

BOYS & GIRLS CLUB OF MENASHA



Gries
Architectural Group Inc.

Specification

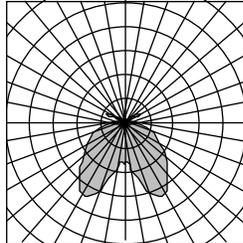
W766

All exposed cast aluminum components are made of non corrosive pure aluminum copper free (Aluminum is less than .1% copper content.#356 alloy.)
 The luminaire base assembly is built with a hinge mechanism, allowing to tilt the top part of the luminaire to access the electrical equipment. No tools required. The quick disconnect ballast assembly is installed on a removable tray. The lamp is accessible with a twist and lock action.
 The ease of maintenance and lamp replacement concept will leave the optical chamber free of finger prints and foreign particles,
 Finish: All polyester powder baked coatings preceded with a 5 baths preparation process. Meets military grade MIL-C781706 with a 2000 hours salt spray test.

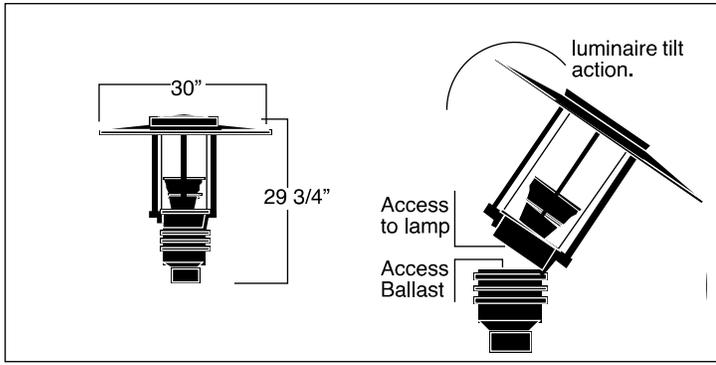
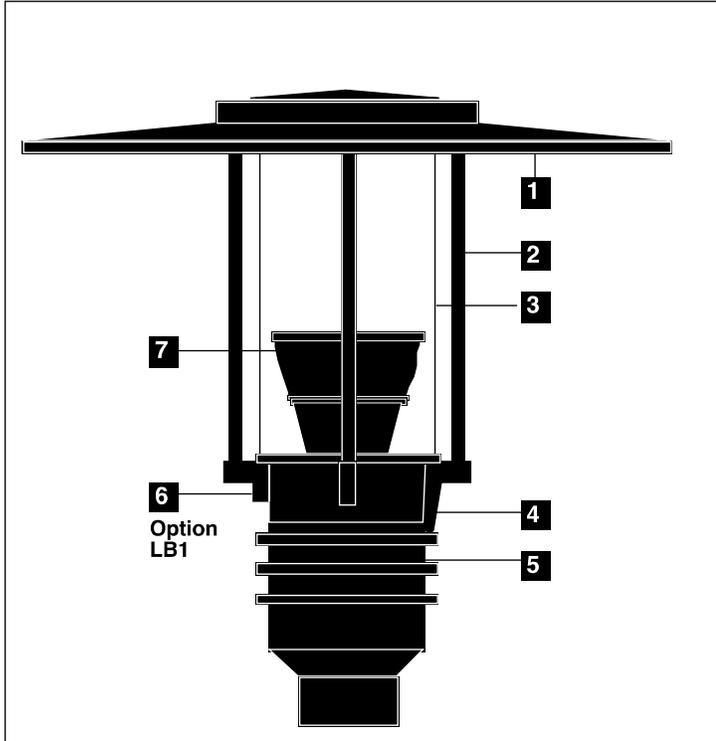
- Pulse rated medium base porcelain socket.
- One-piece molded silicone gasket with memory retention.
- High power factor CWA ballast.
- All stainless steel hardware.
- All Moving and removable parts are sealed with a memory retention silicone gasket.

- 1- Min. .093" hard aluminum shade, with underside white enamel to maximize light performance.
- 2- 1/2" dia. solid aluminum struts.
- 3- Clear U.V. protected high impact acrylic cylinder.
- 4- Cast Aluminum built-in hinge mechanism.
- 5- Cast Aluminum ballast housing with dissipation fins to maximize heat dissipation and cool operation of ballast.
- 6- Cast Aluminum swing out housing, with safety cable retainer. Push release button for quick access to electrical equipment. (No tools required for maintenance.) Button may be locked for limited access. (See option LB1)
- 7- Two piece reflector assembly with external housing same color as luminaire, and inner semi specular elliptical reflector designed to maximize light concentration uniformly over the shade reflective surface.

Photometry



Separate updated technical specification sheets with related models and light sources with I.E.S formatted photometry are available on www.luminis.com.



Certification

UL. Wet Location.

Mounting & E.P.A.

E.P.A: 1.05 sq./ft Max. weight: 40 lbs..
 Installation: Mounts over a 4" or 5" O.D. Pole.X 4"ø tenon.

For options details and specifications, please refer to pages 41.42.43

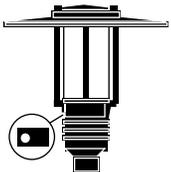
Model#	Mounting	Light source selection	Voltage	Finish	Options
<input checked="" type="checkbox"/> W766	Optional ACA1 ACW1 EC3P EC3W	MH (ED17) <input type="checkbox"/> M70 <input type="checkbox"/> M100 <input checked="" type="checkbox"/> M150 <input type="checkbox"/> M175 HPS (ED17) <input type="checkbox"/> H70 <input type="checkbox"/> H100 <input type="checkbox"/> H150 (Lamps by others)	MH (G12) T6 <input type="checkbox"/> M39T <input type="checkbox"/> M70T <input type="checkbox"/> M150T 120 V Standard factory prewired (If no voltage is specified) For other voltages, please specify with catalog number. H.I.D. <input type="checkbox"/> 208 V <input type="checkbox"/> 240 V <input checked="" type="checkbox"/> 277 V <input type="checkbox"/> 347 V <input type="checkbox"/> 480 V H.I.D. G12/T6 <input type="checkbox"/> 120 V <input type="checkbox"/> 277 V	(Refer to color chart) Standard selection <input type="checkbox"/> WHT: Snow white <input type="checkbox"/> BKT: Jet black <input checked="" type="checkbox"/> BZT: Bronze <input type="checkbox"/> GRT: Titanium gray <input type="checkbox"/> DGT: Gun metal <input type="checkbox"/> CHT: Champagne <input type="checkbox"/> MST: Matte silver <input type="checkbox"/> GNT: Forest green Optional colors <input type="checkbox"/> CS: Custom color <input type="checkbox"/> RAL: RAL# color	Accessories <input type="checkbox"/> LB1: Release button lock <input type="checkbox"/> LF1: Partially frosted cylinder over lower mid portion <input type="checkbox"/> STS30: Stainless steel shade. Electrical <input type="checkbox"/> FS: Fuse <input type="checkbox"/> PH1: 120/277V photo cell <input type="checkbox"/> PH2: 347V photo cell

MODIFICATION: ELECTRONIC BALLAST

Luminaires may be altered for design improvements or discontinued without prior notice.

Push Release button lock

Option: **LB1**



For restricted access.
Locked push button.
Requires 8-32 hexagonal
key to release.

General notes:
Please specify selected option as a
suffix to luminaire model number.
ex: W614-M100-WHT-LB1
Each model is provided with a
listing of compatible options. Some
options may not be compatible
when used in the same luminaire.
Please check listings.

Reflector disc

Option: **OS**

Aluminum oblong
reflector disc.
(Factory installed)
Applicable to
W632 & W640



House side shield

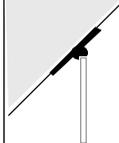
Option:
**H2 For post top
luminaires**
**H1 For bollard mount
luminaires.**



Exterior white
enamel, and specular
aluminum inner
reflective surface.
The shield is inserted
and snaps inside the
diffuser.
360° on site rotation.

Slope ceiling adaptor

Option: **SW45**



45° hang straight
ball swivel
for 5/8" dia.
suspension stem.

Suspension safety cable

Option: **STC**

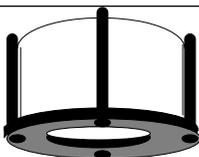
Additional safety
cable, extended
12" beyond
canopy



Adjustable down light (W780 series)

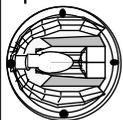
Option: **DL4**

50W / MR16 adjustable down light
Available with 120V power input. For other
voltages, please consult factory
Note: Other down light sources than shown with
option DL4 are available. Please consult factory.



Type III reflector

Option: **RF3 / RA3 / RL3 / PR3**



Type III Multifaceted
specular reflector.
(Single lamp only.)

Suspension stem

5/8" O.D. suspension stem.

STM60 60" lg.

STM80 80" lg.

For other factory cut to size length
add suffix **-STM** with desired
length to catalog# max.120"

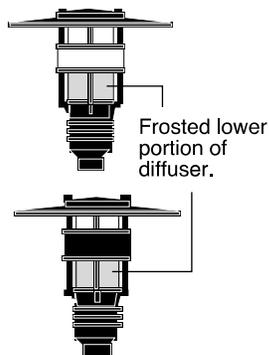


Light distribution control

-  Option: Type III light
distribution
refractor
R3
-  Option: Type IV light
distribution
refractor
R4

Semi frosted diffuser

Option: **LF1**



Type IV reflector

Option: **RF4 / RA4 / RL4**



Type IV
Forward throw
aluminum specular
reflector. (Single
lamp only.)

Lamps & ballast

compatibility

Compact Fluorescent

Lamp Watts	Lamp base
26W	G24Xq3
32W	G24Xq3
42W	G24Xq4
57W	G24Xq5
70W	G24Xq6
85W	2G8-1
120W	2G8-1

Metal halide

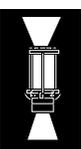
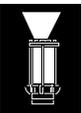
Lamp Watts	Lamp base	ANSI Code
39W	T6/G12	M130
50W	ED17	M110/M148
70W	ED17	M198/M143
70W	T6/G12	M139
100W	ED17	M90/M140
150W	ED17	M102/M142
150W	T6/G12	M142
175W	ED17	M57

Wall mount light options

Option: **DL1**
DL1-277
12V/50W MR16
Down light with integral
120/12V or 277/12V
electronic transformer.
other input voltages on
request.

Option: **DL2**
Open sealed
top cover
allowing up-
lighting

Option: **DLC**
DL1 / DL2
Combination.



Emergency battery pack

For 57w & 70w: Consult factory

EM42

One lamp:
26w: 450 Lmns..
32w: 575 Lmns.
42w: 750 Lmns.
Time: 90 Mnts -120/277V T 0° C

**Please refer to page 72 for
more details**

Fuse

Option



FS
Ballast protection fuse
Available with H.I.D.
luminaires only

Note: FS option fuse is factory
calibrated and installed with
selected wattage.

Post mount luminaires:
FS installed with pole.

All other types:
FS is installed with luminaire.

Light photo sensor

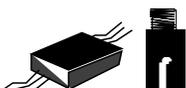
Option: **PH1** -120V
PH2 - 277 / 347V

Photo electric sensor,
factory installed with the pole
or inside fixture when pole is
not required.



Quartz lamp restrike

Option: **QRS**



Quartz restrike standby lamp kit.
When power failure is restored, it will
energize temporary Quartz lamp with
progressive dimming until full H.I.D
light output is produced.
max.100w DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Quartz lamp restrike

Option: **QS**



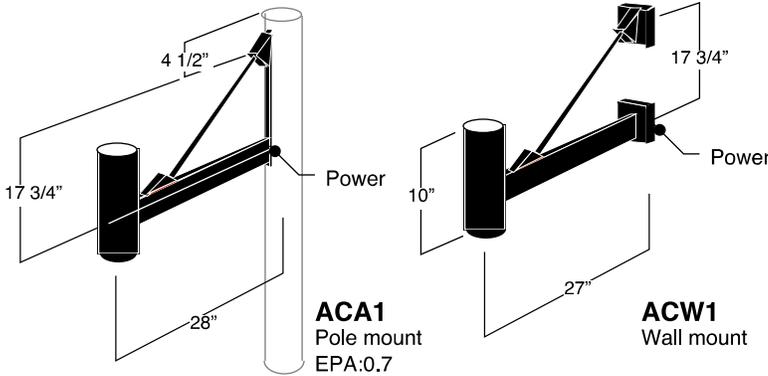
Quartz lamp socket for external 120V
emergency power input.
Separate 120V dedicated wiring is included.
max.100 W DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Luminaires may be altered for design improvements or discontinued without prior notice.

LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5

Tel: 954 .717 .4155 Fax: 954 . 717.4157
Toll free: 888 .401 .6999

Web: www.luminis.com
Sept. 2006 Rev. Feb.2007

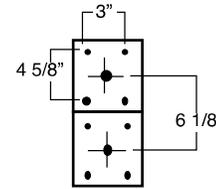
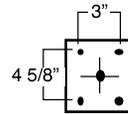


ACA1
Pole mount
EPA:0.7

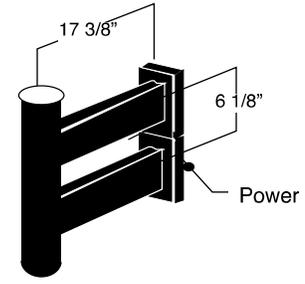
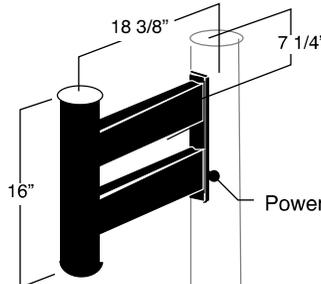
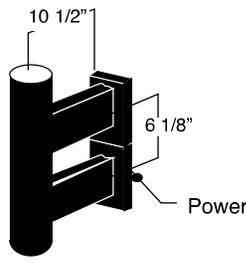
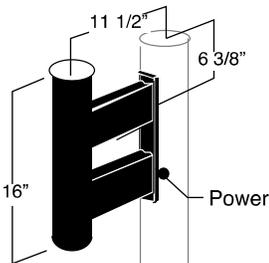
ACW1
Wall mount

ACW1 series
Mounting

EC3W
EC3WS
series
Mounting



ACA1/ ACW1 -1" x 3" extruded aluminum side pole or wall mounting adaptor. 1/2" dia. stainless steel rod support. 10" x 4" o.dia. aluminum tenon.



EC3PS -1" x 3" extruded aluminum twin short arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. This option is applicable only to catalog numbers with the suffix **LS** EPA:0.72

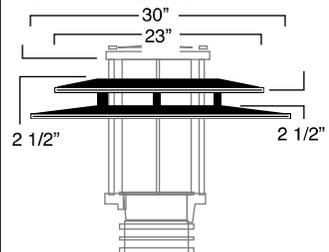
EC3WS -1" x 3" extruded aluminum twin short arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates. This option is applicable only to catalog numbers with the suffix **LS**

EC3P -1" x 3" extruded aluminum twin extended arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. EPA:0.97

EC3W -1" x 3" extruded aluminum twin extended arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates.

Please specify selected option with a suffix to the specified model number.
Ex: W624LS-EC3WS-EC5 M100-WHT

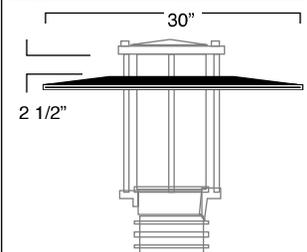
23/30" dia. aluminum double adjustable dropped shade



Set of two .093" thick hard aluminum shades factory prefixed. The underside is standard white enamel to optimize lighting performance. The set of shades can slide along the diffuser to accommodate various landscape viewing angles. Note: The distance between the two shades is fixed.

Option: **EC6** EPA:0.44
Compatible with:
ACA1 EC3P
ACW1 EC3W

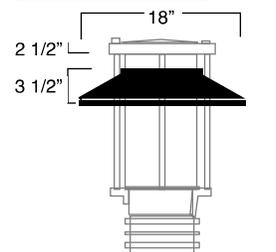
30" dia. aluminum single adjustable dropped shade



.093" thick hard aluminum factory prefixed dropped shade. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC7** EPA:0.25
Compatible with:
ACA1 EC3P
ACW1 EC3W

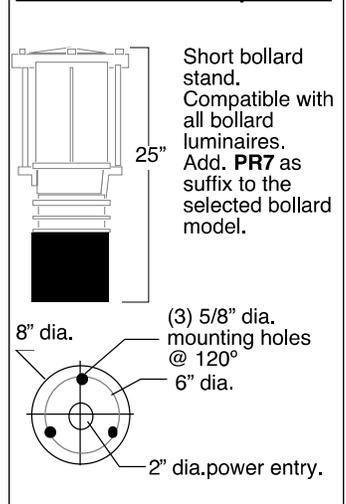
18" dia. cast aluminum adjustable shade



3/16" thick cast aluminum shade for applications where heavy traffic requires indestructible materials. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

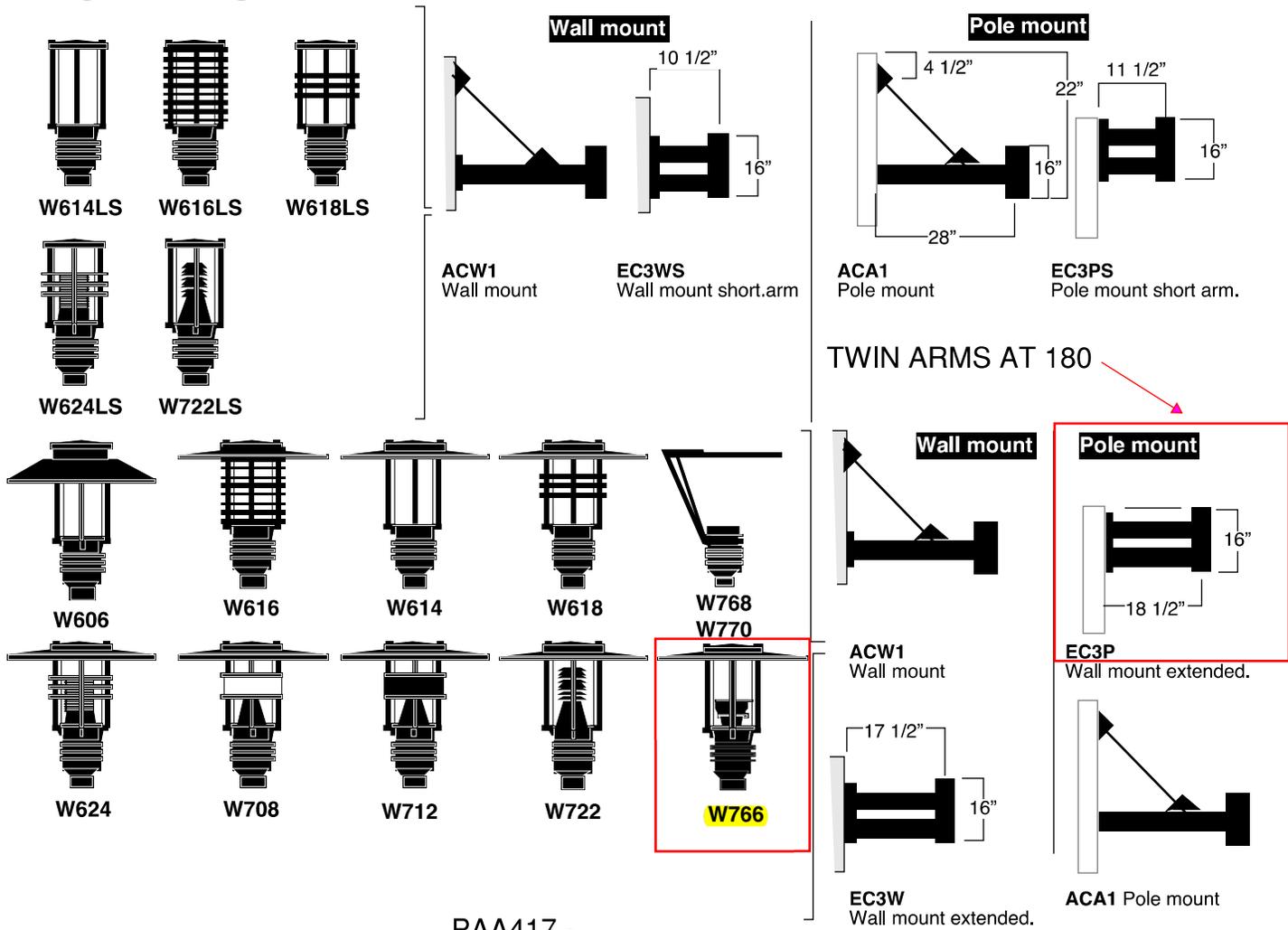
Option: **EC5** EPA:0.26
Compatible with:
ACA1 EC3P EC3PS
ACW1 EC3W EC3WS

Pier or short wall top mount



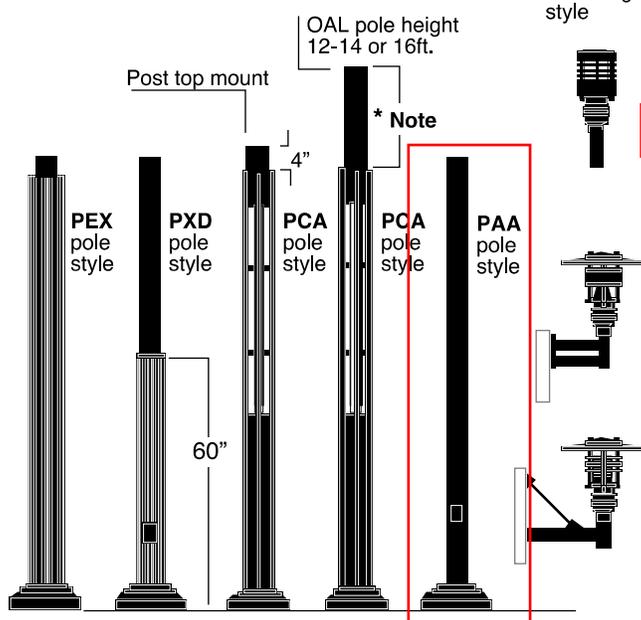
Option: **PR7**
Compatible with:
W788 TO W791 Bollard series.

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PAA417 - 17' POLE

* Note:
36" extension with ACA attachment
24" extension with EC3P attachment



Compatible poles listing.

Mounting style	4"O.D.	5"O.D.	4"O.D.	4"O.D.	4"O.D.	Pole height
Post top mounting						
PAA410	PAA510-A	PCA10	PEX10	PXD10		10 ft
PAA412	PAA512-A	PCA12	PEX12	PXD12		12 ft
PAA414	PAA514-A	PCA14	PEX14	PXD14		14 ft
PAA416	PAA516-A	PCA16	PEX16	PXD16		16 ft
PAA418	PAA518-A		PEX18	PXD18		18 ft
PAA420	PAA520-A		PEX20	PXD20		20 ft
Post side mount with EC3P attachment accessory						
PAA410-C3P	PAA510-C3P					10 ft
PAA412-C3P	PAA512-C3P	PCA12-C3P	PEX12-C3P	PXD12-C3P		12 ft
PAA414-C3P	PAA514-C3P	PCA14-C3P	PEX14-C3P	PXD14-C3P		14 ft
PAA416-C3P	PAA516-C3P	PCA16-C3P	PEX16-C3P	PXD16-C3P		16 ft
PAA418-C3P	PAA518-C3P		PEX18-C3P	PXD18-C3P		18 ft
PAA420-C3P	PAA520-C3P					20 ft
Post side mount with ACA1 attachment accessory						
PAA414-ACA	PAA514-ACA	PCA14-ACA	PXD14-ACA			14 ft
PAA416-ACA	PAA516-ACA	PCA16-ACA	PXD16-ACA			16 ft
PAA418-ACA	PAA518-ACA		PXD18-ACA			18 ft
PAA420-ACA	PAA520-ACA		PXD20-ACA			20 ft

For poles details and specification, please refer to pages 140 to 144

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Specification

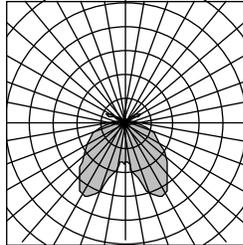
W766

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 The ease of maintenance and lamp replacement concept will leave the optical chamber free of finger prints and foreign particles,
 Finish: All polyester powder baked coatings preceded with a 5 baths preparation process. Meets military grade MIL-C781706 with a 2000 hours salt spray test.

