New Joy

Lutheran Church, ELCA
Westfield, Indiana

# New Joy Lutheran Church

## Northeast Corner of Springmill Road & 156th Street

## Request for Development Plan & Site Plan Approval

## Plan Commission Public Hearing

RECEIVED
SEP 11 2007
WESTFIELD COMMUNITY
DEVELOPMENT DEPARTMENT

| New Worship Facility: New Joy Lutheran Church 15651 Springmill Road, Westfield, IN 46074 | APC Review<br>Project No.: 06142<br>Date: July 23, 2007 | ARCHITECTURE + PLANNING<br>8 West Louisiana Street<br>Suite A<br>Indianapolis, Indiana 46225<br>telephone 317.951.9192<br>facsimile 317.951.9194<br>www.arcDESIGN.us | This drawing and its contents are the property of arc DESIGN P.C., and shall not be reproduced in whole or in part by any means, mechanical or electronic, without express written permission of arc DESIGN. Copyright 2007, by arc DESIGN P.C. | arc DESIGN |
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New Joy

Lutheran Church, ELCA
Westfield, Indiana

# Request for Development Plan and Site Plan Approval

## Northeast corner of Springmill Road and 156th Street

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Tab 1 - Statement of Purpose
Tab 2 - Site Location Plan
Tab 3 - Proposed Site Plan
Tab 4 - Landscaping Plan
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ARCHITECTURE + PLANNING
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# STATEMENT OF PURPOSE:

The New Joy Lutheran Church submits this Development Plan/ Site Plan Review request in order to build a new church facility at the northeast corner of Springmill Road and 156th Street (see Site Location Map at Tab 2).

A Site Plan of the new facility is included at Tab 3. The Landscaping Plan, Lighting Plan, and Building Elevations are included at Tabs 4, 5 and 6, respectively. The proposal meets or exceeds all applicable standards.

Thank you for your consideration.




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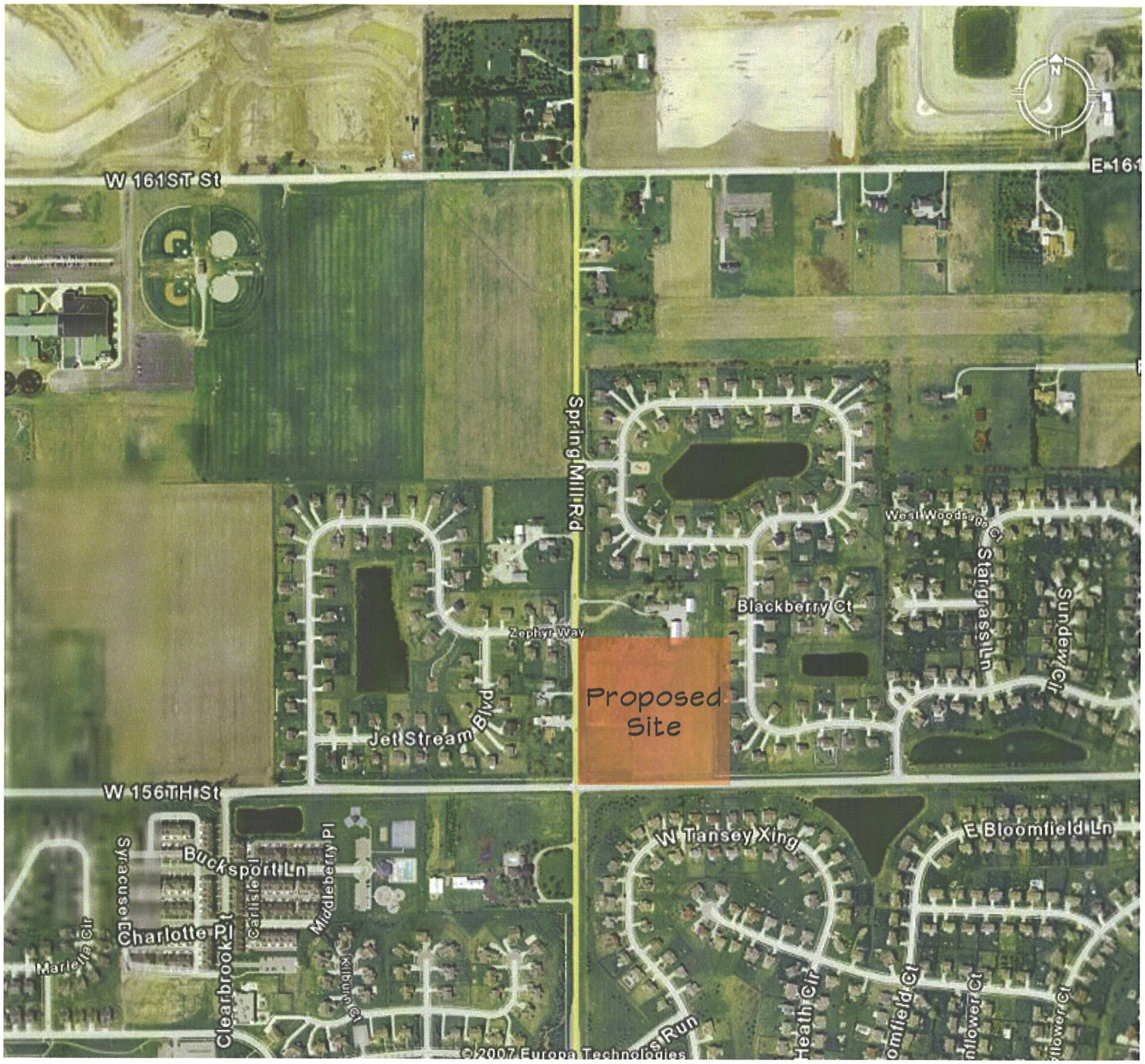


New Worship Facility:

