

ABBREVIATIONS AND EXISTING LEGEND

ACCEL	ACCELERATION	H.C.	HANDICAP	SPOT ELEVATION	PAY TELEPHONE
ADJ	ADJACENT	HORZ	HORIZONTAL	FO	FIBER OPTICS
ALT	ALTERNATE	ID	INSIDE DIA	G	GAS
APPROX	APPROXIMATE	INV	INVERT	E	ELECTRIC
ARCH	ARCHITECTURAL	M.H.	MANHOLE	T	TELEPHONE
BEG	BEGINNING	MAX	MAXIMUM	W	WATER
BLDG	BUILDING	MEDH	MECHANICAL	SAN	SANITARY SEWER
CAL	CALLER	M.E.G.	MATCH EXISTING GRADE	STM	STORM SEWER
CIP	CAST IN PLACE	MIN	MINIMUM	CS	COMBINED SEWER
C	CENTERLINE	N/A	NOT APPLICABLE	TR	TRANSFORMER
CMU	CONC MASONRY UNIT	O.C.	ON CENTER	UV	UNDERGROUND
CONC	CONCRETE	OD	OUTSIDE DIA	OVH	OVERHEAD
CJ	CONTROL JOINT	PERP	PERPENDICULAR	CB	CONCRETE BUMPER
C.D.	CLEAN OUT	P.O.B.	POINT OF BEG	DI	DRAINAGE M.H.
DECL	DECLARATION	PVC	POLYVINYL CHLORIDE	SI	SANITARY M.H.
DEMO	DEMOLITION	P.V.M.T.	PAVEMENT	CI	CURB INLET
DIA	DIAMETER	R	RADIUS	RI	ROUND INLET (24" TYP)
DS	DOWNSPOUT	REF	REFERENCE	SI	SQUARE INLET (24" TYP)
ELEV	ELEVATION	RCP	REINFORCED CONCRETE PIPE	CL	CLEAN OUT
ELEC	ELECTRICAL	REQD	REQUIRED	TS	TRAFFIC SIGNAL M.H.
EQ	EQUAL DISTANCE	ROW	RIGHT OF WAY	TR	TRAFFIC SIGNAL TYPICAL
EX	EXISTING	SL	SANITARY	DOOR	DOOR
EJ	EXPANSION JOINT	SLOPP	SMOOTH LINED CORRUGATED PLASTIC PIPE	FLG	FLAG POLE
FFW	FACE OF WALL	SPCS	SPECIFICATIONS		
FFE	FINISH FLOOR ELEV	SQ	SQUARE		
FT	FOOT	STA	STATION		
GUTTER	FLOWLINE ELEV	STM	STORM SEWER		
HT	HEIGHT	TYP	TYPICAL		
HDPE	HIGH DENSITY POLYETHYLENE	VIF	VERIFY IN FIELD		

DEMOLITION LEGEND

- ◊ REMOVE EXISTING CONCRETE
- ◊ REMOVE EXISTING PAVEMENT
- ◊ REMOVE EXISTING END SECTION
- ◊ REMOVE EXISTING CONCRETE CHANNEL

DEMOLITION NOTES

1. ALL EXISTING BUILDINGS AND ALL ASSOCIATED UTILITIES WITHIN THE BUILDING, BUILDING SLAB AND FOUNDATION SHALL BE DEMOLISHED AND REMOVED FROM THE SITE. IF HAZARDOUS OR CONTAMINATED MATERIALS ARE FOUND, CONTRACTOR TO CONFORM TO ALL APPLICABLE REGULATORY PROCEDURES AND NOTIFY A CONTAMINATED MATERIAL REMOVAL CONTRACTOR.
2. DRAIN, PURGE OR OTHERWISE REMOVE, COLLECT AND LEGALLY DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES OR OTHER HAZARDOUS MATERIALS AND WASTE BEFORE PROCEEDING WITH DEMOLITION OPERATIONS.
3. CONTRACTOR SHALL NOTIFY BUILDING INSPECTOR FOR DEMOLITION PROCEDURES. CONTRACTOR TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
4. CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL REQUIRED PERMITS, INCLUDING DEMOLITION AND REMOVAL OF APRONS, ETC. BEFORE THE START OF ANY DEMOLITION.
5. CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO THE START OF DEMOLITION.
6. CONTRACTOR SHALL CAP AND MARK ALL UNUSED UTILITIES BACK TO PROPERTY LINE. CONTRACTOR TO FORWARD, IN DRAWING FORM, TO ARCHITECT AND ENGINEER, LOCATION OF ALL CAPPED AND UNUSED UTILITIES. STRUCTURES TO BE DEMOLISHED.
7. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERY OF HAZARDOUS OR CONTAMINATED MATERIALS.
8. EMPLOY A CERTIFIED, LICENSED EXTERMINATOR TO TREAT BUILDING AND TO CONTROL RODENTS AND VERMIN BEFORE AND DURING OPERATIONS, IF APPLICABLE.
9. CONTRACTOR SHALL CONTACT DEVELOPER REGARDING THE SALVAGE OF ANY ON-SITE MATERIAL.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL BUILDING REMOVAL, UTILITY REMOVAL, AND UTILITY RELOCATION ARE DONE AT THE DIRECTION OF THE APPROPRIATE UTILITY.
11. ALL UTILITY LOCATIONS SHOWN ON THIS SHEET ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.
12. IT MAY BE NECESSARY TO REMOVE OR RELOCATE ADDITIONAL UTILITIES AND/OR STRUCTURES NOT INDICATED ON THIS SHEET. A PRE-CONSTRUCTION MEETING SHOULD BE SET UP TO ESTABLISH THE EXTENT OF WORK NECESSARY FOR CONSTRUCTION OF BUILDING AND PARKING LOT.

