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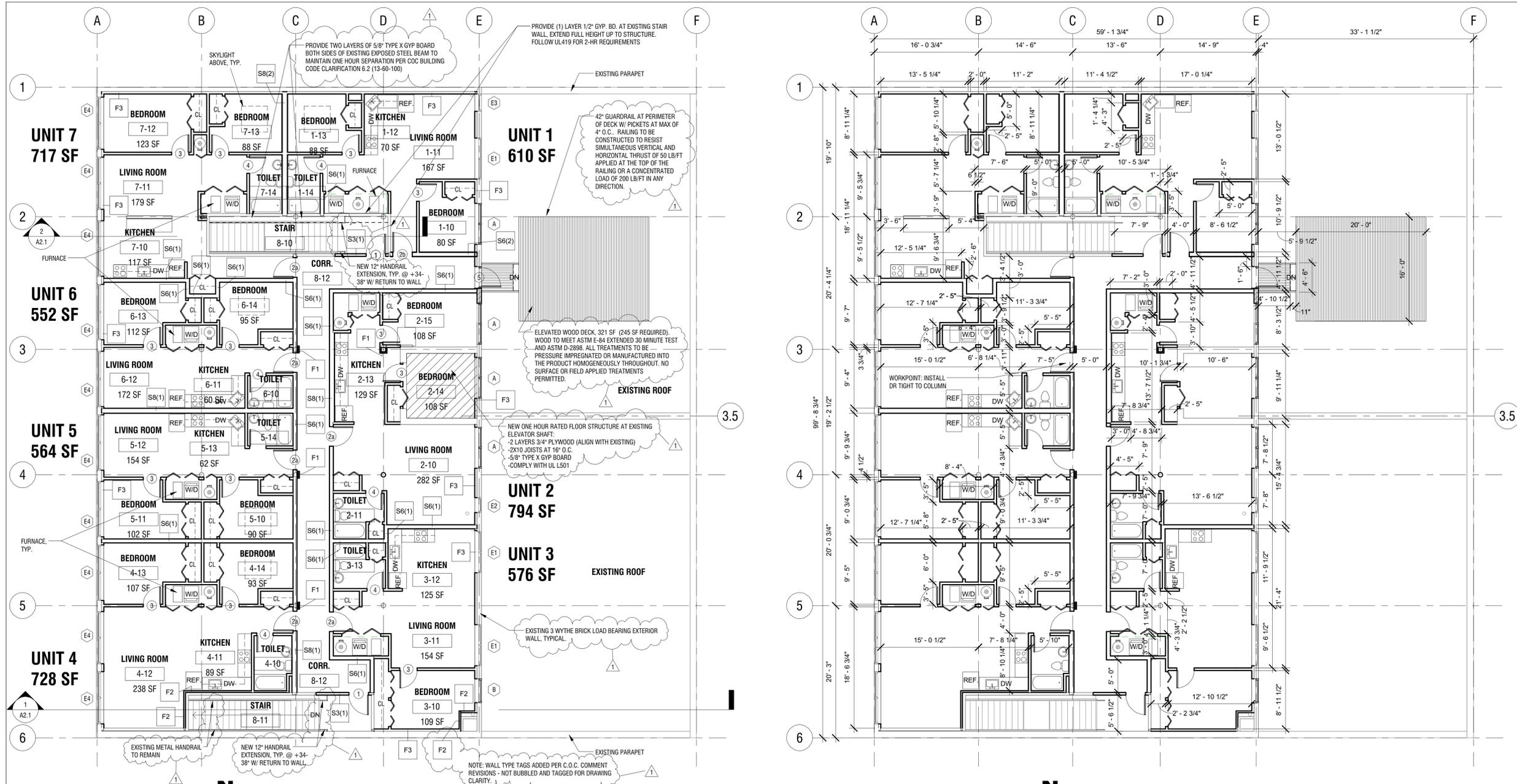
Larson
www.larsonengr.com
118 S. Clinton Street, Suite 250
Chicago IL, 60661-3661
312-345-0504