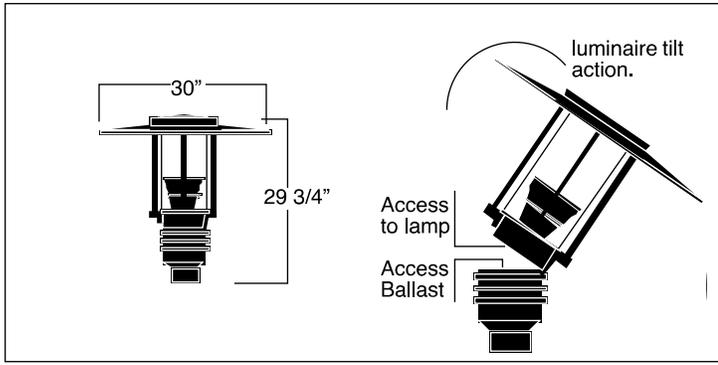
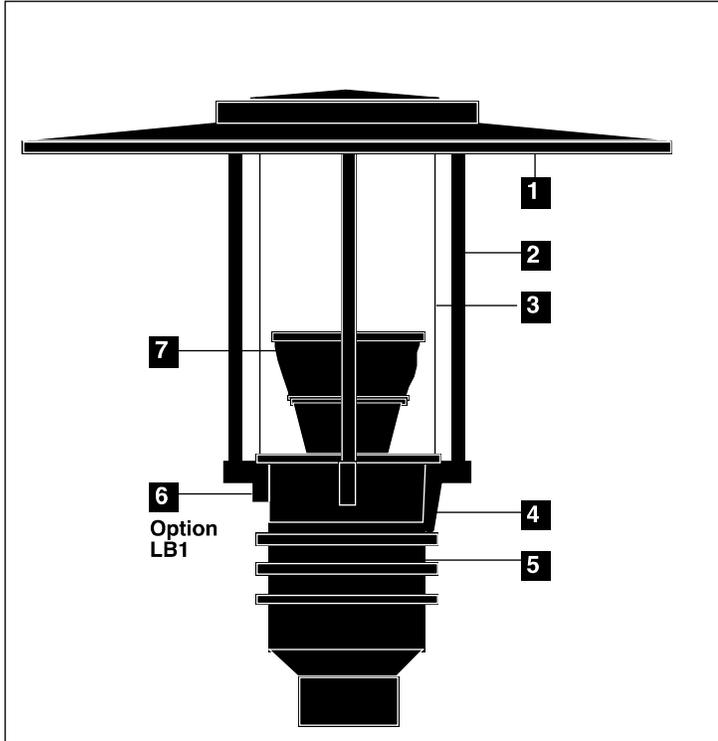
- Pulse rated medium base porcelain socket.
- One-piece molded silicone gasket with memory retention.
- High power factor CWA ballast.
- All stainless steel hardware.
- All Moving and removable parts are sealed with a memory retention silicone gasket.

- 1- Min. .093" hard aluminum shade, with underside white enamel to maximize light performance.
- 2- 1/2" dia. solid aluminum struts.
- 3- Clear U.V. protected high impact acrylic cylinder.
- 4- Cast Aluminum built-in hinge mechanism.
- 5- Cast Aluminum ballast housing with dissipation fins to maximize heat dissipation and cool operation of ballast.
- 6- Cast Aluminum swing out housing, with safety cable retainer. Push release button for quick access to electrical equipment. (No tools required for maintenance.) Button may be locked for limited access. (See option LB1)
- 7- Two piece reflector assembly with external housing same color as luminaire, and inner semi specular elliptical reflector designed to maximize light concentration uniformly over the shade reflective surface.

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Certification

UL. Wet Location.

Mounting & E.P.A.

E.P.A: 1.05 sq./ft Max. weight: 40 lbs..
 Installation: Mounts over a 4" or 5" O.D. Pole.X 4"ø tenon.

For options details and specifications, please refer to pages 41.42.43

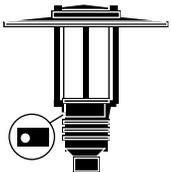
Model#	Mounting	Light source selection	Voltage	Finish	Options	
<input checked="" type="checkbox"/> W766	Optional ACA1 ACW1 EC3P EC3W	MH (ED17) <input type="checkbox"/> M70 <input type="checkbox"/> M100 <input checked="" type="checkbox"/> M150 <input type="checkbox"/> M175 HPS (ED17) <input type="checkbox"/> H70 <input type="checkbox"/> H100 <input type="checkbox"/> H150 (Lamps by others)	MH (G12) T6 <input type="checkbox"/> M39T <input type="checkbox"/> M70T <input type="checkbox"/> M150T H.I.D. <input type="checkbox"/> 208 V <input type="checkbox"/> 240 V <input checked="" type="checkbox"/> 277 V <input type="checkbox"/> 347 V <input type="checkbox"/> 480 V	120 V Standard factory prewired (If no voltage is specified) For other voltages, please specify with catalog number. H.I.D. G12/T6 <input type="checkbox"/> 120 V <input type="checkbox"/> 277 V	(Refer to color chart) <u>Standard selection</u> <input type="checkbox"/> WHT: Snow white <input type="checkbox"/> BKT: Jet black <input checked="" type="checkbox"/> BZT: Bronze <input type="checkbox"/> GRT: Titanium gray <input type="checkbox"/> DGT: Gun metal <input type="checkbox"/> CHT: Champagne <input type="checkbox"/> MST: Matte silver <input type="checkbox"/> GNT: Forest green <u>Optional colors</u> <input type="checkbox"/> CS: Custom color <input type="checkbox"/> RAL: RAL# color	Accessories <input type="checkbox"/> LB1: Release button lock <input type="checkbox"/> LF1: Partially frosted cylinder over lower mid portion <input type="checkbox"/> STS30: Stainless steel shade. Electrical <input type="checkbox"/> FS: Fuse <input type="checkbox"/> PH1: 120/277V photo cell <input type="checkbox"/> PH2: 347V photo cell

MODIFICATION: ELECTRONIC BALLAST

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Push Release button lock

Option: **LB1**



For restricted access.
Locked push button.
Requires 8-32 hexagonal
key to release.

General notes:
Please specify selected option as a
suffix to luminaire model number.
ex: W614-M100-WHT-LB1
Each model is provided with a
listing of compatible options. Some
options may not be compatible
when used in the same luminaire.
Please check listings.

Reflector disc

Option: **OS**

Aluminum oblong
reflector disc.
(Factory installed)
Applicable to
W632 & W640



House side shield

Option:
**H2 For post top
luminaires**
**H1 For bollard mount
luminaires.**



Exterior white
enamel, and specular
aluminum inner
reflective surface.
The shield is inserted
and snaps inside the
diffuser.
360° on site rotation.

Slope ceiling adaptor

Option: **SW45**



45° hang straight
ball swivel
for 5/8" dia.
suspension stem.

Suspension safety cable

Option: **STC**

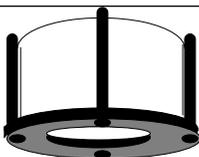
Additional safety
cable, extended
12" beyond
canopy



Adjustable down light (W780 series)

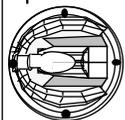
Option: **DL4**

50W / MR16 adjustable down light
Available with 120V power input. For other
voltages, please consult factory
Note: Other down light sources than shown with
option DL4 are available. Please consult factory.



Type III reflector

Option: **RF3 / RA3 / RL3 / PR3**



Type III Multifaceted
specular reflector.
(Single lamp only.)

Suspension stem

5/8" O.D. suspension stem.

STM60 60" lg.

STM80 80" lg.

For other factory cut to size length
add suffix **-STM** with desired
length to catalog# max.120"

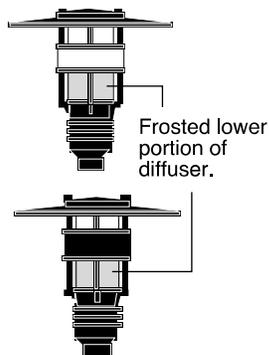


Light distribution control

-  Option: Type III light
distribution
refractor
R3
-  Option: Type IV light
distribution
refractor
R4

Semi frosted diffuser

Option: **LF1**



Frosted lower
portion of
diffuser.

Type IV reflector

Option: **RF4 / RA4 / RL4**



Type IV
Forward throw
aluminum specular
reflector. (Single
lamp only.)

Lamps & ballast compatibility

Compact Fluorescent

Lamp Watts	Lamp base
26W	G24Xq3
32W	G24Xq3
42W	G24Xq4
57W	G24Xq5
70W	G24Xq6
85W	2G8-1
120W	2G8-1

Metal halide

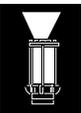
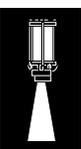
Lamp Watts	Lamp base	ANSI Code
39W	T6/G12	M130
50W	ED17	M110/M148
70W	ED17	M198/M143
70W	T6/G12	M139
100W	ED17	M90/M140
150W	ED17	M102/M142
150W	T6/G12	M142
175W	ED17	M57

Wall mount light options

Option: **DL1**
DL1-277
12V/50W MR16
Down light with integral
120/12V or 277/12V
electronic transformer.
other input voltages on
request.

Option: **DL2**
Open sealed
top cover
allowing up-
lighting

Option: **DLC**
DL1 / DL2
Combination.



Emergency battery pack

For 57w & 70w: Consult factory

EM42

One lamp:
26w: 450 Lmns..
32w: 575 Lmns.
42w: 750 Lmns.
Time: 90 Mnts -120/277V T 0° C

**Please refer to page 72 for
more details**

Fuse

Option



FS
Ballast protection fuse
Available with H.I.D.
luminaires only

Note: FS option fuse is factory
calibrated and installed with
selected wattage.

Post mount luminaires:
FS installed with pole.

All other types:
FS is installed with luminaire.

Light photo sensor

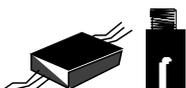
Option: **PH1** -120V
PH2 - 277 / 347V

Photo electric sensor,
factory installed with the pole
or inside fixture when pole is
not required.



Quartz lamp restrike

Option: **QRS**



Quartz restrike standby lamp kit.
When power failure is restored, it will
energize temporary Quartz lamp with
progressive dimming until full H.I.D
light output is produced.
max.100w DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Quartz lamp restrike

Option: **QS**



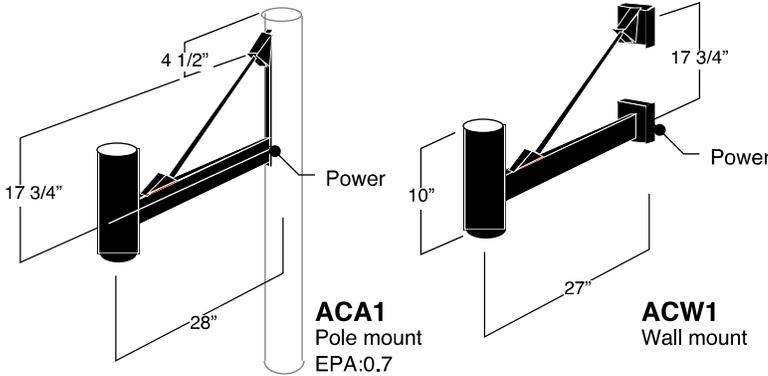
Quartz lamp socket for external 120V
emergency power input.
Separate 120V dedicated wiring is included.
max.100 W DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Luminaires may be altered for design improvements or discontinued without prior notice.

LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5

Tel: 954 .717 .4155 Fax: 954 . 717.4157
Toll free: 888 .401 .6999

Web: www.luminis.com
Sept. 2006 Rev. Feb.2007

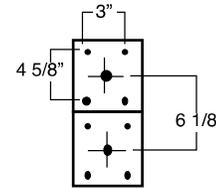
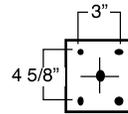


ACA1
Pole mount
EPA:0.7

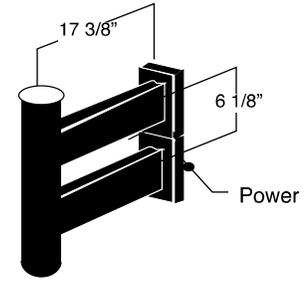
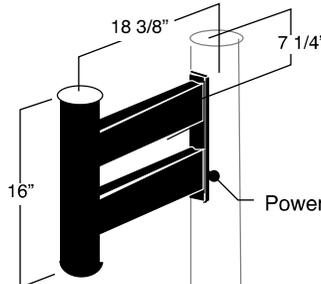
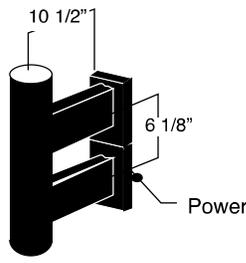
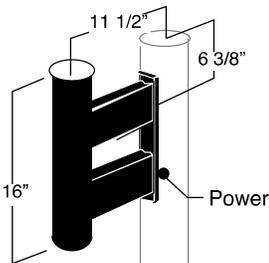
ACW1
Wall mount

ACW1 series
Mounting

EC3W
EC3WS
series
Mounting



ACA1/ ACW1 -1" x 3" extruded aluminum side pole or wall mounting adaptor. 1/2" dia. stainless steel rod support. 10" x 4" o.dia. aluminum tenon.



EC3PS -1" x 3" extruded aluminum twin short arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. This option is applicable only to catalog numbers with the suffix **LS** EPA:0.72

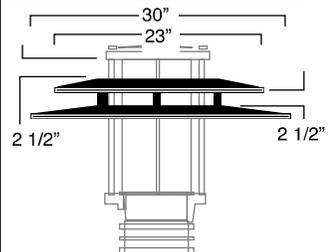
EC3WS -1" x 3" extruded aluminum twin short arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates. This option is applicable only to catalog numbers with the suffix **LS**

EC3P -1" x 3" extruded aluminum twin extended arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. EPA:0.97

EC3W -1" x 3" extruded aluminum twin extended arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates.

Please specify selected option with a suffix to the specified model number.
Ex: W624LS-**EC3WS-EC5** M100-WHT

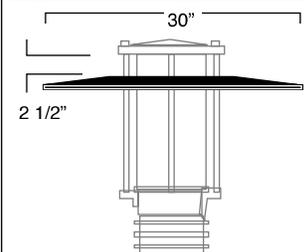
23/30" dia. aluminum double adjustable dropped shade



Set of two .093" thick hard aluminum shades factory prefixed. The underside is standard white enamel to optimize lighting performance. The set of shades can slide along the diffuser to accommodate various landscape viewing angles. Note: The distance between the two shades is fixed.

Option: **EC6** EPA:0.44
Compatible with:
ACA1 EC3P
ACW1 EC3W

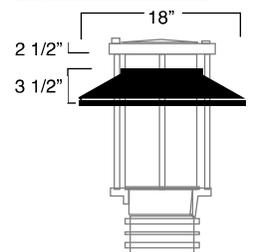
30" dia. aluminum single adjustable dropped shade



.093" thick hard aluminum factory prefixed dropped shade. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC7** EPA:0.25
Compatible with:
ACA1 EC3P
ACW1 EC3W

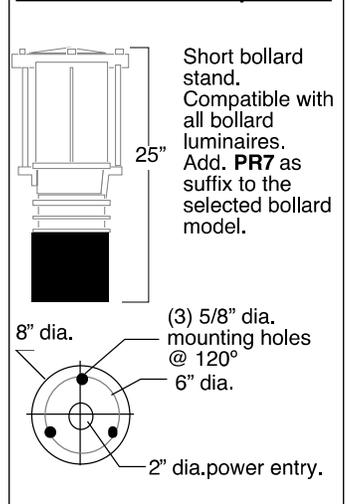
18" dia. cast aluminum adjustable shade



3/16" thick cast aluminum shade for applications where heavy traffic requires indestructible materials. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

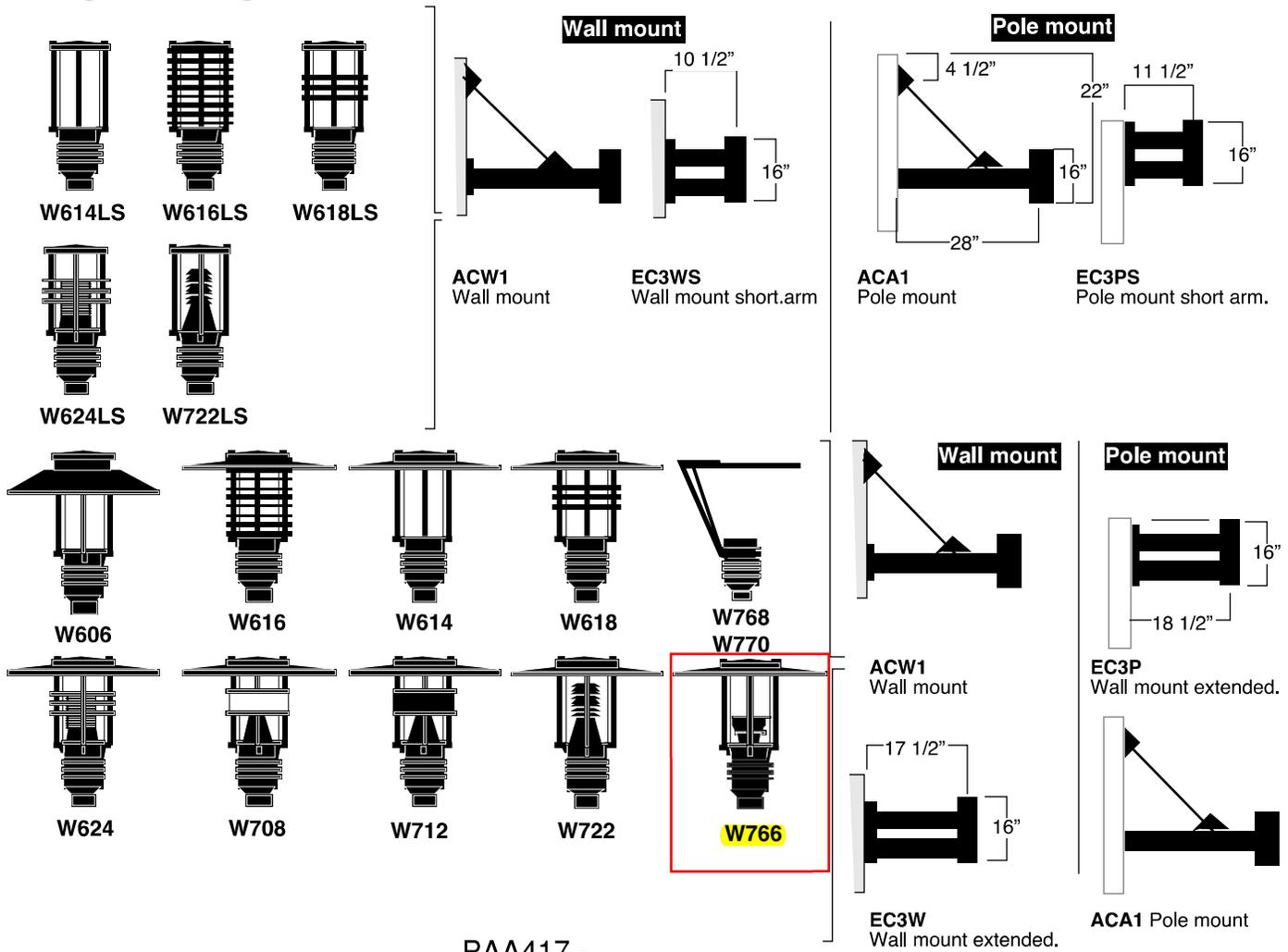
Option: **EC5** EPA:0.26
Compatible with:
ACA1 EC3P EC3PS
ACW1 EC3W EC3WS

Pier or short wall top mount



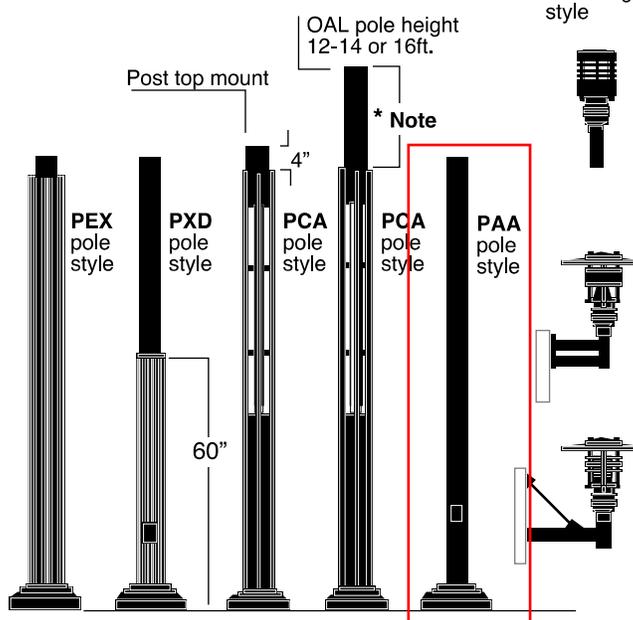
Option: **PR7**
Compatible with:
W788 TO W791 Bollard series.

Luminaires may be altered for design improvements or discontinued without prior notice.



PAA417 - 17' POLE

* Note:
36" extension with ACA attachment
24" extension with EC3P attachment



Compatible poles listing.

Mounting style	Post top mounting					Pole height
	4"O.D.	5"O.D.	4"O.D.	4"O.D.	4"O.D.	
	PAA410	PAA510-A	PCA10	PEX10	PXD10	10 ft
	PAA412	PAA512-A	PCA12	PEX12	PXD12	12 ft
	PAA414	PAA514-A	PCA14	PEX14	PXD14	14 ft
	PAA416	PAA516-A	PCA16	PEX16	PXD16	16 ft
	PAA418	PAA518-A		PEX18	PXD18	18 ft
	PAA420	PAA520-A		PEX20	PXD20	20 ft
	Post side mount with EC3P attachment accessory					
	PAA410-C3P	PAA510-C3P				10 ft
	PAA412-C3P	PAA512-C3P	PCA12-C3P	PEX12-C3P	PXD12-C3P	12 ft
	PAA414-C3P	PAA514-C3P	PCA14-C3P	PEX14-C3P	PXD14-C3P	14 ft
	PAA416-C3P	PAA516-C3P	PCA16-C3P	PEX16-C3P	PXD16-C3P	16 ft
	PAA418-C3P	PAA518-C3P		PEX18-C3P	PXD18-C3P	18 ft
	PAA420-C3P	PAA520-C3P				20 ft
	Post side mount with ACA1 attachment accessory					
	PAA414-ACA	PAA514-ACA	PCA14-ACA	PXD14-ACA		14 ft
	PAA416-ACA	PAA516-ACA	PCA16-ACA	PXD16-ACA		16 ft
	PAA418-ACA	PAA518-ACA		PXD18-ACA		18 ft
	PAA420-ACA	PAA520-ACA		PXD20-ACA		20 ft

For poles details and specification, please refer to pages 140 to 144

Luminaires may be altered for design improvements or discontinued without prior notice.

Specification

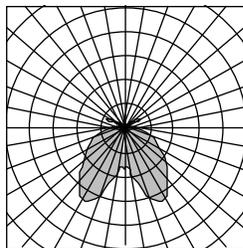
W766

All exposed cast aluminum components are made of non corrosive pure aluminum copper free (Aluminum is less than .1% copper content.#356 alloy.)
 The luminaire base assembly is built with a hinge mechanism, allowing to tilt the top part of the luminaire to access the electrical equipment. No tools required. The quick disconnect ballast assembly is installed on a removable tray. The lamp is accessible with a twist and lock action.
 The ease of maintenance and lamp replacement concept will leave the optical chamber free of finger prints and foreign particles,
 Finish: All polyester powder baked coatings preceded with a 5 baths preparation process. Meets military grade MIL-C781706 with a 2000 hours salt spray test.

