

DEPARTMENT OF
VETERANS AFFAIRS
IOWA CITY VAMC
IOWA CITY, IA

PROJECT #636-403

VOLUME 1

BUILDING 1



Department of
Veterans Affairs

RELOCATE SURGICAL OPERATING ROOMS

DEPARTMENT OF VETERANS AFFAIRS
IOWA CITY VAHCS

601 HIGHWAY 6 WEST
IOWA CITY, IOWA 52246

PROJECT #636-403

VA Solicitation No. VA263-12-B-0243



ELLERBE BECKET



DIRECTOR	NAME	DATE
ASSOCIATE DIRECTOR	NAME	DATE
ASSOCIATE DIRECTOR FOR PATIENT CARE	NAME	DATE
CHIEF OF STAFF	NAME	DATE
CHIEF ENGINEER	NAME	DATE

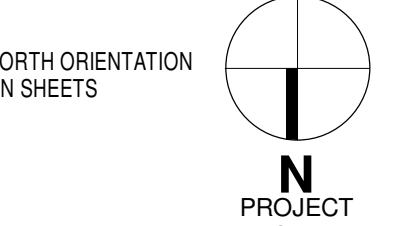
BID & CONSTRUCTION SET

MAY 30, 2012

GENERAL NOTES:
1. SEE DRAWING GI010 AND GI011 FOR PROJECT GENERAL
NOTES, ABBREVIATIONS, SYMBOLS AND LEGENDS, ETC.

PROJECT #636-403

SITE PLAN



Revisions:		Date	CONSULTANTS:			CERTIFICATION/SEAL:	ARCHITECT/ENGINEERS/COST ESTIMATORS:			Drawing Title: TITLE AND LOCATION PLAN			Project Title: RELOCATE SURGICAL OPERATING ROOMS, IOWA CITY IA		Project Number 636-403		<div>Construction & Facilities Management</div> <div>CFM</div> <div>Department of Veterans Affairs</div>	
			MECH/ELEC/PLUMBING Ellerbe Becket, Inc	STRUCTURAL Ellerbe Becket, Inc	FIRE PROTECTION FP&C CONSULTANTS, INC		<div>ELLERBE BECKET</div> <div></div> <div>2380 McGee Street, Suite 200 Kansas City, MO 64108 816 561 4443</div> <div>Ellerbe Becket, Inc. Ellerbe Becket Architects and Engineers, Inc. Ellerbe Becket Architects and Engineers</div> <div>2009</div>			Approved: Project Director			Location IOWA CITY, IOWA 52246		Drawing Number 1-GI001			Dwg. 2 of 130
			800 LaSalle Ave, Suite 250 Minneapolis, MN 55402	800 LaSalle Ave, Suite 250 Minneapolis, MN 55402	One Ward Parkway Suite 200 Kansas City, MO 64112					Date MAY 30, 2012		Checked J.F.	Drawn L.S.					
			t: 612.376.2000 f: 612.376.2271	t: 612.376.2000 f: 612.376.2271	t: 816.931.3377 f: 816.931.3378													