LEGAL DESCRIPTION

Land Description
 Part of the East Half of the Southeast Quarter of Section 35, Township 19 North, Range 3 East, in Washington Township, Hamilton County, Indiana, being more particularly described as follows:
 Commencing at the Southeast corner of the Southeast Quarter of Section 35, Township 19 North, Range 3 East, in Washington Township, Hamilton County, Indiana; thence South 89 degrees 46 minutes 53 seconds East (Assumed Bearing) on and along the South line of said Southeast Quarter 1201.77 feet to the Southwest corner of the East Half of said Southeast Quarter; thence North 00 degrees 47 minutes 42 seconds East on and along the West line of said East Half 600.00 feet to the intersection of said West line and the centerline of Enterprise Drive; thence South 00 degrees 12 minutes 18 seconds East on and along the centerline of Enterprise Drive 240.00 feet to the centerline intersection of Enterprise Drive and Commerce Drive; thence North 00 degrees 47 minutes 42 seconds East on and along the centerline of Commerce Drive 312.64 feet; thence North 89 degrees 46 minutes 53 seconds East on and along the centerline of Enterprise Drive 234.00 feet; thence South 00 degrees 47 minutes 42 seconds West parallel with the centerline of Enterprise Drive 312.64 feet to the POINT OF BEGINNING, containing in all 1.73 acres more or less.
 Subject to the rights-of-way of Enterprise Drive and Commerce Drive.
 Subject to all easements, rights-of-way, covenants and restrictions.

DETAIL SPECIFICATIONS ORDER OF PREFERENCE

1. CITY / TOWN STANDARD DRAWINGS AND SPECIFICATIONS.
2. COUNTY STANDARD DRAWINGS AND SPECIFICATIONS.
3. I.N.D.O.T. STANDARD DRAWINGS AND SPECIFICATIONS.
4. TEN STATE STANDARDS.
5. SITE ENGINEER'S STANDARD DRAWINGS AND SPECIFICATIONS.
6. ANY OTHER APPLICABLE STANDARD DRAWINGS AND SPECIFICATIONS.

NOTICE, PERMITS AND NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING ANY CONSTRUCTION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING ANY CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION FOR THE RESPECTIVE UTILITY COMPANIES, PRIOR TO STARTING ANY CONSTRUCTION.
4. ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE MOST UPDATED SET OF CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.
6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING, AS-BUILT INFORMATION TO THE ENGINEERING / SURVEYING COMPANY UPON COMPLETION OF CONSTRUCTION.

HOLEY MOLEY SAYS "DIG SAFELY!"



Know what's below. Call before you dig.



PER INDIANA STATE LAW ICS-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

DLDS
 DEBOY LAND DEVELOPMENT SERVICES
 Designers - Engineers - Surveyors
 2015 S. 9th Street, Suite 100, Noblesville, IN 46060
 Phone: 317-442-6370
 Fax: 317-442-6370

PREPARED BY:
 MICHAEL L. DEBOY
 NO. 50539
 STATE OF INDIANA
 LAND SURVEYOR

DATE	DESCRIPTION
8-31-2010	CITY SUBMITTAL
10-6-2010	CITY REVIEW
10-13-2010	CITY REVIEW

AFFCO MACHINE - BUILDING ADDITION
 510 ENTERPRISE DR., WESTFIELD IN 46074
EXISTING CONDITION - DEMO PLAN

CLIENT NAME: SCOTT EIKER
 DESIGN & BUILD CORP
 10029 E. 126TH ST., PO BOX 863
 FISHERS IN 46038
 PHONE: 317-842-6370
 FAX: 317-578-7032

DESIGNED: RCB APPROVED: MLD
 DRAWN: RCB CHECKED BY: MLD

SCALE: 1" = 20' DATE: 8-23-2010

PROJECT NO.: 2010-0025

C1.0
 OF 7

Scale: 1" = 50'