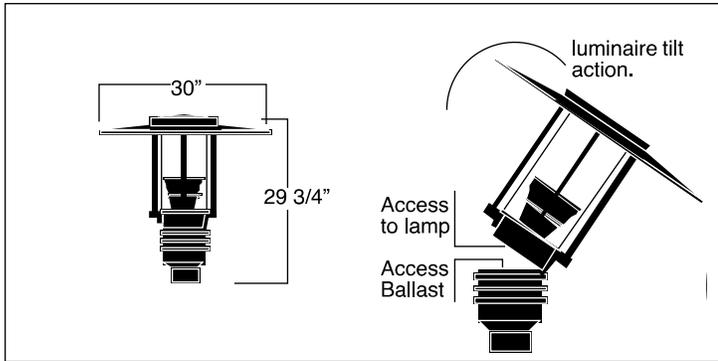
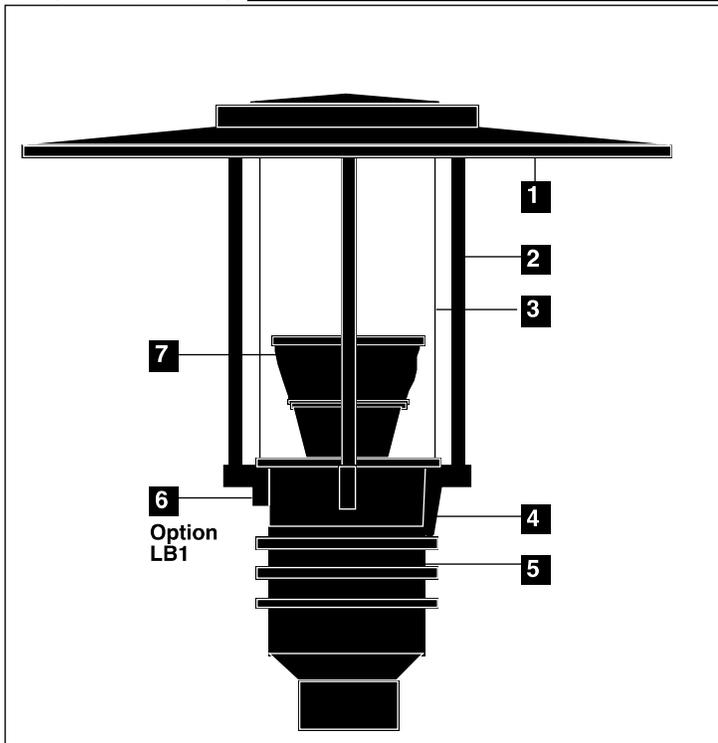
- Pulse rated medium base porcelain socket.
- One-piece molded silicone gasket with memory retention.
- High power factor CWA ballast.
- All stainless steel hardware.
- All Moving and removable parts are sealed with a memory retention silicone gasket.

- 1- Min. .093" hard aluminum shade, with underside white enamel to maximize light performance.
- 2- 1/2" dia. solid aluminum struts.
- 3- Clear U.V. protected high impact acrylic cylinder.
- 4- Cast Aluminum built-in hinge mechanism.
- 5- Cast Aluminum ballast housing with dissipation fins to maximize heat dissipation and cool operation of ballast.
- 6- Cast Aluminum swing out housing, with safety cable retainer. Push release button for quick access to electrical equipment. (No tools required for maintenance.) Button may be locked for limited access. (See option LB1)
- 7- Two piece reflector assembly with external housing same color as luminaire, and inner semi specular elliptical reflector designed to maximize light concentration uniformly over the shade reflective surface.

Photometry



Separate updated technical specification sheets with related models and light sources with I.E.S formatted photometry are available on www.luminis.com.



Certification

UL. Wet Location.

Mounting & E.P.A.

E.P.A: 1.05 sq./ft Max. weight: 40 lbs..
 Installation: Mounts over a 4" or 5" O.D. Pole.X 4"ø tenon.

For options details and specifications, please refer to pages 41.42.43

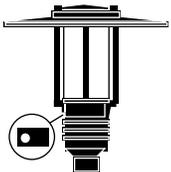
Model#	Mounting	Light source selection	Voltage	Finish	Options
<input checked="" type="checkbox"/> W766	<p>Optional</p> <p>ACA1 ACW1 EC3P EC3W</p>	<p>MH (ED17)</p> <p><input type="checkbox"/> M70 <input checked="" type="checkbox"/> M100 <input type="checkbox"/> M150 <input type="checkbox"/> M175</p> <p>HPS (ED17)</p> <p><input type="checkbox"/> H70 <input type="checkbox"/> H100 <input type="checkbox"/> H150</p> <p>Best results with H.I.D. Clear lamps (Lamps by others)</p>	<p>MH (G12) T6</p> <p><input type="checkbox"/> M39T <input type="checkbox"/> M70T <input type="checkbox"/> M150T</p> <p>120 V Standard factory prewired (If no voltage is specified) For other voltages, please specify with catalog number.</p> <p>H.I.D.</p> <p><input type="checkbox"/> 208 V <input type="checkbox"/> 240 V <input checked="" type="checkbox"/> 277 V <input type="checkbox"/> 347 V <input type="checkbox"/> 480 V</p> <p>H.I.D. G12/T6</p> <p><input type="checkbox"/> 120 V <input type="checkbox"/> 277 V</p>	<p>(Refer to color chart)</p> <p>Standard selection</p> <p><input type="checkbox"/> WHT: Snow white <input type="checkbox"/> BKT: Jet black <input checked="" type="checkbox"/> BZT: Bronze <input type="checkbox"/> GRT: Titanium gray <input type="checkbox"/> DGT: Gun metal <input type="checkbox"/> CHT: Champagne <input type="checkbox"/> MST: Matte silver <input type="checkbox"/> GNT: Forest green</p> <p>Optional colors</p> <p><input type="checkbox"/> CS: Custom color <input type="checkbox"/> RAL: RAL# color</p>	<p>Accessories</p> <p><input type="checkbox"/> LB1: Release button lock <input type="checkbox"/> LF1: Partially frosted cylinder over lower mid portion <input type="checkbox"/> STS30: Stainless steel shade.</p> <p>Electrical</p> <p><input type="checkbox"/> FS: Fuse <input type="checkbox"/> PH1: 120/277V photo cell <input type="checkbox"/> PH2: 347V photo cell</p>

MODIFICATION: ELECTRONIC BALLAST

Luminaires may be altered for design improvements or discontinued without prior notice.

Push Release button lock

Option: **LB1**



For restricted access.
Locked push button.
Requires 8-32 hexagonal
key to release.

General notes:
Please specify selected option as a
suffix to luminaire model number.
ex: W614-M100-WHT-LB1
Each model is provided with a
listing of compatible options. Some
options may not be compatible
when used in the same luminaire.
Please check listings.

Reflector disc

Option: **OS**

Aluminum oblong
reflector disc.
(Factory installed)
Applicable to
W632 & W640



House side shield

Option:

**H2 For post top
luminaires**
**H1 For bollard mount
luminaires.**



Exterior white
enamel, and specular
aluminum inner
reflective surface.
The shield is inserted
and snaps inside the
diffuser.
360° on site rotation.

Slope ceiling adaptor

Option: **SW45**

45° hang straight
ball swivel
for 5/8" dia.
suspension stem.



Suspension safety cable

Option: **STC**

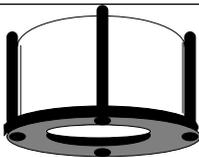
Additional safety
cable, extended
12" beyond
canopy



Adjustable down light (W780 series)

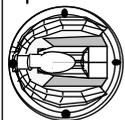
Option: **DL4**

50W / MR16 adjustable down light
Available with 120V power input. For other
voltages, please consult factory
Note: Other down light sources than shown with
option DL4 are available. Please consult factory.



Type III reflector

Option: **RF3 / RA3 / RL3 / PR3**



Type III Multifaceted
specular reflector.
(Single lamp only.)

Suspension stem

5/8" O.D. suspension stem.

STM60 60" lg.

STM80 80" lg.

For other factory cut to size length
add suffix **-STM** with desired
length to catalog# max.120"

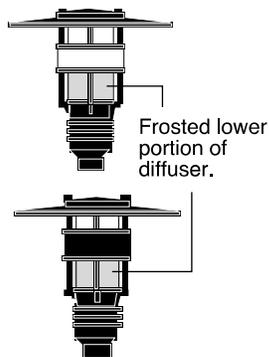


Light distribution control

-  Option: Type III light
distribution
refractor
R3
-  Option: Type IV light
distribution
refractor
R4

Semi frosted diffuser

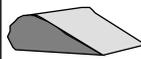
Option: **LF1**



Frosted lower
portion of
diffuser.

Type IV reflector

Option: **RF4 / RA4 / RL4**



Type IV
Forward throw
aluminum specular
reflector. (Single
lamp only.)

Lamps & ballast compatibility

Compact Fluorescent

Lamp Watts	Lamp base
26W	G24Xq3
32W	G24Xq3
42W	G24Xq4
57W	G24Xq5
70W	G24Xq6
85W	2G8-1
120W	2G8-1

Metal halide

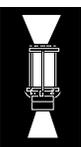
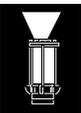
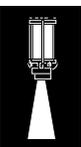
Lamp Watts	Lamp base	ANSI Code
39W	T6/G12	M130
50W	ED17	M110/M148
70W	ED17	M198/M143
70W	T6/G12	M139
100W	ED17	M90/M140
150W	ED17	M102/M142
150W	T6/G12	M142
175W	ED17	M57

Wall mount light options

Option: **DL1**
DL1-277
12V/50W MR16
Down light with integral
120/12V or 277/12V
electronic transformer.
other input voltages on
request.

Option: **DL2**
Open sealed
top cover
allowing up-
lighting

Option: **DLC**
DL1 / DL2
Combination.



Emergency battery pack

For 57w & 70w: Consult factory

EM42

One lamp:
26w: 450 Lmns..
32w: 575 Lmns.
42w: 750 Lmns.
Time: 90 Mnts -120/277V T 0° C

**Please refer to page 72 for
more details**

Fuse

Option



FS
Ballast protection fuse
Available with H.I.D.
luminaires only

Note: FS option fuse is factory
calibrated and installed with
selected wattage.

Post mount luminaires:
FS installed with pole.

All other types:
FS is installed with luminaire.

Light photo sensor

Option: **PH1** -120V
PH2 - 277 / 347V

Photo electric sensor,
factory installed with the pole
or inside fixture when pole is
not required.



Quartz lamp restrike

Option: **QRS**



Quartz restrike standby lamp kit.
When power failure is restored, it will
energize temporary Quartz lamp with
progressive dimming until full H.I.D
light output is produced.
max.100w DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Quartz lamp restrike

Option: **QS**



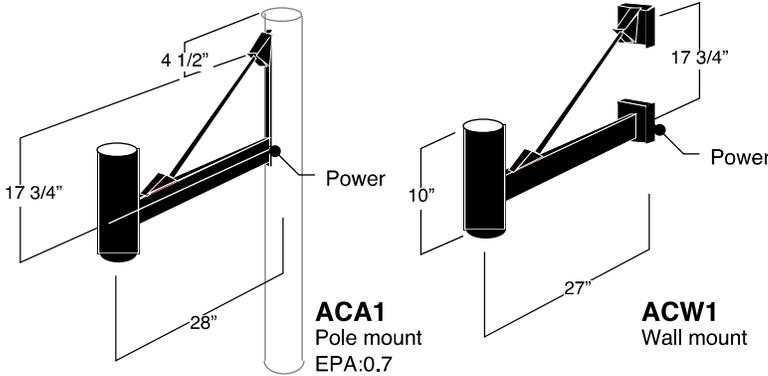
Quartz lamp socket for external 120V
emergency power input.
Separate 120V dedicated wiring is included.
max.100 W DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Luminaires may be altered for design improvements or discontinued without prior notice.

LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5

Tel: 954.717.4155 Fax: 954.717.4157
Toll free: 888.401.6999

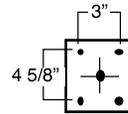
Web: www.luminis.com
Sept. 2006 Rev. Feb.2007



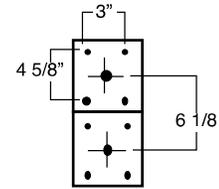
ACA1
Pole mount
EPA:0.7

ACW1
Wall mount

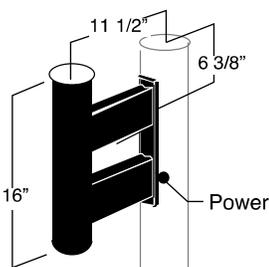
ACW1 series
Mounting



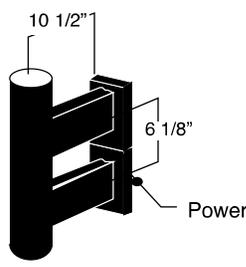
EC3W
EC3WS
series
Mounting



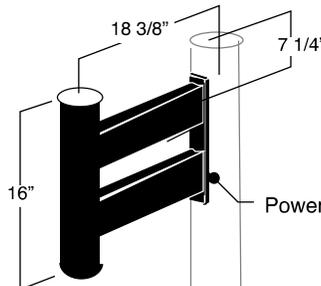
ACA1/ ACW1 -1" x 3" extruded aluminum side pole or wall mounting adaptor. 1/2" dia. stainless steel rod support. 10" x 4" o.dia. aluminum tenon.



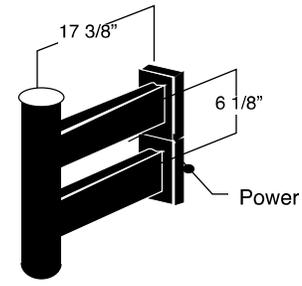
EC3PS -1" x 3" extruded aluminum twin short arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. This option is applicable only to catalog numbers with the suffix **LS** EPA:0.72



EC3WS -1" x 3" extruded aluminum twin short arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates. This option is applicable only to catalog numbers with the suffix **LS**



EC3P -1" x 3" extruded aluminum twin extended arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. EPA:0.97

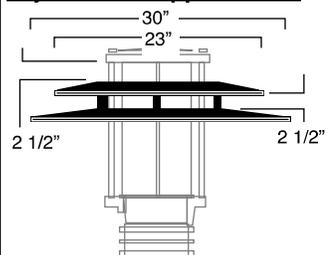


EC3W -1" x 3" extruded aluminum twin extended arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates.

Please specify selected option with a suffix to the specified model number.

Ex: W624LS-**EC3WS-EC5** M100-WHT

23/30" dia. aluminum double adjustable dropped shade

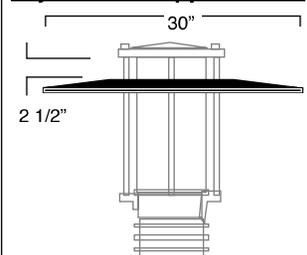


Set of two .093" thick hard aluminum shades factory prefixed. The underside is standard white enamel to optimize lighting performance. The set of shades can slide along the diffuser to accommodate various landscape viewing angles. Note: The distance between the two shades is fixed.

Option: **EC6** EPA:0.44

Compatible with:
ACA1 EC3P
ACW1 EC3W

30" dia. aluminum single adjustable dropped shade

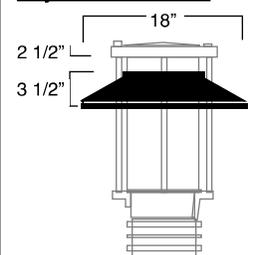


.093" thick hard aluminum factory prefixed dropped shade. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC7** EPA:0.25

Compatible with:
ACA1 EC3P
ACW1 EC3W

18" dia. cast aluminum adjustable shade

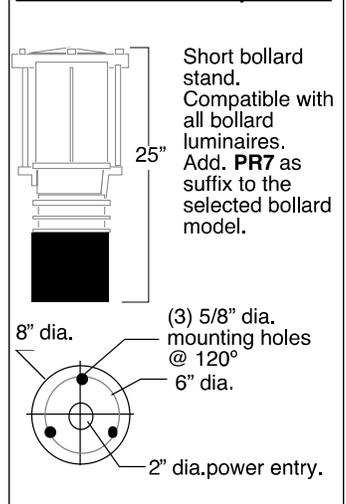


3/16" thick cast aluminum shade for applications where heavy traffic requires indestructible materials. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC5** EPA:0.26

Compatible with:
ACA1 EC3P EC3PS
ACW1 EC3W EC3WS

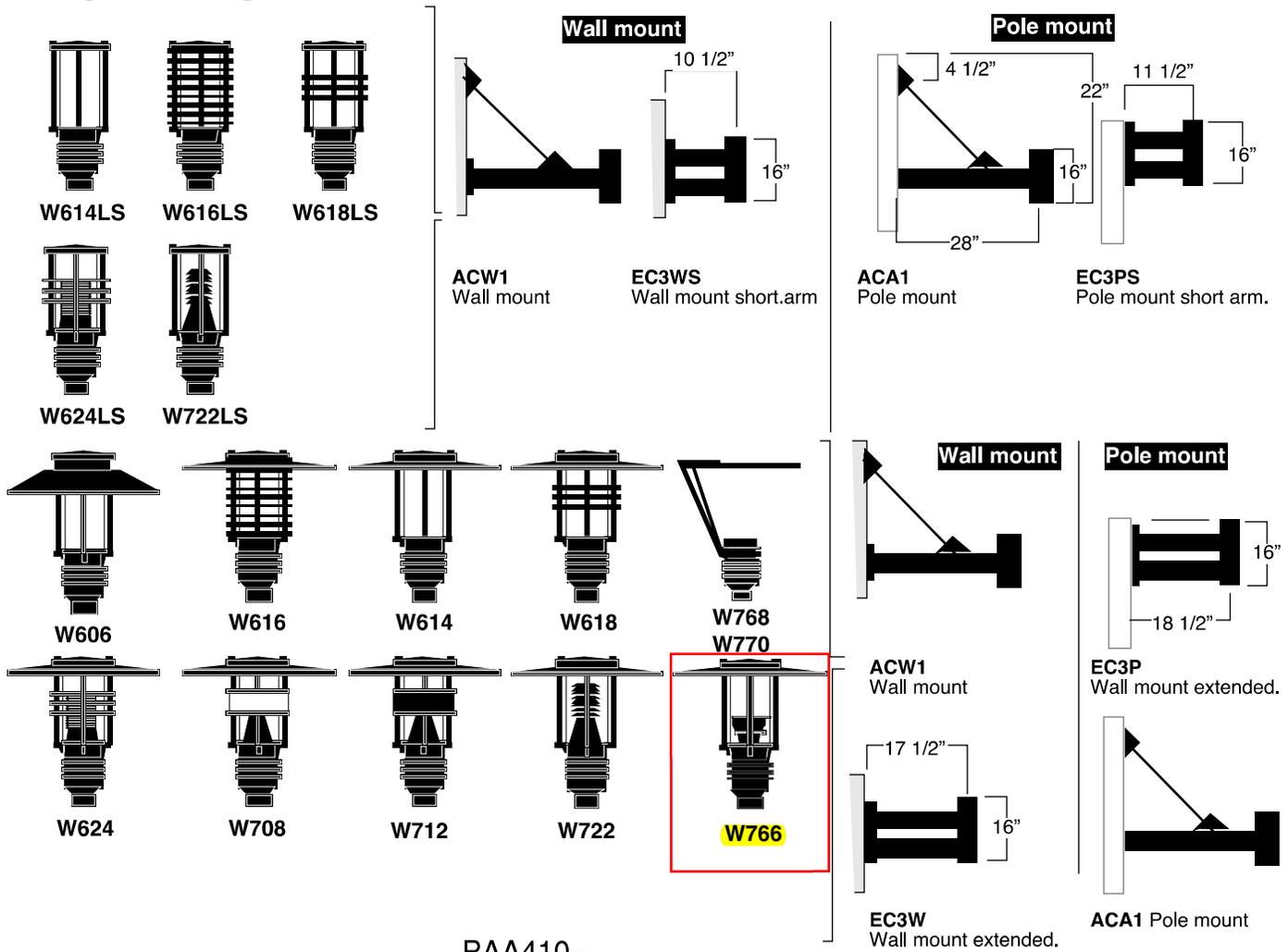
Pier or short wall top mount



Option: **PR7**

Compatible with:
W788 TO W791 Bollard series.

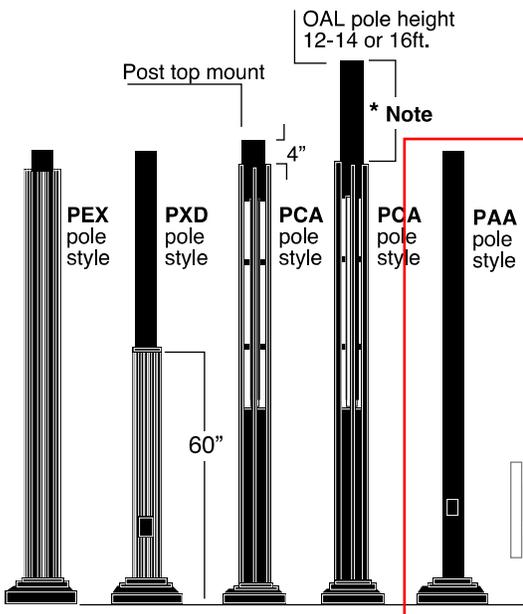
Luminaires may be altered for design improvements or discontinued without prior notice.



PAA410 - 10' POLE

Compatible poles listing.

* Note:
36" extension with ACA attachment
24" extension with EC3P attachment



Mounting style	4" O.D.	5" O.D.	4" O.D.	4" O.D.	4" O.D.	Pole height
	Post top mounting					
	PAA410	PAA510-A	PCA10	PEX10	PXD10	10 ft
	PAA412	PAA512-A	PCA12	PEX12	PXD12	12 ft
	PAA414	PAA514-A	PCA14	PEX14	PXD14	14 ft
	PAA416	PAA516-A	PCA16	PEX16	PXD16	16 ft
	PAA418	PAA518-A		PEX18	PXD18	18 ft
	PAA420	PAA520-A		PEX20	PXD20	20 ft
	Post side mount with EC3P attachment accessory					
	PAA410-C3P	PAA510-C3P				10 ft
	PAA412-C3P	PAA512-C3P	PCA12-C3P	PEX12-C3P	PXD12-C3P	12 ft
	PAA414-C3P	PAA514-C3P	PCA14-C3P	PEX14-C3P	PXD14-C3P	14 ft
	PAA416-C3P	PAA516-C3P	PCA16-C3P	PEX16-C3P	PXD16-C3P	16 ft
	PAA418-C3P	PAA518-C3P		PEX18-C3P	PXD18-C3P	18 ft
	PAA420-C3P	PAA520-C3P				20 ft
	Post side mount with ACA1 attachment accessory					
	PAA414-ACA	PAA514-ACA	PCA14-ACA	PXD14-ACA		14 ft
	PAA416-ACA	PAA516-ACA	PCA16-ACA	PXD16-ACA		16 ft
	PAA418-ACA	PAA518-ACA		PXD18-ACA		18 ft
	PAA420-ACA	PAA520-ACA		PXD20-ACA		20 ft

For poles details and specification, please refer to pages 140 to 144

Luminaires may be altered for design improvements or discontinued without prior notice.

A NEW BUILDING FOR: BOYS & GIRLS CLUB OF MENASHA

MENASHA, WISCONSIN

MATERIAL INDEX-PLANS, SECTIONS

	EARTH		FINISHED LUMBER
	COMPACTED FILL		RIGID INSULATION
	GRAVEL FILL		BATT INSULATION
	CERAMIC TILE		DRYWALL
	POURED CONCRETE		STEEL
	CONCRETE BLOCK		PRECAST CONCRETE
	CONCRETE BLOCK FILLED		ACOUSTIC TILE
	FACE BRICK		BITUMINOUS PAVING
	STONE		EXISTING WALL TO BE REMOVED
	ROUGH LUMBER		EXISTING WALL TO REMAIN
	PLYWOOD		CONSTRUCT NEW WALL

REFERENCE SYMBOLS

SECTION CUT SYMBOL (WALL SECTIONS)

SECTION DESIGNATION (NUMBER FOR CROSS SECTION & LETTER FOR WALL SECTION)

DRAWING NUMBER ON WHICH SECTION APPEARS

PLAN DETAIL / ENLARGED PLAN SYMBOL

DETAIL NUMBER

DRAWING NUMBER ON WHICH DETAIL APPEARS

DETAIL CUT SYMBOL

DETAIL NUMBER

DRAWING NUMBER ON WHICH DETAIL APPEARS

ELEVATION MARK - NEW

ELEVATION MARK - EXISTING

DRAWING SYMBOLS

DOOR TAG

REVISION NUMBER

WINDOW TAG

COLUMN LINE DESIGNATION- NEW

WALL TYPE

STAIRWAY DIRECTION INDICATION

KEYNOTE MARK - ACCESSORIES

KEYNOTE MARK - DEMOLITION NOTES

KEYNOTE MARK - PLAN NOTES

SPOT ELEVATION MARKER

PROJECT DATA	
GOVERNING AUTHORITY - WISCONSIN DEPT. OF SAFETY AND PROFESSIONAL SERVICES	
REFERENCED CODE	INTERNATIONAL BUILDING CODE 2009
CLASS OF CONSTRUCTION	II-B
OCCUPANCY CLASSIFICATION	ASSEMBLY (A-3)
LOCAL ZONING AUTHORITY	CITY OF MENASHA
BUILDING SPRINKLED	YES
BUILDING AREA:	
FIRST FLOOR:	25,454 S.F.
SECOND FLOOR:	8,210 S.F.
CANOPY:	2,670 S.F.
TOTAL BUILDING SQ. FT.:	36,334 S.F.