NO.	SHEET NAME	Drawing Order
00. GENERAL		
1-G000	COVER SHEET	1
1-G001	TITLE AND LOCATION PLAN	2
1-G002	DRAWING INDEX SHEET	3
1-G010	SYMBOLS & ABBREVIATIONS	4
1-G011	PROJECT GENERAL NOTES	5
01. FIRE PROTECTION		
1-FP010	LIFE SAFETY SYMBOLS & NOTES	6
1-FP103	3RD FLOOR LIFE SAFETY PLAN	7
1-FP104	4TH FLOOR LIFE SAFETY PLAN PHASE 1	8
1-FP104B	4TH FLOOR LIFE SAFETY PLAN PHASE 2	9
1-FP105	5TH FLOOR LIFE SAFETY PLAN	10
02. ARCHITECTURAL DEMOLITION		
1-AD03A	THIRD FLOOR DEMO PLAN - PHASE 1	11
1-AD04A	FOURTH FLOOR DEMO PLAN - PHASE 1	12
1-AD04B	FOURTH FLOOR DEMO PLAN - PHASE 2	13
1-AD05A	FIFTH FLOOR DEMO PLAN - PHASE 1	14
1-AD06	DEMOLITION WALL SECTIONS	15
03. ARCHITECTURAL		
1-AS103A	THIRD FLOOR PLAN - PHASE 1	16
1-AS104A	FOURTH FLOOR PLAN - PHASE 1	17
1-AS104B	FOURTH FLOOR PLAN - PHASE 2	18
1-AS105A	4.5. ROOF PLAN - FIFTH FLOOR	19
1-AS204A	FOURTH FLOOR REFLECTED CEILING PLAN - PHASE 1	20
1-AS204B	FOURTH FLOOR REFLECTED CEILING PLAN - PHASE 2	21
1-AS301	EXTERIOR ELEVATIONS	22
1-AS302	EXTERIOR ELEVATIONS	23
1-AS401	BUILDING SECTIONS	24
1-AS411	WALL SECTIONS	25
1-AS412	WALL SECTIONS	26
1-AS501	EXTERIOR DETAILS	27
1-AS502	EXTERIOR DETAILS	28
1-AS505	EXTERIOR ROOF DETAILS	29
1-AS510	EXTERIOR PLAN DETAILS	30
1-AS601	STAIR 7 PLANS AND SECTIONS	31
1-AS602	STAIR 6 PLANS AND SECTIONS	32
1-AS603	STAIR DETAILS	33
1-AS701	ENLARGED FOURTH FLOOR PLAN - PHASE 1 AREA 1A	34
1-AS702	ENLARGED FOURTH FLOOR PLAN - PHASE 1 AREA 1B	35
1-AS703	ENLARGED FOURTH FLOOR PLAN - PHASE 1 AREA 1C	36
1-AS704	ENLARGED FOURTH FLOOR PLAN - PHASE 2 AREA 2A & 2B	37
1-AS711	ENLARGED REFLECTED CEILING PLAN - PHASE 1 AREA 1A	38
1-AS712	ENLARGED REFLECTED CEILING PLAN - PHASE 1 AREA 1B	39
1-AS713	ENLARGED REFLECTED CEILING PLAN - PHASE 1 AREA 1C	40
1-AS714	ENLARGED REFLECTED CEILING PLAN - PHASE 2 AREA 2A & 2B	41
1-AS800	INTERIOR ELEVATIONS - STANDARD MOUNTING HEIGHTS	42
1-AS801	INTERIOR ELEVATIONS - PHASE 1	43
1-AS802	INTERIOR ELEVATIONS - PHASE 1	44
1-AS803	INTERIOR ELEVATIONS - PHASE 1	45
1-AS804	INTERIOR ELEVATIONS - PHASE 1	46
1-AS805	INTERIOR ELEVATIONS - PHASE 1	47
1-AS814	INTERIOR ELEVATIONS - PHASE 2	48
1-AS901	INTERIOR DETAILS - PARTITION TYPES	49
1-AS902	INTERIOR DETAILS - PARTITION TYPES	50
1-AS904	INTERIOR DETAILS - ROOM FINISH SCHEDULES - PHASE 1 AND 2	51
1-AS906	INTERIOR DETAILS - DOOR TYPES, FRAME TYPES & DETAILS	52
1-AS908	INTERIOR DETAILS - SIGNS	53
1-AS909	INTERIOR DETAILS - SIGNS	54
1-AS912	INTERIOR DETAILS - CASEWORK & MILLWORK	55
1-AS914	INTERIOR DETAILS - CEILINGS AND TRANSITIONS	56
1-AS915	INTERIOR DETAILS - WALL PROTECTION, MISC.	57
1-AS920	INTERIOR PLAN DETAILS	58
04. INTERIORS		
1-IN104A	FOURTH FLOOR, FLOOR FINISH PLAN - PHASE 1	59
1-IN104B	FOURTH FLOOR, FLOOR FINISH PLAN - PHASE 2	60
1-IN204A	FOURTH FLOOR, WALL FINISH PLAN - PHASE 1	61
1-IN204B	FOURTH FLOOR, WALL FINISH PLAN - PHASE 2	62