No.	Description	Date
1	ISSUED FOR PERMIT	9/28/2015
	PERMIT REVISIONS	12/9/2015

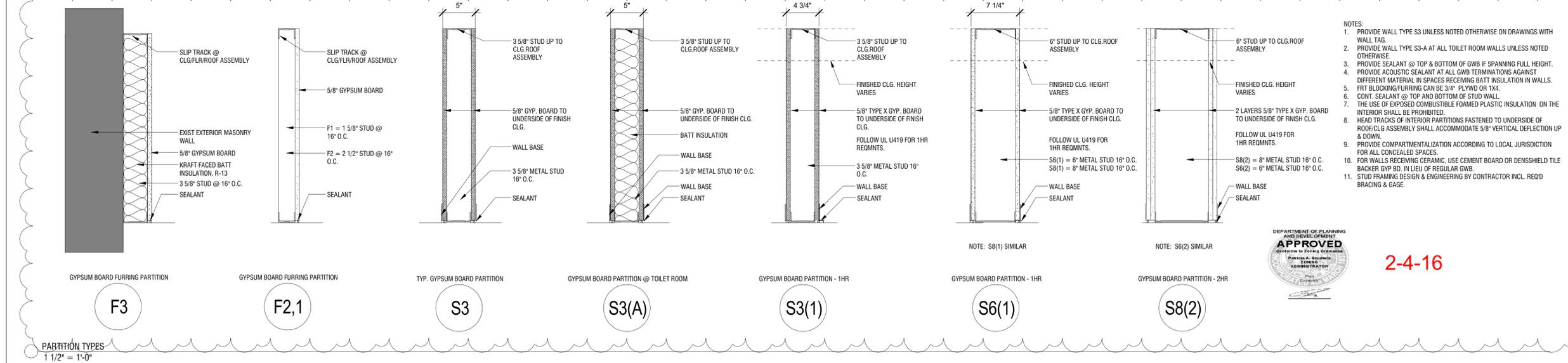
WINDY CITY RE
2113 S. STATE ST.: SECOND FLOOR BUILD-OUT

PROPOSED SECOND FLOOR PLAN

Project No.	15-022
Drawn By	Author
Checked By	Checker
Approved By	Approver
Drawing No.	A1.1
Scale	As indicated



2 SECOND FLOOR PLAN - PROPOSED 1/8" = 1'-0"
3 SECOND FLOOR PLAN - DIMENSIONS 1/8" = 1'-0"
SCALE: 1/8" = 1'-0"



- NOTES:
1. PROVIDE WALL TYPE S3 UNLESS NOTED OTHERWISE ON DRAWINGS WITH WALL TAG.
 2. PROVIDE WALL TYPE S3-A AT ALL TOILET ROOM WALLS UNLESS NOTED OTHERWISE.
 3. PROVIDE SEALANT @ TOP & BOTTOM OF GWB IF SPANNING FULL HEIGHT.
 4. PROVIDE ACOUSTIC SEALANT AT ALL GWB TERMINATIONS AGAINST DIFFERENT MATERIAL IN SPACES RECEIVING BATT INSULATION IN WALLS. FRT BLOCKING/FURRING CAN BE 3/4" PLYWD OR 1X4.
 5. CONT. SEALANT @ TOP AND BOTTOM OF STUD WALL.
 6. THE USE OF EXPOSED COMBUSTIBLE FOAMED PLASTIC INSULATION ON THE INTERIOR SHALL BE PROHIBITED.
 7. HEAD TRACKS OF INTERIOR PARTITIONS FASTENED TO UNDERSIDE OF ROOF/CLG ASSEMBLY SHALL ACCOMMODATE 5/8" VERTICAL DEFLECTION UP & DOWN.
 8. PROVIDE COMPARTMENTALIZATION ACCORDING TO LOCAL JURISDICTION FOR ALL CONCEALED SPACES.
 9. FOR WALLS RECEIVING CERAMIC, USE CEMENT BOARD OR DENSIFIELD TILE BACKER GYP BD. IN LIEU OF REGULAR GWB.
 10. STUD FRAMING DESIGN & ENGINEERING BY CONTRACTOR INCL. RECD BRACING & GAGE.
 11. STUD FRAMING DESIGN & ENGINEERING BY CONTRACTOR INCL. RECD BRACING & GAGE.