New Joy Lutheran Church

15651 Springmill Road, Westfield, IN 46074

APC Review

Project No.: 06142

Date: July 23, 2007

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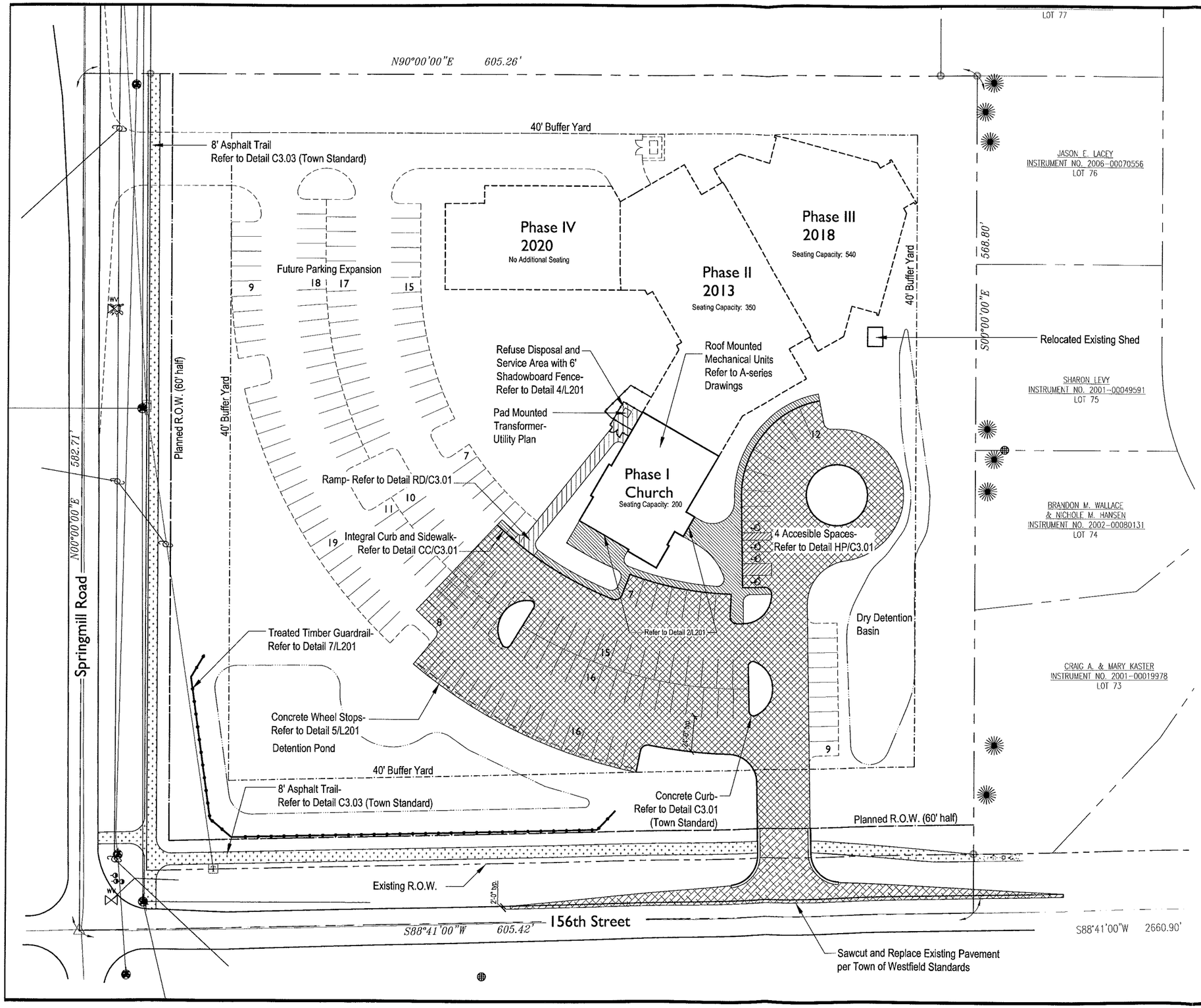


North

0 15' 30' 60'
Scale: 1" = 30'-0"

## Materials Legend:

- Standard Concrete Pavement Refer to Detail SW-C3.01
- Heavy Duty Concrete Pavement Refer to Detail 3/L201
- Standard Asphalt Pavement Refer to Detail SP/C3.01
- Heavy Duty Asphalt Pavement Refer to Detail 6/L201
- Asphalt Trail Refer to Detail C3.03 (Town Standard)

## Site Information:

| | |
|---|---|
| Acreage: | 8.0 Acres |
| Phase 1 Parking: | 70 Spaces @ 10' x 20'<br>4 Accessible Spaces<br>74 Total Spaces |
| Future Parking: | 175 Total Spaces @ 10'x 20'<br>6 Total Accessible Spaces<br>181 Total Spaces |


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New Joy

New Worship Facility:

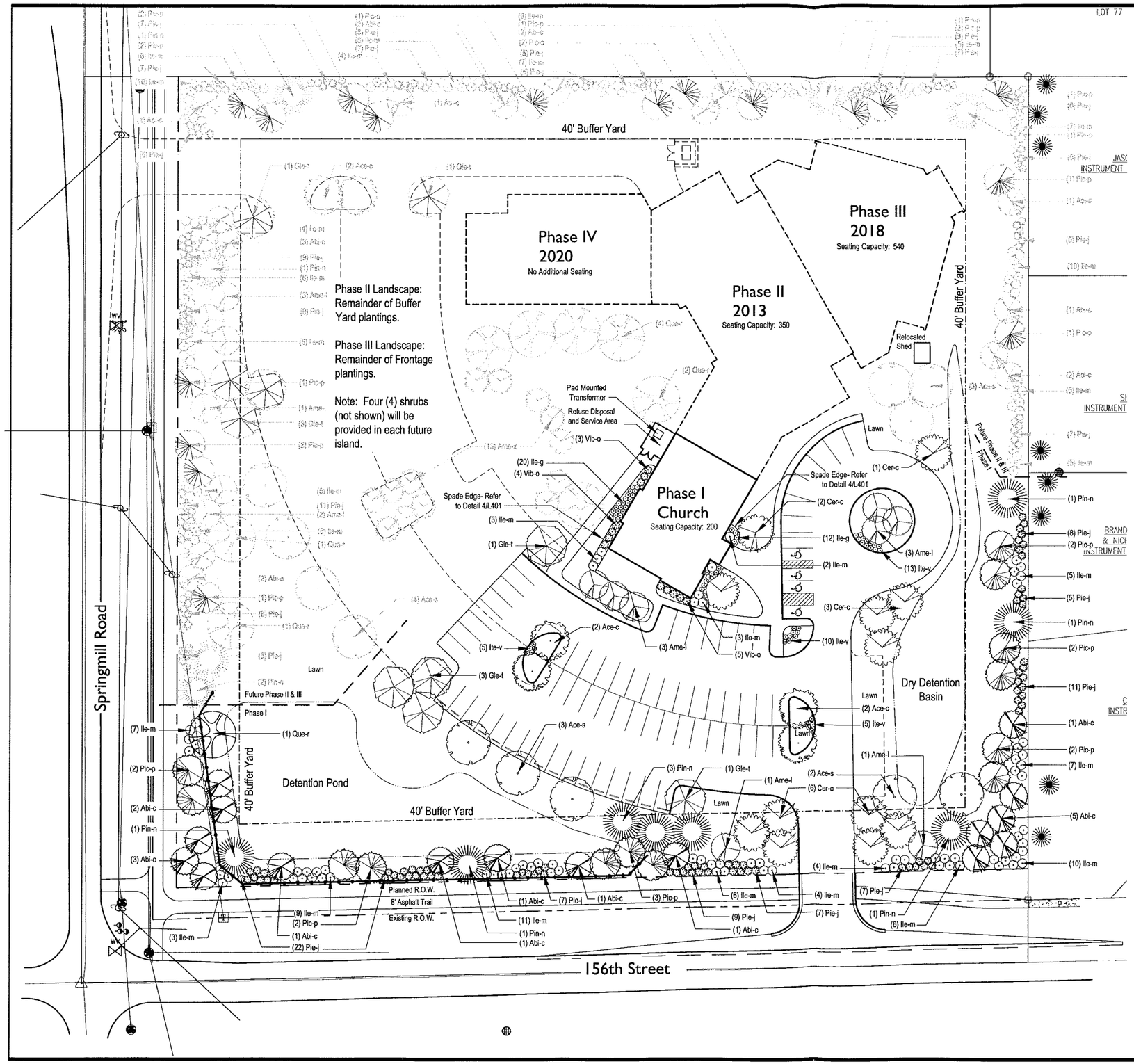
# New Joy Lutheran Church

15651 Springmill Road, Westfield, IN 46074

| | |
|---|---|
| Project No. | 06142 |
| Date. | July 9, 2007 |
| Drawn By. | APP, GDM |
| Checked By. | GGS |