NO.	SHEET NAME	Drawing Order
05. STRUCTURAL		
1-SS001	STRUCTURAL GENERAL NOTES, ABBREVIATIONS & INDEX	63
1-SS002	STANDARD STRUCTURAL DETAILS	64
1-SS003	STANDARD STRUCTURAL DETAILS	65
1-SS104	PARTIAL FOURTH FLOOR & ROOF FRAMING PLAN	66
1-SS105	PARTIAL ROOF FRAMING PLAN	67
1-SS106	PARTIAL SECOND FLOOR MECHANICAL PLUMBING PLAN	68
1-SS107	FRAMING SECTIONS AND DETAILS	69
1-SS108	FRAMING SECTIONS AND DETAILS	70
1-SS901	COLUMN SCHEDULE AND DETAILS	71
1-SS902	PART PLANS, EQUIPMENT SUPPORT DETAILS	72
06. PLUMBING		
1-PL001	MECHANICAL PLUMBING TITLE SHEET	73
1-PL102	PARTIAL SECOND FLOOR MECHANICAL PLUMBING DEMOLITION PLAN	74
1-PL103	PARTIAL THIRD FLOOR MECHANICAL PLUMBING DEMOLITION PLAN	75
1-PL104	PARTIAL ROOF MECHANICAL PLUMBING DEMOLITION PLAN	76
1-PL105	PARTIAL SECOND FLOOR MECHANICAL PLUMBING PLAN	77
1-PL106	PARTIAL THIRD FLOOR MECHANICAL PLUMBING PLAN	78
1-PL107	PARTIAL FOURTH FLOOR MECHANICAL PLUMBING PLAN	79
1-PL108	PARTIAL ROOF MECHANICAL PLUMBING PLAN	80
1-PL109	PARTIAL MECHANICAL PLUMBING PLAN	81
1-PL501	MECHANICAL DOMESTIC WATER & WASTE & VENT RISER DIAGRAMS	82
1-PL502	MECHANICAL STORM WATER & MEDICAL GAS RISER DIAGRAMS	83
1-PL601	MECHANICAL PLUMBING DETAILS	84
07. MECHANICAL		
1-MH001	MECHANICAL TITLE SHEET	85
1-MH102	PARTIAL SECOND FLOOR MECHANICAL DEMOLITION PLAN	86
1-MH103	PARTIAL THIRD FLOOR MECHANICAL DEMOLITION PLAN	87
1-MH104	PARTIAL FOURTH FLOOR MECHANICAL DEMOLITION PLAN	88
1-MH105	PARTIAL ROOF MECHANICAL DEMOLITION PLAN	89
1-MH106	PARTIAL FIFTH FLOOR MECHANICAL DEMOLITION PLAN	90
1-MH107	PARTIAL THIRD FLOOR MECHANICAL VENTILATION PLAN	91
1-MH108	PARTIAL FOURTH FLOOR MECHANICAL VENTILATION PLAN	92
1-MH109	PARTIAL ROOF MECHANICAL VENTILATION & PIPING PLAN	93
1-MH110	PARTIAL FIFTH FLOOR MECHANICAL VENTILATION PLAN	94
1-MP102	PARTIAL SECOND FLOOR MECHANICAL PIPING PLAN	95
1-MP103	PARTIAL THIRD FLOOR MECHANICAL PIPING PLAN	96
1-MP104	PARTIAL FOURTH FLOOR MECHANICAL PIPING PLAN	97
1-MP105	PARTIAL FIFTH FLOOR MECHANICAL PIPING PLAN	98
1-MH201	MECHANICAL ROOM THIRD FLOOR ENLARGED PLAN	99
1-MH202	MECHANICAL SECTIONS	100
1-MH301	MECHANICAL DETAILS	101
1-MH302	MECHANICAL DETAILS	102
1-MH303	MECHANICAL DETAILS	103
1-MH304	MECHANICAL DETAILS	104
1-MH305	MECHANICAL SCHEDULES	105
1-MH306	MECHANICAL SCHEDULES	106
1-MH701	MECHANICAL FLOW & CONTROL SYSTEMS DIAGRAMS	107
1-MH702	MECHANICAL FLOW & CONTROL SYSTEMS DIAGRAMS	108
08. ELECTRICAL		
1-E01	ELECTRICAL TITLE AND SYMBOL SHEET	109
1-ED103	PARTIAL THIRD FLOOR ELECTRICAL DEMOLITION PLAN	110
1-ED104	PARTIAL FOURTH FLOOR ELECTRICAL DEMOLITION PLAN	111
1-EP103	PARTIAL BASEMENT FLOOR ELECTRICAL PLAN	112
1-EP104	PARTIAL THIRD FLOOR POWER PLAN	113
1-EP105	PARTIAL FOURTH FLOOR POWER PLAN	114
1-EL103	PARTIAL ROOF POWER PLAN	115
1-EL104	PARTIAL THIRD FLOOR LIGHTING PLAN	116
1-EY103	PARTIAL THIRD FLOOR COMMUNICATIONS PLAN	117
1-EY104	PARTIAL FOURTH FLOOR COMMUNICATIONS PLAN	118
1-E401	ELECTRICAL SYSTEMS ENLARGED FLOOR PLAN - OR CRITICAL POWER PLAN	119
1-E402	ELECTRICAL SYSTEMS ENLARGED FLOOR PLAN - OR INTEGRATION RACEWAY PLAN	120
1-E403	ELECTRICAL SYSTEMS ENLARGED FLOOR PLAN - ENDOSCOPIC OR#1 PLAN	121
1-E501	ELECTRICAL DETAILS	122
1-E502	COMMUNICATIONS DETAILS	123
1-E601	LIGHTING FIXTURE DETAILS	124
1-E602	LIGHTING FIXTURE DETAILS	125
1-E603	MOTOR AND MISCELLANEOUS SCHEDULES	126
1-E604	PANELBOARD SCHEDULES	127
1-E605	PANELBOARD SCHEDULES	128
1-E606	PANELBOARD SCHEDULES	129
1-E701	ONE LINE RISER DIAGRAM	130

