINCOLN ST., SUITE 100, LITTLETON, CO 80122

- NOTES:
- FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

RB - RING BEAM	S7 SERIES DRAWINGS
RT - RIDGE TRUSS	S11 SERIES DRAWINGS
OPT - QUEEN POST TRUSSES	S12 SERIES DRAWINGS
PT - PERIMETER TRUSSES	S13 SERIES DRAWINGS
ST - SECONDARY TRUSSES	S14 SERIES DRAWINGS
CB - CASTELLATED BEAM	S14 SERIES DRAWINGS
LH - LONG SPAN ROOF JOIST	S14 SERIES DRAWINGS
CW - CATWALK	S14 SERIES DRAWINGS
WW - WEST WALL COLUMNS	S15 SERIES DRAWINGS
 - REFER TO A2.00, FOR DIMENSIONAL CONTROL PLAN.



▲
▲
SHEET HAS BEEN PREVIOUSLY ISSUED FOR CONSTRUCTION OR ROOF STEEL MILL ORDER. NO REVISIONS THIS SHEET.



CERTIFICATION
I HEREBY CERTIFY THAT THE DRAWING, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Engineer: *[Signature]*
License No.: 47233
Exp. 12/31/2018

REVISION

NO.	DESCRIPTION	DATE
1	ISSUE FOR ROOF STEEL MILL ORDER	10/31/2013
2	ISSUE FOR	10/31/2013

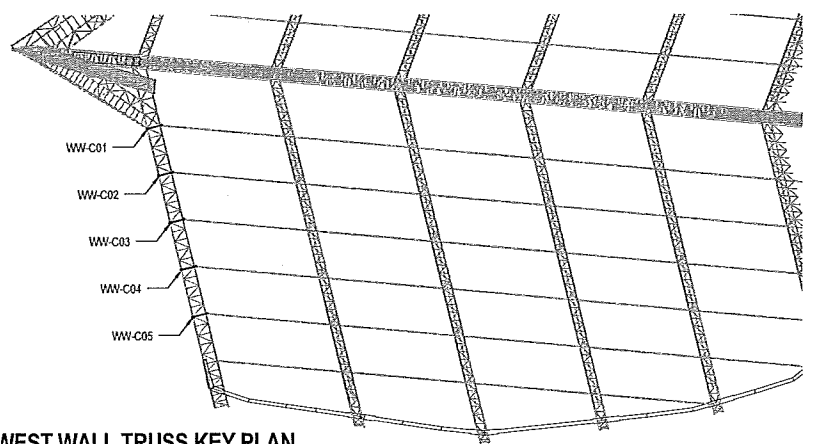
HKS PROJECT NUMBER
16246.000

DATE
OCTOBER 31, 2013

ISSUE
ROOF STEEL MILL ORDER

SHEET TITLE
WEST WALL TRUSSES

1 WEST WALL AXONOMETRIC



2 WEST WALL TRUSS KEY PLAN
1" = 80'-0"

OWNER
MINNESOTA SPORTS FACILITIES AUTHORITY
900 SOUTH 5TH STREET, MINNEAPOLIS, MN 55415

OWNER
MANAGERIA WORKS FOOTBALL, LLC
5600 VANDERBILT DR., EDEN PRARIE, MN 55344

ARCHITECT / INTERIORS / BRANDING
HKS, INC.
3876 ST. PAUL ST., SUITE 100, DALLAS, TX 75201

ASSOCIATE ARCHITECT - SKIN
STUDIO FIVE ARCHITECTS
322 FIRST AVE. N., SUITE 600, MINNEAPOLIS, MN 55401

ASSOCIATE ARCHITECT - INTERIORS
STUDIO FIVE
301 NORTH 3RD ST., SUITE 210, MINNEAPOLIS, MN 55401