L200

PHASE 1
KEY PLAN




## Westfield Zoning Compliance Worksheet

| On-Site Requirements | | Acres: | 8 |
|---|---|---|---|
| | *Required* | *Shown* | + / - |
| Shade Trees | 16 | 42 | 26 |
| Ornamental/ Evergreen Trees | 24 | 37 | 13 |
| Shrubs | 80 | 81 | 1 |

| Buffer Requirements | | | |
|---|---|---|---|
| | *Required* | *Shown* | + / - |
| *North Property Line* | | Distance: | 560 |
| Evergreen Trees | 19 | 19 | 0 |
| Evergreen Shrubs | 93 | 96 | 3 |
| *East Property Line* | | Distance: | 529 |
| Evergreen Trees | 18 | 18 | 0 |
| Evergreen Shrubs | 88 | 90 | 2 |
| *South Property Line* | | Distance: | 560 |
| Evergreen Trees | 19 | 19 | 0 |
| Evergreen Shrubs | 93 | 96 | 3 |
| *West Property Line* | | Distance: | 543 |
| Evergreen Trees | 18 | 18 | 0 |
| Evergreen Shrubs | 91 | 95 | 5 |

| Road Frontage Requirements | | | |
|---|---|---|---|
| | *Required* | *Shown* | + / - |
| *Springmill Road* | | Distance: | 543 |
| Shade Trees | 14 | 14 | 0 |
| *156th Street* | | Distance: | 560 |
| Shade Trees | 14 | 14 | 0 |

Note: Worksheet includes all phases of planting.

## GENERAL LANDSCAPE & PLANTING NOTES

1. Plant material to be installed and maintained by a qualified and experienced landscape installer.

2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. Stake all plant locations for review and approval by the Landscape Architect before planting. On-site adjustments may be required. Plants are to be freshly dug. Transporting of plants shall be done in a manner as to not destroy the natural shape, compromise the health, or alter the characteristics of plant materials.

3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.

4. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule.

5. All plant beds shall receive 3" minimum of genuine shredded hardwood bark mulch (unless otherwise noted). Apply pre-emergent herbicide as directed by the manufacturer prior to installing mulch. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or other treatment.

6. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet ASTM D5268 standards. Landscaper shall verify depth and quality of topsoil prior to plant installation. A minimum of 4" of topsoil is required for sodded areas; 12" for plant beds. Topsoil sources shall include the reuse of surface soil stockpiled on site, clean of roots, plants, sod, stones, clay lumps, and other extraneous or foreign materials larger than 1". Supplement with imported topsoil from off-site sources when quantities are insufficient. Do not obtain supplemental topsoil from agricultural land, bogs, or marshes. Inorganic amendments, organic amendments, and fertilizers shall be used to amend topsoil as needed for long-term plant health.

7. Verify all utility locations in the field prior to beginning work. Repair all damaged utilities to satisfaction of the Owner and Operating Authority at no additional cost.

8. Install all plant material in accordance with all local codes and ordinances. Coordinate with the Owner to obtain any required permits necessary to complete work. All workmanship and materials shall be guaranteed by the Contractor for a period of one (1) calendar year after Final Acceptance.

9. Maintain all plant material for a three (3) month period from date of Substantial Completion. Maintenance shall include pruning, cultivating, watering, weeding, fertilizing, restoring plant saucers, spraying for disease and insects, and replacing tree wrappings. Recommended long-term maintenance procedures shall be provided to the Owner before expiration of this period.

10. All disturbed areas not otherwise planted shall be seeded.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New Worship Facility:
# New Joy Lutheran Church
15651 Springmill Road, Westfield, IN 46074

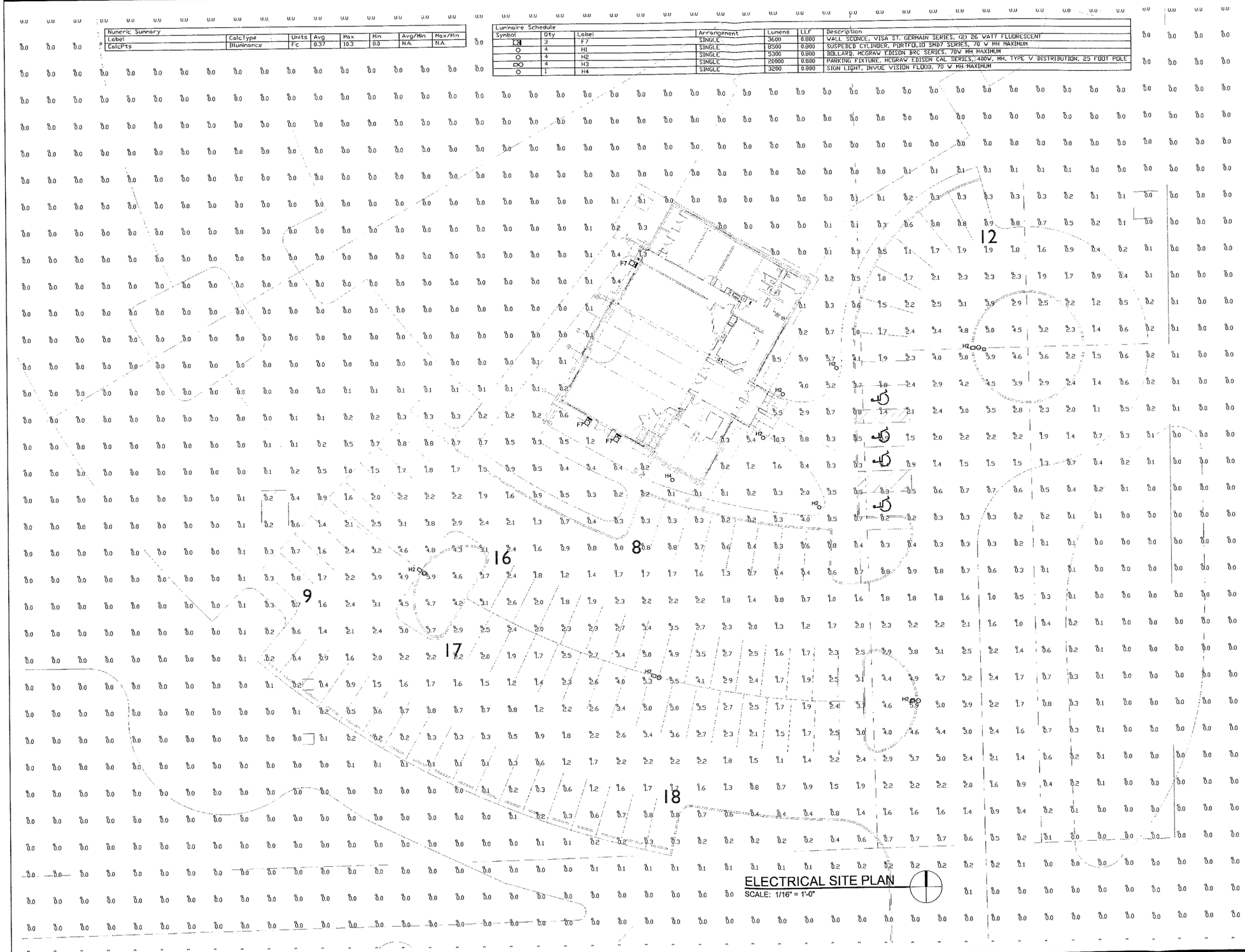
Project No. 06142
Date. July 9, 2007
Drawn By. APP, SDM
Checked By. CGS