BINDER

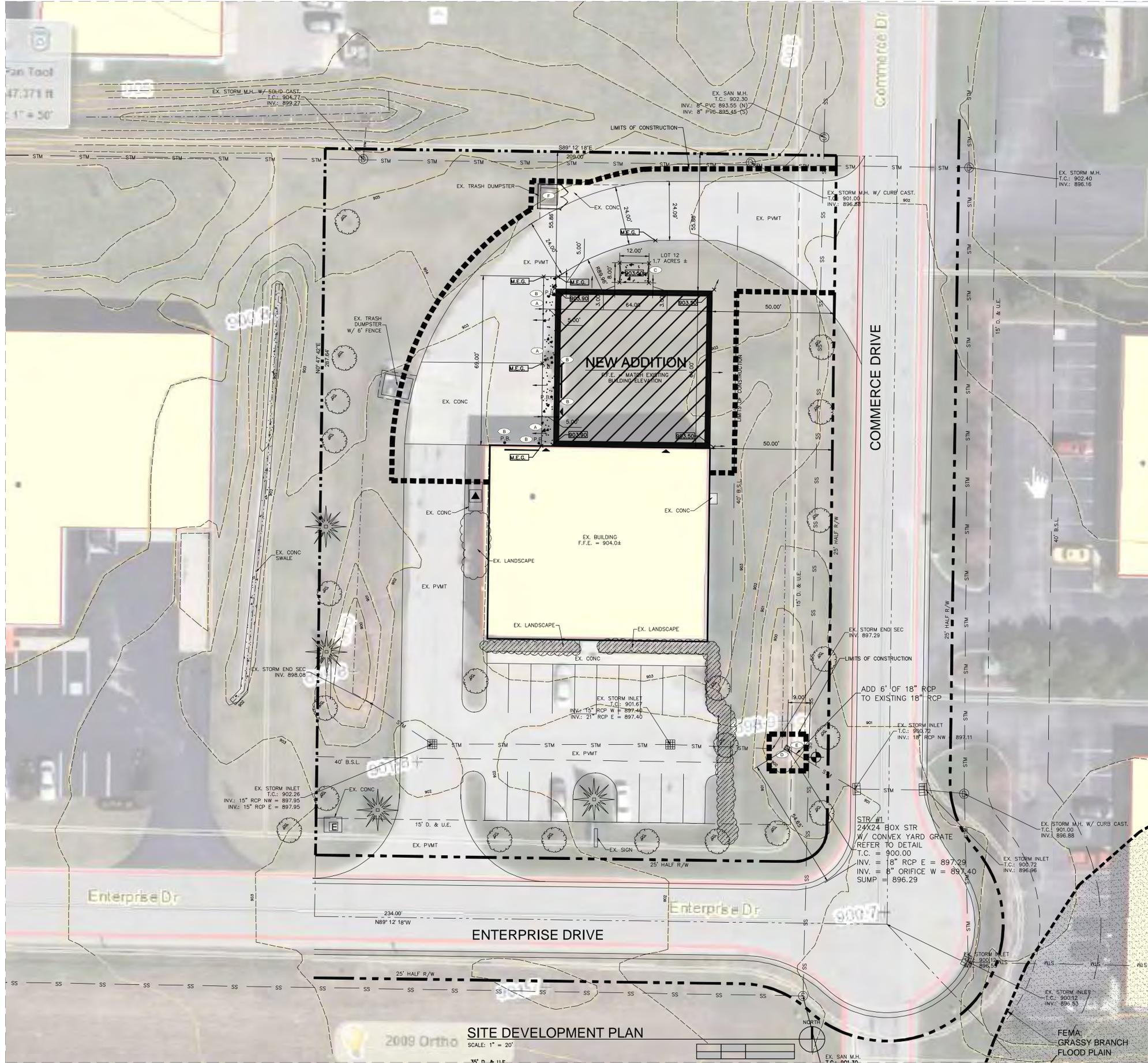
2009 Ortho

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THE COUNTY DEPT. RECORDS PLANS AND DETAILS SHOWN ON THIS DOCUMENT ARE THE SOLE PROPERTY OF DEBOY LAND DEVELOPMENT SERVICES (DLDS) AND ARE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THE COMPANY'S IDEAS, DESIGN, CONCEPTS OR DETAILS SHALL BE REPRODUCED, COPIED, OR OTHERWISE USED FOR ANY PURPOSE WHATSOEVER, WITHOUT THE EXPRESS WRITTEN PERMISSION OF DEBOY LAND DEVELOPMENT SERVICES (DLDS). ALL RECEIVING PARTIES AGREE TO LIMIT THE USE TO APPROPRIATE PURPOSES, AND SPECIFICALLY AGREE TO NOT MAKE USE, SELL, REPRODUCE, OR OTHERWISE REPRODUCE THIS DOCUMENT IN ANY MANNER OR FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF DEBOY LAND DEVELOPMENT SERVICES (DLDS). COPYRIGHT APPLIES.

DLDS: P-12010/2010-0025 - 510 Enterprise Drive - Design and Build (ENGINEER) DRAWINGS
 DWG: C1.0 EXISTING CONDITION - DEMO PLAN.dwg
 PLOT: C1.0 EXISTING CONDITION - DEMO PLAN.dwg
 DATE: Wednesday, October 13, 2010 10:07:51 AM



ABBREVIATIONS AND EXISTING LEGEND

ACCEL	ACCELERATION	H.C.	HANDICAP	SPOT ELEVATION	PAY TELEPHONE
ADJ	ADJACENT	HORZ	HORIZONTAL	FO	FIBER OPTICS
ALT	ALTERNATE	ID	INSIDE DIA	G	GAS
APPROX	APPROXIMATE	INV	INVERT	E	ELECTRIC
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BEG	BEGINNING	MAX	MAXIMUM	W	WATER
BLDG	BUILDING	MEDH	MECHANICAL	CS	SANITARY SEWER
CAL	CALLER	M.E.G.	MATCH EXISTING GRADE	CS	STORM SEWER
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CJ	CENTERLINE	N/A	NOT APPLICABLE	U/C	UNDERGROUND
CMU	CONC MASONRY UNIT	O.C.	ON CENTER	O/H	OVERHEAD
CONC	CONCRETE	OD	OUTSIDE DIA	CB	CONCRETE BUMPER
CPJ	CONTROL JOINT	PERP	PERPENDICULAR	DI	DRAINAGE M.H.
C.D.	CLEAN OUT	P.O.B.	POINT OF BEG	SI	SANITARY M.H.
DECL	DECLARATION	PVC	POLYVINYL CHLORIDE	CI	CURB INLET
DEMO	DEMOLITION	PVMT	PAVEMENT	RI	ROUND INLET (24" TYP)
DIA	DIAMETER	R	RADIUS	SI	SQUARE INLET (24" TYP)
DS	DOWNSPOUT	REF	REFERENCE	CL	CLEAN OUT
ELEV	ELEVATION	REF	REINFORCED CONCRETE	PS	PIPE BOLLARD
ELEC	ELECTRICAL	REQD	REQUIRED	PS	FLAG POLE
EQ	EQUAL DISTANCE	ROW	RIGHT OF WAY	---	LIMITS OF CONSTRUCTION
EX	EXISTING	SAN	SANITARY		
EJ	EXPANSION JOINT	SLOPP	SMOOTH LINED CORRUGATED PLASTIC PIPE		
FF	FACE OF WALL	SPECS	SPECIFICATIONS		
FFE	FINISH FLOOR ELEV	SQ	SQUARE		
FT	FOOT	STA	STATION		
GUTTER	FLOWLINE ELEV	STM	STORM SEWER		
HT	HEIGHT	TYP	TYPICAL		
HDPE	HIGH DENSITY POLYETHYLENE	VIP	VERTICAL IN FIELD		

SITE LEGEND

NEW GRADE SLOPE TO PROVIDE POSITIVE DRAINAGE
NEW PIPE BOLLARD
NEW CONCRETE APRON
NEW PIPE BOLLARD
NEW CONCRETE CONDENSER PAD
NEW STORM SEWER INLET
NEW STORM SEWER
NEW DUMPSTER ENCLOSURE; MATCH EXISTING ON SITE.
NEW SPOT ELEVATION
MATCH EXISTING GRADE - SPOT ELEVATION
NEW STORM SEWER INLET
NEW CONNECTION TO EXISTING UTILITY

UTILITY NOTES

- SEE MECHANICAL PLANS FOR LOCATION AND SIZE OF SANITARY DRAINS, WATER LINES AND FIRE PROTECTION WITHIN BUILDINGS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE ALL MAINS, CONDUITS, SERVICE LINES, ETC., IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES AND FACILITIES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY) IS THE EXPRESSED RESPONSIBILITY OF THE CONTRACTOR.
- RCP = REINFORCED CONCRETE PIPE CLASS III (MIN. CLASSIFICATION)