NO.	SHEET NAME	Drawing Order
09. MECHANICAL PLUMBING		
1-MP103	PARTIAL THIRD FLOOR MECHANICAL PLUMBING DEMOLITION PLAN	131
1-MP104	PARTIAL FOURTH FLOOR MECHANICAL PLUMBING DEMOLITION PLAN	132
1-MP105	PARTIAL ROOF MECHANICAL PLUMBING DEMOLITION PLAN	133
1-MP106	PARTIAL SECOND FLOOR MECHANICAL PLUMBING PLAN	134
1-MP107	PARTIAL THIRD FLOOR MECHANICAL PLUMBING PLAN	135
1-MP108	PARTIAL FOURTH FLOOR MECHANICAL PLUMBING PLAN	136
1-MP109	PARTIAL ROOF MECHANICAL PLUMBING PLAN	137
1-MP110	PARTIAL FIFTH FLOOR MECHANICAL PLUMBING PLAN	138
1-MP111	PARTIAL SECOND FLOOR MECHANICAL PIPING PLAN	139
1-MP112	PARTIAL THIRD FLOOR MECHANICAL PIPING PLAN	140
1-MP113	PARTIAL FOURTH FLOOR MECHANICAL PIPING PLAN	141
1-MP114	PARTIAL FIFTH FLOOR MECHANICAL PIPING PLAN	142
1-MH201	MECHANICAL ROOM THIRD FLOOR ENLARGED PLAN	143
1-MH202	MECHANICAL SECTIONS	144
1-MH301	MECHANICAL DETAILS	145
1-MH302	MECHANICAL DETAILS	146
1-MH303	MECHANICAL DETAILS	147
1-MH304	MECHANICAL DETAILS	148
1-MH305	MECHANICAL SCHEDULES	149
1-MH306	MECHANICAL SCHEDULES	150
1-MH701	MECHANICAL FLOW & CONTROL SYSTEMS DIAGRAMS	151
1-MH702	MECHANICAL FLOW & CONTROL SYSTEMS DIAGRAMS	152