L400

PHASE 1
LANDSCAPE PLAN

| Nuneric Summary | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| CalcPts | Illuminance | Fc | 0.37 | 10.3 | 0.0 | N.A. | N.A. |

| Luminaire Schedule | | | | | | |
|---|---|---|---|---|---|---|
| Symbol | Qty | Label | Arrangement | Lumens | LLF | Description |
| | 3 | F7 | SINGLE | 3600 | 0.800 | WALL SCONCE, VISA ST. GERMAIN SERIES, (2) 26 WATT FLUORESCENT |
| | 4 | H1 | SINGLE | 8500 | 0.800 | SUSPEDED CYLINDER, PORTFOLIO SMD7 SERIES, 70 V MH MAXIMUM |
| | 4 | H2 | SINGLE | 5300 | 0.800 | BOLLARD, MCGRAW EDISON BRC SERIES, 70V MH MAXIMUM |
| | 4 | H3 | SINGLE | 20000 | 0.800 | PARKING FIXTURE, MCGRAW EDISON CAL SERIES,,400W, MH, TYPE V DISTRIBUTION, 25 FOOT POLE |
| | 1 | H4 | SINGLE | 3200 | 0.800 | SIGN LIGHT, INVUE VISION FLOOD, 70 V MH-MAXIMUM |




ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'-0"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REGISTERED
No. 10200105
STATE OF INDIANA
PROFESSIONAL ENGINEER

William R Stacy


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New Joy

New Worship Facility:

# New Joy Lutheran Church

15651 Springmill Road, Westfield, IN 46074

| | |
|---|---|
| Project No. | 06142 |
| Date. | July 9, 2007 |
| Drawn By. | DGS |
| Checked By. | DGS |

# E101
## PHOTOMETRIC SITE PLAN

100% Construction Documents

# McGRAW-EDISON®

## DESCRIPTION

The McGraw-Edison Concourse III is the most versatile, functionally designed, universally adaptable outdoor lighting luminaire available. Through a variety of mounting styles, it offers a family of low profile sharp-cutoff luminaires that make optimum use of today's high output HID sources.

Enhancing natural landscapes as well as cityscapes, the Concourse III brings outstanding performance and style to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed and CSA certified for wet locations.

| | | |
|---|---|---|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

## SPECIFICATION FEATURES

**A ... Latches**
Two spring-steel quick release latches on housing for toolless entry.

**B ... Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.

**C ... Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.

**D ... Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.

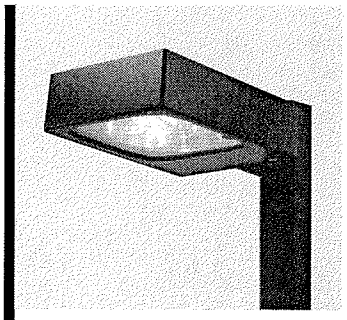
**E ... Lens**
Thermal shock- and impact resistant clear tempered glass.

**F ... Optics**
Optional high efficiency segmented or hydroformed reflectors available in a range of distributions. Reflector modules attach to the housing. All reflectors are field rotatable in 90° increments.(5)

**G ... Mounting**
Universal mounting clamp concealed in housing fits 1 1/2" to 2 3/8" O.D. horizontal tenons without adapters. Provides a +5° vertical leveling adjustment. Al mounting option includes arm and round pole adapter with the fixture for single carton shipment.

**H ... Ballast**
Easily removable high power factor HID multi-tap ballast is standard.

**J ... Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.

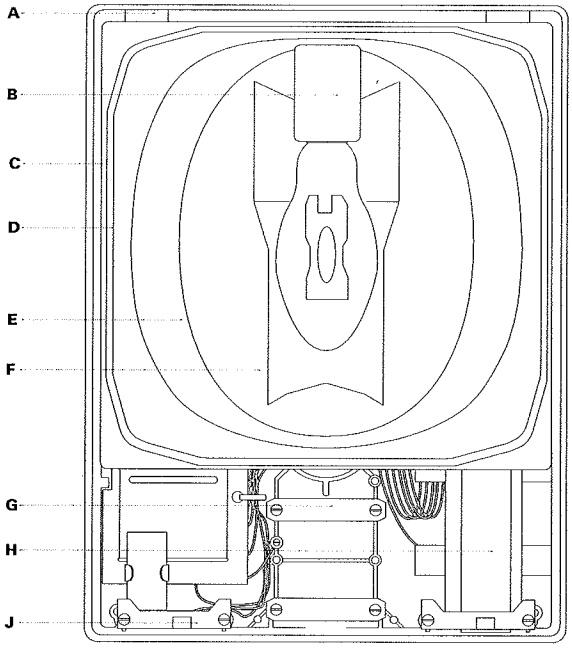


# CAL
## CONCOURSE III

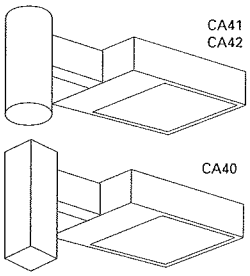
**70 - 400W**
**High Pressure Sodium**
**Metal Halide**