2-4-16

SERVICE LOAD CALCULATION
FOR SINGLE FAMILY DWELLING

DWELLING UNIT ADDRESS: 2113 S STATE STREET
 DWELLING UNIT EQUIPMENT NAME: TYPICAL 1 BEDROOM UNIT
 TYPE OF DWELLING UNIT: APARTMENT CONDOMINIUM OTHER
 OUTSIDE BUILDING DIMENSIONS: LENGTH -- WIDTH --
 NUMBER OF FLOOR: -- TOTAL SQUARE FT.: 640
 TYPE OF ELECTRICAL SERVICE: 1 PHASE 3 WIRE 120/208 VOLTS 100 AMPERES
 SIZE OF SERVICE ENTRANCE - RACEWAY 1 1/4" UNGROUNDED THWN CONDUCTORS 3-#3
 GROUNDED THWN CONDUCTOR(S) 1-#8
 SIZE OF: GROUNDING ELECTRODE THWN CONDUCTOR #8 GROUNDING ELECTRODE CONDUCTOR RACEWAY --
 SIZE OF O.C.P. 100A TYPE OF O.C.P. MCB

1.) GENERAL LIGHTING LOAD CALCULATION

	UNGROUNDED	GROUNDED
GENERAL LIGHTING LOAD: 640 SQUARE FT. X 3 VA=	1,920	1,920
SMALL APPLIANCE LOAD: 2 BRANCH CIRCUITS X 1500VA =	3,000	3,000
LAUNDRY LOAD: 1 BRANCH CIRCUIT X 1500 VA =	1,500	1,500
TOTAL VA	6,420	6,420

2.) FASTENED-IN-PLACE APPLIANCE DEMAND LOAD:

APPLIANCE	QTY	HP	VOLT	AMP.	VA	DEMAND FACTOR	UNGROUNDED	GROUNDED
REFRIGERATOR	1				900	x75%	675	675
DISHWASHER	1				1200	x75%	900	900
TOTAL VA							1,575	1,575

3.) NONCOINCIDENT LOAD HEATING VS COOLING LOAD

	UNGROUNDED	GROUNDED
(1) CONDENSING UNIT 1 UNIT X 3,453VA = 3,453VA	3,453	0
(1) FURNACE 1 UNIT X 863VA = 863VA	863	0
LARGER VA	3,453	0

TOTAL COMPUTED LOAD

	UNGROUNDED	GROUNDED
1.) GENERAL LIGHTING DEMAND LOAD	6,420	6,420
2.) FASTENED-IN PLACE APPLIANCE DEMAND LOAD	1,575	1,575
3.) NONCONCIDENT LOAD	3,453	0
TOTAL VA	11,448	7,995

SIZING OF SERVICE-ENTRANCE CONDUCTORS

UNGROUNDED CONDUCTOR LOAD	11,448 VA / 208V =	55A
GROUNDED CONDUCTOR LOAD	7,995 VA / 208V =	39A

SERVICE LOAD CALCULATION
FOR SINGLE FAMILY DWELLING

DWELLING UNIT ADDRESS: 2113 S STATE STREET
 DWELLING UNIT EQUIPMENT NAME: TYPICAL 2 BEDROOM UNIT
 TYPE OF DWELLING UNIT: APARTMENT CONDOMINIUM OTHER
 OUTSIDE BUILDING DIMENSIONS: LENGTH -- WIDTH --
 NUMBER OF FLOOR: -- TOTAL SQUARE FT.: 750
 TYPE OF ELECTRICAL SERVICE: 1 PHASE 3 WIRE 120/208 VOLTS 100 AMPERES
 SIZE OF SERVICE ENTRANCE - RACEWAY 1 1/4" UNGROUNDED THWN CONDUCTORS 3-#3
 GROUNDED THWN CONDUCTOR(S) 1-#8
 SIZE OF: GROUNDING ELECTRODE THWN CONDUCTOR #8 GROUNDING ELECTRODE CONDUCTOR RACEWAY --
 SIZE OF O.C.P. 100A TYPE OF O.C.P. MCB

1.) GENERAL LIGHTING LOAD CALCULATION

	UNGROUNDED	GROUNDED
GENERAL LIGHTING LOAD: 750 SQUARE FT. X 3 VA=	2,250	2,250
SMALL APPLIANCE LOAD: 2 BRANCH CIRCUITS X 1500VA =	3,000	3,000
LAUNDRY LOAD: 1 BRANCH CIRCUIT X 1500 VA =	1,500	1,500
TOTAL VA	6,750	6,750