PROJECT LOCATION

600 RACINE STREET (AT SIXTH STREET)
MENASHA, WISCONSIN



NOTE:
THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS IS THAT THE CONTRACTOR UNDER THE TERMS OF THE CONTRACT SHALL TAKE ALL ACTIONS NECESSARY AND REQUIRED TO PROVIDE ALL LABOR, MATERIALS, SUPPLIES, EQUIPMENT, TRANSPORTATION, FACILITIES AND APPURTENANCES WHICH ARE INDICATED OR REASONABLY IMPLIED BY EACH DRAWING AND EACH SECTION OF THE SPECIFICATIONS, ALL OF WHICH ARE COLLECTIVELY NECESSARY AND REQUIRED FOR THE CONSTRUCTION OF THE DESCRIBED STRUCTURES AND FACILITIES.

NOTE:
ALL TRADES SHALL CROSS REFERENCE ALL CONSTRUCTION DOCUMENTS FOR COORDINATION AND SCOPE OF WORK

SHEET INDEX

CS-S COVER SHEET - SITE

CIVIL

C1	ABBREVIATIONS, SYMBOLS & NOTES
C2	EXISTING CONDITIONS & DEMOLITION
C3	PROPOSED DRAINAGE PLAN
C4	EROSION & SEDIMENT CONTROL PLAN
C5	BIOFILTER DETAILS
C6	EROSION & SEDIMENT CONTROL DETAILS
C7	MISCELLANEOUS DETAILS

ARCHITECTURAL

A-0.1	SITE PLAN
A-0.2	SITE DETAILS
L-0.1	LANDSCAPE PLAN
L-0.2	LANDSCAPE NOTES & DETAILS
ES101	SITE LIGHTING PLAN
ES101P	SITE LIGHTING PHOTOMETRICS
A-1.1	FIRST FLOOR PLAN
A-1.2	SECOND FLOOR PLAN
A-4.1	EXTERIOR ELEVATIONS
A-4.2	EXTERIOR ELEVATIONS
A-4.3	EXTERIOR ELEVATIONS - 3D VIEWS

PROPERTY OWNER

OWNER
BOYS & GIRLS CLUB OF THE FOX VALLEY
160 S. BADGER AVENUE
APPLETON, WI 54914
PH (920)731-0555
CONTACT: GREG LEMKE-ROCHON

CONSULTANTS

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NEENAH, WI 54956
PH (920)722-2445 FX (920)722-6605
CONTACT: STEVE BORSECNIK, AIA, LEED AP

CIVIL
McMAHON
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CONTACT: JENNIFER L. SCHAFF, P.E.

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A NEW BUILDING FOR:
BOYS & GIRLS CLUB OF MENASHA
MENASHA, WISCONSIN

SITE PLAN REVIEW SUBMITTAL 07-16-2014

date: 07/16/2014

job: 14-009

d. by: SMB

rev.:

CS-S

STANDARD ABBREVIATIONS

AC	ACRE	LT	LEFT
AGG	AGGREGATE	LVC	LENGTH OF VERTICAL CURVE
AH	AHEAD	MAINT	MAINTENANCE
ASPH	ASPHALT PAVEMENT	MAT'L	MATERIAL
AVG	AVERAGE	MAX	MAXIMUM
B-B	BACK TO BACK	MIN	MINIMUM
BEG	BEGIN	MH	MANHOLE
BIT	BITUMINOUS	MP	MILE POST
BK	BACK	NB	NORTHBOUND
B/L	BASE LINE	NO	NUMBER
BLDG	BUILDING	NOR	NORMAL
BM	BENCH MARK	OD	OUTSIDE DIAMETER
BOC	BACK OF CURB	OBLIT	OBLITERATE
BRG	BEARING	PAV'T	PAVEMENT
C-C	CENTER TO CENTER	PC	POINT OF CURVATURE
CY	CUBIC YARD	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
C&G	CURB AND GUTTER	PE	PRIVATE ENTRANCE
CB	CATCH BASIN	PED	PEDESTAL
CE	COMMERCIAL ENTRANCE	PGL	PROFILE GRADE LINE
CHD	CHORD	PI	POINT OF INTERSECTION
C/L	CENTER LINE	P/L	PROPERTY LINE
CL	CLASS (FOR CONC PIPE)	PLE	PERMANENT LIMITED EASEMENT
CMP	CORRUGATED METAL PIPE	PP	POWER POLE
CO	CLEAN OUT	PRC	POINT OF REVERSE CURVATURE
CONC	CONCRETE	PROP	PROPOSED
CORR	CORRUGATED	PSD	PASSING SIGHT DISTANCE
CP	CONTROL POINT	PSI	POUNDS PER SQUARE INCH
CR	CRUSHED	PT	POINT OF TANGENCY
CS	CURB STOP	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
CSW	CONCRETE SIDEWALK	PVI	POINT OF VERTICAL INTERSECTION
CTH	COUNTY TRUNK HIGHWAY	PVT	POINT OF VERTICAL TANGENCY
CULV	CULVERT	R	RADIUS
D	DEPTH OR DELTA	RCP	REINFORCED CONCRETE PIPE
DI	DUCTILE IRON	RD	ROAD
DIA	DIAMETER	REBAR	REINFORCEMENT ROD
DIS	DISCHARGE	REM	REMOVE
EA	EACH	RECON	RECONSTRUCT
EB	EASTBOUND	REQ'D	REQUIRED
EBS	EXCAVATION BELOW SUBGRADE	R/L	REFERENCE LINE
EG	EDGE OF GRAVEL	RP	RADIUS POINT
ELEV	ELEVATION	RR	RAILROAD
ELEC	ELECTRIC	RT	RIGHT
EMB	EMBANKMENT	R/W	RIGHT-OF-WAY
EMAT	EROSION MAT	SB	SOUTHBOUND
ENT	ENTRANCE	SE	SUPERELEVATION
EOR	END OF RADIUS	SF	SQUARE FEET
EP	EDGE OF PAVEMENT	SI	SLOPE INTERCEPT
EXC	EXCAVATION	STH	STATE TRUNK HIGHWAY
EX	EXISTING	SY	SQUARE YARD
EW	ENDWALL	SALV	SALVAGED
F-F	FACE TO FACE	SAN	SANITARY
FDN	FOUNDATION	SEC	SECTION
FE	FIELD ENTRANCE	SHLDR	SHOULDER
FERT	FERTILIZER	S/L	SURVEY LINE
FG	FINISHED GRADE	SQ	SQUARE
F/L	FLOW LINE	STA	STATION
FT	FOOT	STD	STANDARD
FTG	FOOTING	STO	STORM
GRAV	GRAVEL	SW	SIDEWALK
GN	GRID NORTH	TC	TOP OF CURB
GV	GAS VALVE	TEL	TELEPHONE
HDPE	HIGH DENSITY POLYETHYLENE	TEMP	TEMPORARY
HE	HIGHWAY EASEMENT	TLE	TEMPORARY LIMITED EASEMENT
HMA	HOT MIX ASPHALT	TV	TELEVISION
HP	HIGH POINT	TYP	TYPICAL
HT	HEIGHT	UG	UNDERGROUND
HYD	HYDRANT	USH	U.S. HIGHWAY
ID	INSIDE DIAMETER	VAR	VARIES
IN	INCH	VC	VERTICAL CURVE
INL	INLET	VERT	VERTICAL
INV	INVERT	WB	WESTBOUND
IP	IRON PIPE	WM	WATER MAIN
JCT	JUNCTION	WV	WATER VALVE
LB	POUND		
LF	LINEAR FOOT		
LP	LIGHT POLE		

GENERAL NOTES

- 1) THE UTILITIES SHOWN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
- 2) EXISTING STREET RIGHT-OF-WAY AND INTERSECTION PROPERTY LINES ARE ESTABLISHED FROM FIELD LOCATED SURVEY MONUMENTATION, PREVIOUS SURVEYS, PLATS AND CURRENT PROPERTY DEEDS.
- 3) NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
- 4) A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
- 5) ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- 6) DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

STANDARD SYMBOLS

	2" IRON PIPE FOUND		TELEPHONE CABLE - BURIED
	1 1/4" REBAR FOUND		ELECTRIC CABLE - BURIED
	1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET		UTILITIES - OVERHEAD
	1" (1.315 OD) IRON PIPE FOUND		FIBER OPTIC CABLE - BURIED
	1" IRON PIPE SET		GAS MAIN
	3/4" IRON REBAR FOUND		CABLE TELEVISION - BURIED
	3/4" IRON PIPE FOUND		DITCH LINE
	3/4" x 24" IRON REBAR WEIGHING 1.5 LB/LF SET		STREET C/L OR R/L
	MAG NAIL FOUND		PROPERTY LINE
	MAG NAIL SET		RIGHT-OF-WAY LINE
	GEAR NAIL SET		SECTION LINE
	RAILROAD SPIKE FOUND		EXISTING CONTOURS
	RAILROAD SPIKE SET		PROPOSED CONTOURS
	CHISEL CROSS FOUND		EXISTING SANITARY SEWER
	CHISEL CROSS SET		PROPOSED SANITARY SEWER
	COUNTY MONUMENT		EXISTING WATER MAIN
	CONCRETE MONUMENT FOUND		PROPOSED WATER MAIN
	CONTROL POINT HORIZONTAL		EXISTING STORM SEWER
	CONTROL POINT VERTICAL		PROPOSED STORM SEWER
	SOIL BORING OR MONITORING WELL		EXISTING CURB & GUTTER
	POWER POLE		PROPOSED CURB & GUTTER
	POWER POLE W/GUY WIRE		PROPOSED REJECT CURB & GUTTER
	TELEPHONE OR TELEVISION PEDESTAL		EXISTING CULVERT WITH END SECTIONS
	MAILBOX		PROPOSED CULVERT WITH END SECTIONS
	SIGN		BUILDING OUTLINE
	RAILROAD CROSS BUCK		FENCE LINE
	RAILROAD GATE ARM		SAW CUT REQ'D
	RAILROAD TRACKS		SILT FENCE
	LIGHT POLE		GUARD RAIL
	WOOD POLE		DITCH CHECK
	TRAFFIC SIGNAL		INLET PROTECTION
	TRAFFIC SIGNAL MAST ARM		TRACKING PAD
	CONIFEROUS TREE		TURBIDITY BARRIER OR SHEET PILING
	DECIDUOUS TREE		SANDBAG COFFERDAM
	TREE OR BRUSH LINE		SLOPE INTERCEPT
	BED ROCK (IN PROFILE VIEW)		LIMITS OF DISTURBANCE
	HANDICAPPED PARKING STALL		EROSION MAT
	EXISTING SPOT ELEVATION		RIP-RAP (SIZE AS SPECIFIED)
	PROPOSED SPOT ELEVATION		TURF REINFORCEMENT MAT (TRM)
	DRAINAGE HIGH POINT		VEGETATED BUFFER
	DRAINAGE DIRECTION		DELINEATED WETLANDS
	EXISTING MANHOLE		EXISTING PAVEMENT
	PROPOSED MANHOLE		PROPOSED PAVEMENT
	EXISTING INLET		6" CONCRETE SIDEWALK / DRIVEWAY
	PROPOSED INLET		PROPOSED GRAVEL
	EXISTING YARD DRAIN		
	PROPOSED YARD DRAIN		
	EXISTING CLEAN OUT		
	PROPOSED CLEAN OUT		
	EXISTING DOWNSPOUT		
	PROPOSED DOWNSPOUT		
	EXISTING WATER VALVE		
	PROPOSED WATER VALVE		
	EXISTING CURB STOP		
	PROPOSED CURB STOP		
	EXISTING FIRE HYDRANT		
	PROPOSED FIRE HYDRANT		
	PROPOSED WATER FITTING		
	PROPOSED WATER REDUCER		
	PROPOSED ENDCAP		
	GAS VALVE		

NO.	DATE	REVISION

DESIGNED JLS	DRAWN KRH
PROJECT NO. M0032-940326	
DATE JULY 2014	
SHEET NO.	



- Notes for Existing Conditions & Demolition:**
1. Apply for and obtain all demolition permits required. Follow all State and Local requirements.
 2. Demolish all existing site structures, pavements (including driveway aprons), and underground utilities.
 3. Demolish all existing water laterals to the site. Corporation shall be removed at the main and a sleeve installed per Menasha Utilities requirements.
 4. Demolish all existing sanitary laterals extending from Racine Street to the site that are not being utilized for the Boys and Girls Club building. Demolish all lateral piping up to but not including the PVC lateral connection to the main. Construct a glued on cap or any other watertight abandonment approved by the City.
 5. Demolish all existing sanitary laterals on Sixth Street. Demolish all lateral piping up to but not including the sanitary lateral riser. If at the time of exposing the existing riser, it is observed that the riser is allowing any clearwater infiltration; the City of Menasha shall be notified to see how the riser can be abandoned and eliminate the infiltration. In the City of Menasha the property owner owns the lateral from the house to the sanitary sewer main. If it is a tapped connection the property owner owns the tapped connection as well. If it is factory connection the City owns the connection. In the case of a riser, the property owner owns the sanitary lateral from the house to the bend of the riser. The City owns the riser from the sanitary sewer main to the bend of the riser so any work on that section of the riser would be City responsibility. Contractor shall complete work that is considered the property owner's responsibility.
 6. Replace curb and gutter, sidewalk panels etc. as necessary to restore site to conditions acceptable to the owner.

McMAHON
ENGINEERS ARCHITECTS

1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

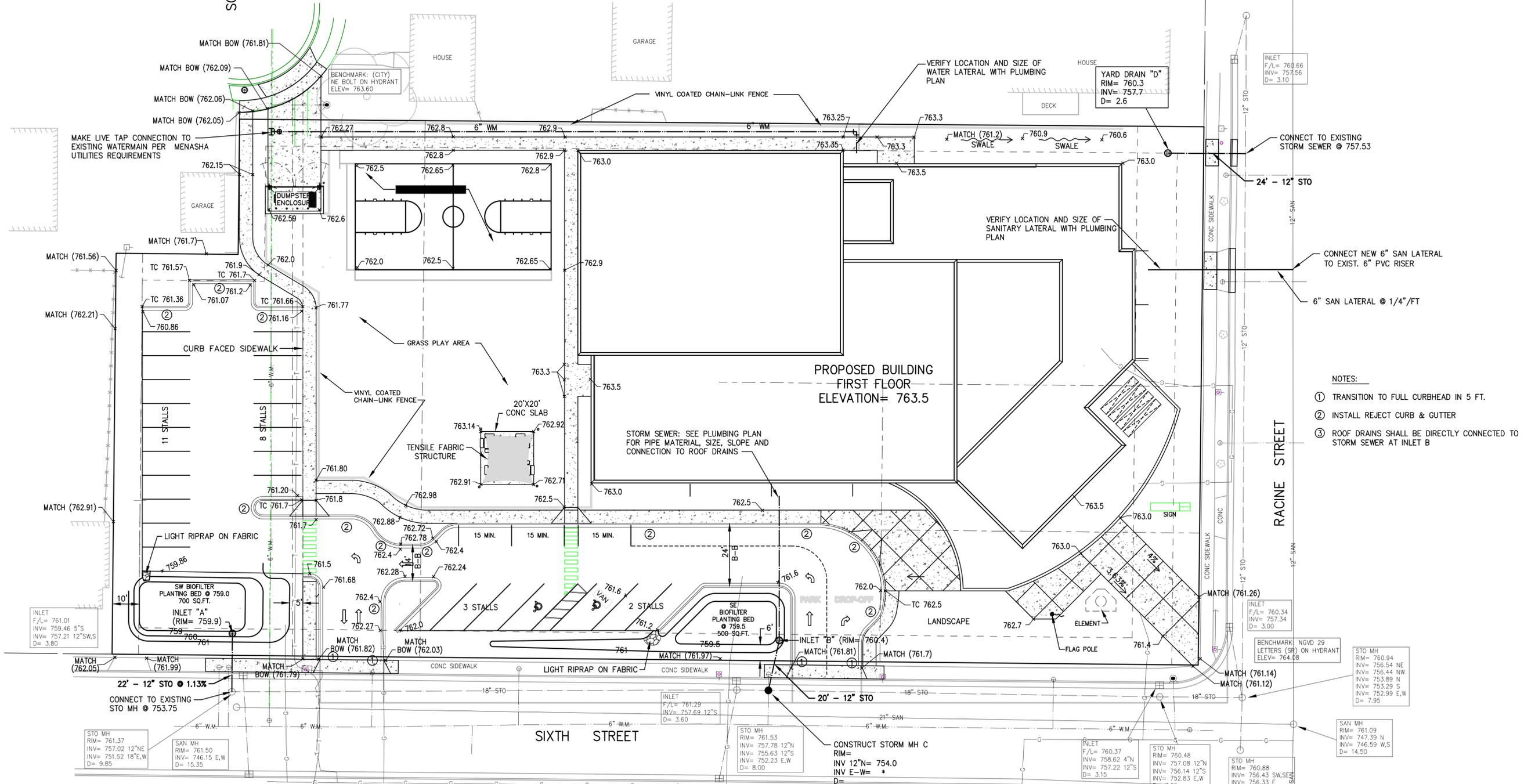
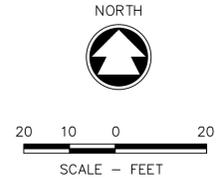
**BOYS AND GIRLS CLUB
CITY OF MENASHA
EXISTING CONDITIONS & DEMOLITION**

NO.	DATE	REVISION

DESIGNED JLS	DRAWN KRH
PROJECT NO. MO032-940326	
DATE JULY 2014	
SHEET NO. C2	

W:\PROJECTS\MO032\940326\00_Acad\C3 PROPOSED DRAINAGE PLAN.dwg, C:\PROPOSED DRAINAGE PLAN, 7/16/2014 11:06 AM, krcr: 11
krcr: W:\PROJECTS\MO032\940326\00_Acad\C3 PROPOSED DRAINAGE PLAN.dwg, C:\PROPOSED DRAINAGE PLAN, 7/16/2014 11:06 AM, krcr: 11
krcr: W:\PROJECTS\MO032\940326\00_Acad\C3 PROPOSED DRAINAGE PLAN.dwg, C:\PROPOSED DRAINAGE PLAN, 7/16/2014 11:06 AM, krcr: 11

SCHOOL CT



- NOTES:
- ① TRANSITION TO FULL CURBHEAD IN 5 FT.
 - ② INSTALL REJECT CURB & GUTTER
 - ③ ROOF DRAINS SHALL BE DIRECTLY CONNECTED TO STORM SEWER AT INLET B

* CONTRACTOR TO VERIFY RIM ELEVATION AND PIPE SIZE PRIOR TO ORDERING STRUCTURE
NOTE: EXISTING WATER SERVICE TO BE DEMOLISHED SEE SHEET C2

NO.	DATE	REVISION

**BOYS AND GIRLS CLUB
CITY OF MENASHA
PROPOSED DRAINAGE PLAN**

DESIGNED	DRAWN
JLS	KRH

PROJECT NO.
MO032-940326

DATE
JULY 2014

SHEET NO.

EROSION & SEDIMENT CONTROL PLAN

BEST MANAGEMENT PRACTICES:

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT <http://www.dnr.wi.gov/runoff/stormwater/techstds.htm>. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

- | | |
|---|--|
| [] LAND APPLICATION OF POLYACRYLAMIDE (1050) | [X] DE-WATERING (1061) |
| [] WATER APPLICATION OF POLYMERS (1051) | [] DITCH CHECK (1062) |
| [X] NON-CHANNEL EROSION MAT (1052) | [] SEDIMENT TRAP (1063) |
| [] CHANNEL EROSION MAT (1053) | [] SEDIMENT BASIN (1064) |
| [] VEGETATIVE BUFFER (1054) | [] RIP-RAP (1065) |
| [] SEDIMENT BALE BARRIER (1055) | [] CONSTRUCTION DIVERSION (1066) |
| [X] SILT FENCE (1056) | [] GRADING PRACTICES (1067) |
| [X] TRACKING PAD & TIRE WASHING (1057) | [X] DUST CONTROL (1068) |
| [X] MULCHING (1058) | [] TURBIDITY BARRIER (1069) |
| [X] SEEDING (1059) | [] SILT CURTAIN (1070) |
| [X] STORM DRAIN INLET PROTECTION (1060) | [] MANUFACTURED PERIMETER PRODUCTS (1071) |

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

- DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.
- DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.
- DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.
- DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.
- DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.
- DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.
- DISCHARGE OF SEDIMENT FROM EROSION OUTLET FLOWS.
- TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.
- TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

- PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
- MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
- MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
- MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
- DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
- TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
- PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
- CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

INSPECTION & MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

AMENDMENTS:

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.

CONTACT INFORMATION:

LANDOWNER: BOYS & GIRLS CLUBS OF THE FOX VALLEY
GREG LEMKE-ROCHON, CHIEF PROFESSIONAL OFFICER
PHONE: (920) 750-5801
EMAIL: glemkerochon@bgclubfoxvalley.org

DESIGNER: McMAHON
P.O. BOX 1025
NEENAH, WI 54957-1025
JENNIFER SCHAFF, PROJECT ENGINEER
PHONE: (920) 751-4200
EMAIL: jschaff@mcgrp.com

PROJECT DESCRIPTION:

THE SITE IS LOCATED AT INTERSECTION OF RACINE STREET AND SIXTH STREET IN THE CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN (SE 1/4, NE 1/4 SECTION 15, T20N, R17E) THE DEVELOPABLE AREA OF THE SITE IS 1.8 ACRES. 1.8 ACRES ARE ESTIMATED TO BE DISTURBED DURING CONSTRUCTION.

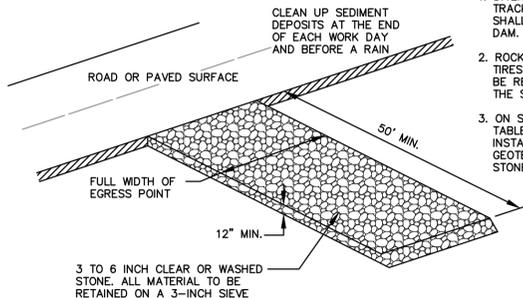
THE PROJECT CONSISTS OF DEMOLITION OF EXISTING SITE FEATURES AND OF CONSTRUCTION OF ONE BUILDING, PARKING LOT, OUTDOOR PLAY AREAS, ACCESS DRIVES AND LANDSCAPING FEATURES. SOME MINOR UTILITY WORK INCLUDING STORM SEWER, CABLE TV, TELEPHONE LINES AND SEWER AND WATER LATERALS.

RUNOFF FROM THE SITE CURRENTLY DISCHARGES TO STORM SEWERS IN RACINE AND SIXTH STREETS. POST PROJECT RUNOFF WILL BE TREATED BY TWO BIO-FILTERS. THE BIO-FILTERS AND RUNOFF UNCAPTURED BY THE BIOFILTERS WILL DISCHARGE TO RACINE & SIXTH STREET STORM SEWERS.

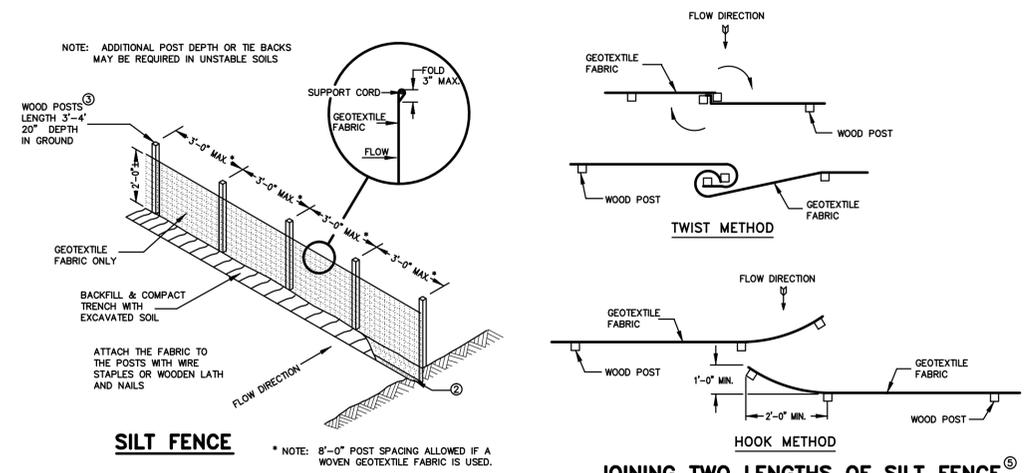
SOIL INFORMATION WAS OBTAINED FROM THE USDA NATURAL RESOURCES CONSERVATION SERVICE. ON SITE SOILS CONSIST OF WINNECONNE SILTY CLAY LOAM AND ARE HYDROLOGIC SOIL TYPE C.