GRADING NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND/OR AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS' AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
- PROVIDE POSITIVE DRAINAGE WITHOUT PONDING, IN ALL AREAS AFTER INSTALLATION, CONTRACTOR TO TEST FOR, AND CORRECT, IF ANY, "BIRD BATH" CONDITIONS.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (Location, size, and depth) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
- TRENCHES FOR ALL STORM PIPES ARE TO BE BACKFILLED COMPLETELY WITH ENGINEERED GRANULAR MATERIAL IF WITHIN 5 FEET OF PAVEMENT.
- SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
- CONTACT UTILITY COMPANIES PRIOR TO REMOVAL OR ABANDONING OF ANY EXISTING UTILITY LINE.

SITE NOTES

- SEE CITY OF WESTFIELD CONSTRUCTION STANDARDS FOR SITE DETAILS.
- SEE CITY OF WESTFIELD CONSTRUCTION STANDARDS FOR SITE SPECIFICATIONS.
- SEE SHEET "C10.0" FOR SITE DETAILS.
- ALL DIMENSIONS ARE TO THE FACE OF CURB AND FACE OF BUILDING.

SITE DATA TABLE

SITE ZONING	MF-2
PROJECT AREA	0.36± ACRES
BUILDING AREA:	
-EXISTING	7,090± SF
-NEW	4,096± SF
TOTAL:	11,186± SF
EXISTING PARKING PROVIDED:	17 SPACE(S)
ACCESSIBLE PARKING	1 SPACE(S)

UTILITY STATEMENT

THE EXISTING UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND / OR EXISTING DRAWINGS. DEBOY LAND DEVELOPMENT SERVICES (DLDS) MAKES NO GUARANTEES THAT THE UTILITY INFORMATION SHOWN COMPROMISES ALL SUCH UTILITIES IN THE AREA, IN SERVICE OR ABANDONED. DEBOY LAND DEVELOPMENT SERVICES (DLDS), FURTHER, STATES THAT THE UNDERGROUND UTILITY DATA SHOWN DOES NOT INDICATE PRECISE LOCATIONS.

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DATE	DESCRIPTION
8-31-2010	CITY SUBMITTAL
10-6-2010	CITY REVIEW
10-13-2010	CITY REVIEW

AFFCO MACHINE - BUILDING ADDITION
 510 ENTERPRISE DR., WESTFIELD IN 46074
CITY REVIEW
SITE DEVELOPMENT PLAN

CLIENT NAME: SCOTT EIKER
 DESIGN & BUILD CORP
 10029 E. 126TH ST, PO BOX 863
 FISHERS IN 46038
 PHONE: 317-842-6370
 FAX: 317-578-7032

DESIGNED: RCB APPROVED: MLD
 DRAWN: RCB CHECKED BY: MLD
 SCALE: 1" = 20' DATE: 8-23-2010

PROJECT NO.: 2010-0025
C2.0
 OF 7

NOTE: THE DEVELOPER/OWNER AND THE ENGINEER / SURVEYOR FOR THE DEVELOPER/OWNER ARE ULTIMATELY RESPONSIBLE TO ENSURE THE PROJECT IS BUILT WITH ALL PLAN COMMISSION CONDITIONS BEING MET AND ALSO PER CITY / TOWN STANDARDS AND SPECIFICATIONS.

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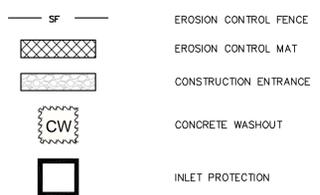
PROJECT: P-2010/2010-0025 - 510 Enterprise Drive - Design and Build/ENGINEER'S DRAWINGS
 DWG: C2.0 SITE DEVELOPMENT PLAN
 PLOTTER: PLOTTER
 DATE: Wednesday, October 13, 2010 10:08:00 AM



ABBREVIATIONS AND EXISTING LEGEND

ACCEL	ACCELERATION	H.C.	HANDICAP	SPOT	SPOT ELEVATION	PT	PAY TELEPHONE
ADJ	ADJACENT	HORZ	HORIZONTAL	CONTOUR	CONTOUR (MAJOR)	FD	FIBER OPTICS
ALT	ALTERNATE	ID	INSIDE DIA	CONTOUR	CONTOUR (MINOR)	G	GAS
APPROX	APPROXIMATELY	INV	INVERT	AREA	AREA LIGHT 1	E	ELECTRIC
ARCH	ARCHITECTURAL	M.H.	MANHOLE	AREA	AREA LIGHT 2	T	TELEPHONE
BEG	BEGINNING	MAX	MAXIMUM	UTILITY	UTILITY POLE	W	WATER
BLDG	BUILDING	MECH	MECHANICAL	GUY	GUY ANCHOR	SAN	SANITARY SEWER
CAL	CALLIPER	M.E.G.	MATCH EXISTING GRADE	TEL	TELEPHONE M.H.	STM	STORM SEWER
CP	CAST IN PLACE	MIN	MINIMUM	TRISER	TELEPHONE RISER	CS	COMBINED SEWER
C	CENTERLINE	N/A	NOT APPLICABLE	TRNS	TRANSFORMER	U/G	UNDERGROUND
CMU	CONC MASONRY UNIT	O.C.	ON CENTER	VALVE	WATER VALVE	O/H	OVERHEAD
CONC	CONCRETE	OD	OUTSIDE DIA	HYDRANT	FIRE HYDRANT	CB	CONCRETE BUMPER
CJ	CONTROL JOINT	PERP	PERPENDICULAR	DECID	DECIDUOUS TREE	SI	SANITARY M.H.
C.O.	CLEAN OUT	P.O.B.	POINT OF BEG	EVERGR	EVERGREEN TREE	CI	CURB INLET
DECL	DECLINATION	PVC	POLYVINYL CHLORIDE	BUSH	BUSH	RI	ROUND INLET (24" TYP)
DEMO	DEMOLITION	PVMT	PAVEMENT	FENCE	FENCE	SI	SQUARE INLET (24" TYP)
DIA	DIAMETER	R	RADIUS	SIGN	SIGN	CO	CLEAN OUT
DS	DOWNSPOUT	REF	REFERENCE	TRAF	TRAFFIC SIGNAL POLE	CB	CURB BOLLARD
ELEV	ELEVATION	RCP	REINFORCED CONCRETE PIPE	SAN	SANITARY	FL	FLAG POLE
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HT	HEIGHT	TYP	TYPICAL				
HDPE	HIGH DENSITY POLYETHYLENE	VF	VERIFY IN FIELD				