**ARCHITECTURAL AREA LUMINAIRE**

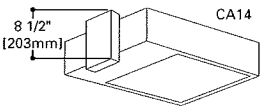
DARK SKY COMPLIANT FCO Full Cutoff




DIRECT ARM MOUNTINGS




WALL MOUNT ADAPTER




## ENERGY DATA

**Hi-Reactance Ballast Input Watts**
70W HPS HPF (95 Watts)
70W MH HPF (94 Watts)
100W HPS HPF (130 Watts)
100W MH HPF (129 Watts)

**CWA Ballast Input Watts**
150W MH HPF (210 Watts)
175W MH HPF (210 Watts)
250W HPS HPF (300 Watts)
250W MH HPF (295 Watts)
400W HPS HPF (465 Watts)
400W MH HPF (455 Watts)

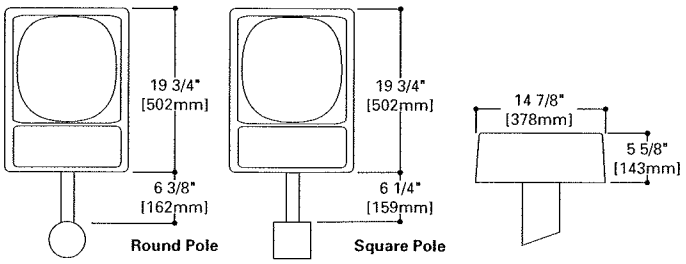
## EPA

**Effective Projected Area:** 0.9

## SHIPPING DATA

**Approximate Net Weight:**
39 lbs. (18 kgs.)

## DIMENSIONS



# McGRAW-EDISON®

## DESCRIPTION

The McGraw-Edison BSC / BRC Bollard, available in heights from 24" to 42", has crisp, clean lines which blend with any architectural setting. Constructed of seamless, heavy-duty aluminum and finished with tough polyester powder coat, the Bollard is gasketed to seal out external contaminant's. U.L. 1598 listed and CSA certified for wet locations.

Bollards are designed for walkways, entranceways, drives and other small-area lighting applications where low mounting heights are desirable.

| | | |
|---|---|---|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

## SPECIFICATION FEATURES

**A ... Top**
Rugged, heavy-duty aluminum. Provides rapid heat dissipation. Encloses the upper reflector so it is hidden from view. Tamper-proof screws provide easy access to lamp compartment.

**B ... Housing**
Consists of a heavy-duty, seamless extruded aluminum tube. Lifts off base for easy access to ballast.

**C ... Optics**
Lower dispersing reflector, in conjunction with a truncated, octagonal upper collecting reflector, provides low-glare, highly efficient illumination with optimum uniformity. EXAMPLE: Using 70W HPS lamps with Bollard Series luminaires mounted on 20' centers produce a symmetric light pattern with a max. to min. uniformity ratio of less that 4:1.

**D ... Lens**
1/4" wall, impact-resistant clear acrylic.

**E ... Prismatic Refractor**
All Bollard Series luminaires are available with an optional prismatic borosilicate glass refractor to provide efficient, low-glare light distribution (not shown).

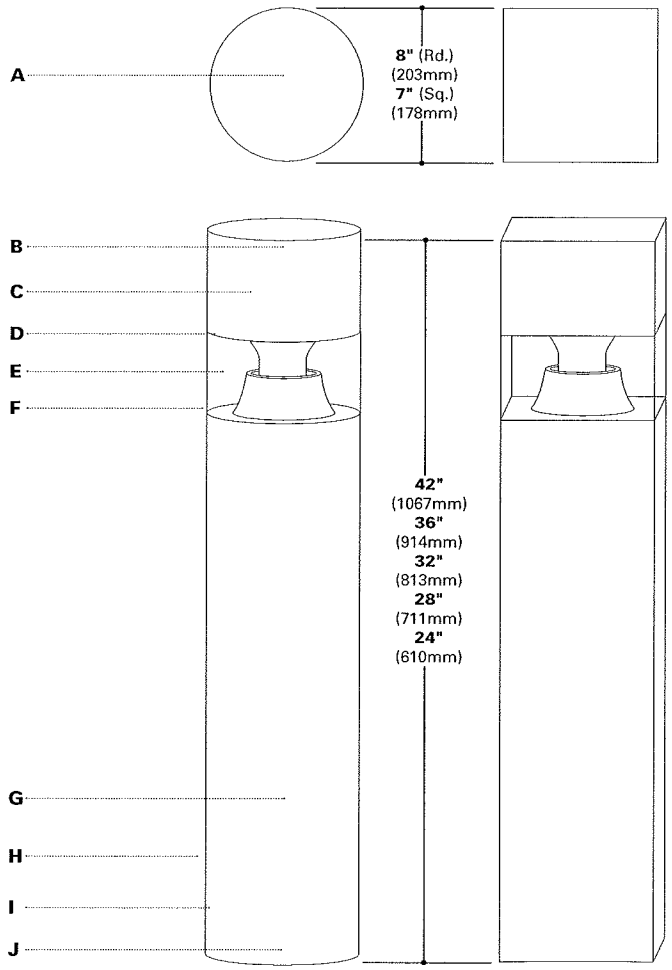
**F ... Gasketing**
Bollards are designed to form a single, integral unit that is completely gasketed and sealed from outside contaminants.

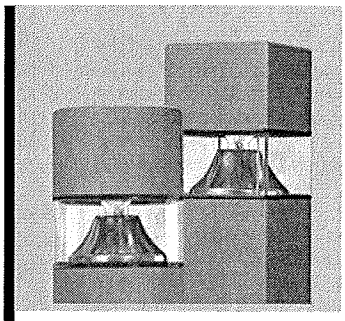
**G ... Electrical**
High Power Factor ballast for -20°F starting. Product is factory mounted to the base. Quick disconnects provided between lamp and electrical assembly. HPS and MH Lamp sources up to 100W MH or HPS and up to 57W Compact Fluorescent sources available with MOL length not exceeding 7".

**H ... Finish**
Premium fade and abrasion resistant, TGIC Polyester Powder Coat Finish. Standard colors are Black, Grey, Bronze, White, Dark Platinum and Graphite Metallic. Other finish colors available including all RAL matches.

**I ... Base**
Rugged cast aluminum. Completely concealed.

**J ... Mounting**
Base mounts onto foundation with three (3) 1/2" x 12 1/2" anchor bolts on a 5" Dia. bolt circle (a centrally located 2 7/8" x 3 1/2" wire entrance opening provided). Bollard housing is secured to the base with flathead, counter-sunk screws for smooth, uncluttered appearance.