2.) FASTENED-IN-PLACE APPLIANCE DEMAND LOAD:

APPLIANCE	QTY	HP	VOLT	AMP.	VA	DEMAND FACTOR	UNGROUNDED	GROUNDED
REFRIGERATOR	1				900	x75%	675	675
DISHWASHER	1				1200	x75%	900	900
TOTAL VA							1,575	1,575

3.) NONCOINCIDENT LOAD HEATING VS COOLING LOAD

	UNGROUNDED	GROUNDED
(1) CONDENSING UNIT 1 UNIT X 3,640VA = 3,640VA	3,640	0
(1) FURNACE (1/2HP) 1 UNIT X 863VA = 863VA	863	0
LARGER VA	3,640	0

TOTAL COMPUTED LOAD

	UNGROUNDED	GROUNDED
1.) GENERAL LIGHTING DEMAND LOAD	6,750	6,750
2.) FASTENED-IN PLACE APPLIANCE DEMAND LOAD	1,575	1,575
3.) NONCONCIDENT LOAD	3,640	0
TOTAL VA	11,965	8,325

SIZING OF SERVICE-ENTRANCE CONDUCTORS

UNGROUNDED CONDUCTOR LOAD	11,965 VA / 208V =	58A
GROUNDED CONDUCTOR LOAD	8,325 VA / 208V =	40A

PANEL:		TYPICAL 1 BEDROOM UNIT		FRAME SIZE:	100A	VOLTAGE:	120 / 208					
LOCATION:		RECESSED IN UNIT		MCB:	100A	PHASE:	1φ					
FEEDER:		SEE RISER DIAGRAM ON E001		AIC:	10,000	WIRE:	3W+G					
CKT NO.	BR	P	FAULT CB.	CIRCUIT DESCRIPTION	PHASE A CONN.	PHASE B CONN.	DEMAND	CIRCUIT DESCRIPTION	FAULT CB.	BR	P	CKT NO.
1	20	1	A	MASTER BEDROOM RECEPTACLES	1000	500		KITCHEN SMALL APPLIANCE	GFCI	20	1	2
3	20	1	-	DINING ROOM RECEPTACLES	1500	1500		KITCHEN SMALL APPLIANCE & HOOD	GFCI	20	1	4
5	20	1	-	LIVING ROOM RECEPTACLES	500	250		REFRIGERATOR	-	20	1	6
7	20	1	-	BATHROOM GFCI RECEPTACLE	600	600		DISHWASHER	-	20	1	8
9	20	1	-	SPARE				SPARE	-	20	1	10
11	20	1	-	UNIT LIGHTING/HOUSE FAN				CU-1	-	25		12
13	20	1	-	GWH-1	360	360			-	2		14
15	20	1	-	F-1	1820	1820		SPARE	-	20	1	16
17	20	1	-	SPARE	100	100		SD/CO	L.O.	20	1	18
19	20	1	-	SPARE				SPARE	-	20	1	20
21	20	1	-	SPARE				SPARE	-	20	1	22
23	20	1	-	SPARE				SPARE	-	20	1	24
TOTAL CONNECTED AND DEMAND LOADS (VA)					5880	5130	8627	7377	A - ARC FAULT C.B.			
TOTAL DIVERSIFIED LOADS (VA)					5130		7377		GFCI - GFCI C.B.			
TOTAL AMPERAGE							52.11		L.O. - LOCKABLE C.B.			