NO.	SHEET NAME	Drawing Order
10. ELECTRICAL		
1-E01	ELECTRICAL TITLE AND SYMBOL SHEET	153
1-ED103	PARTIAL THIRD FLOOR ELECTRICAL DEMOLITION PLAN	154
1-ED104	PARTIAL FOURTH FLOOR ELECTRICAL DEMOLITION PLAN	155
1-EP103	PARTIAL BASEMENT FLOOR ELECTRICAL PLAN	156
1-EP104	PARTIAL THIRD FLOOR POWER PLAN	157
1-EP105	PARTIAL FOURTH FLOOR POWER PLAN	158
1-EL103	PARTIAL ROOF POWER PLAN	159
1-EL104	PARTIAL THIRD FLOOR LIGHTING PLAN	160
1-EY103	PARTIAL THIRD FLOOR COMMUNICATIONS PLAN	161
1-EY104	PARTIAL FOURTH FLOOR COMMUNICATIONS PLAN	162
1-E401	ELECTRICAL SYSTEMS ENLARGED FLOOR PLAN - OR CRITICAL POWER PLAN	163
1-E402	ELECTRICAL SYSTEMS ENLARGED FLOOR PLAN - OR INTEGRATION RACEWAY PLAN	164
1-E403	ELECTRICAL SYSTEMS ENLARGED FLOOR PLAN - ENDOSCOPIC OR#1 PLAN	165
1-E501	ELECTRICAL DETAILS	166
1-E502	COMMUNICATIONS DETAILS	167
1-E601	LIGHTING FIXTURE DETAILS	168
1-E602	LIGHTING FIXTURE DETAILS	169
1-E603	MOTOR AND MISCELLANEOUS SCHEDULES	170
1-E604	PANELBOARD SCHEDULES	171
1-E605	PANELBOARD SCHEDULES	172
1-E606	PANELBOARD SCHEDULES	173
1-E701	ONE LINE RISER DIAGRAM	174

GENERAL NOTES:
1. SEE DRAWING 01010 AND 01011 FOR PROJECT GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND LEGENDS, ETC.

ARCHITECTURAL AND INTERIOR DESIGN CERTIFICATION

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered architect under the laws of the state of Iowa.

Signature

Mark W. Jodanis

Professional Engineer

Pages or sheets covered by this seal: All 1-10 series, 1-10 series, 1-10 series and 1-10 series drawings inclusive.

Date Issued: May 30, 2012.

STRUCTURAL CERTIFICATION

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered engineer under the laws of the state of Iowa.

Signature

Mark W. Jodanis

Professional Engineer

Pages or sheets covered by this seal: All 1-10 series drawings inclusive.

Date Issued: May 30, 2012.

FIRE PROTECTION CERTIFICATION

I HEREBY CERTIFY THAT THE DOCUMENTS INTENDED TO BE FOLLOWING SERIES OF DRAWINGS DATED 05/30/2012, AND UNDER THE TITLE "RELOCATE SURGICAL OPERATING ROOMS, IOWA CITY, IOWA, PROJECT 1-G1002"

1-EP101, 1-EP101A, 1-EP101B and 1-EP101C.

AND I HEREBY ASSUME ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, AND DETAILS NOT SHOWN HEREON, AND I AM NOT BEING HELD RESPONSIBLE FOR ANY PARTS OF ARCHITECTURAL OR MECHANICAL PROJECT OR SPECIFICATION.

Signature

Mark W. Jodanis

Professional Engineer

Pages or sheets covered by this seal: All 1-10 series, 1-10 series, 1-10 series and 1-10 series drawings inclusive.

Date Issued: May 30, 2012.

PLUMBING AND MECHANICAL CERTIFICATION

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered professional engineer under the laws of the state of Iowa.

Signature

Kimberly Pierson

Professional Engineer

Pages or sheets covered by this seal: All 1-10 series, 1-10 series, 1-10 series and 1-10 series drawings inclusive.

Date Issued: May 30, 2012.

ELECTRICAL CERTIFICATION

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered professional engineer under the laws of the state of Iowa.

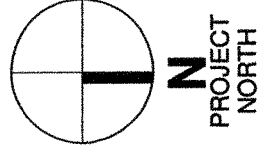
Signature

Mark W. Jodanis

Professional Engineer

Pages or sheets covered by this seal: All 1-10 series, 1-10 series, 1-10 series and 1-10 series drawings inclusive.

Date Issued: May 30, 2012.