# BSC/BRC
## BOLLARD

**26 - 100W**
**Metal Halide**
**High Pressure Sodium**
**Compact Fluorescent**
**Incandescent**

**PATHWAY LUMINAIRE**

**TEMPLATE—1307C74HO1**

**ANCHOR BOLTS (3) - LU∧000009Y003**
1/2" x 12 1/2" Size

**ENERGY DATA**

**Reactor Ballast Input Watts**
35W HPS NPF (46 Watts)

**High Reactance Ballast Input Watts**
50W MH HPF (66 Watts)
70W HPS NPF/HPF (95 Watts)
100W HPS HPF (130 Watts)
100W MH HPF (129 Watts)

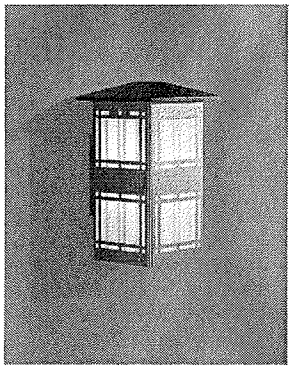
**SHIPPING DATA**
**Approximate Net Weight:**
26 lbs. (12 kgs.)

VISA LIGHTING
An Oldenburg Group Company

| | | | |
|---|---|---|---|
| Job: | | Type: | |
| Client: | | Approvals: | |

# St Germain | OW1062

*Catalog Number:* OW1062



## Dimensions

| Key | English | Metric |
|---|---|---|
| D (depth) | 9-3/8" | 238mm |
| MC (mounting center) | 8-3/8" | 213mm |
| W (width) | 8-3/4" | 222mm |
| H (height) | 15-3/8" | 391mm |

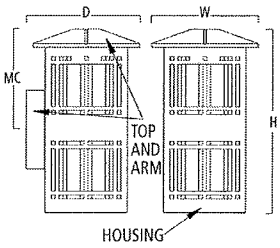
## Options

### Top and Arm

☐ **PT** Painted

### XPS Option

☐ **XPS** Express 10 Day Shipment



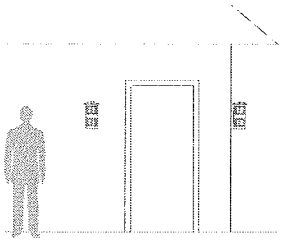

## Lamping Choices

| Lamping | Voltage | Max Amps |
|---|---|---|
| ○ **1H70(120/277V)**<br>(1) 70 watt, Metal Halide, ED17, MED<br>Ballast(s): V, , H.P.F., , HID ballast. | 120/277V | .85/.37 |
| ○ **2QF13(120/277V)**<br>(2) 13 watt, Quad Compact Fluorescent, QUAD, G24Q-1<br>Ballast(s): V, integral, electronic, H.P.F. Fluorescent. | 120/277V | .32/.14 |
| ○ **2QF26(120/277V)**<br>(2) 26 watt, Quad Compact Fluorescent, QUAD, G24Q-3<br>Ballast(s): V, integral, electronic, H.P.F. Fluorescent. | 120/277V | .53/.22 |
| ○ **2N75(120V)**<br>(2) 75 watt, Incandescent, A19, MED | 120V | 1.26 |

## Finishes

### Housing Finish

- ○ **PTCTBS** Unspecified
- ○ **ABZ** Antique Bronze
- ○ **BBH** Black-Brass Hammertone
- ○ **BLH** Black-Silver Hammertone
- ○ **BLK** Black
- ○ **BWD** Beachwood
- ○ **CAL** Charcoal Aluminium
- ○ **CHA** Champagne
- ○ **CWT** Colonial White
- ○ **DBZ** Dark Bronze
- ○ **DCO** Deep Copper
- ○ **DIN** Deep Indigo
- ○ **DSA** Dark Sage
- ○ **DSM** Dark Smoke
- ○ **DST** Dark Slate
- ○ **EGT** Egrette
- ○ **GAL** Graphite Aluminum
- ○ **GBR** Golden Brass
- ○ **GNH** Grenich
- ○ **HGN** Hunter Green
- ○ **IVM** Ivory Mist
- ○ **LBZ** Light Bronze
- ○ **LSA** Light Sage
- ○ **LST** Light Slate
- ○ **MBZ** Medium Bronze
- ○ **NAV** Navarrone
- ○ **OEB** Old English Bronze
- ○ **PLT** Platinum
- ○ **PRL** Pearl
- ○ **RBH** Red-Bronze Hammertone
- ○ **RBZ** Red Bronze
- ○ **RCO** Resisto Copper
- ○ **SAL** Satin Aluminum
- ○ **SBR** Satin Brass
- ○ **SBZ** Satin Bronze
- ○ **SDF** Sandrift
- ○ **SLH** Silver Hammertone
- ○ **TTN** Titanium
- ○ **VER** Verdigris Powder
- ○ **WHT** White
- ○ **PT** Painted
- ○ **VG** Verdigris Patina Over Copper



c UL UL Wet

**Mounting:**
Mounts to a 4" octagonal electrical box (by others) with a universal mounting strap and hardware provided. See mounting center dimensions (M.C.) on the above drawing to locate the electrical box.

## Variations -

## Notes

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# INVUE®

## DESCRIPTION

VISION FLOOD'S cylindrical form blends effortlessly to architectural and landscape environments. Available in wattages up to 1000 watt Metal Halide and in two (2) housing sizes, VISION FLOOD offers properly scaled solutions for any floodlighting application.

| | | |
|---|---|---|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

## SPECIFICATION FEATURES

**A ... Housing**
One-piece die-cast aluminum housing maintains a nominal .125" thickness to endure the toughest environments while maintaining precise tolerance control.

**B ... Door**
Die-cast aluminum door maintains a nominal .125" thickness and features concealed hinging to the housing. Door is secured with four (4) tamper resistant recessed stainless steel allen head fasteners. Door frame features an integral accessory channel for the mounting of optional light control accessories. Doorframe seals to housing with a continuous extruded silicone gasket. Lens is impact resistant .180" thick tempered clear flat glass, sealed to the door with a one-piece silicone gasket.

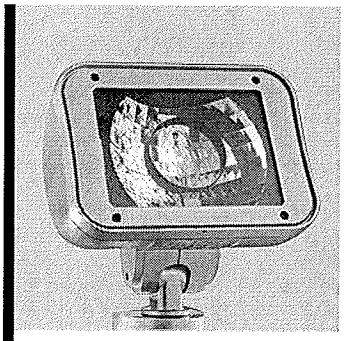
**C ... Optical Assembly**
Choice of six (6) high efficiency optical systems constructed of premium 95% reflective anodized aluminum sheet, or bright specular anodized polished spun aluminum. Available distributions include Narrow Spot, Narrow Flood, Medium Flood, Wide Flood, Horizontal Spot, and Vertical Flood. All reflector modules feature toolless removal, quick disconnect wire connections, and are field interchangeable. Small housing (VFS) optics feature medium-base lampholders.

**D ... Knuckle**
Heavy-duty die-cast aluminum knuckle utilizes a taper-lock adjustment mechanism for both solid engagement and infinite aiming adjustment. Knuckle adjustment is made via one (1) captive stainless steel allen head fastener consistent with doorframe fasteners.