TEMPORARY SEEDING:

TEMPORARY STABILIZATION	APPLICATION RATE	CRITERIA
POLYACRYLAMIDE	*	*TECHNICAL STANDARD 1050.
MULCHING (straw or hay only)		
SEEDED AREA	1½ TO 2-TON/ACRE	USE CRIMPING, NETTING, OR TACKIFIER TO ANCHOR. CONSIDER EROSION MAT.
UNSEEDED	2 TO 3 TON/ACRE	
SEEDING (select one species)		
OATS	131 LBS/ACRE	98% PURITY. SPRING/SUMMER SEEDING
WINTER WHEAT	131 LBS/ACRE	95% PURITY. FALL SEEDING
ANNUAL RYE	80 LBS/ACRE	97% PURITY. FALL SEEDING



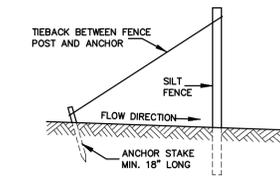
GRAVEL TRACKING PAD DETAIL



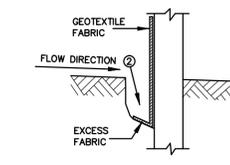
SILT FENCE

* NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.



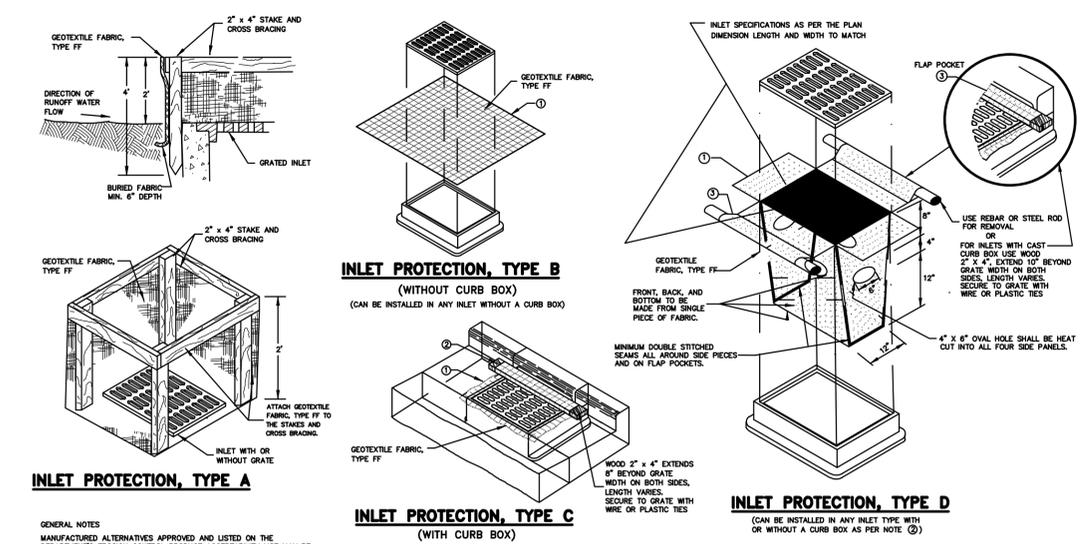
SILT FENCE TIE BACK (WHEN ADDITIONAL SUPPORT REQUIRED)



TRENCH DETAIL

GENERAL NOTES

- HORIZONTAL BRACE REQUIRED WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1" x 1" OF OAK OR HICKORY.
- SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



INLET PROTECTION, TYPE A

INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

INLET PROTECTION, TYPE C (WITH CURB BOX)

INLET PROTECTION, TYPE D (WITH CURB BOX)

INSTALLATION NOTES
TYPE B & C
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
TYPE D
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES OR 3" WHERE NECESSARY THE CONTRACTOR SHALL CATCH THE BAG USING PLASTIC ZIP TIES TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

STORM DRAIN INLET PROTECTION

McMAHON

ENGINEERS ARCHITECTS

1445 McMAHON DRIVE, NEENAH, WI 54956
MAILING: P.O. BOX 1025, NEENAH, WI 54957-1025
TEL: (920) 751-4200 FAX: (920) 751-4284
WWW.MCGRP.COM

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REVISION

NO.	DATE	DESCRIPTION

DESIGNED

DRAWN

JLS

KRH

PROJECT NO.

M0032-940326

DATE

JULY 2014

SHEET NO.

C6

BOYS AND GIRLS CLUB
CITY OF MENASHA
EROSION & SEDIMENT CONTROL DETAILS

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NO.	DATE	REVISION

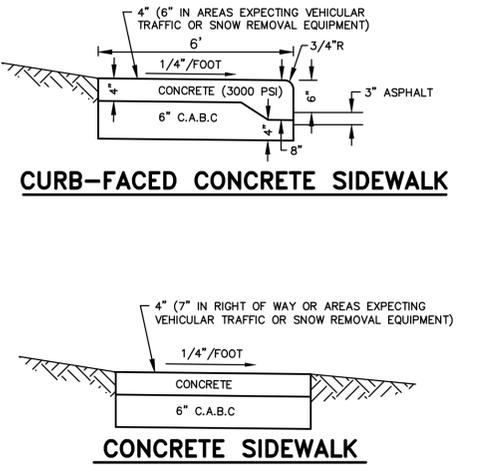
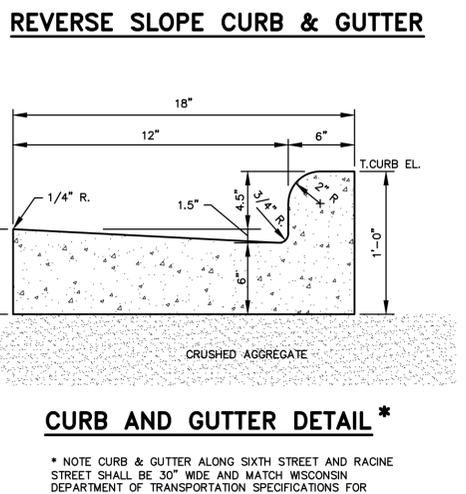
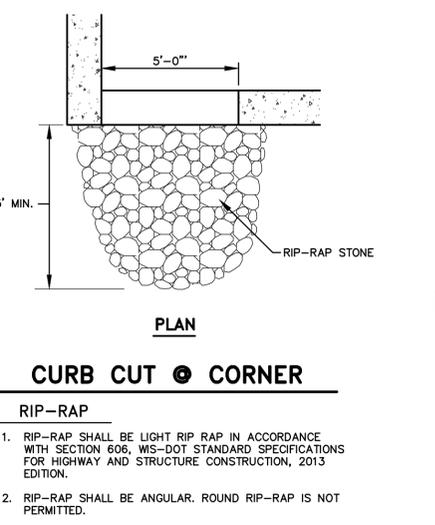
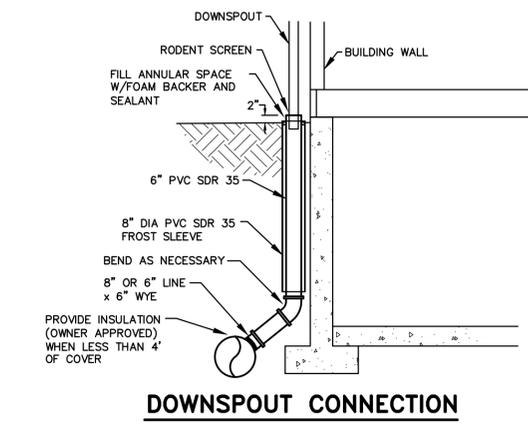
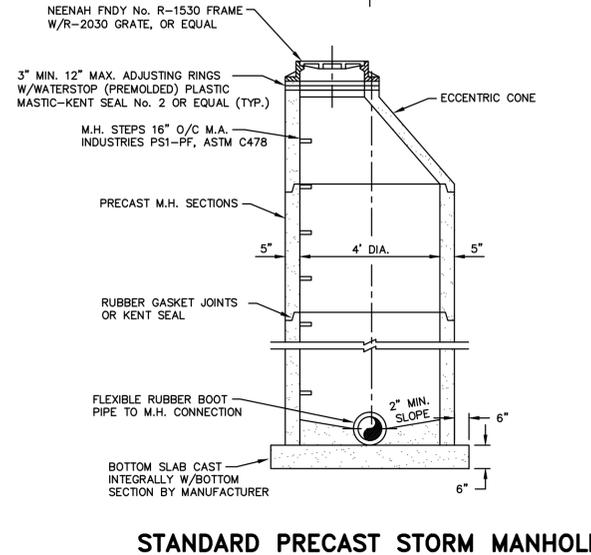
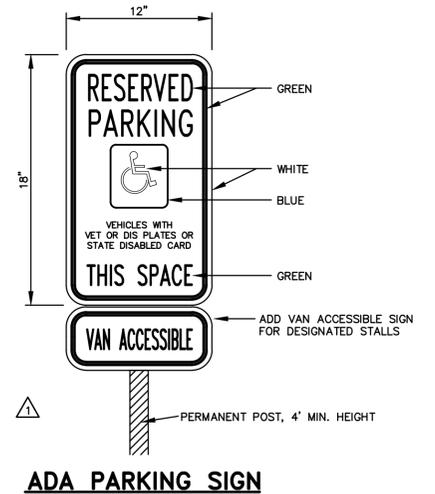
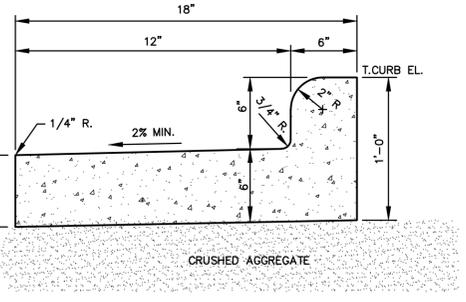
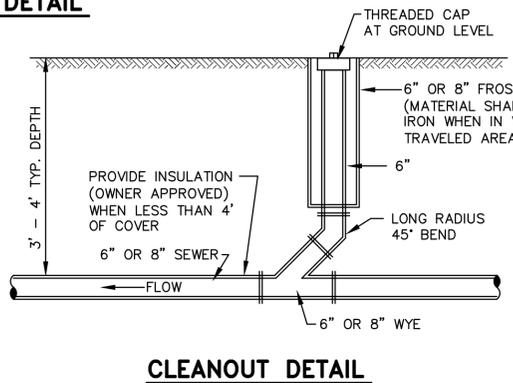
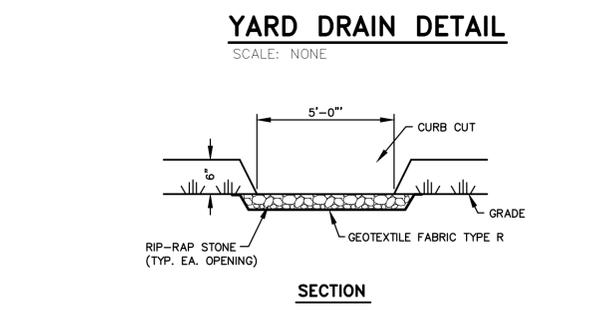
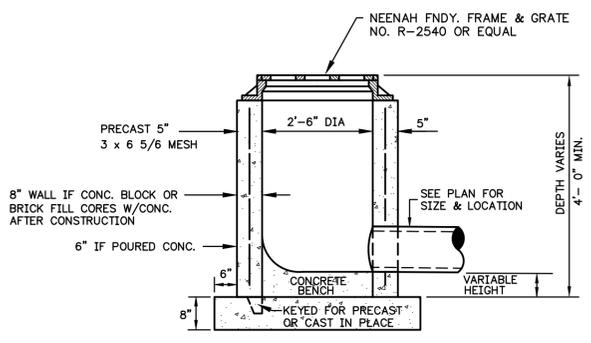
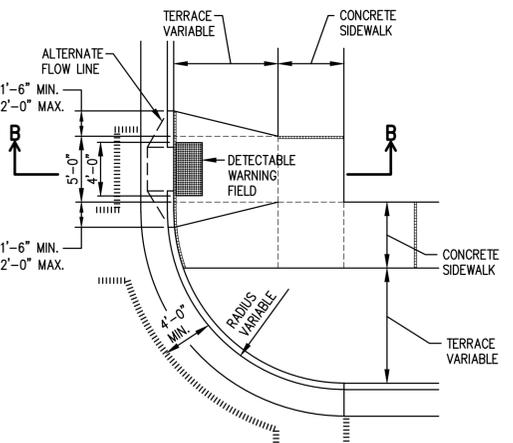
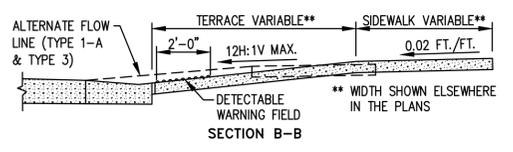
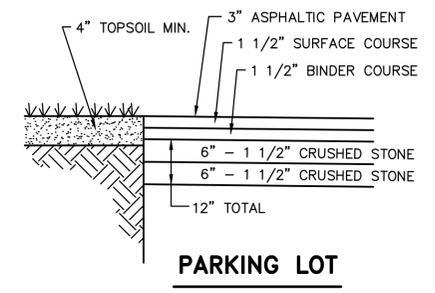
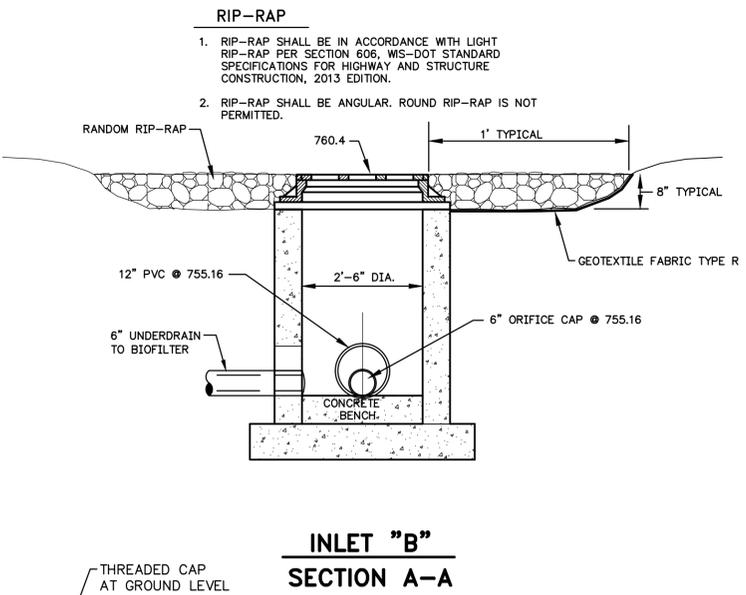
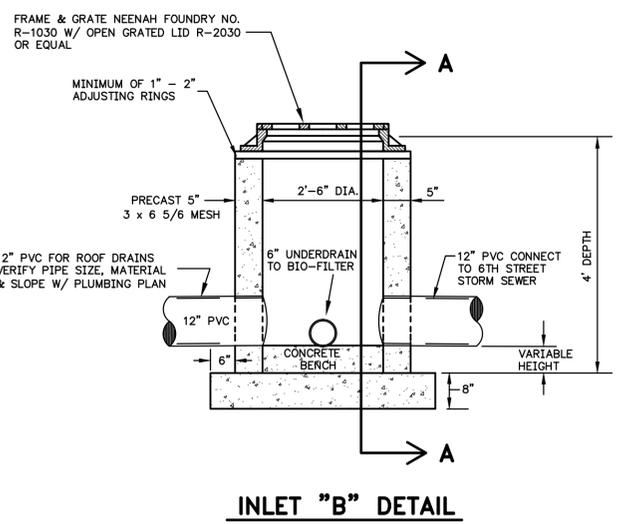
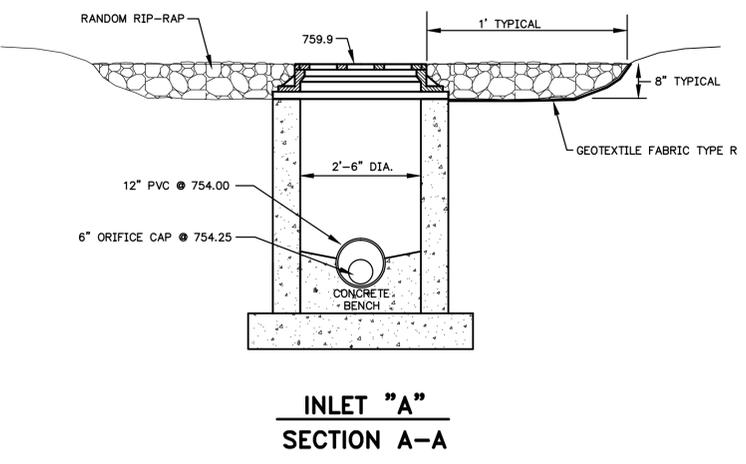
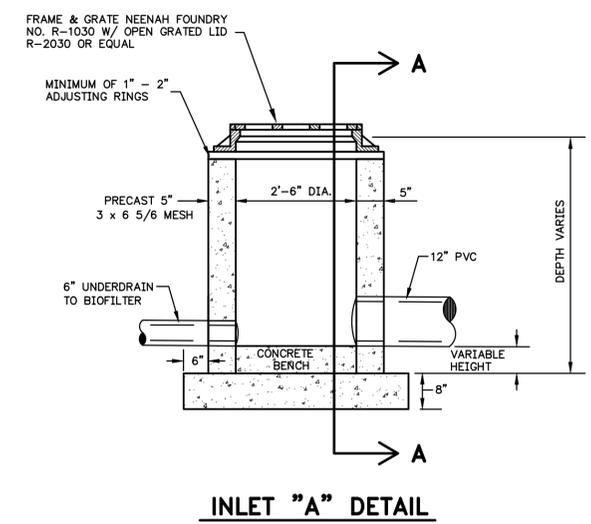
NO.	DATE	REVISION

**BOYS AND GIRLS CLUB
CITY OF MENASHA
MISCELLANEOUS DETAILS**

DESIGNED JLS	DRAWN KRH
PROJECT NO. M0032-940326	
DATE JULY 2014	
SHEET NO. C7	

RIP-RAP

- RIP-RAP SHALL BE IN ACCORDANCE WITH LIGHT RIP-RAP PER SECTION 606, WIS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2013 EDITION.
- RIP-RAP SHALL BE ANGULAR. ROUND RIP-RAP IS NOT PERMITTED.



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kheoner, W:\PROJECTS\M0032\940326\00\Acad\C7 MISCELLANEOUS DETAILS.dwg, c7 miscellaneous details, Plot Date: 7/16/2014 11:06 AM, xrefis:none

GENERAL SITE PLAN NOTES:

- GENERAL CONTRACTOR TO PROVIDE CONCRETE MECHANICAL EQUIPMENT PADS, COORDINATE SIZE & REIN. REQUIREMENTS WITH MECHANICAL & ELECTRICAL CONTRACTOR.
- GENERAL CONTRACTOR TO PROVIDE SILT FENCE / EROSION CONTROL MEASURES PER CIVIL DRAWINGS AND LOCAL MUNICIPALITY REQUIREMENTS. EROSION CONTROL MEASURES MUST BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL SITE UTILITIES MUST BE VERIFIED PRIOR TO CONSTRUCTION.
- PATCH ANY AREA OF ASPHALT PAVING OR CONCRETE PAVING AND CONC. CURB, DISTURBED BY CONSTRUCTION.
- GENERAL CONTRACTOR TO ROUGH GRADE AND FINISH GRADE ANY AREAS DISTURBED BY CONSTRUCTION. SEEDING OF AREAS BY GENERAL CONTRACTOR. ALL DRIVEWAY CUTS AND CURBING SHALL COMPLY WITH THE LOCAL MUNICIPALITY STANDARDS.
- SEE LANDSCAPE PLAN SHEET L0.1 FOR PLANTING INFORMATION.
- HANDICAP ACCESSIBILITY MUST BE MAINTAINED AT ALL FRONT AND REAR DOORS. COORDINATE PARKING LOT GRADING AND RAMP WITH DOOR LOCATIONS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL THE SITE IS STABILIZED BY VEGETATION OR OTHER APPROVED MEANS.
- ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
- ALL SEDIMENT LADEN WATER PUMPED FROM THE SITE SHALL BE TREATED BY A TEMPORARY SEDIMENT BASIN OR BE FILTERED BY OTHER APPROVED MEANS. WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNEL DURING FINAL LANDSCAPING.

- DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREA, INCLUDING SOIL STOCKPILES LEFT INACTIVE FOR MORE THAN 10 DAYS, SHALL AT A MINIMUM BE TEMPORARILY STABILIZED BY SEEDING / MULCHING OR OTHER METHODS APPROVED BY THE LOCAL MUNICIPALITY EROSION CONTROL INSPECTOR.
- WASTE MATERIAL GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO A RECEIVING WATER OR STORM SEWER SYSTEM.
- IN THE CASE OF LATE SEASON AND WINTER CONSTRUCTION, RESTORATION / LANDSCAPING OF THE SITE SHALL OCCUR NO LATER THAN JUNE 1st OF THE NEXT CONSTRUCTION SEASON. EROSION CONTROL MEASURES SHALL REMAIN INTACT UNTIL FINAL RESTORATION OF THE SITE IS COMPLETE. FABRIC INSIDE THE INLET AND CATCH BASIN GRATING SHALL BE REMOVED AS SOON AS FREEZING WEATHER OCCURS SO DRAINAGE IS NOT IMPAIRED THROUGHOUT THE WINTER MONTHS. ALL EROSION CONTROL PRACTICES REMOVED OR DAMAGED DUE TO WINTER WEATHER SHALL BE REPLACED IN THE SPRING IMMEDIATELY AFTER THE THAW.
- EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF THE WORK DAY.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AT THE CONCLUSION OF CONSTRUCTION AFTER STABILIZATION OF DISTURBED SOIL HAS OCCURRED.
- THE EXISTING GRASS STREET TERRACE WITHIN THE LOCAL MUNICIPALITY RIGHT OF WAY SHALL BE MAINTAINED AS BUFFER THROUGHOUT CONSTRUCTION. AT A MINIMUM, THE GRASS TERRACE SHALL BE RESTORED WITH TEMPORARY SEED (GRASS / RYE) AND MULCHED, WITHIN 10 DAYS OF THE COMPLETION OF ALL LATERAL INSTALLATIONS AND OTHER CONSTRUCTION ACTIVITY. IF THE TERRACE IS NOT TO BE RESTORED DURING FINAL LANDSCAPING, A PERMANENT SEED MIX SHALL BE UTILIZED.