Revisions:

Date

CONSULTANTS:

MECH/ELECTRICAL PLUMBING
Ellerbe Becket, Inc.
800 LaSalle Ave., Suite 250
Minneapolis, MN 55402
t: 612.376.2000
f: 612.376.2271

STRUCTURAL
Ellerbe Becket, Inc.
800 LaSalle Ave., Suite 250
Minneapolis, MN 55402
t: 612.376.2000
f: 612.376.2271

FIRE PROTECTION
FP&C CONSULTANTS, INC.
One Ward Parkway
Suite 200
Kansas City, MO 64112
t: 816.891.3377
f: 816.891.3378

ARCHITECT/ENGINEERS/COST ESTIMATORS:

ELLERBE BECKET

2380 McGee Street,
Suite 200
Kansas City, MO 64108
816.561.4443

Ellerbe Becket, Inc.
Ellerbe Becket Architects
and Engineers, Inc.
Ellerbe Becket Architects
and Engineers
2009

Drawing Title:
DRAWING INDEX SHEET

Project Title:
RELOCATE SURGICAL OPERATING
ROOMS, IOWA CITY IA

Project Number:
636-403

Building Number:
1

Drawn Number:
1-G1002

Drawn:
J.F.

Checked:
J.F.

Location:
IOWA CITY, IOWA 52246

Date:
MAY 30, 2012

Drawn:
L.S.

Dwg. 3 of 130

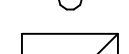
Department of
Veterans Affairs



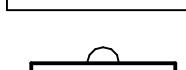


Contracting Services & Construction

CFM

CEILING SYMBOLS

- | | |
|--|--|
| CEILING ANNOTATION

 | CEILING HEIGHT TAG |
| CEILING FIXTURES

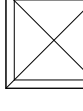
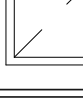
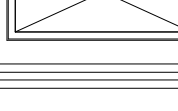





 | RECESSED CAN LIGHT FIXTURE

2x2 RECESSED LIGHT FIXTURE

2x4 RECESSED LIGHT FIXTURE

SURFACE MOUNTED LIGHT FIXTURE

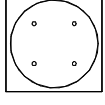


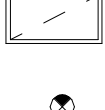

WALL SCONCE |
| MECHANICAL FIXTURES




 | SUPPLY DIFFUSER

RETURN AIR REGISTER

SURGERY LINEAR DIFFUSER

SURGERY O.R. LINEAR DIFFUSER |
| MISC. EQUIPMENT





 | O.R. BOOM MOUNTING PLATE

O.R. SPEAKER

O.R. INTERCOM/SPEAKER

A.P. CEILING ACCESS PANEL

EXIT SIGN |

1. OWNER RESPONSIBILITIES ARE INDICATED AS O.O AND O.C., SEE SPECIFICATION FOR DEFINITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLY AND INSTALL ALL OTHER ITEMS IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND AS REQUIRED TO COMPLETE THE WORKS.

[illegible]

Revisions:		Date	CONSULTANTS:			CERTIFICATION/SEAL:	ARCHITECT/ENGINEERS/COST ESTIMATORS:			Drawing Title: SYMBOLS & ABBREVIATIONS			Project Title: RELOCATE SURGICAL OPERATING ROOMS, IOWA CITY IA			Project Number 636-403		<div>Construction & Facilities Management</div> <div>CFM</div> <div>Department of Veterans Affairs</div>
			MECH/ELEC/PLUMBING Ellerbe Becket, Inc		STRUCTURAL Ellerbe Becket, Inc	FIRE PROTECTION FP&C CONSULTANTS, INC	2380 McGee Street, Suite 200 Kansas City, MO 64108 816 561 4443			Ellerbe Becket, Inc. Ellerbe Becket Architects and Engineers, Inc. Ellerbe Becket Architects and Engineers			Location IOWA CITY, IOWA 52246			Drawing Number 1-GI010		
			800 LaSalle Ave, Suite 250 Minneapolis, MN 55402		800 LaSalle Ave, Suite 250 Minneapolis, MN 55402	One Ward Parkway Suite 200 Kansas City, MO 64112	2009			Approved: Project Director			Date MAY 30, 2012		Checked J.F.	Drawn L.S.	Dwg. 4 of 130	
			t: 612.376.2000 f: 612.376.2271		t: 612.376.2000 f: 612.376.2271	t: 816.931.3377 f: 816.931.3378												

