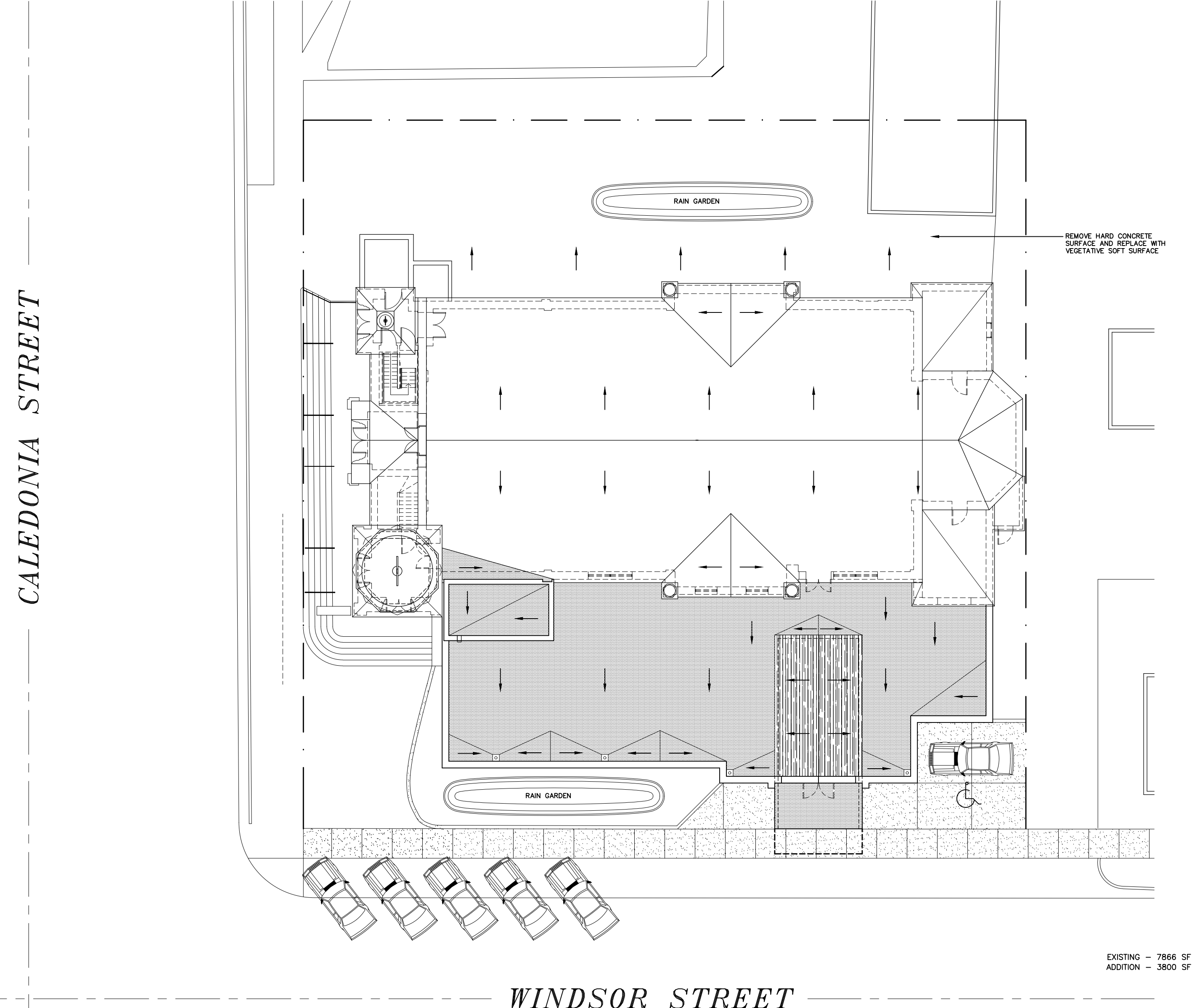


SAINT JAMES CHURCH

BUILDING ADDITION

1032 CALEDONIA STREET LA CROSSE, WI 54603



EXISTING - 7866 SF
ADDITION - 3800 SF

1 SITE | LOCATION PLAN | ROOF PLAN
1/16" = 1'-0"

CONSTRUCTION
EXPRESS INC

411 LA CROSSE STREET
LA CROSSE, WI 54601
(608) 784-9290

SAINT JAMES CHURCH
BUILDING ADDITION
1032 CALEDONIA ST
LACROSSE, WI 54603

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL UNDER THE LAWS OF THE STATE OF WI.