SITE (SWPP) EROSION CONTROL LEGEND



NOTE: CONTRACTOR SHALL CLEAN ALL CONSTRUCTION DEBRIS FROM PUBLIC STREET(S) IMMEDIATELY.
NOTE: STAGING AREA IS TO BE LOCATED WITHIN THE PERIMETER OF THE PROPOSED BUILDING PAD.

(SWPP) EROSION CONTROL NOTES

- SEE SHEET "C10.0" FOR SITE DETAILS.
- ALL CONSTRUCTION WITHIN STATE ROAD RIGHT-OF-WAY SHALL CONFORM WITH THE INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF WESTFIELD STANDARD SPECIFICATIONS, LATEST EDITION.
- MAXIMUM LAWN SLOPE IS 3:1.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC., IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESSED RESPONSIBILITY OF THE CONTRACTOR.
- ALL STRUCTURES WITHIN THE SITE BOUNDARY, UNLESS SHOWN OTHERWISE ARE TO RECEIVE INLET PROTECTION.
- EROSION CONTROL PLAN MUST BE EXECUTED BEFORE ANY CONSTRUCTION COMMENCES.
- ADDITIONAL EROSION CONTROL MEASURES MAYBE REQUIRED IN THE FIELD BY THE WPWD (WESTFIELD PUBLIC WORKS DEPARTMENT) INSPECTORS.
- ALL EROSION CONTROL MATERIALS NEEDS TO BE APPROVED BY THE WPWD (WESTFIELD PUBLIC WORKS DEPARTMENT) INSPECTORS PRIOR TO INSTALLATION.

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- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING ANY CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE MOINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING ANY CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATE OF ALL CONSTRUCTION FOR THE RESPECTIVE UTILITY COMPANIES, PRIOR TO STARTING ANY CONSTRUCTION.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE MOST UPDATED SET OF CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.
- ALL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING, AS-BUILT INFORMATION TO THE ENGINEERING / SURVEYING COMPANY UPON COMPLETION OF CONSTRUCTION.

HOLEY MOLEY SAYS "DIG SAFELY"



Know what's below. Call before you dig.



PER INDIANA STATE LAW 1CB-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE CONSTRUCTION WORK.

AFFCO MACHINE - BUILDING ADDITION
 510 ENTERPRISE DR., WESTFIELD IN 46074
CITY REVIEW
STORMWATER POLLUTION PREVENTION PLAN

CLIENT NAME: SCOTT EIKER DESIGN & BUILD CORP
 10029 E. 126TH ST., PO BOX 863 FISHERS IN 46038
 PHONE: 317-842-6370 FAX: 317-578-7032

DESIGNED:RCB APPROVED:MLD
 DRAWN:RCB CHECKED BY:MLD
 SCALE: 1" = 20' DATE: 8-23-2010
 PROJECT NO.: 2010-0025

C6.0 OF 7

DLDS
 DEBOY LAND DEVELOPMENT SERVICES
 Designers-Engineers-Surveyors
 601 S. 9th Street, Suite 100, Noblesville, IN 46060
 Phone: 317-842-6370 Fax: 317-578-7032

PREPARED BY: [Signature]
 STAMPED BY: [Signature]
 DATE DESCRIPTION
 8-31-2010 CITY SUBMITTAL
 10-6-2010 CITY REVIEW
 10-13-2010 CITY REVIEW

Action: Pan Tool
 X: 1,747.371 ft
 Map Scale: 1" = 50'

BINDER

STORMWATER POLLUTION PREVENTION PLAN
 SCALE: 1" = 20' 35' D. & U.E.

NOTE: THE DEVELOPER, OWNER AND THE ENGINEER / SURVEYOR FOR THE DEVELOPER / OWNER ARE ULTIMATELY RESPONSIBLE TO ENSURE THE PROJECT IS BUILT WITH ALL PLAN COMMISSION CONDITIONS BEING MET AND ALSO PER CITY / TOWN STANDARDS AND SPECIFICATIONS.
 NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH PROJECT ENGINEER TO INSURE THE CONTRACTOR HAS THE MOST CURRENT, COMPLETE, APPROVED SET OF PLANS AND SPECIFICATIONS FOR THIS PROJECT. ENGINEER DOES NOT ACCEPT RESPONSIBILITY SHOULD CONTRACTOR UTILIZE ANY PLANS THAT DO NOT MEET THE FORESAID CRITERIA.

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 ALL RECEIVING PARTIES AGREE TO LIMIT ITS USE TO APPROPRIATE PURPOSES, AND SPECIFICALLY AGREE TO NOT MAKE USE, SELL, REPRODUCE OR REUSE THIS DOCUMENT IN ANY PRODUCT OR SERVICE BASED ON THIS DRAWING OR DOCUMENT. COPYRIGHT APPLIES.
 IN THE EVENT THIS WORK PRODUCT IS USED BY OTHERS WITHOUT WRITTEN PERMISSION OF DEBOY LAND DEVELOPMENT SERVICES (DLDS), APPROPRIATE COMPENSATION INCLUDING REASONABLE ATTORNEY'S FEES SHALL BE PAID.
 PROJECT: P-12010-0025 - 510 Enterprise Drive - Design and Build (ENGINEERING) DRAWINGS
 DWG: C6.0 STORMWATER POLLUTION PREVENTION PLAN.dwg
 PLOTTED BY: RCBSER
 DATE: Wednesday, October 13, 2010 10:09:02 AM

SEASONAL SOIL PROTECTION CHART												
STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING	A											
DORMANT SEEDING	B											
TEMPORARY SEEDING	C											
SODDING	F											
MULCHING	G											

FOR ALL SEEDING CONDITIONS, DO NOT USE PHOSPHOROUS CONTAINING FERTILIZER (12-12-12) UNLESS SOIL TESTS DETERMINE THAT THERE IS A PHOSPHOROUS DEFICIENCY. USE PHOSPHOROUS FREE FERTILIZERS (12-0-12).