PANEL:		TYPICAL 2 BEDROOM UNIT		FRAME SIZE:	100A	VOLTAGE:	120 / 208					
LOCATION:		RECESSED IN UNIT		MCB:	100A	PHASE:	1φ					
FEEDER:		SEE RISER DIAGRAM ON E001		AIC:	10,000	WIRE:	3W+G					
CKT NO.	BR	P	FAULT CB.	CIRCUIT DESCRIPTION	PHASE A CONN.	PHASE B CONN.	DEMAND	CIRCUIT DESCRIPTION	FAULT CB.	BR	P	CKT NO.
1	20	1	A	MASTER BEDROOM RECEPTACLES	1000	500		KITCHEN SMALL APPLIANCE	GFCI	20	1	2
3	20	1	A	BEDROOM 2 RECEPTACLES	1500	1500		KITCHEN SMALL APPLIANCE & HOOD	GFCI	20	1	4
5	20	1	-	DINING ROOM RECEPTACLES	1000	500		REFRIGERATOR	-	20	1	6
7	20	1	-	LIVING ROOM RECEPTACLES	600	600		DISHWASHER	-	20	1	8
9	20	1	-	BATHROOM GFCI RECEPTACLE	500	250		SPARE	-	20	1	10
11	20	1	-	SPARE				CU-1,2	-	25		12
13	20	1	-	UNIT LIGHTING/HOUSE FAN	744	744			-	2		14
15	20	1	-	GWH-1	1820	1820		SPARE	-	20	1	16
17	20	1	-	F-1,2	863	863		SD/CO	L.O.	20	1	18
19	20	1	-	SPARE	100	100		SPARE	-	20	1	20
21	20	1	-	SPARE				SPARE	-	20	1	22
23	20	1	-	SPARE				SPARE	-	20	1	24
TOTAL CONNECTED AND DEMAND LOADS (VA)					8127	6877	7380	6130	A - ARC FAULT C.B.			
TOTAL DIVERSIFIED LOADS (VA)					6877		6130		GFCI - GFCI C.B.			
TOTAL AMPERAGE							54.20		L.O. - LOCKABLE C.B.			

Branch Panel: HP

Location: Volts: 120/208 Wye
 Supply From: Phases: 3
 Mounting: Recessed Wires: 4
 Enclosure: Type 1 A.I.C. Rating:
 Mains Type:
 Mains Rating: 100 A
 MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	SECOND FLOOR CORRIDOR LIGHTING	20 A	1	300 VA	360 VA		1	20 A	TELEPHONE SERVICE QUAD	2	
3	SECOND FLOOR CORRIDOR RECEPTACLES	20 A	1		1080...	360 VA	1	20 A	CABLE SERVICE QUAD	4	
5	EXIT SIGNS	20 A	1				1	20 A	ROOF GFI/WP RECEPTACLES	6	
7	SMOKE DETECTORS IN ENCLOSED STAIR (L.O.)	20 A	1	40 VA	0 VA		1	20 A	Space	8	
9	Space	20 A	1		0 VA	0 VA	1	20 A	Space	10	
11	Space	20 A	1		0 VA	0 VA	1	20 A	Space	12	
13	Space	20 A	1	0 VA	0 VA		1	20 A	Space	14	
15	Space	20 A	1		0 VA	0 VA	1	20 A	Space	16	
17	Space	20 A	1	0 VA	0 VA		1	20 A	Space	18	
19	Space	20 A	1	0 VA	0 VA		1	20 A	Space	20	
21	Space	20 A	1		0 VA	0 VA	1	20 A	Space	22	
23	Space	20 A	1		0 VA	0 VA	1	20 A	Space	24	
25	Space	20 A	1	0 VA	0 VA		1	20 A	Space	26	
27	Space	20 A	1		0 VA	0 VA	1	20 A	Space	28	
29	Space	20 A	1		0 VA	0 VA	1	20 A	Space	30	
31	Space	--	--	0 VA	0 VA		--	--	Space	32	
33	Space	--	--		0 VA	0 VA	--	--	Space	34	
35	Space	--	--				0 VA	0 VA	Space	36	
37	Space	--	--	0 VA	2864...		3	40 A	BP-1	38	
39	Space	--	--		0 VA	2864...	--	--		40	
41	Space	--	--				0 VA	2864...		42	
Total Load:				3584 VA	4304 VA	3244 VA					
Total Amps:				30 A	36 A	27 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	8592 VA	100.00%	8592 VA	Total Conn. Load: 11112 VA Total Est. Demand: 11112 VA Total Conn.: 31 A Total Est. Demand: 31 A
Lighting	320 VA	100.00%	320 VA	
Other	400 VA	100.00%	400 VA	
Receptacle	1800 VA	100.00%	1800 VA	

Notes:



By **CERTIFIED CORRECTIONS**

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No.	Description	Date
1	ISSUE FOR PERMIT	09.28.2015
	PERMIT CLARIFICATIONS	12.09.2015

WINDY CITY RE
 2113 S. STATE ST.