SIGNED _____
DATE _____
NUMBER _____

JOB # 18026

MAR 28, 2019

REVISIONS

PLOT 1/16"=1'-0"

SITE PLAN
STRUCTURAL INFO
CODE INFO

A001

2

STRUCTURAL NOTES									
1. DESIGN CODES - (ALL LATEST EDITIONS)	<ul style="list-style-type: none"> - AMERICAN CONCRETE INSTITUTE (ACI) - CONCRETE REINFORCING STEEL INSTITUTE (CRSI) - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) - NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) - 2015 INTERNATIONAL BUILDING CODE - 2015 WISCONSIN BUILDING CODE 								
2. DESIGN LIVE LOADS	<ul style="list-style-type: none"> - ROOF = 33.8 PSF + APPLICABLE DRIFT LOADS (SEE SHT A102) - WIND = 20.2 PSF @ ROOF & WALLS - FLOOR = 100 PSF LOBBIES & FIRST FLOOR CORRIDORS) - FLOOR = 80 PSF CORRIDORS ABOVE FIRST FLOOR) - FLOOR = 50 PSF (OFFICES) - FLOOR = 40 PSF (CLASSROOMS) - FLOOR = 100 PSF (DINING & ASSEMBLY SPACES) 								
3. SOIL	<ul style="list-style-type: none"> - 2000 PSF - (ASSUMED) - 2000 PSF SAFE BEARING USED FOR DESIGN - FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED ENGINEERED FILL. ENGINEERED FILL SHALL BE A WELL GRADED GRANULAR MATERIAL COMPACTED TO 96% STANDARD PROCTOR DENSITY. 								
4. CAST-IN-PLACE CONCRETE	<ul style="list-style-type: none"> - ARRANGEMENTS, BENDING, DETAILING AND SUPPORT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI AND CRSI STANDARDS. - WHERE REINFORCING BARS ARE SHOWN CONTINUOUS LAP BARS #4-20', #5-26', #6-33' - REINFORCEMENT STEEL BARS - ASTM A615 GRADE 60 (60 KSI) - MAXIMUM SIZE OF AGGREGATE IS 1 1/2" - MAXIMUM SLUMP IS 5" <table border="1"> <thead> <tr> <th>COMPONENT</th> <th>CONC STRENGTH @ 28 DAYS</th> </tr> </thead> <tbody> <tr> <td>- BLOCK/MASONRY FILL</td> <td>2500 PSI</td> </tr> <tr> <td>- FOOTINGS & FOUNDATION WALLS</td> <td>3500 PSI</td> </tr> <tr> <td>- INTERIOR & EXTERIOR SLABS</td> <td>4000 PSI</td> </tr> </tbody> </table>	COMPONENT	CONC STRENGTH @ 28 DAYS	- BLOCK/MASONRY FILL	2500 PSI	- FOOTINGS & FOUNDATION WALLS	3500 PSI	- INTERIOR & EXTERIOR SLABS	4000 PSI
COMPONENT	CONC STRENGTH @ 28 DAYS								
- BLOCK/MASONRY FILL	2500 PSI								
- FOOTINGS & FOUNDATION WALLS	3500 PSI								
- INTERIOR & EXTERIOR SLABS	4000 PSI								
5. MASONRY	<ul style="list-style-type: none"> - MASONRY BLOCK UNITS - NORMAL WEIGHT - MORTAR TO BE TYPE S - CONFORMING TO ASTM C270 - INSTALL FLASHINGS AT BASE & ALL OPENINGS - INSTALL BLOCK ANCHORS 48"oc VERT TO COLUMNS - INSTALL WEEP HOLES AT 48"oc 								