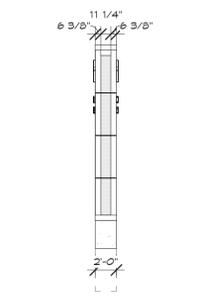
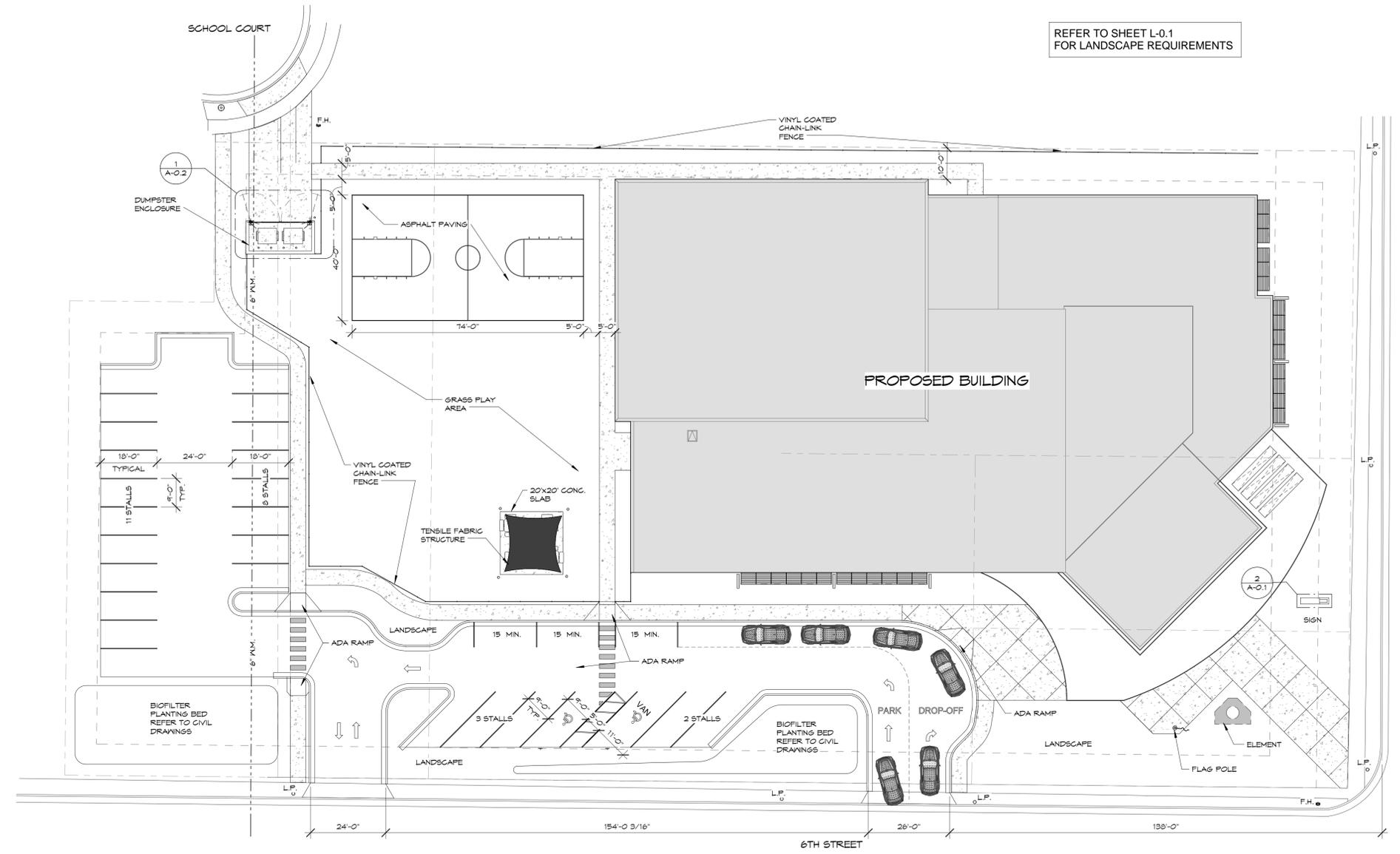
GENERAL PROJECT NOTES:

PROJECT NAME:	BOYS & GIRLS CLUB OF MENASHA	
PROPERTY ADDRESS:	600 RACINE STREET MENASHA, WISCONSIN	
ZONING DESCRIPTION:	GENERAL COMMERCIAL DISTRICT (G-1)	
SITE AREA:	62,335 S.F. / 1.194 ACRES	
AREA PERCENTAGE:	BUILDING AREA (FOOTPRINT):	25,454 S.F. 40.8%
	IMPERVIOUS AREA:	- PAVEMENTS 12,452 S.F. 20.1%
	LANDSCAPE AREA:	23,421 S.F. 38.5%
	TOTAL SITE AREA:	62,335 S.F. 100.0%
PARKING CALCULATIONS:	RECREATIONAL BUILDING OR COMMUNITY CENTER:	
	MINIMUM PARKING REQUIREMENTS:	PROVIDED
	SPACES IN ADEQUATE NUMBER AS DETERMINED BY THE DEPARTMENT OF COMMUNITY DEVELOPMENT	
	STAFF/GENERAL PARKING	24
	SHORT TERM PARKING	3
	ACCESSIBLE PARKING	2
	TOTAL PARKING PROVIDED =	29 STALLS

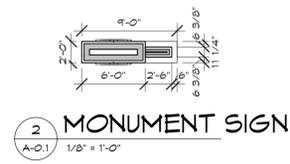
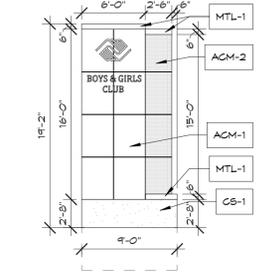


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REFER TO SHEET L-0.1 FOR LANDSCAPE REQUIREMENTS



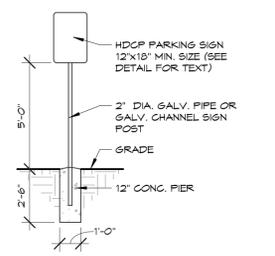
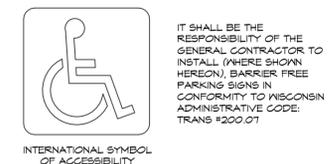
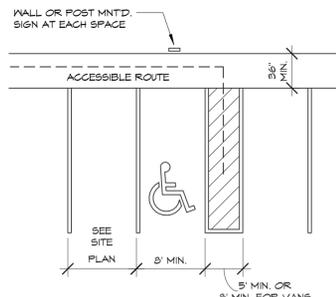
REFER TO SHEET A-4.1 FOR MATERIAL LEGEND



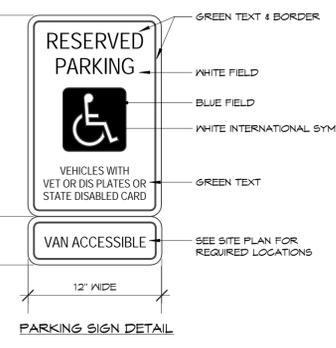
A NEW BUILDING FOR:
BOYS & GIRLS CLUB OF MENASHA
MENASHA, WISCONSIN

date: 07/16/2014
job: 14-009
d. by: JJS, SMB
rev.:

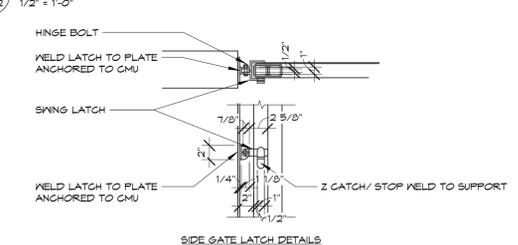
A-0.1



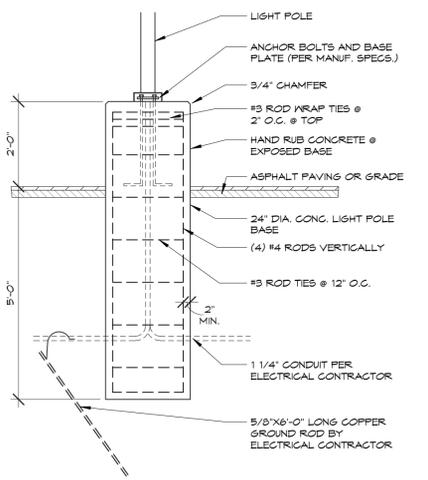
13 HC PARKING DETAILS
A-0.2 NOT TO SCALE



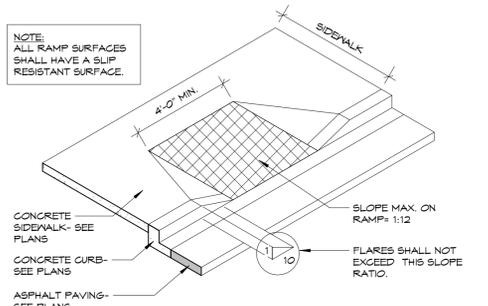
7 BOLLARD DETAIL
A-0.2 1/2" = 1'-0"



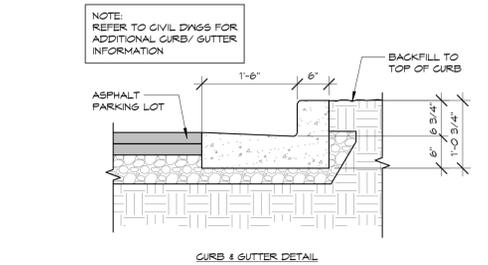
3 DUMPSTER SECTION
A-0.2 1/2" = 1'-0"



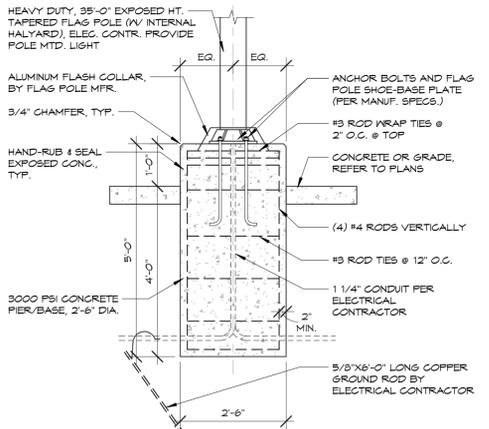
12 LIGHT POLE BASE DET.
A-0.2 1/2" = 1'-0"



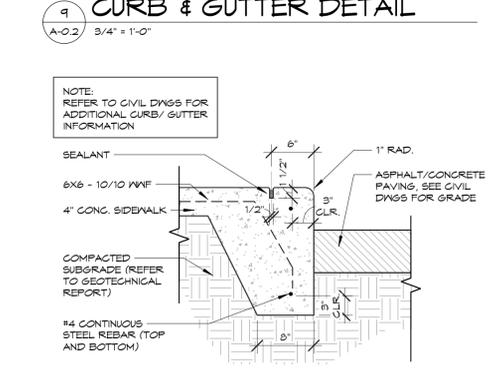
10 CURB RAMP DETAIL
A-0.2 1/4" = 1'-0"



9 CURB & GUTTER DETAIL
A-0.2 3/4" = 1'-0"

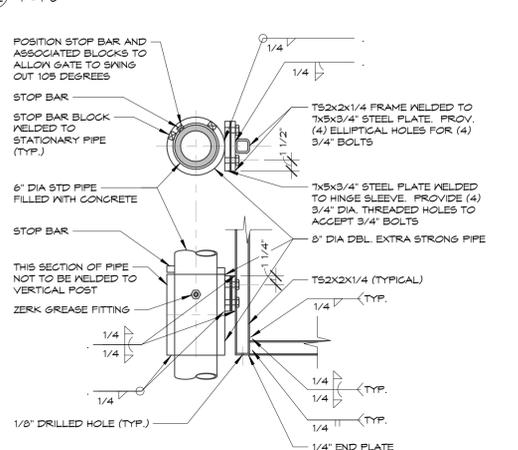


11 FLAG POLE BASE DET.
A-0.2 1/2" = 1'-0"

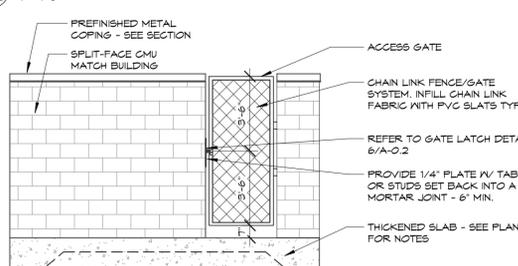


8 CURB & SIDEWALK DETAIL
A-0.2 1" = 1'-0"

6 GATE LATCH DETAIL
A-0.2 1" = 1'-0"



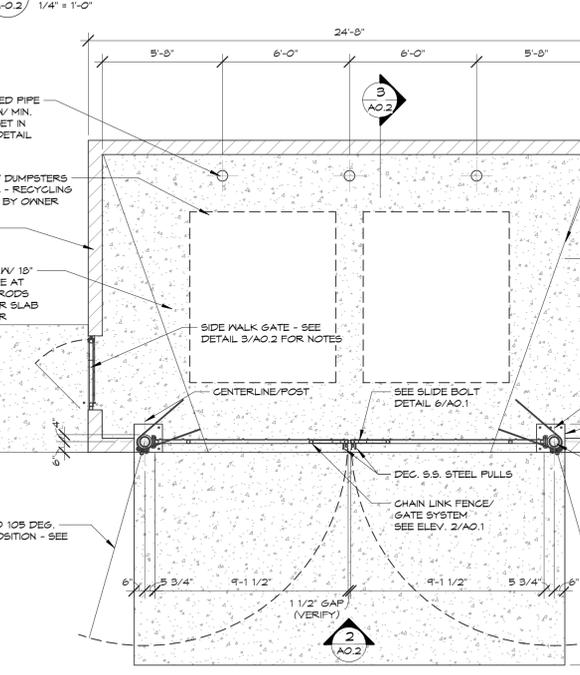
5 GATE HINGE DETAIL
A-0.2 1" = 1'-0"



4 DUMPSTER - SIDE ELEVATION
A-0.2 1/4" = 1'-0"

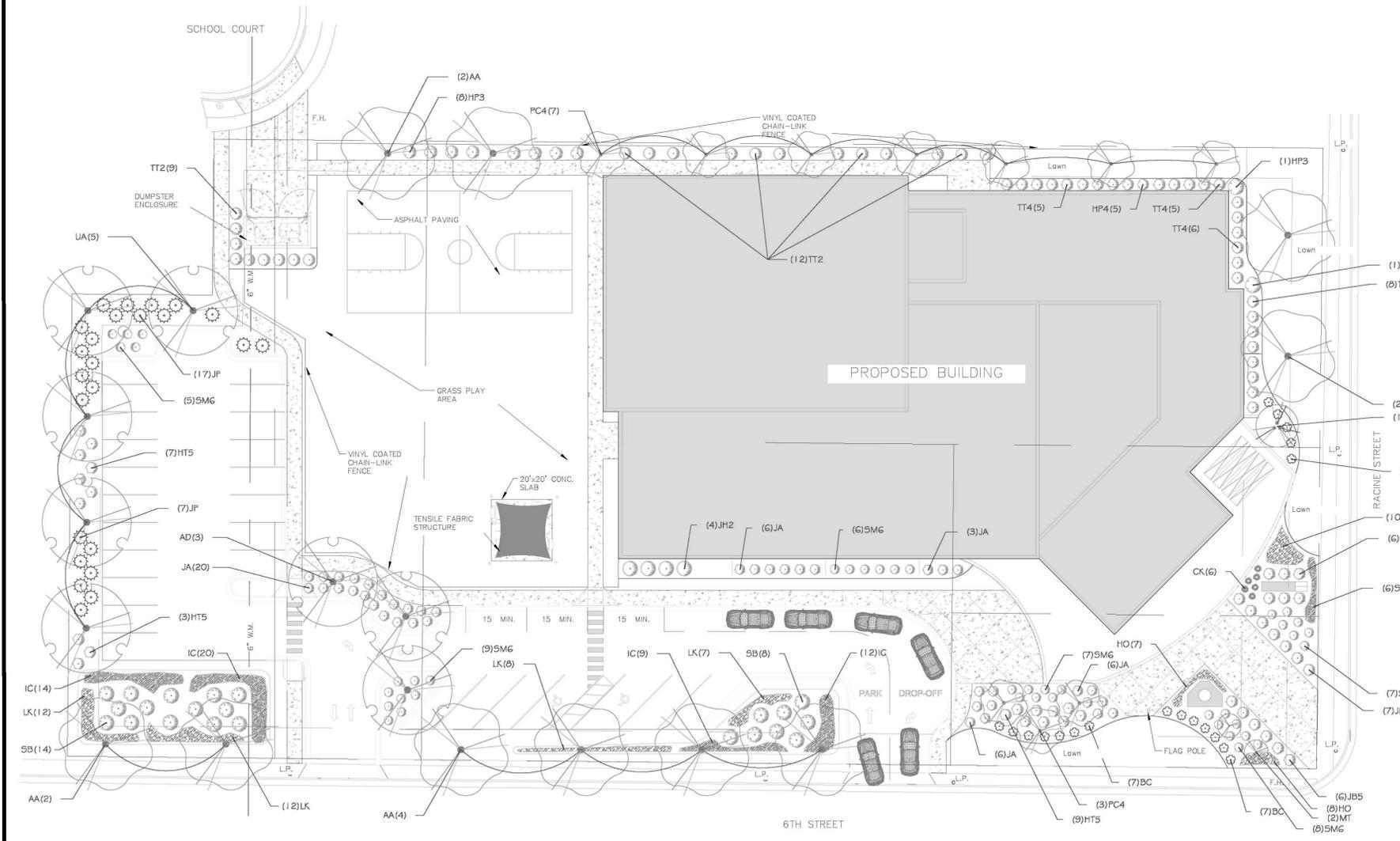


2 DUMPSTER - FRONT ELEVATION
A-0.2 1/4" = 1'-0"



1 DUMPSTER PLAN WITH SIDE GATE
A-0.2 1/4" = 1'-0"





- LANDSCAPE PLAN GENERAL NOTES:**
1. ALL PLANT MATERIAL SHALL BE A QUALITY CONSISTENT WITH STANDARDS OF AMERICAN ASSOCIATION OF NURSERYMEN (ANSI 260.1).
 2. ALL AREAS THAT ARE LANDSCAPED WITH BOULDERS, ROCK, AND/OR MULCH, SHALL HAVE A 3 OZ. NEED BARRIER FABRIC INSTALLED PRIOR TO FINISH LANDSCAPING MATERIAL BEING INSTALLED. REFER TO PLANS & SCHEDULE FOR FINISH LANDSCAPE MATERIAL TYPE.
 3. ALL LANDSCAPE SHRUB/PLANT BEDS SHALL BE EDGED WITH COMMERCIAL GRADE PLASTIC EDGING SYSTEM, TYPICAL.
 4. ALL LAWN AREAS TO BE SEEDED & MULCHED AS REQUIRED TO MINIMIZE SEED WASH-OUT. PROVIDE TOPSOIL AND FINISH GRADING AS REQUIRED.
 5. LANDSCAPING OF SITE AS SHOWN. FINAL SPECIES OF PLANTINGS TO BE APPROVED BY ARCHITECT/MUNICIPALITY IF REVISED BY LANDSCAPER.

PLANT SCHEDULE

TREES	COMMON NAME	BOTANICAL NAME	SIZE	QTY
AA	Autumn Blaze Maple	Acer freemanii 'Autumn Blaze'	2" b&b	10
AD	Deborah Maple	Acer platanoides 'Deborah'	2" b&b	3
AG	Autumn Brilliance Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	5-6" b&b	1
MT	Tina Crabapple	Malus x 'Tina'	2" b&b	2
PC4	Cleveland Select Pear	Pyrus calleryana 'Cleveland Select'	2" b&b	10
UA	Accolade Elm	Ulmus x 'Accolade'	2" b&b	5
SHRUBS	COMMON NAME	BOTANICAL NAME	SIZE	QTY
BC	Concord Barberry	Berberis thunbergii 'Concorde'	5 gal	19
HP4	Twist-n-Shout Hydrangea	Hydrangea macrophylla 'PiiHM-I'	5 gal	5
HP3	Pinky Winky Hydrangea	Hydrangea paniculata 'Pinky Winky'	5 gal	10
HT5	Tickled Pink Hydrangea	Hydrangea paniculata 'Tickled Pink'	5 gal	19
JH2	Hetzl Column Juniper	Juniperus chinensis 'Hetzl Columnans'	5 gal	4
(5)BC	Sea Green Juniper	Juniperus chinensis 'Sea Green'	5 gal	24
JA	Andorra Compact Juniper	Juniperus horizontalis 'Compacta'	3 gal	41
JB5	Broadmoor Juniper	Juniperus sabina 'Broadmoor'	5 gal	13
J5	Savin Juniper	Juniperus sabina 'Savin'	5 gal	6
SB	Black Lace Elderberry	Sambucus nigra 'Black Lace'	2 gal	22
SM6	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	3 gal	42
TT4	Tauton Yew	Taxus x media 'Tautoni'	3 gal	24
TT2	Techny Arborvitae	Thuja occidentalis 'Techny'	6-7" b&b	21
GRASSES	COMMON NAME	BOTANICAL NAME	SIZE	QTY
CK	Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 gal	6
PERENNIALS	COMMON NAME	BOTANICAL NAME	SIZE	QTY
HO	Stella de Oro Daylily	Hemerocallis x 'Stella de Oro'	1 gal	15
IC	Caesar's Brother Iris	Iris sibirica 'Caesar's Brother'	1 gal	55
LK	Kobold Liatris	Liatris spicata 'Kobold'	1 gal	39
RV	Little Suzy Black-Eyed Susan	Rudbeckia fulgida 'Viettes's Little Suzy'	1 gal	10
SC4	Cardonna Salvia	Salvia nemorosa 'Cardonna'	1 gal	6

NOTES:
 -All planting beds to be separated from lawn by Commercial Grade Cobra Edging
 -All planting beds to have shredded hardwood mulch
 -Rain Gardens to be covered with hardwood mulch



LANDSCAPE ARCHITECTURE
 DEVELOPMENT
 CONSTRUCTION
 AWARD WINNING DESIGN
 AND INSTALLATION

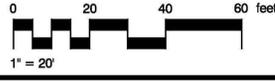
W2484 CTY RD KK
 APPLETON, WI 54915-9464
 PHONE 920-733-8223
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Boys & Girls Club - Menasha
 6th Street
 Menasha, WI 54952

DATE: 7/16/2014
REVISED:
PHONE NO. 000-000-0000
EMAIL: emailaddress@here.com
SCALE: 1" = 20'-0"
DRAWN BY: PCV
SHEET TITLE: Landscape Plan
SHEET NO. L-1
JOB # FILE NO.

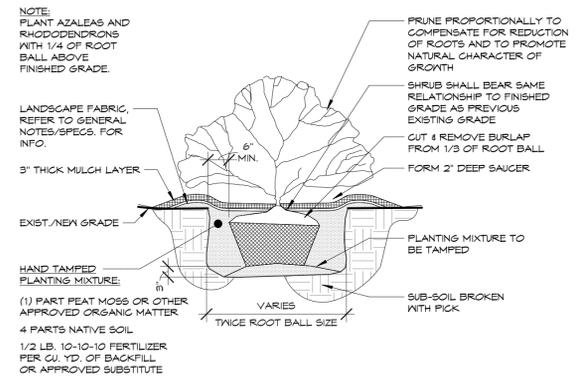


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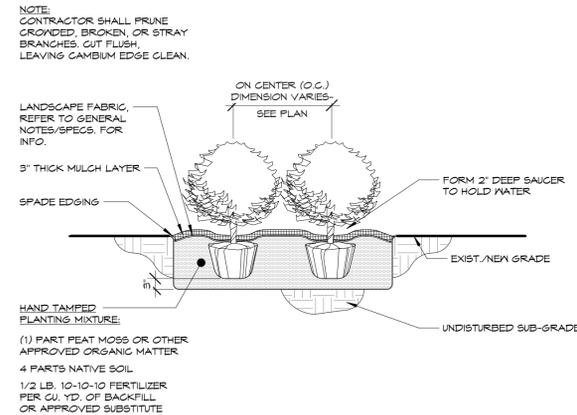
A NEW BUILDING FOR:
BOYS & GIRLS CLUB OF MENASHA
 MENASHA, WISCONSIN

LANDSCAPE PLAN GENERAL NOTES:

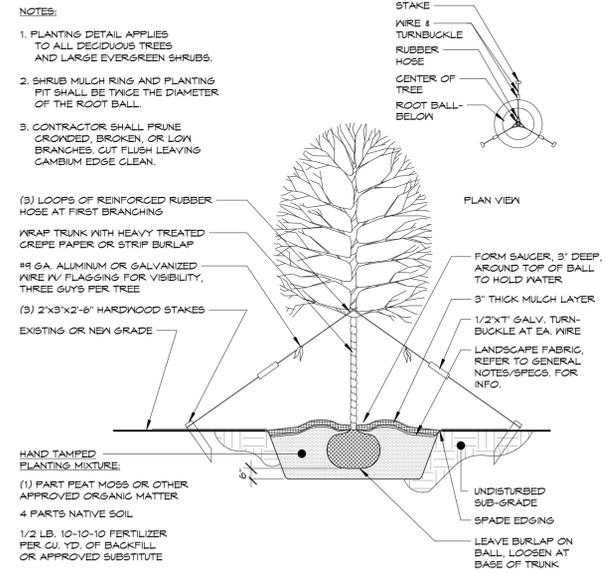
1. ALL PLANT MATERIAL SHALL BE A QUALITY CONSISTENT WITH STANDARDS OF AMERICAN ASSOCIATION OF NURSERYMEN (ANSI Z60.1).
2. ALL AREAS THAT ARE LANDSCAPED WITH BOULDERS, ROCK, AND/OR MULCH, SHALL HAVE A 3 OZ. WEED BARRIER FABRIC INSTALLED PRIOR TO FINISH LANDSCAPING MATERIAL BEING INSTALLED. REFER TO PLANS & SCHEDULE FOR FINISH LANDSCAPE MATERIAL TYPE.
3. ALL LANDSCAPE SHRUB/PLANT BEDS SHALL BE EDGED WITH COMMERCIAL GRADE PLASTIC EDGING SYSTEM, TYPICAL.
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5. LANDSCAPING OF SITE AS SHOWN. FINAL SPECIES OF PLANTINGS TO BE APPROVED BY ARCHITECT/MUNICIPALITY IF REVISED BY LANDSCAPER.