UNIT LOAD CALCULATIONS AND PANEL SCHEDULES

Seal: SHEETAL PATEL 062-064523
 Project No. 15-022
 Drawn By NW
 Checked By SP
 Approved By SP
 Drawing No. **E0.5**

Scale 1/8" = 1'-0"

2113 S. STATE ST.: SECOND FLOOR BUILD-OUT

WINDY CITY RE

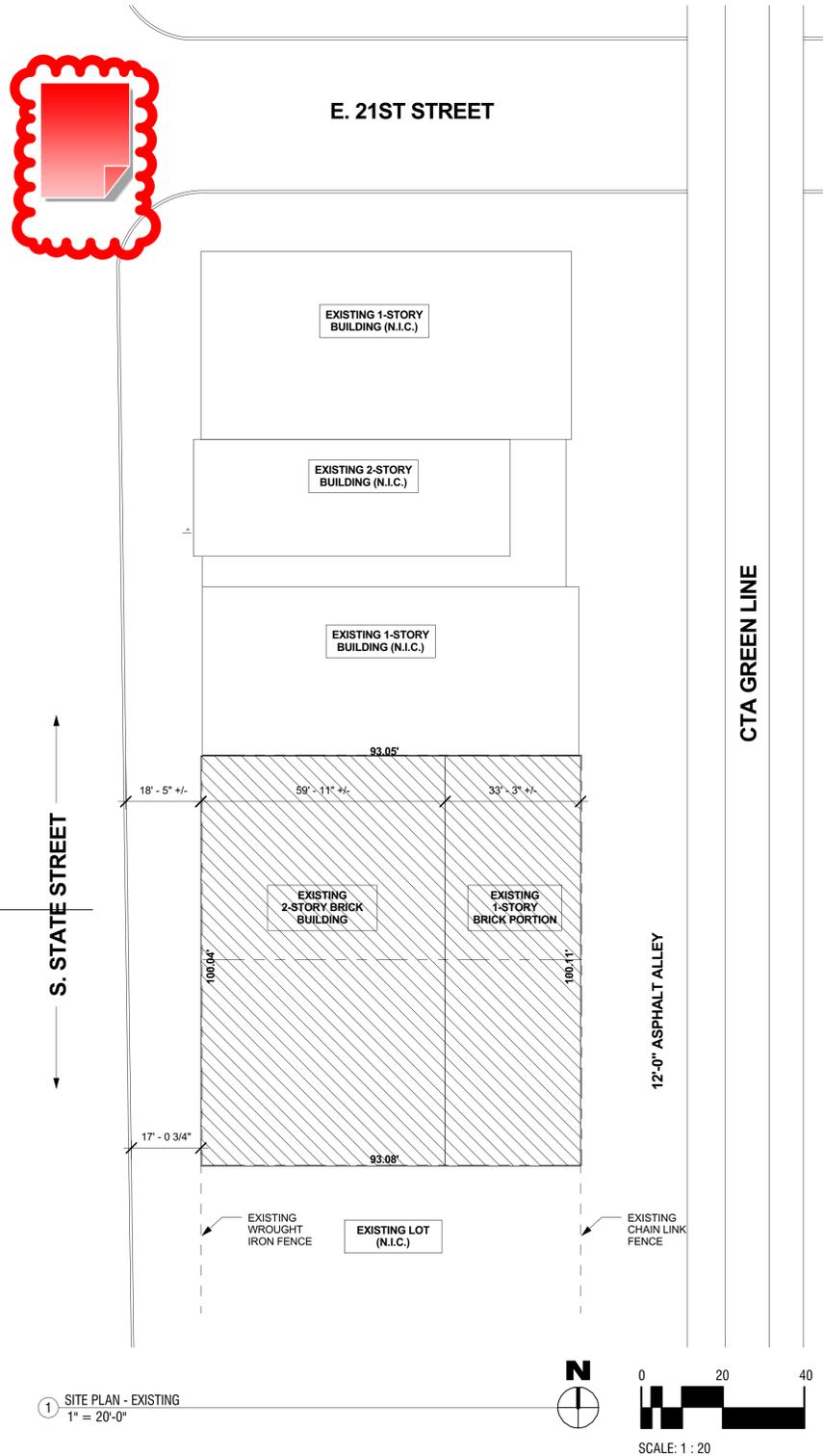
2113 SOUTH STATE STREET

CHICAGO, IL 60616

PROJECT # 15-022



ISSUED FOR 2ND FLOOR INTERIOR BUILD-OUT -- 09/28/2015



PROJECT INFORMATION

ZONING

NOTE: NO CHANGES PROPOSED TO INCREASE THE BUILDING AREA OR IMPERVIOUS SURFACES

DISTRICT: DX-5

USE: R (MERCANTILE ON GROUND FLOOR - NO CHANGE)

LOT AREA: 9,318.23 SF

BUILDING

OCCUPANCY CLASSIFICATIONS: E - BUSINESS AND/OR F - MERCANTILE (GROUND FLOOR)
A-2 - MULTI-FAMILY (SECOND FLOOR)

CONSTRUCTION TYPE: TYPE III-C (EXISTING NO CHANGE)

HEIGHT: 2 STORIES (NO CHANGE)

AREA: 15,101 SF (NO CHANGE)

MEANS OF EGRESS: 2 PER FLOOR SPACE OR AREA

PROJECT DESCRIPTION

REPAIR OF EXISTING EXTERIOR BRICK FACADE AND ALUMINIUM STOREFRONT SYSTEM.

EXISTING INTERIOR SPACE ON GROUND FLOOR TO ACCOMMODATE FUTURE TENANT BUILD-OUT (NOT IN SCOPE OF THIS PERMIT APPLICATION).

SECOND FLOOR CHANGE OF USE FROM BUSINESS (E) TO MULTIPLE DWELLING (A-2).

PROJECT LOCATION



OWNER

WINDY CITY RE
2113 SOUTH STATE STREET
CHICAGO, IL 60616

ARCHITECT

ALTUSWORKS INC.