A = KENTUCKY BLUEGRASS 100 LBS./ACRE, CREEPING RED FESCUE 100 LBS./ACRE, PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS./ACRE FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

B = KENTUCKY BLUEGRASS 120 LBS./ACRE, CREEPING RED FESCUE 120 LBS./ACRE, PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS./ACRE FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

C = SPRING OATS 3 BUSHELS/ACRE FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

D = WHEAT OR RYE 2 BUSHELS/ACRE FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

E = ANNUAL RYEGRASS 40 LBS./ACRE (1 LB./1000 SQ. FT.) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

F = SOD

G = STRAW MULCH 2 TONS/ACRE

* // * IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER

** IRRIGATION NEEDED FOR 2 WEEKS AFTER SUPPLYING SOD

SEEDBED PREPARATION:

- TEST SOIL TO DETERMINE PH AND NUTRIENT LEVELS. (CONTACT YOUR COUNTY SWCD OR COOPERATIVE EXTENSION OFFICE FOR ASSISTANCE AND SOILS INFORMATION, INCLUDING AVAILABLE TESTING SERVICES.)
- IF SOIL PH IS UNSUITABLE FOR THE SPECIES TO BE SEED, APPLY LIME ACCORDING TO TEST RECOMMENDATIONS.
- FERTILIZE AS RECOMMENDED BY THE SOIL TEST. IF TESTING IS NOT DONE, CONSIDER APPLYING 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.
- TILL THE SOIL TO OBTAIN A UNIFORM SEEDBED, WORKING THE FERTILIZER AND LIME INTO THE SOIL 2-4 IN. DEEP WITH A DISK OR RAKE OPERATED ACROSS THE SLOPE.
- DO NOT USE PHOSPHOROUS CONTAINING FERTILIZER (12-12-12) UNLESS SOIL TESTS DETERMINE THAT THERE IS A PHOSPHOROUS DEFICIENCY. USE PHOSPHOROUS FREE FERTILIZERS (12-0-12).
- RULE 5 REQUIRES THAT ALL DISTURBED AREAS THAT WILL POTENTIALLY BE IDLE FOR 15 DAYS OR MORE BE STABILIZED (SEEDED, MULCHED, ETC.) IMMEDIATELY.