MEP / TECHNOLOGY / LIGHTING
HAE ENGINEERS, INC.
1033 WEST 4TH AVE., WHEAT RIDGE, CO 80033

STRUCTURAL ENGINEER
TRINITY CONSULTANTS
1705 HUNT DR., SUITE 750, DALLAS, TX 75201

CIVIL ENGINEER
SVS, INC.
10350 VALLEY VIEW, SUITE 100, EDEN PRARIE, MN 55344

LANDSCAPE ARCHITECT
GOLDER AND ASSOCIATES
115 WASHINGTON AVE. N., MINNEAPOLIS, MN 55401

AUDIO VISUAL CONSULTANTS
ACUSTIC TECHNOLOGIES
1306 WRIGHT BROTHERS DR., ADDICKS, TX 75001

W14X9
4001 SPRING VALLEY RD., DALLAS, TX 75244

CODE / FIRE PROTECTION
FSC, INC.
1025 TOWN CENTER, SUITE 300, OVERLAND PARK, KS 66210

FOOD SERVICE
RICCA RESTAURANT
3225 SOUTH VALERIA, GREENWOOD VLG, CO 80111

WAFINDING
SERBERT PERKINS DESIGN
432 CLAVER BLVD., PLAZA DEL REY, CA 90230

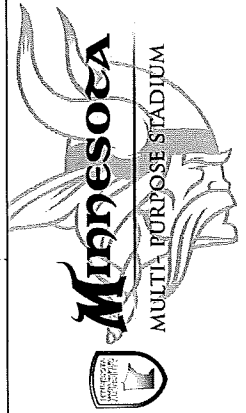
VERTICAL TRANSPORTATION
ELEVATOR ACCESSORY GROUP
14330 PENNSYLVANIA, SAINT PAUL, MN 55124

ADA CONSULTANT
E3 DESIGN CONSULTING, LLC
25600 MISSION BELLEVUE, LOOSEBURG, KS 66052

WIND / SNOW CONSULTANT
RODNEY WILLIAMS DESIGN, A/E/C/PM, INC.
850 WOODLAWN RD. W., GUELPH, ON CANADA N1K 1E4

BUILDING ENVELOPE CONSULTANT
THORNTON TOMASETTI - BUILDING SKIN PRACTICE
301 N. WABASH AVE., SUITE 1000, CHICAGO, IL 60611

FACADE ACCESS CONSULTANT
LERCH RATES, INC.
6005 LINCOLN ST., SUITE 100, LITTLETON, CO 80122



CERTIFICATION
I HEREBY CERTIFY THAT THIS DRAWING, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Engineer: *John A. ...* P.E.
License No.: 20133
Date: 10/31/2013
Signature: *John A. ...*

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
1	CFD ANALYSIS FOR MILL ADDN	01/10/2014
2	CFD ANALYSIS	03/21/2014
3	CFD ANALYSIS	07/23/2014