4224 NORTH MILWAUKEE AVE.
CHICAGO, ILLINOIS 60641

STRUCTURAL ENGINEER

LARSON ENGINEERING, INC.
118 S. CLINTON ST., SUITE 250
CHICAGO, ILLINOIS 60661

MEP ENGINEER

RTM ASSOCIATES
250 S. WACKER DRIVE, SUITE 400
CHICAGO, ILLINOIS 60606



CONVERT ONE FLOOR VACANT (MERCANTILE) SPACE TO (7) RESIDENTIAL UNITS WITH ROOF DECK AND ASSOCIATED M.E.P. WORK AT 1ST - BASEMENT FLOORS AS PER PLANS IN AN EXISTING 2-STORY BUILDING WITH GROUND FLOOR COMMERCIAL SPACE / 2-4-16 / DIST DX-5 / STAMP FOR 2113 S STATE

STATEMENT OF COMPLIANCE

I HAVE PREPARED, OR CAUSE TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT (410 ILCS 25) AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 400)

SIGNED: _____
DATE: 9/28/2015

ILLINOIS LICENSE NUMBER: 001-016038

I CERTIFY THAT I AM A REGISTERED ENERGY PROFESSIONAL (REP). I ALSO CERTIFY THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF THE ATTACHED PLANS FOR

ADDRESS:

FULLY COMPLY WITH THE REQUIREMENTS OF CHAPTER 18-13, ENERGY CONSERVATION, OF THE MUNICIPAL CODE OF CHICAGO, EXCEPT 18-13-303.1.

SIGNED: _____
DATE: 9/28/2015

ILLINOIS LICENSE NUMBER: 001-016038

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE THEY CONFORM TO THE CHICAGO BUILDING CODE. I ALSO CERTIFY THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF ILLINOIS.