3 SHRUB INSTALLATION- BALL & BURLAP
L-0.2 1/2" = 1'-0"



2 SHRUB INSTALLATION- CONTAINER
L-0.2 1/2" = 1'-0"



1 TREE INSTALLATION DETAIL
L-0.2 1/4" = 1'-0"

GENERAL NOTES:

1. THE LANDSCAPE REQUIREMENTS OF GOVERNMENTAL AGENCIES, WHEN IN CONFLICT WITH INFORMATION SHOWN ON THESE PLANS, SHALL TAKE PRECEDENCE OVER ANY AND ALL SPECIFICATIONS AND GUIDELINES SET FORTH HEREIN.
2. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR PLANTING AND SHALL BE RESPONSIBLE FOR THEIR REPAIR OR PAY FOR ALL DAMAGES MADE TO UNDERGROUND UTILITIES.
3. ALL AREAS NOT COVERED BY BUILDING, PAVEMENTS OR OTHER PERMANENT CONSTRUCTION SHALL BE PLANTED, SEEDED AND/OR MULCHED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

PLANT MATERIALS:

1. PROVIDE PLANTS OF QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY SHOWN AND SCHEDULED AND IN CONFORMANCE WITH THE REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK". PLANTS SHALL HAVE BEEN GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE.
2. ALL PLANTS SHALL BE FULL, WELL-BRANCHED PLANTS CHARACTERISTIC OF THE SPECIES. PLANTS SHALL BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS, OR DISFIGUREMENT.
3. PLANT STOCK SHALL HAVE BEEN GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO CONDITIONS IN THE LOCALITY OF THE PROJECT.
4. LABEL AT LEAST ONE PLANT OF EACH KIND WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL AND COMMON NAME.
5. PROVIDE FRESHLY DUG BALLED & BURLAPPED PLANT MATERIALS. DO NOT DROP BALLED & BURLAPPED STOCK DURING DELIVERY.
6. DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME.

LAWN INSTALLATION:

1. LAWN AREAS SHALL BE PREPARED ACCORDING TO THE SECTION BELOW ENTITLED "SEEDBED PREPARATION".
2. LOCALLY-GROWN SOD SHALL BE PROVIDED IN AREAS WHERE SEEDING IS NORMALLY UNSUCCESSFUL OR WILL BE UNSUCCESSFUL DUE TO CLIMATE, SEASON, OR OTHER TEMPORARY CONSTRAINT. SOD SHALL BE STRONGLY ROOTED, FREE OF KEEPS, AND OF UNIFORM THICKNESS WITH NO MORE THAN 1.5 INCHES OR LESS THAN 1 INCH OF SOIL.
3. SOD SHALL BE TIGHTLY-FITTED TOGETHER. ENDS AND EDGES SHALL MEET WITHOUT OVERLAP AND JOINTS SHALL BE STAGGERED WITH ADJACENT ROWS. AFTER INSTALLATION, SOD SHALL BE THOROUGHLY WATERED. ON SLOPES STEEPER THAN 2:1, SOD SHALL BE HELD IN PLACE WITH WOODEN STAKES MEASURING 1 INCH SQUARE BY 6 INCHES LONG. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF THE SOD'S SOIL LAYER.
4. PROVIDE GRASS SEED THAT IS FRESH, CLEAN, NON-CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY OFFICIAL SEED ANALYSTS OF NORTH AMERICA. PROVIDE SEED TYPE OR SEED MIX WITH BEST RECORD OF SUCCESS IN LOCALITY OF PROJECT.
5. APPLY SEED AT THE APPROPRIATE RATE FOR ESTABLISHING A NEW LAWN. SOW SEED USING A SPREADER OR SEEDING MACHINE. DISTRIBUTE SEED EVENLY OVER ENTIRE AREA BY SOWING EQUAL QUANTITY IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER. RAKE SEED LIGHTLY INTO TOP 1/8-INCH OF SOIL, ROLL LIGHTLY, AND WATER WITH A FINE SPRAY.
6. PROTECT ALL SEEDED AREAS AGAINST EROSION BY SPREADING A CLEAN, SEED-FREE SALT HAY OR THRESHED STRAW OF WHEAT, RYE, OATS, OR BARLEY. SPREAD UNIFORMLY TO FORM A CONTINUOUS BLANKET NOT LESS THAN 1.5 INCHES LOOSE MEASUREMENT OVER SEEDED AREA. MULCH SHALL BE HELD IN PLACE WITH AN APPROVED PRODUCT FROM THE "EROSION CONTROL PRODUCT ACCEPTABILITY LIST, OR GRIMPING OF THE STRAW IN PLACE PER STANDARD 1095.
7. TREATMENTS SUCH AS JUTE MESH, EXCELSEOR MATTING, OR FIBERGLASS ROVING SHALL BE USED TO STABILIZE DITCHES OR STEEP SLOPES SUSCEPTIBLE TO EROSION. THE TREATMENT SHALL BE INSTALLED PRIOR TO THE MULCHING OPERATION.

INSTALLATION OF PLANT MATERIALS:

1. INSTALL TREES AND SHRUBS ACCORDING TO STANDARD DETAILS SHOWN ON THE PLAN.
2. ALL TREE SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
3. ALL TREE SAUCERS AND SHRUB BEDS SHALL BE MULCHED WITH A 3-INCH LAYER OF ORGANIC MULCH SUCH AS PINE STRAW, SHREDDED HARDWOOD, OR LICORICE ROOT. NON-ORGANIC MULCHES SUCH AS GRAVEL, CRUSHED BRICK, LAVA ROCK, ETC. ARE UNACCEPTABLE.
4. TREE GUYING SHALL BE REMOVED AFTER ONE FULL GROWING SEASON.
5. APPLY 12 CUBIC FEET OF PEAT MOSS PER 100 SQUARE FEET AND 20 POUNDS OF 0-0-0 FERTILIZER PER 100 SQUARE FEET OF GROUND COVER PLANTING BEDS. ROTOTILL THE BEDS TO A DEPTH OF 6 INCHES AND SMOOTH TO AN EVEN AND UNIFORM SURFACE. PLANT GROUND COVER MATERIALS, APPLY 2 INCHES OF ORGANIC MULCH, AND WATER.

MAINTENANCE & WARRANTY:

1. MAINTENANCE OF PLANT MATERIALS AND LAWN AREAS SHALL BEGIN IMMEDIATELY AFTER INSTALLATION AND SHALL CONTINUE UNTIL FINAL ACCEPTANCE, BUT IN NO CASE, LESS THAN THE FOLLOWING STATED PERIODS:
PLANT MATERIALS: 90 DAYS AFTER SUBSTANTIAL COMPLETION
LAWN AREAS: 60 DAYS AFTER SUBSTANTIAL COMPLETION
2. AFTER REQUIRED MAINTENANCE PERIOD, THE OWNER, UPON REQUEST, WILL MAKE AN INSPECTION TO DETERMINE ACCEPTABILITY. UNACCEPTABLE WORK SHALL BE REPAIRED OR REPLACED AND REINSPECTED BEFORE FINAL ACCEPTANCE IS GRANTED.
3. A WRITTEN WARRANTY SHALL BE PROVIDED TO THE OWNER GUARANTEEING THAT ALL PLANT MATERIALS, SOD, AND/OR SEEDED AREAS WILL BE THRIVING FOR THE FOLLOWING STATED PERIODS:
TREES, SHRUBS, AND GROUND COVERS: ONE YEAR AFTER FINAL ACCEPTANCE
SOD AND SEEDED AREAS: 90 DAYS AFTER FINAL ACCEPTANCE
PERENNIALS: 90 DAYS AFTER FINAL ACCEPTANCE
4. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH WRITTEN INSTRUCTIONS REGARDING MAINTENANCE OF EACH TYPE OF VEGETATION. THE OWNER IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE MATERIALS DURING THE WARRANTY PERIOD AS OUTLINED IN THE MAINTENANCE INSTRUCTIONS. THE CONTRACTOR SHALL MAKE PERIODIC INSPECTIONS OF THE SITE AND WILL INFORM THE OWNER OF ANY LACK OF PROPER MAINTENANCE IN WRITING. OWNER'S FAILURE TO COMPLY WITH THE MAINTENANCE PROGRAM SHALL RENDER THE WARRANTY NULL AND VOID.
5. THE CONTRACTOR IS NOT RESPONSIBLE FOR ACTS OF NATURE INCLUDING AB-NORMAL WEATHER CONDITIONS, EROSION, VANDALISM, NOR DAMAGES BY OTHERS. IF ANY CONDITIONS BEYOND THE CONTROL OF THE CONTRACTOR SHOULD OCCUR, THE MATERIALS AFFECTED WILL NO LONGER BE COVERED BY THE WARRANTY.

SEEDBED PREPARATION:

1. ALL DISTURBED AREAS SHALL BE DRESSED TO THE TYPICAL SECTIONS AND/OR GRADES SHOWN AND FLOVED TO A DEPTH OF 8 INCHES. THE TOP 2 INCHES SHALL BE PULVERIZED TO PROVIDE A UNIFORM SEEDBED. (NOTE: LIME SHALL BE APPLIED BEFORE PLOWING OPERATION.)
2. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER DEBRIS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM. SOIL LEVEL SHALL BE APPROXIMATELY 1 INCH BELOW ALL TOPS OF CURBS AND WALKWAYS.
3. APPLY LIME AND FERTILIZER WITH NECESSARY EQUIPMENT TO ENSURE UNIFORM DISTRIBUTION OF THE MATERIALS. THE HAND/BUCKET METHOD IS NOT ACCEPTABLE. THE RATES AND TYPES OF MATERIALS TO BE APPLIED ARE AS FOLLOWS:
TURFGRADE FERTILIZER WITH SLOW RELEASE NITROGEN (E.G. 10-24-10)
- RATE THAT WILL PROVIDE 5 LBS. OF PHOSPHORUS PER 1000 SQUARE FEET
75 LBS. PER 1000 SQUARE FEET
LIMESTONE - (LIMESTONE MAY BE WAIVED IF EXISTING PH IS GREATER THAN 5.5.)
4. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING. IF SOIL IS DRY, ALLOW SURFACE MOISTURE TO DRY BEFORE PLANTING LAWNS. DO NOT CREATE A MUDDY SOIL CONDITION.

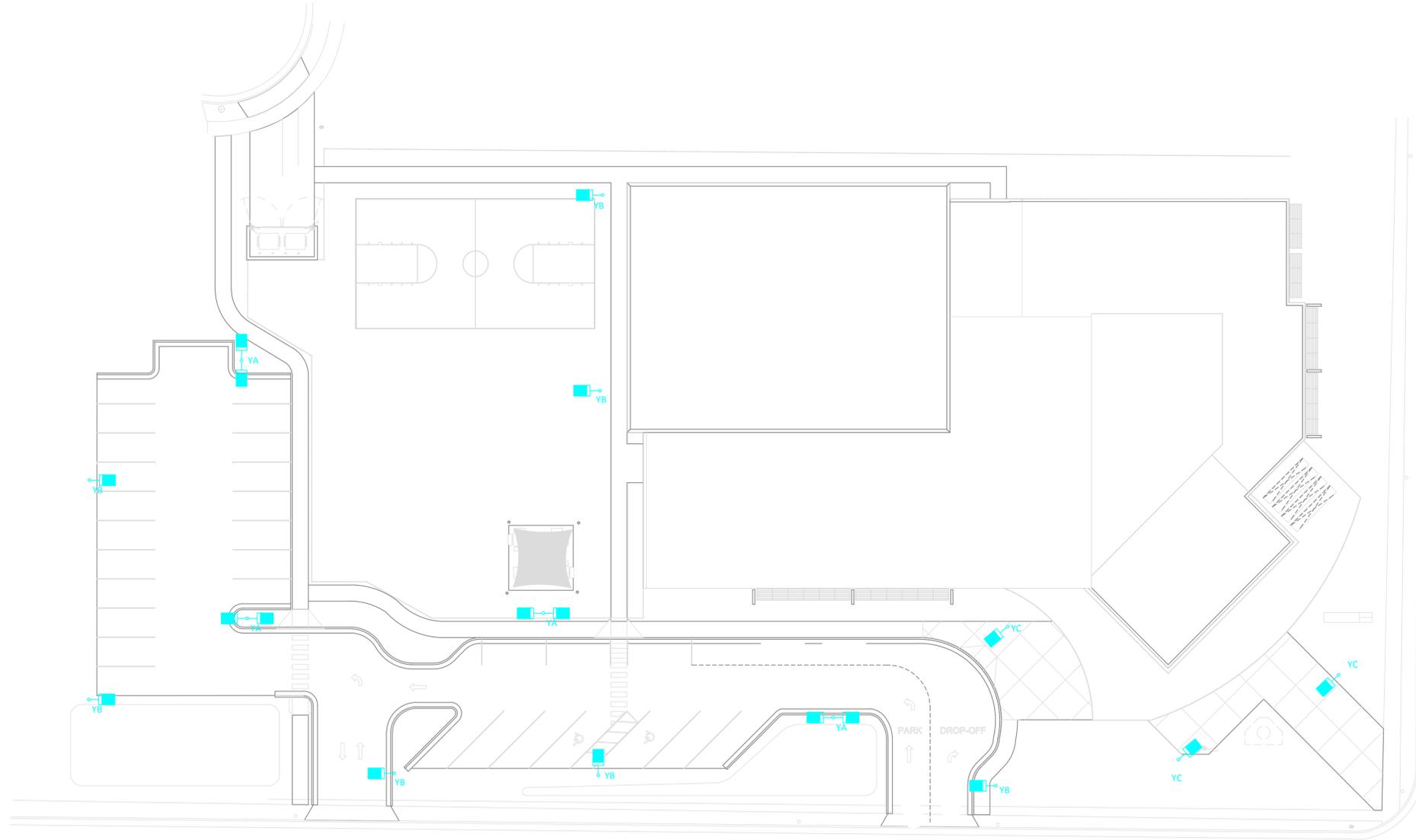


A NEW BUILDING FOR:
BOYS & GIRLS CLUB OF MENASHA
MENASHA, WISCONSIN

date: 07/16/2014
job: 14-009
d. by: SMB
rev.:

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LUMINAIRE SCHEDULE										
QTY	TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP	VOLTAGE	INPUT WATTS	MOUNTING	NOTES
4	YA		TWIN AT 180, ARM MOUNTED ON 17' POLE	LUMINIS	(2) W766-XM950-M150-277-BZT / (1) PAA417 / (2) EC3P180-BZT	(2) 150W MH/ED17	277V 1P 2W	376	POLE	1
7	YB		POSTTOP MOUNTED 17' POLE LIGHT, SINGLE	LUMINIS	W766-XM950-M150-277-BZT / PAA417-BZT	(1) 150W MH/ED17	277V 1P 2W	188	POLE	1
3	YC		WALKWAY POSTTOP MOUNTED SINGLE ON 10' POLE	LUMINIS	W766-XM950-M100-277-BZT/PAA410-BZT	(1) 100W MH/ED17	277V 1P 2W	122	POLE	2

NOTES:
 1. FINISH COLOR BRONZE. MOUNT ON 24" ABOVE FINISH GRADE BASE.
 2. FINISH COLOR BRONZE. MOUNT ON 6" ABOVE FINISH GRADE BASE.

Boy's and Girl's Club
 Menasha, WI
 New Building Site
 Lighting Plan

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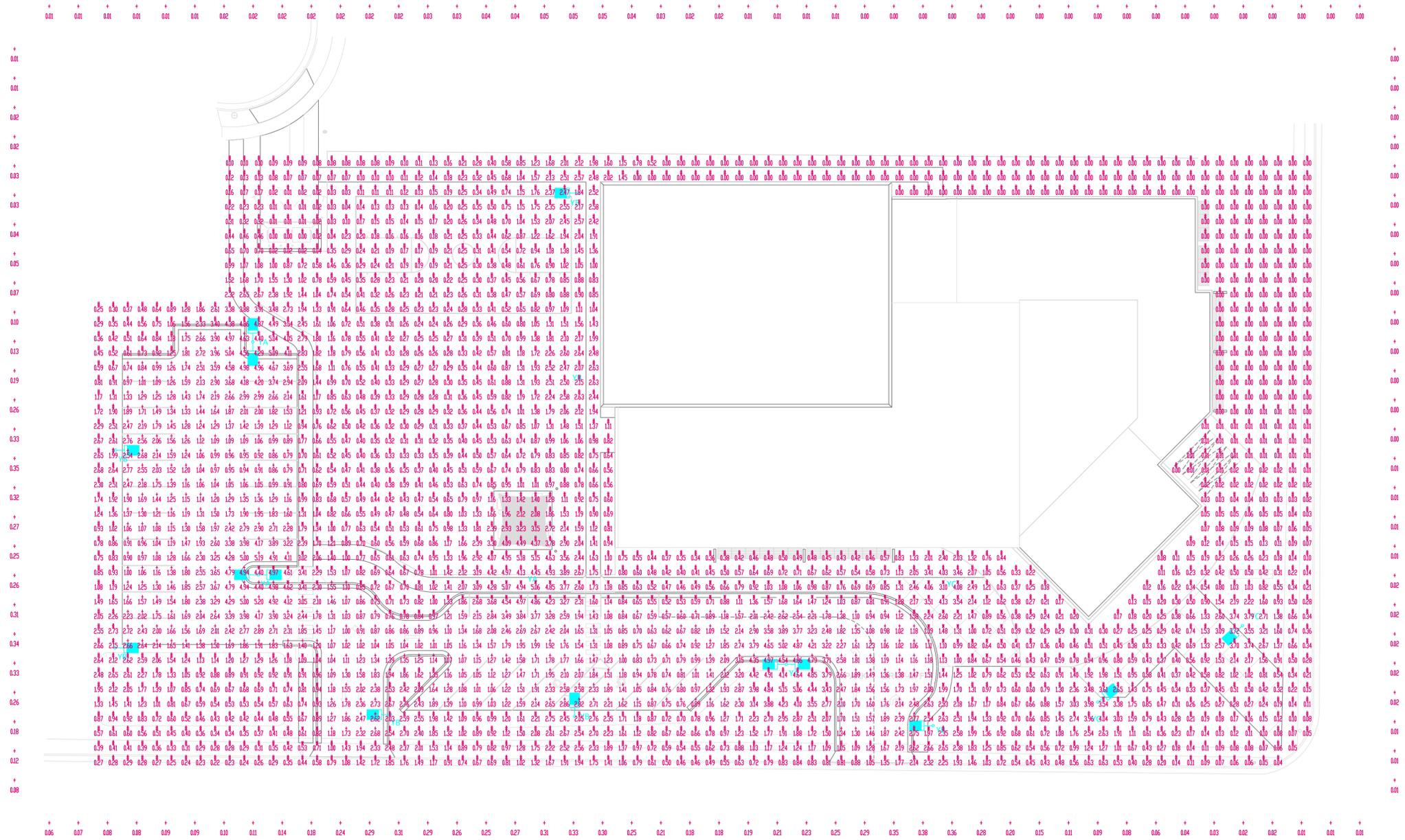
DATE	NO.	REVISIONS:
07/16/2014	A	Site Plan Review Submittal

PROJECT NUMBER
1408791

DRAWN BY: JAM
 CHECKED BY: NEK
 APPROVED BY: _____
 DATE: 07/14/2014
 SCALE: 1" = 20'-0"

SHEET
ES-101

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1 PHOTOMETRIC LIGHTING PLAN
Scale: 1" = 20'-0"

CALCULATION SUMMARY (AT GRADE, ASSUMES A FLAT GRADE)										
AREA NAME	DIMENSIONS	GRID / TYPE	# PTS	SPACING	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
New Area	453.90x259.20Ft	Property / H-H	537	5.00	<+> parking	1.89	5.20	0.57	9.19	3.35
			177	5.00	<+> sidewalk	1.67	5.09	0.41	12.36	4.05
		Perimeter / H-P	1691	5.00	<+> other	0.86	5.18	0.00	N/A	N/A
			144	10.00	<+> lt. trespass	0.09	0.38	0.00	N/A	N/A

CALCULATION LUMINAIRE SCHEDULE							
TYPE	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
YA		LUMINIS INC. (2) "W150" W766-M150	(2) MH 150W/U/PS/740 VEN	14000	17' POLE 2' BASE	0.75	4
YB		LUMINIS INC. (1) "W150" W766-M150	(1) MH 150W/U/PS/740 VEN	14000	17' POLE 2' BASE	0.75	7
YC		LUMINIS INC. (1) "W100" W766-M100	(1) MH 100W/U/PS VENTURE	9000	10' POLE 6" BASE	0.65	3



Boy's and Girl's Club
Menasha, WI
New Building Site
Photometric Lighting Plan

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NO.	REVISIONS:
A	Site Plan Review Submittal

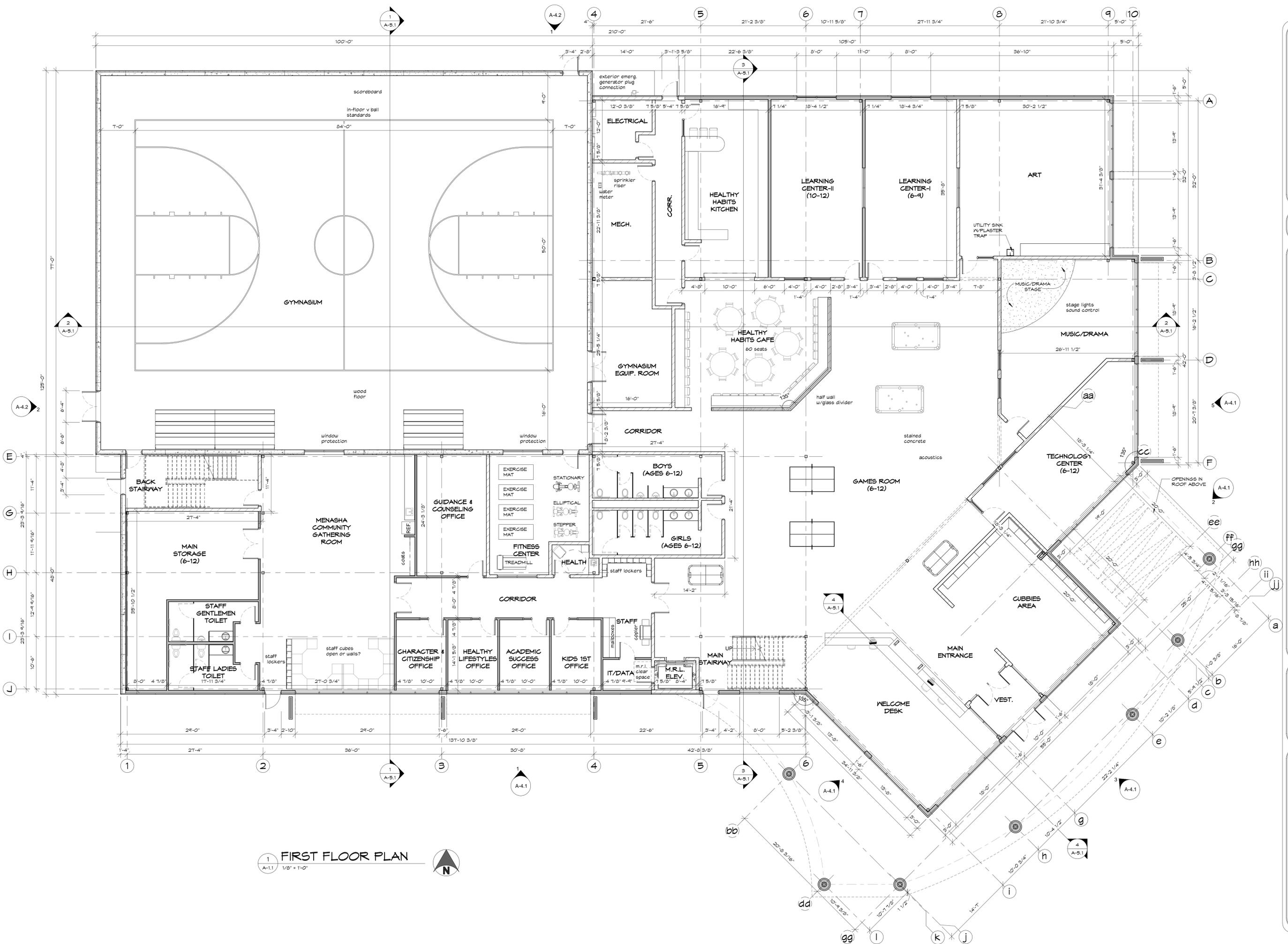
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DATE: 07/14/2014
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SHEET
ES-101P