**D ... Knuckle (Cont'd.)**
Tested to sustain 3G of vibration without loosing aiming position. VFS knuckle features a 3/4" NPT nipple on bottom surface for rigid attachment to available mounting accessories. Optional slipfitter mount available for VFS.

**E ... Electrical Components**
High Power Factor (HPF) ballast components are strategically located and heat sunk to the housing for cooler operation and longer life. The VFS housing is rated for 40 degrees C (104 degrees F) ambient environments.

**F ... Finish**
Housing and arm finished in a 5 stage premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic. RAL and custom color matches available. Consult your INVUE Lighting Systems Representative for more information.



# VFS
# VISION FLOOD SMALL

**50-175W**
**Metal Halide**
**High Pressure Sodium**

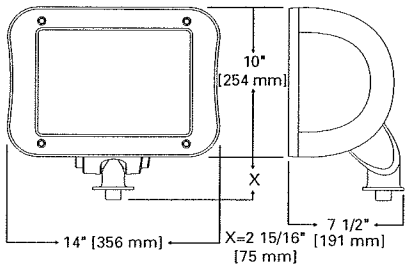
**ARCHITECTURAL FLOOD LUMINAIRE**

VISION series

Wattage Table

| | VFS |
|---|---|
| Metal Halide | 50, 70, 100, 175W |
| High Pressure Sodium | 50, 70, 100, 150W |

## DIMENSIONS

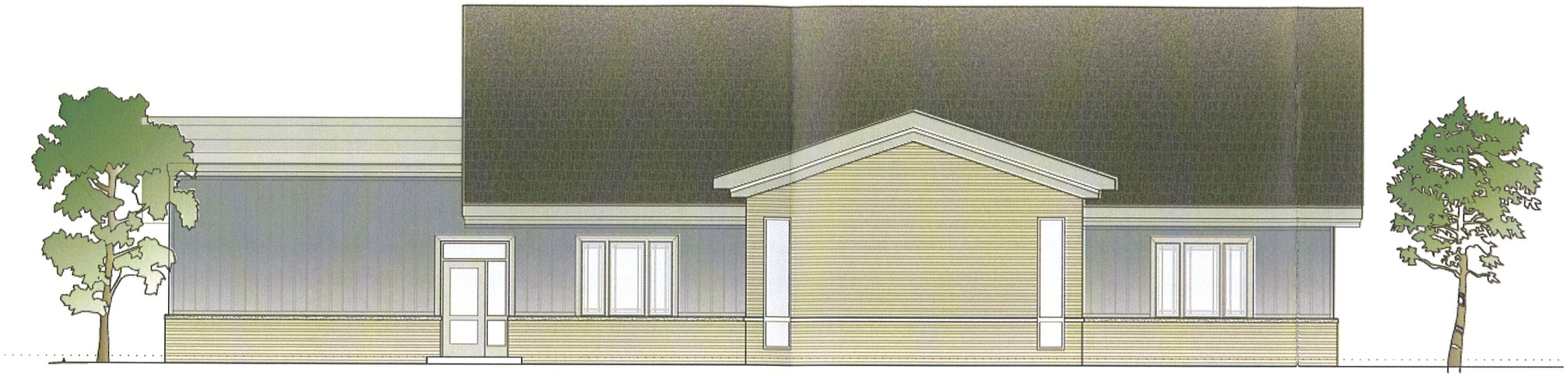



Certifications

| | | |
|---|---|---|
| IP65 Rated | U.L. 1598 Listed | 3G Vibration Tested |
| CSA Listed | 40°C Ambient | ISO 9001 |

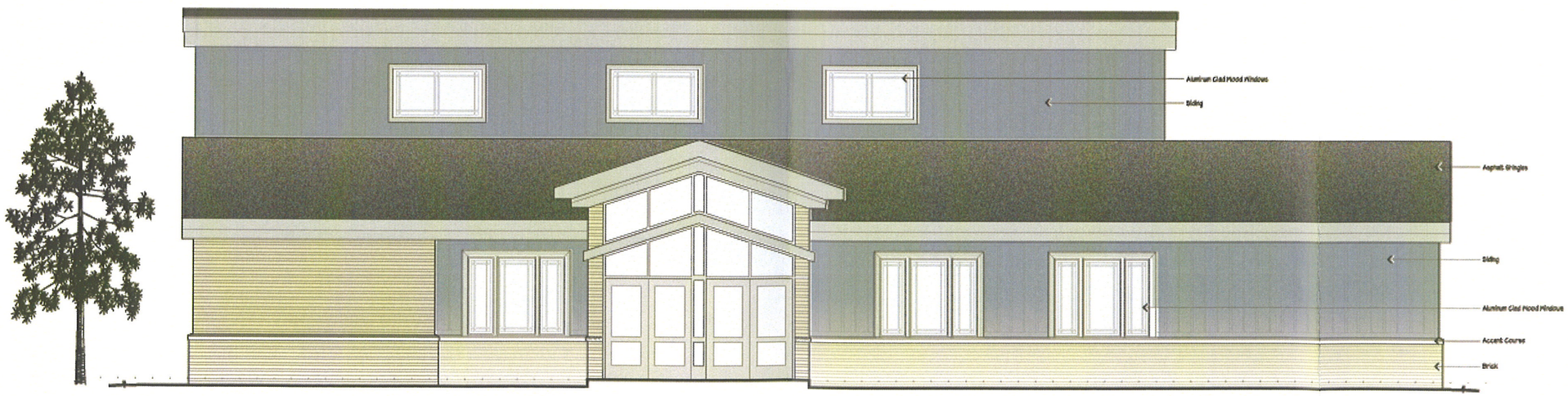
**EPA** (effected projected area)
1.19

**SHIPPING DATA** (approx.)
Net Weight (lbs.): 37



2 North Elevation

SCALE: 1/4"=1'-0"




1 South Elevation

SCALE: 1/4"=1'-0"

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New Joy

New Worship Facility:

# New Joy Lutheran Church

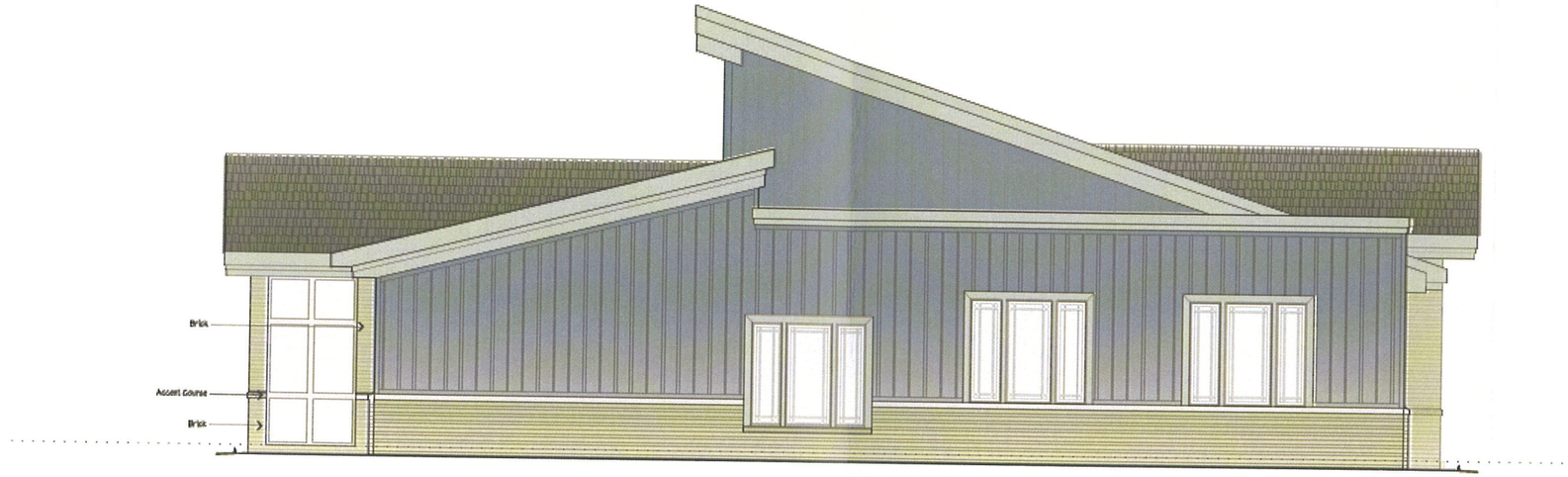
15651 Springmill Road, Westfield, IN 46074

Project No. 06142
Date. June 29, 2007
Drawn By.
Checked By.

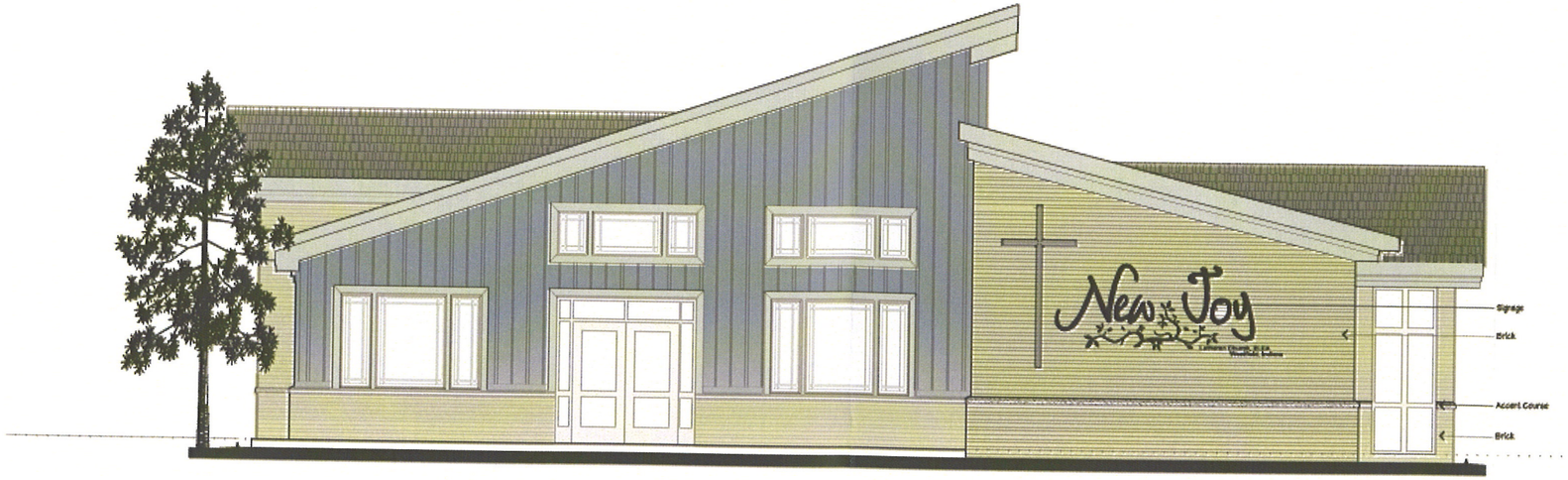
A301

Elevations

Design Development




2 East Elevation
SCALE: 1/4"=1'-0"




1 West Elevation
SCALE: 1/4"=1'-0"

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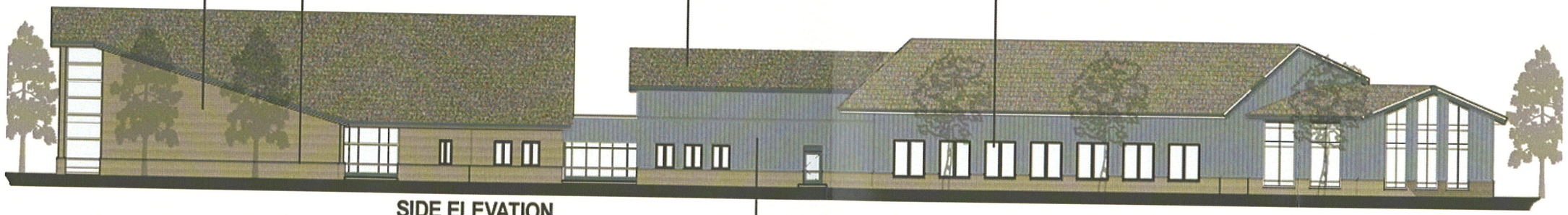
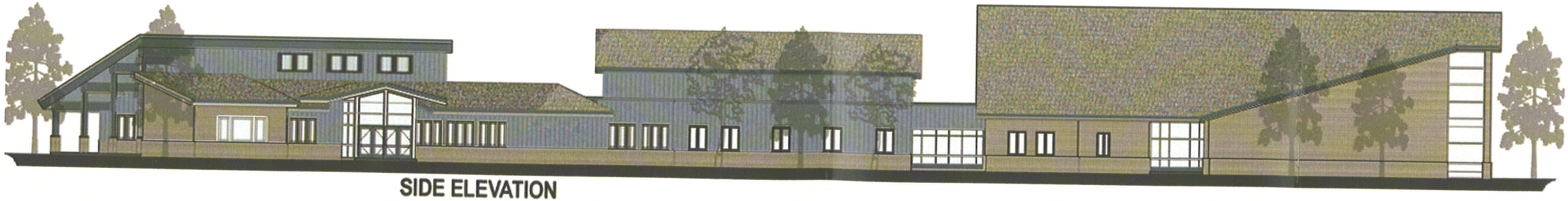
Project No. 06142
Date. June 29, 2007
Drawn By.
Checked By.

A302
Elevations
Design Development

FRONT ELEVATION




SIDE ELEVATION



SIDE ELEVATION

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A002
Building Master Elevations
Design Development