SIGNATURE: _____

REGISTRATION NO.: 001-016038

DATE: 9/28/2015



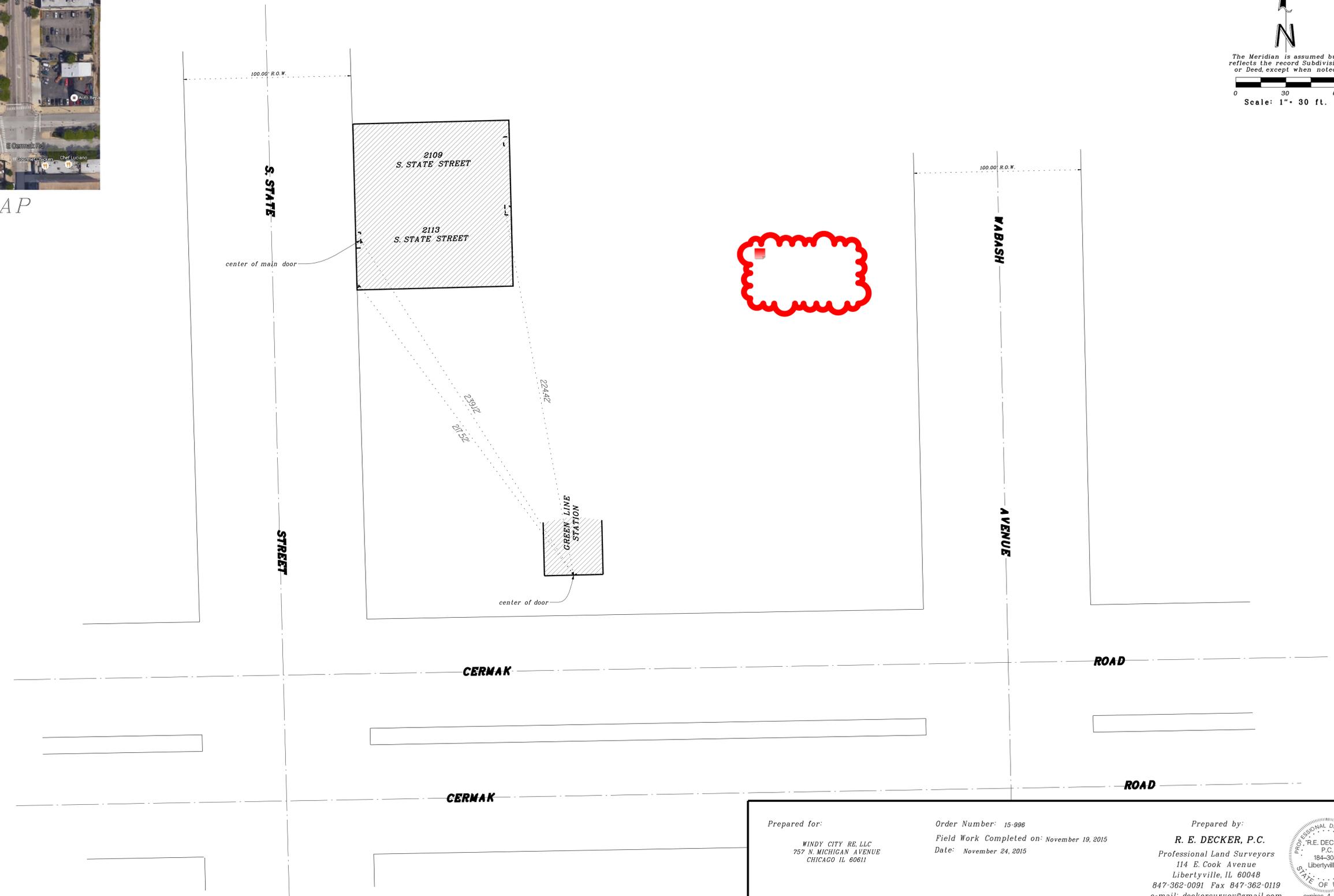
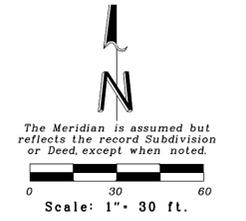
By _____
CERTIFIED CORRECTIONS

LOCATION SKETCH

GREEN LINE STATION TO 2109-13 S. STATE STREET



VICINITY MAP



Prepared for:	Order Number: 15-996	Prepared by:
WINDY CITY RE, LLC 757 N. MICHIGAN AVENUE CHICAGO IL 60611	Field Work Completed on: November 19, 2015 Date: November 24, 2015	R. E. DECKER, P.C. Professional Land Surveyors 114 E. Cook Avenue Libertyville, IL 60048 847-362-0091 Fax 847-362-0119 e-mail: deckersurvey@gmail.com