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1 FIRST FLOOR PLAN
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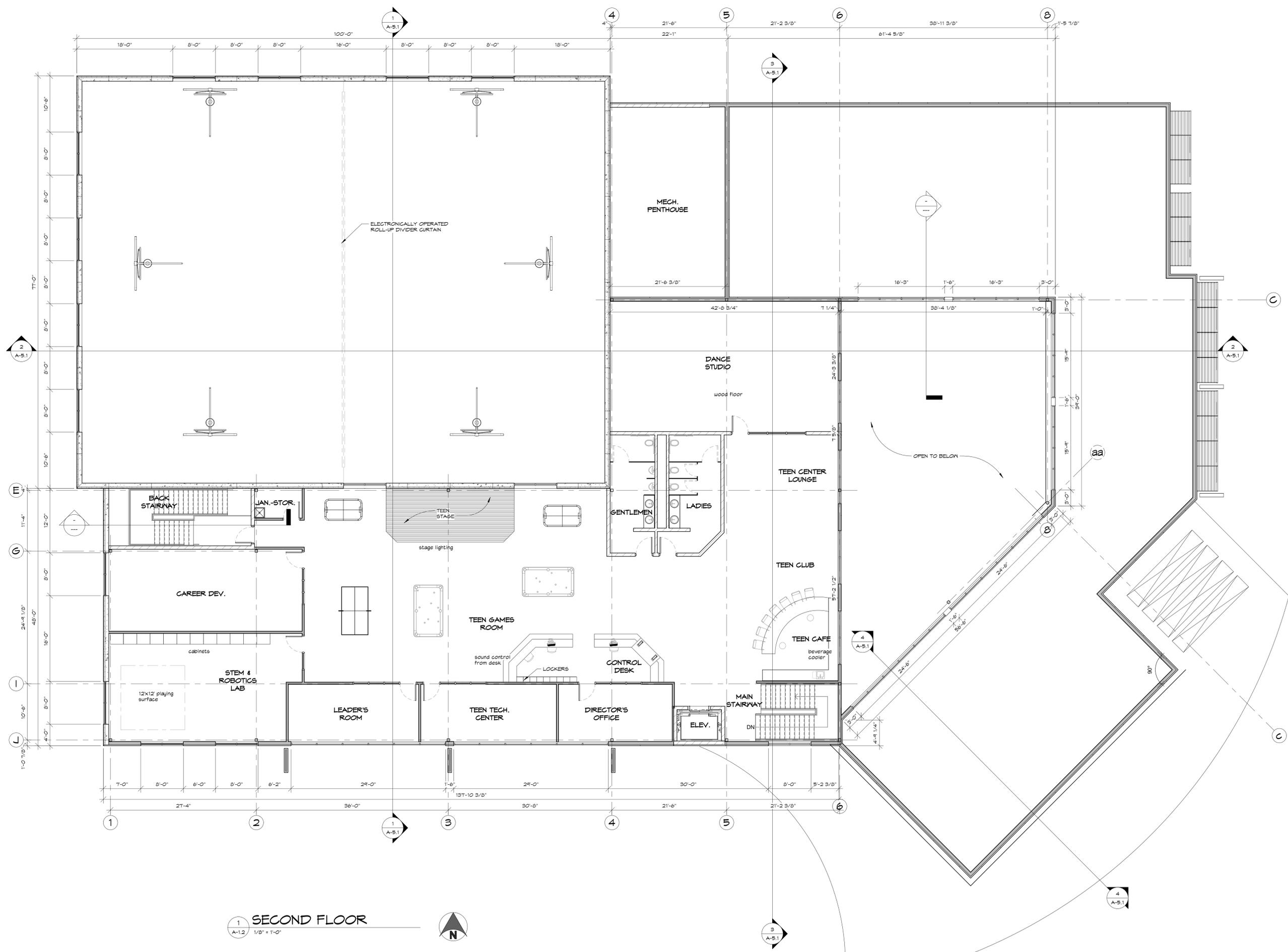
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A NEW BUILDING FOR:
BOYS & GIRLS CLUB OF MENASHA
 MENASHA, WISCONSIN

date: 07/16/2014
 job: 14-009
 d. by: SS, LCF, SB, MJB
 rev.:

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1
A-1.2
1/8" = 1'-0"

SECOND FLOOR

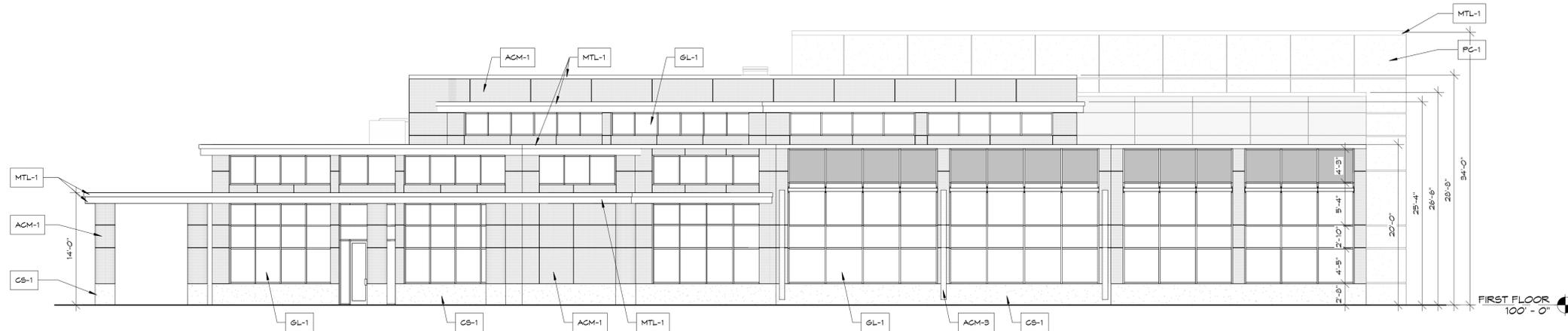


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A NEW BUILDING FOR:
BOYS & GIRLS CLUB OF MENASHA
 MENASHA, WISCONSIN

date: 07/16/2014
 job: 14-009
 d. by: SS, LCF
 rev.:

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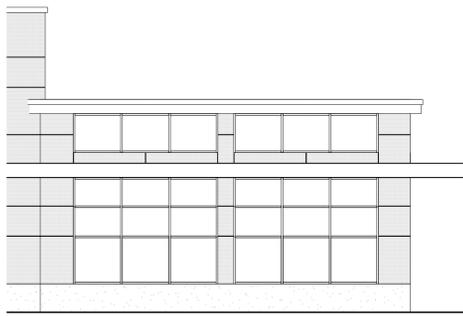


5 EAST ELEVATION
A-4.1 1/8" = 1'-0"

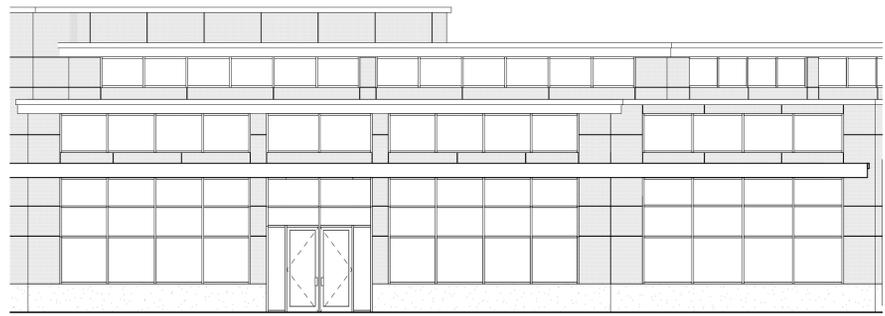
NOTE:
PREP EXPOSED CONCRETE AND APPLY CEMENTITIOUS COATING ON ALL EXPOSED CONCRETE WALLS.

CURTAIN WALL/STOREFRONT NOTE:
PROVIDE PREFINISHED ALUMINUM SLIP HEAD TO MATCH ALUMINUM STOREFRONT, CURTAIN WALL SYSTEM.
PROVIDE PREFINISHED EXTRUDED ALUMINUM-THERMALLY BROKEN SILL FLASHING WITH END DAMS. INSTALL WITH A POSITIVE SLOPE AWAY FROM INTERIOR AND SET IN SEALANT AND INSTALL PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
PROVIDE ALL SHIMS, SEALANT & BACKER ROD PER MANUFACTURER'S SPECIFICATIONS.

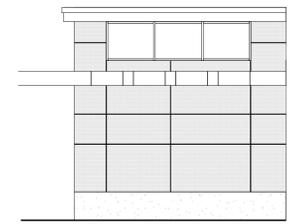
KEY NOTE		MATERIAL SUMMARY	
ACM-1	ALUMINUM COMPOSITE PANEL: MANUFACTURER: ALCOA OR EQUAL STYLE: 4MM THICK BONDED METAL PANEL W/ NON RADIUS 90° BEND. RAIN-SCREEN TYPE JOINTS: TO BE 1/2" TESTED DRY SYSTEM WITH EXTRUSIONS TO MATCH PANELS (RAIN SCREEN SYSTEM) COLOR: PURE WHITE LOCATION: EXTERIOR	ACM-2	ALUMINUM COMPOSITE PANEL: MANUFACTURER: ALCOA OR EQUAL STYLE: 4MM THICK BONDED METAL PANEL W/ NON RADIUS 90° BEND. RAIN-SCREEN TYPE JOINTS: TO BE 1/2" TESTED DRY SYSTEM WITH EXTRUSIONS TO MATCH PANELS (RAIN SCREEN SYSTEM) COLOR: BRIGHT SILVER METALLIC LOCATION: EXTERIOR
ACM-3	ALUMINUM COMPOSITE PANEL: MANUFACTURER: ALCOA OR EQUAL STYLE: 4MM THICK BONDED METAL PANEL W/ NON RADIUS 90° BEND. RAIN-SCREEN TYPE JOINTS: TO BE 1/2" TESTED DRY SYSTEM WITH EXTRUSIONS TO MATCH PANELS (RAIN SCREEN SYSTEM) COLOR: YELLOW LOCATION: EXTERIOR	CS-1	CAST STONE PANEL: MANUFACTURER: TBD COLOR: WHITE LOCATION: EXTERIOR
GL-1	EXTERIOR CURTAIN WALL/STOREFRONT: STYLE: 1" DOUBLE GLAZED, TEMPERED, PPG SOLARBAN 60, SOLARBALUE. PROVIDE PREFINISHED EXTRUDED ALUMINUM - THERMALLY BROKEN SILL FLASHING WITH END DAMS, ON SHIM COLOR: CLEAR ANODIZED ALUMINUM LOCATION: EXTERIOR GLAZING LOCATIONS NOTE: REFER TO DOOR AND FRAME DETAILS FOR ADDITIONAL INFORMATION	GL-2	EXTERIOR CURTAIN WALL/STOREFRONT: STYLE: 1" DOUBLE GLAZED, TEMPERED, SPANDREL GLASS. PROVIDE PREFINISHED EXTRUDED ALUMINUM - THERMALLY BROKEN SILL FLASHING WITH END DAMS, ON SHIM COLOR: CLEAR ANODIZED ALUMINUM LOCATION: EXTERIOR GLAZING LOCATIONS NOTE: REFER TO DOOR AND FRAME DETAILS FOR ADDITIONAL INFORMATION
HMD-1	INSULATED HOLLOW METAL DOOR COLOR: PAINTED TO MATCH ADJACENT EXTERIOR WALL COLOR NOTES: PROVIDE INSULATED VISION GLASS AS INDICATED. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION	MTL-1	FORMED METAL COPING: MANUFACTURER: PAC-CLAD OR UNI-CLAD STYLE: PREFINISHED METAL COPING COLOR: TO MATCH ADJACENT WALL LOCATION: PARAPET CAP
PC-1	INSULATED PRECAST CONCRETE PANEL: MANUFACTURER: SPANCRETE OR EQUAL FINISH: WHITE CONCRETE WITH SANDBLAST TEXTURE LOCATION: EXTERIOR		



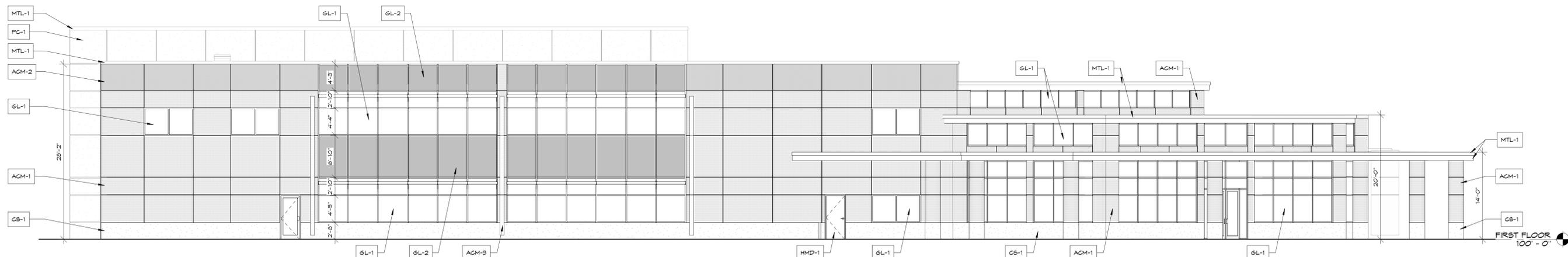
4 SOUTHWEST ENTRY
A-4.1 1/8" = 1'-0"



3 FRONT ENTRY
A-4.1 1/8" = 1'-0"



2 NORTHEAST ENTRY
A-4.1 1/8" = 1'-0"



1 SOUTH ELEVATION
A-4.1 1/8" = 1'-0"

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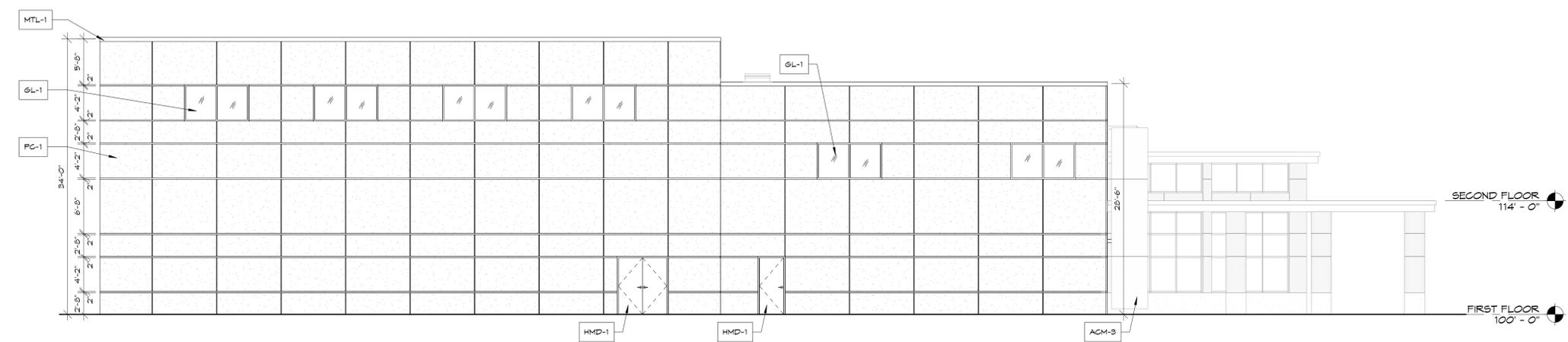
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d. by: SS, LCF, MJB
rev.:

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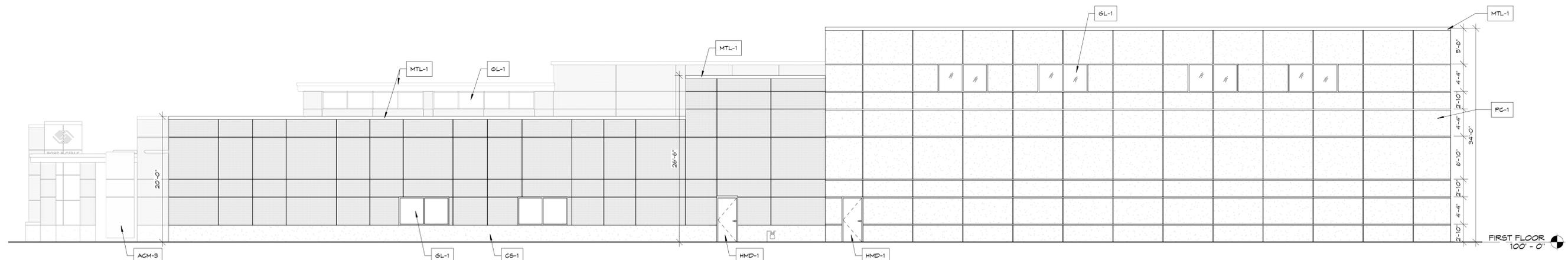
NOTE:
PREP EXPOSED CONCRETE AND APPLY CEMENTITIOUS COATING ON ALL EXPOSED CONCRETE WALLS.

CURTAIN WALL/STOREFRONT NOTE:
PROVIDE PREFINISHED ALUMINUM SLP HEAD TO MATCH ALUMINUM STOREFRONT, CURTAIN WALL SYSTEM.
PROVIDE PREFINISHED EXTRUDED ALUMINUM-THERMALLY BROKEN SILL FLASHING WITH END DAMS. INSTALL WITH A POSITIVE SLOPE AWAY FROM INTERIOR AND SET IN SEALANT AND INSTALL PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
PROVIDE ALL SHIMS, SEALANT & BACKER ROD PER MANUFACTURER'S SPECIFICATIONS.

KEY NOTE	MATERIAL SUMMARY
ACM-1	ALUMINUM COMPOSITE PANEL: MANUFACTURER: ALCOA OR EQUAL STYLE: 4MM THICK BONDED METAL PANEL W/ NON RADIUS 90° BEND. RAIN-SCREEN TYPE JOINTS: TO BE 1/2" TESTED DRY SYSTEM WITH EXTRUSIONS TO MATCH PANELS (RAIN SCREEN SYSTEM) COLOR: PURE WHITE LOCATION: EXTERIOR
ACM-2	ALUMINUM COMPOSITE PANEL: MANUFACTURER: ALCOA OR EQUAL STYLE: 4MM THICK BONDED METAL PANEL W/ NON RADIUS 90° BEND. RAIN-SCREEN TYPE JOINTS: TO BE 1/2" TESTED DRY SYSTEM WITH EXTRUSIONS TO MATCH PANELS (RAIN SCREEN SYSTEM) COLOR: BRIGHT SILVER METALLIC LOCATION: EXTERIOR
ACM-3	ALUMINUM COMPOSITE PANEL: MANUFACTURER: ALCOA OR EQUAL STYLE: 4MM THICK BONDED METAL PANEL W/ NON RADIUS 90° BEND. RAIN-SCREEN TYPE JOINTS: TO BE 1/2" TESTED DRY SYSTEM WITH EXTRUSIONS TO MATCH PANELS (RAIN SCREEN SYSTEM) COLOR: YELLOW LOCATION: EXTERIOR
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2 WEST ELEVATION
A-4.2 1/8" = 1'-0"



1 NORTH ELEVATION
A-4.2 1/8" = 1'-0"

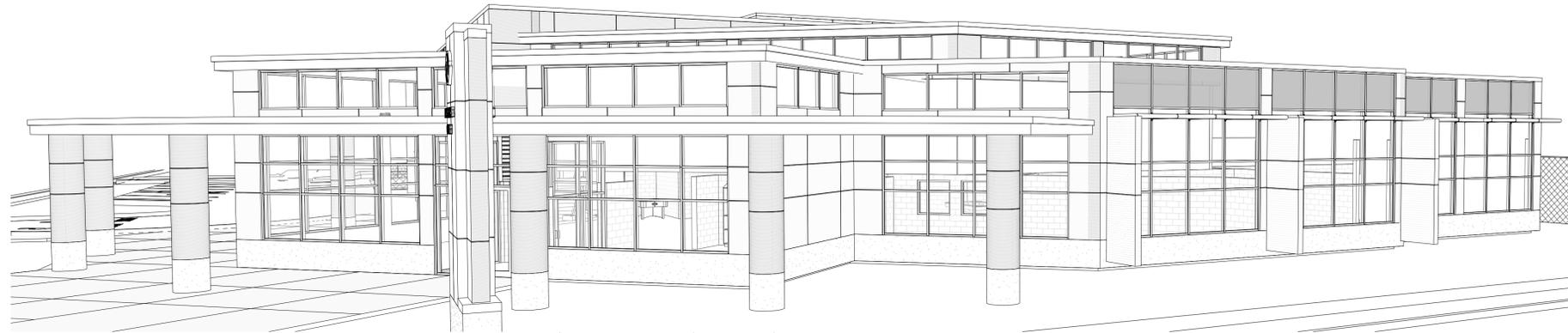
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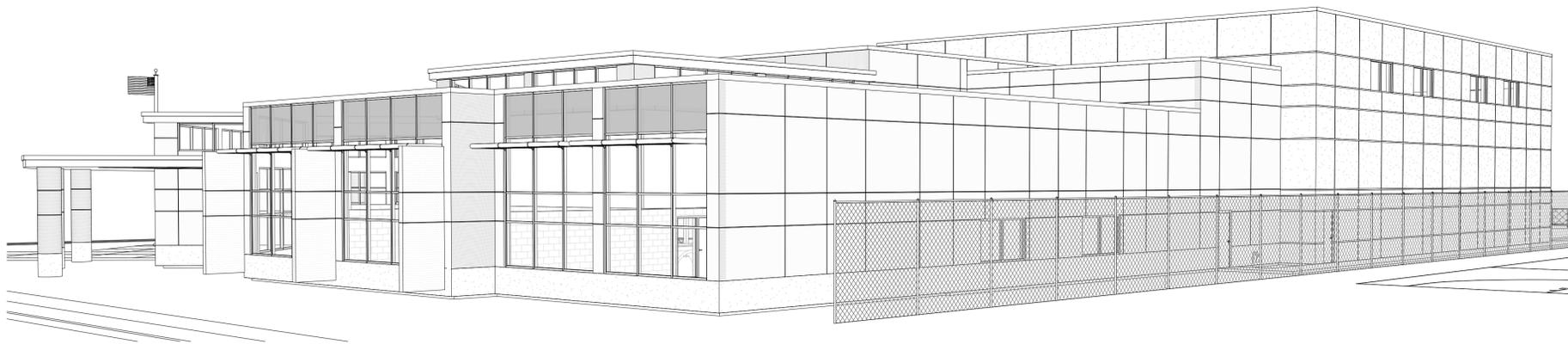
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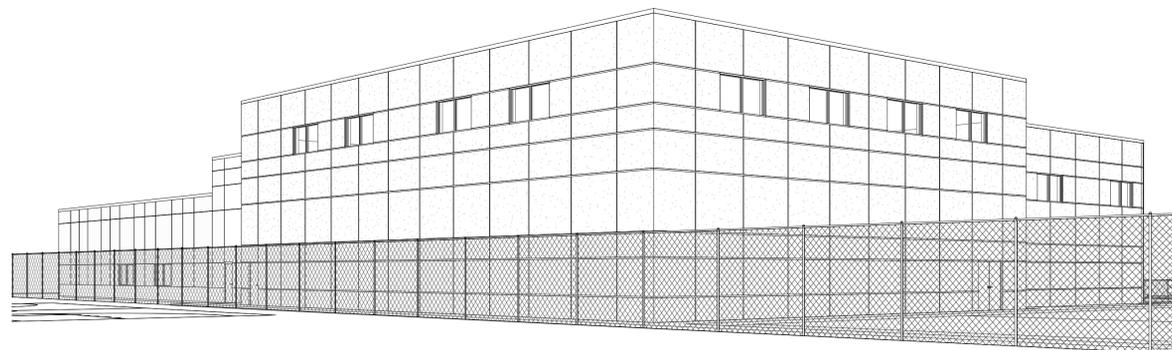
1 3D View- Towards Southeast Corner
A-4.3



2 3D View- Towards Southwest Corner
A-4.3



3 3D View- Towards Northeast Corner
A-4.3



4 3D View- Towards Northwest Corner
A-4.3

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