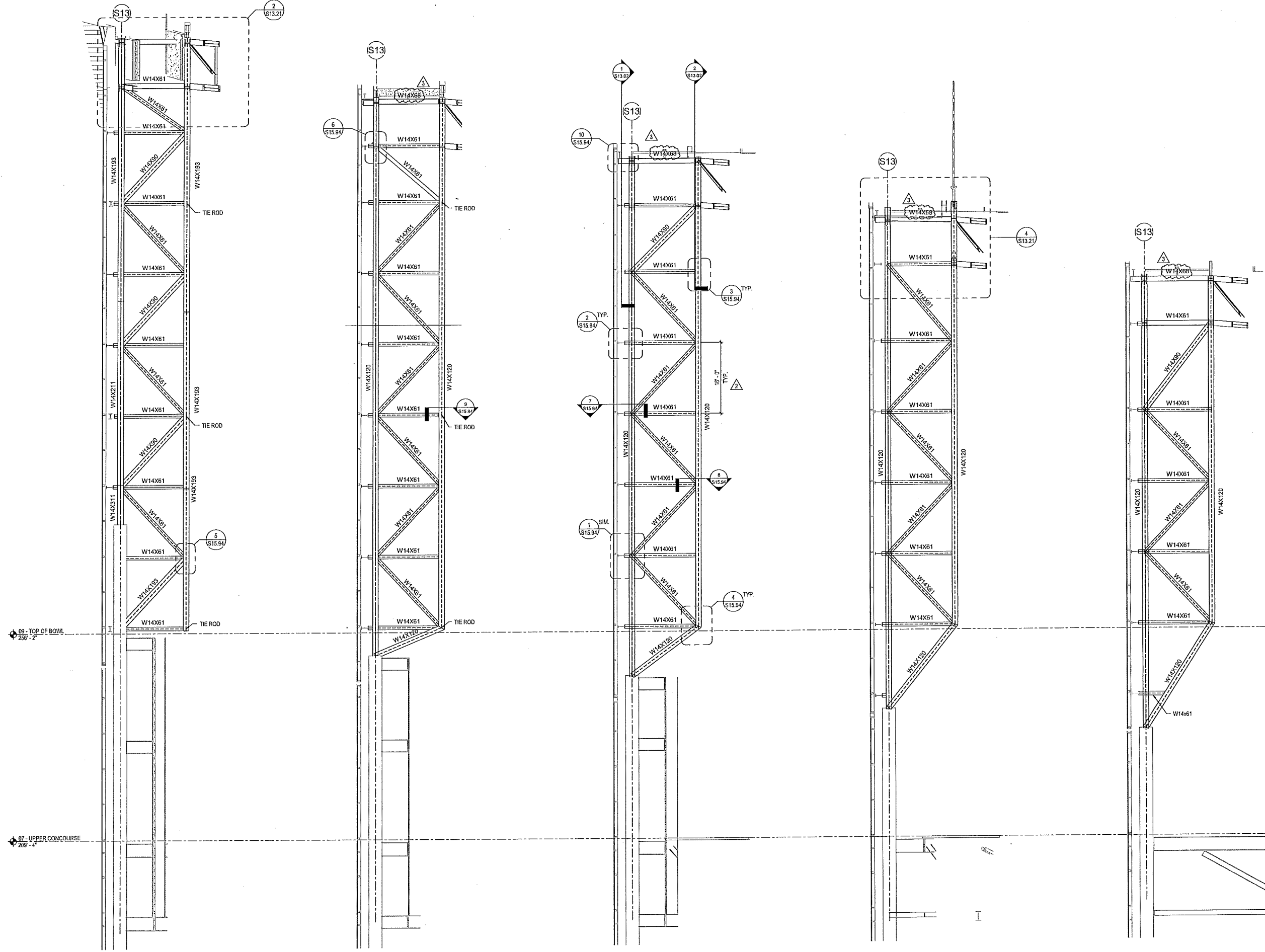
HKS PROJECT NUMBER
16246.000

DATE
OCTOBER 31, 2013

ISSUE
ROOF STEEL MILL ORDER

SHEET TITLE
WEST WALL ELEVATIONS

SHEET NO.
S15 02



1 WEST WALL COLUMN 01 ELEVATION 1/8" = 1'-0"

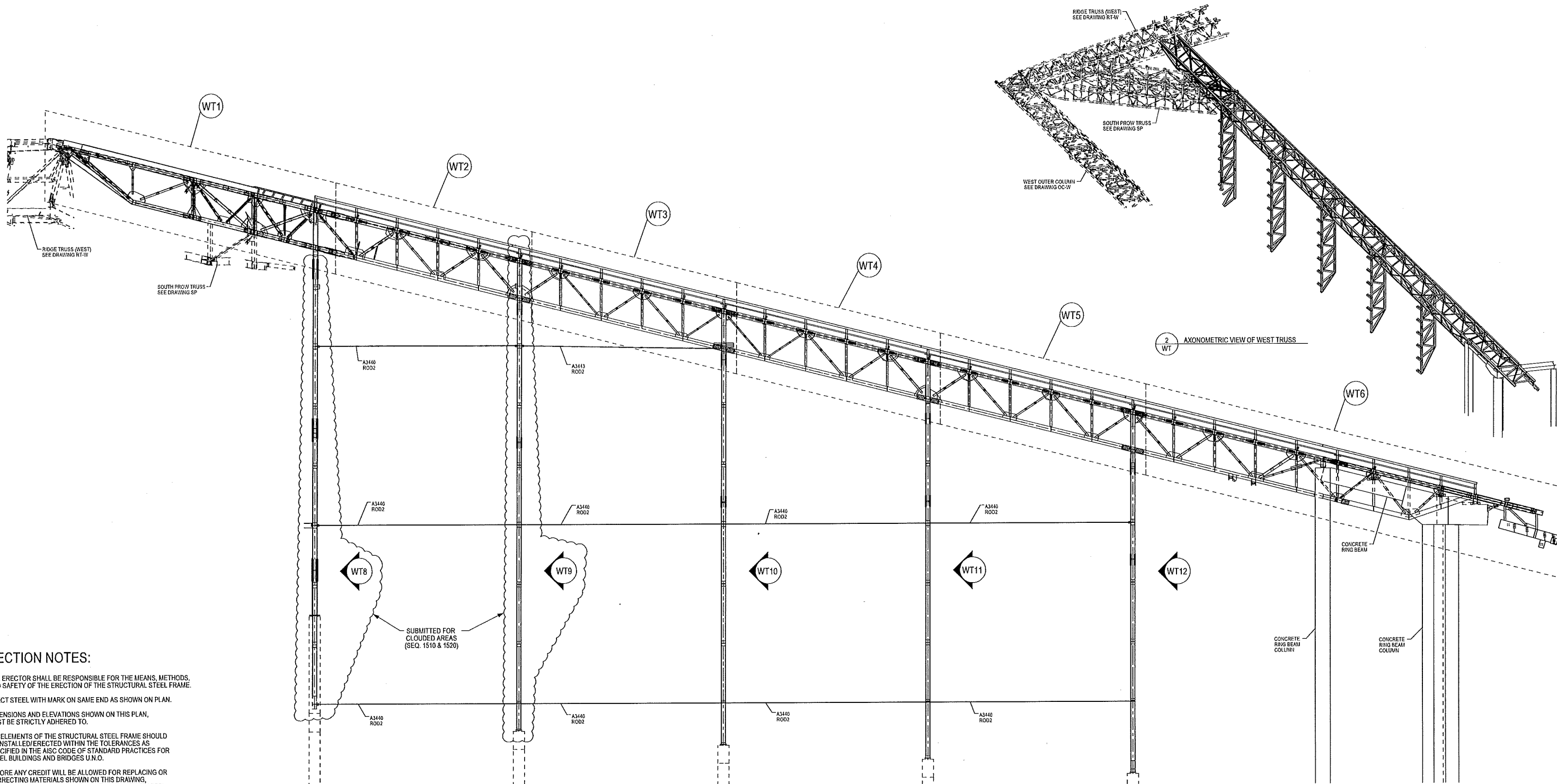
2 WEST WALL COLUMN 02 ELEVATION 1/8" = 1'-0"

3 WEST WALL COLUMN 03 ELEVATION 1/8" = 1'-0"

4 WEST WALL COLUMN 04 ELEVATION 1/8" = 1'-0"

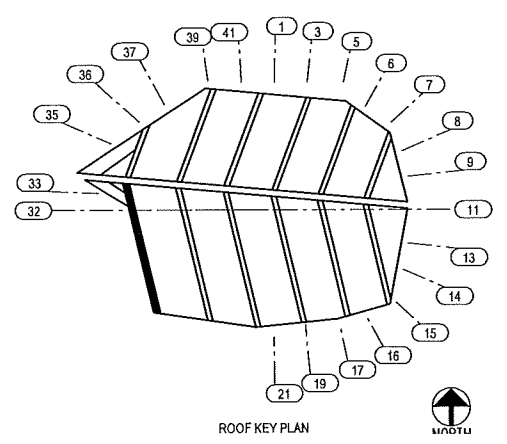
5 WEST WALL COLUMN 05 ELEVATION 1/8" = 1'-0"

DATE: 10/31/2013 11:58 AM



ERECTION NOTES:

1. THE ERECTOR SHALL BE RESPONSIBLE FOR THE MEANS, METHODS, AND SAFETY OF THE ERECTION OF THE STRUCTURAL STEEL FRAME.
2. ERECT STEEL WITH MARK ON SAME END AS SHOWN ON PLAN.
3. DIMENSIONS AND ELEVATIONS SHOWN ON THIS PLAN, MUST BE STRICTLY ADHERED TO.
4. ALL ELEMENTS OF THE STRUCTURAL STEEL FRAME SHOULD BE INSTALLED/ERECTED WITHIN THE TOLERANCES AS SPECIFIED IN THE AISC CODE OF STANDARD PRACTICES FOR STEEL BUILDINGS AND BRIDGES U.N.O.
5. BEFORE ANY CREDIT WILL BE ALLOWED FOR REPLACING OR CORRECTING MATERIALS SHOWN ON THIS DRAWING, AUTHORIZATION MUST BE OBTAINED FROM LEJEUNE STEEL CO.
6. FIELD BOLTS ARE 7/8" Ø A325N-TC WITH WASHERS U N
7. USE WASHERS PER SECTION 6 OF THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS.
8. ALL GALVANIZED BOLTS ARE FOR SHIPPING PURPOSES ONLY. REMOVE AND REPLACE WITH DESIGNATED BOLTS SHOWN ON ERECTION DETAILS.
9. ALL BOLTS ARE COUNTED & CHECKED BEFORE SHIPMENT. IT IS THE ERECTOR'S RESPONSIBILITY TO MATCH QUANTITY OF BOLTS SHIPPED WITH SHIPPING LIST. ALSO TO HANDLE AND STORE ALL BOLTS, NUTS AND WASHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE RCSC SPECIFICATION.
10. ALL ELECTRODES FOR STRUCTURAL WELDS TO BE E70 SERIES (UNO) WITH PRE HEAT AND INTERPASS TEMPERATURES AS PER AWS CODE REQUIREMENTS.
11. THE ERECTOR IS RESPONSIBLE FOR THE PROPER HANDLING AND STORAGE OF THE STRUCTURAL STEEL, FIELD CONNECTION MATERIAL, AND RUN-OFF BARS.
12. UP TO 1/4" SHIMS ARE ALLOWABLE FOR PLUMBING BUILDING. THE ERECTOR SHOULD CHECK THE BUILDING FOR PLUMBNESS AT REGULAR INTERVALS AND INFORM LEJEUNE STEEL AS TO LOCATIONS OF REQ'D SHIMS.
13. ALL 1 1/8" Ø A490-TC BOLTS REQUIRE (1) 5/16" THICK WASHER UNDER THE NUT. ALL 1 1/8" Ø A490-HEX HD BOLTS REQUIRE (1) 5/16" THICK WASHER UNDER THE NUT, AND (1) 5/16" WASHER UNDER THE BOLT HEAD.
14. STEEL IS TO BE CLEANED OF ALL METAL SHAVINGS FROM DRILLING OR INSTANTANEOUSLY TO PREVENT CRACKING.



1 WEST TRUSS - ELEVATION LOOKING EAST

CHECKED
By: (Ron Stodolka)
M.A. Mortenson Company
01/05/2015

This check is only for confirmation to and compliance with the Contract Documents, and does not in any way relieve the Subcontractor or Supplier of the responsibility to verify accuracy of detail, quantities and dimensions. The Subcontractor or Supplier remains responsible for provisions to be confirmed and executed at the Project Site for information that pertains solely to fabrication process or to techniques of construction and for coordination of its work with others.

051200-SD-072 West Wall Column Seq 1510.pdf

PRINTS ISSUED				
REV.	BY	NO.	DESCRIPTION	DATE
B	RT	E	FOR APPROVAL	12-30-2014
A	RT	E	FOR APPROVAL	10-27-2014
PROJECT		MINNESOTA MULTI-PURPOSE STADIUM MINNEAPOLIS, MN		
PURCHASER		MORTENSON CONSTRUCTION		
DESCRIPTION		WEST TRUSS - OVERALL VIEWS		
DATE	REF. DRWG.		S13.02, S13.03	
DET	CKT	10/13/2014	SHT.	WT