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CODE INFORMATION	
2015 INTERNATIONAL COMMERCIAL BUILDING CODE	
USE & OCCUPANCY CLASSIFICATION:	
PRIMARY USE: 303.4 ASSEMBLY GROUP A-3 - CHURCH WORSHIP	
BUILDING HEIGHTS & AREAS: (TABLE 504.4 & 506.2)	
ASSEMBLY GROUP A-3 MAXIMUM HEIGHT = 2 STORIES MAXIMUM AREA/FLOOR = 9,500 SF (NON-SPRINKLERED)	
TYPE OF CONSTRUCTION: (TABLE 503)	
II-B	
FIRE PROTECTION SYSTEMS: (CHAPTER 9)	
903.2.1.3 GROUP A-3	
A NFPA 13 AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED AND WILL NOT BE INSTALLED.	
A NFPA 13 AUTOMATIC SPRINKLER SYSTEM IS REQUIRED WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:	
<ol style="list-style-type: none"> 1. THE FIRE AREA EXCEEDS 12,000 SF. 2. THE FIRE AREA HAS AN OCCUPANT LOAD OF 300 OR MORE. 3. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES. 	
FIRE RESISTIVE RATINGS: (TABLE 601)	
STRUCT FRAME-COLUMNS, GIRDERS, TRUSSES	0-NR HR RATING
EXTERIOR BEARING WALLS - >30 FT (TABLE 602)	0-NR HR RATING
INTERIOR BEARING WALLS	0-NR HR RATING
FLOOR BEAMS & JOISTS	0-NR HR RATING
ROOF BEAMS & JOISTS	0-NR HR RATING
INTERIOR PARTITIONS	0-NR HR RATING
REO'D EXIT CORRIDORS (TABLE 1018.1)	0-HR W/ SPRINKLER
VERTICAL SHAFTS/STAIRWAYS (1022.2)	1-HR < 4 STORIES
EXTERIOR WALLS >30 FT (TABLE 602 II-B)	0-NR HR RATING
DOOR ASSEMBLIES	(SEE TABLE 716.5)
EXIT DISTANCE: (TABLE 1017.2)	
MAXIMUM = 200 FT (WITHOUT AUTOMATIC SPRINKLER SYSTEM)	
OCCUPANT LOAD: (TABLE 1004.1.2)	
(SEE SHEET A002 FOR CALCULATED OCCUPANCY LOAD)	
NEW ADDITION BUILDING OCCUPANTS:	
TOTAL OCC = 250 OCC	
MEANS OF EGRESS: (1005.3)	
(SEE SHEET A002 FOR CALCULATED EXIT WIDTHS)	
2 EA 36 IN EXIT DOORS PROVIDED = 72 INCHES OF EGRESS WIDTH	
SANITARY FACILITIES: (TABLE 2902.1)	
(SEE SHEET A002 FOR CALCULATED FIXTURE REQUIREMENTS)	
NEW FACILITIES PROVIDED:	
UNISEX RESTROOMS - 1 TOILETS	
- 1 URINAL	
- 1 LAVATORIES	
MEN RESTROOMS - 2 TOILETS	
- 2 URINAL	
- 2 LAVATORIES	
WOMEN RESTROOMS - 2 TOILETS	
- 2 LAVATORIES	
JANITOR - 1 MOP SINK	
DRINKING WATER - 2 BOTTLED WATER DISPENSERS	
- 2 HIGH-LOW ELECTRIC WATER COOLERS	

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DRAWING INDEX	
NO	DESCRIPTION
A001	SITE PLAN, CODE & STRUCT INFO
A002	CODE ANALYSIS
A100	EXISTING & ADDITION FIRST FLOOR PLAN
A101	BASEMENT & ADDITION FOUNDATION PLAN
A102	ROOF & ROOF FRAMING PLAN
A200	BUILDING ELEVATIONS
A300	BUILDING WALL SECTIONS
A400	LARGE SCALE PLANS
A500	SECTION DETAILS