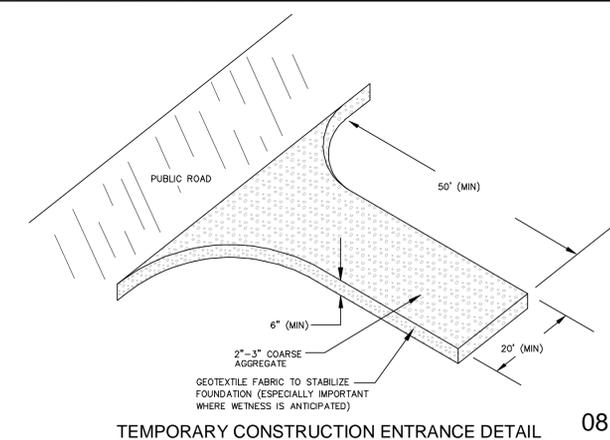
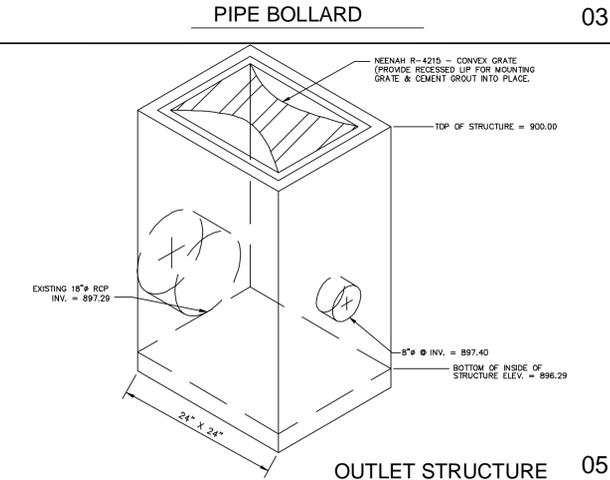
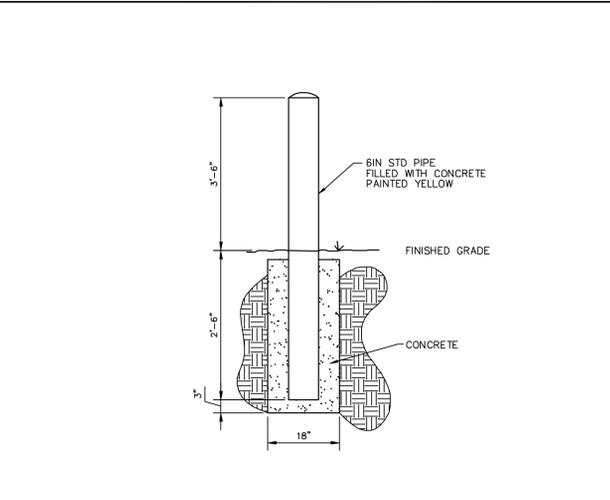
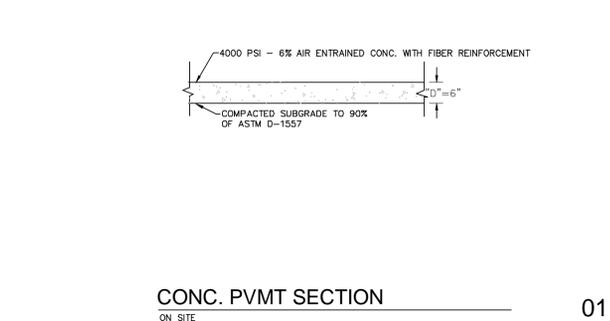
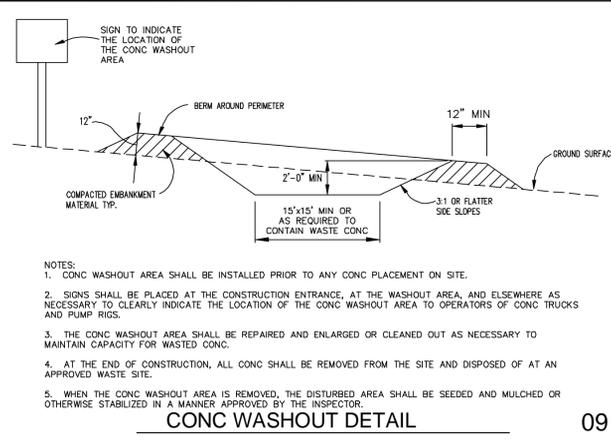
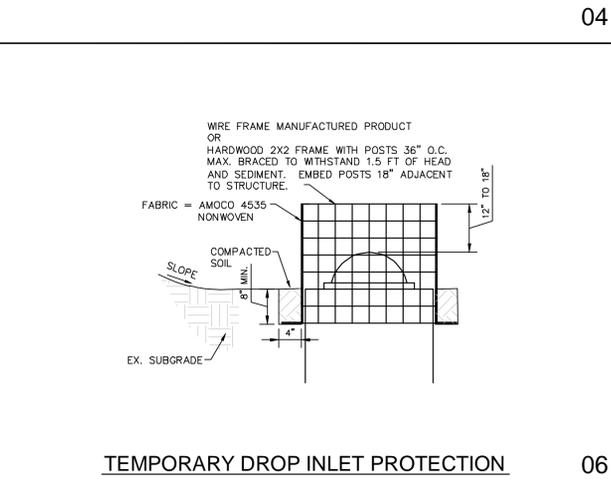
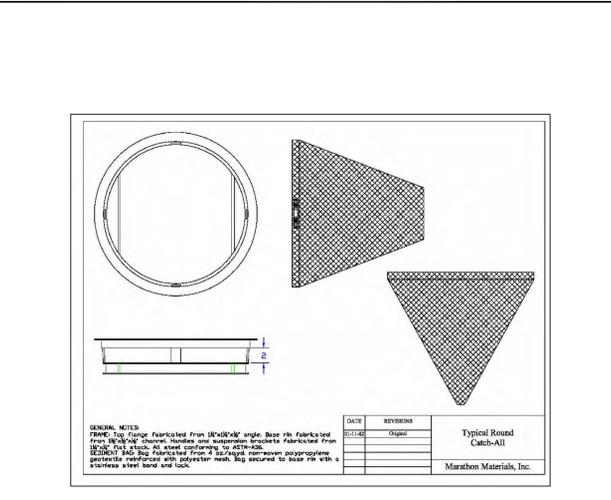
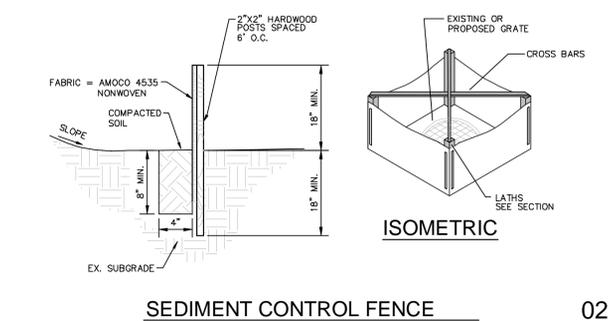
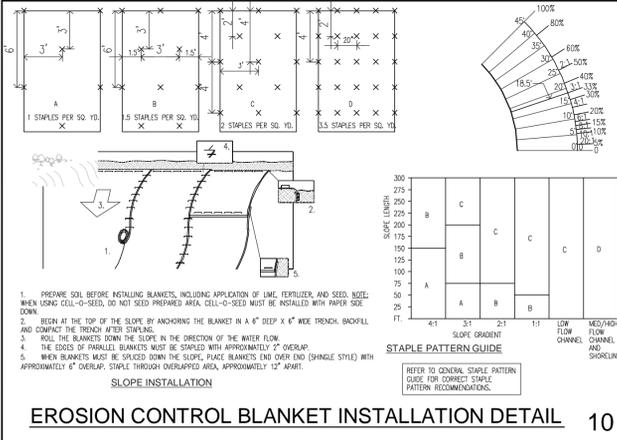
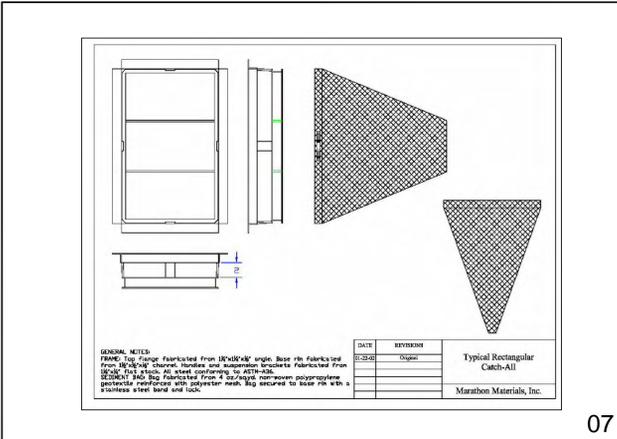
STORMWATER POLLUTION PREVENTION SCHEDULE		
STORMWATER POLLUTION PREVENTION MEASURE	MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	INSPECT WEEKLY, AFTER STORM EVENTS, AND AFTER HEAVY USE. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. TOPRESS WITH CLEAN STONE AS NEEDED; REMOVE ALL MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS IMMEDIATELY.	PRIOR TO CLEARING AND GRADING
SILT FENCE	INSPECT AFTER STORM EVENTS; REPAIR ANY AREAS OF DECOMPOSITION OR DAMAGE TO FENCE MATERIAL. REMOVE SEDIMENT AT BOTTOM OF ONE HALF FENCE HEIGHT AT LOWEST POINT OR IF FABRIC BULGES; AVOID UNDERMINING DURING CLEANOUT.	PRIOR TO CLEARING AND GRADING
EXISTING INLET PROTECTION	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED.	PRIOR TO CLEARING AND GRADING
TEMPORARY SEEDING	INSPECT PERIODICALLY TO VERIFY ADEQUATE ESTABLISHMENT OF VEGETATIVE STANDS; RESEED AND MULCH AS NEEDED. INSPECT AFTER STORM EVENTS AND REPAIR EROSION DAMAGE; TOPRESS FALL SEEDED WHEAT OR RYE SEEDINGS WITH 50 LBS./AC OF NITROGEN IN FEBRUARY OR MARCH. IF NITROGEN DEFICIENCY IS APPARENT, WATER AS NEEDED.	AFTER ROUGH GRADING
PERMANENT SEEDING	INSPECT PERIODICALLY AND AFTER STORM EVENTS UNTIL VEGETATIVE STAND IS ESTABLISHED; ADD FERTILIZER AFTER GROWING SEASON PER SOIL TEST RECOMMENDATIONS; REPAIR DAMAGED, BARE, OR SPARSE AREAS BY FILLING, REPREPARING THE SEED BED, FERTILIZING, AND/OR SEEDING AND MULCHING.	AFTER FINISH GRADING OF EACH AREA
EROSION CONTROL BLANKET	INSPECT FOR AREAS OF EROSION BELOW THE BLANKET AFTER EACH STORM EVENT; REPAIR AREAS OF EROSION BY REMOVING AFFECTED PORTION OF BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE BLANKET; INSPECT PERIODICALLY AFTER VEGETATION IS ESTABLISHED.	AFTER FINISH GRADING
INLET PROTECTION	INSPECT FABRIC BARRIER AFTER STORM EVENTS AND MAKE NEEDED REPAIRS IMMEDIATELY; REMOVE SEDIMENT FROM THE POOL AREA WHILE AVOIDING DAMAGING OR UNDERCUTTING THE FABRIC.	AFTER EACH INLET IS PLACED
SEED, SOD & LANDSCAPE AROUND UNITS FINISHED	KEEP SOD MOIST UNTIL FULLY ROOTED; WATER AS NEEDED.	AFTER FINISHED GRADING AROUND FINISHED UNITS
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED

STORM WATER POLLUTION PREVENTION MAINTENANCE NOTES

- SILT FENCE:** INSPECT SILT FENCE WEEKLY AND AFTER EACH STORM EVENT. IF FABRIC FENCE TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE AND STABILIZED.
- CATCH BASIN FILTER:** INSPECT WEEKLY AND AFTER EACH STORM EVENT. REMOVE BUILT-UP SEDIMENT AND REPLACE THE GEOTEXTILE FABRIC AFTER EACH STORM EVENT. PERIODICALLY REMOVE SEDIMENT AND TRACKED ON SOIL FROM THE STREET (BUT NOT BY FLUSHING WITH WATER) TO REDUCE THE SEDIMENT LOAD ON THIS CURB INLET PRACTICE.
- EROSION CONTROL BLANKETS:** DURING VEGETATIVE ESTABLISHMENT, INSPECT AFTER STORM EVENTS FOR ANY EROSION BELOW THE BLANKET. IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING IT, ADD SOIL, RE-SEED THE AREA, AND RE-LAY AND STAPLE THE BLANKET. AFTER VEGETATIVE ESTABLISHMENT, CHECK THE TREATED AREA PERIODICALLY.
- STONE CONSTRUCTION ENTRANCE:** INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. TOPRESS WITH CLEAN STONE AS NEEDED. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

CONSTRUCTION SEQUENCE FOR SITE EROSION CONTROL PRACTICES

- SCHEDULE PRE-CONSTRUCTION MEETING WITH TOWN OF WESTFIELD A MINIMUM 48 HOURS BEFORE ANY CONSTRUCTION COMMENCES.
 - POST THE CONTACT INFORMATION FOR THE PERSON ON-SITE RESPONSIBLE FOR STORM WATER POLLUTION PREVENTION.
 - DESIGNATE THE TRAINED INDIVIDUAL THAT WILL COMPLETE THE WEEKLY SITE EVALUATIONS.
 - CALL THE INDIANA UNDERGROUND PLANT PROTECTION SYSTEMS, INC. (HOLEY MOLEY) AT 811 TO CHECK THE LOCATION OF ANY EXISTING UTILITIES. THEY SHOULD BE NOTIFIED TWO WORKING DAYS BEFORE CONSTRUCTION TAKES PLACE.
 - INSTALL PERIMETER BMP'S AS SHOWN ON SHEET C6.0.
 - INSTALL INLET PROTECTION ON EXISTING INLETS AS SHOWN ON SHEET C6.0.
 - START CONSTRUCTION AS DESCRIBED AND SHOWN IN THE CONSTRUCTION PLANS.
 - INSPECT EROSION CONTROL MEASURES WEEKLY OR FOLLOWING A STORM EVENT.
 - RULE 5 REQUIRES THAT ALL DISTURBED AREAS THAT WILL POTENTIALLY BE IDLE FOR 15 DAYS OR MORE BE STABILIZED (SEEDED, MULCHED, ETC.) IMMEDIATELY.
 - MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- PROCEDURES FOR SPILLS:**
- BARRICADE THE AREA ALLOWING NO VEHICLES TO ENTER OR LEAVE THE SPILL ZONE.
 - NOTIFY THE CITY OF WESTFIELD FIRE DEPARTMENT.
 - NOTIFY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF EMERGENCY RESPONSE BY CALLING (317) 233-7745 OR (888) 233-7745.
 - NOTIFY WASTE RECOVERY CONTRACTOR, MAINTENANCE PERSONNEL OR OTHER PERSONNEL AS NECESSARY FOR CLEANUP.
 - COORDINATE AND MONITOR CLEANUP UNTIL COMPLETE.
 - COOPERATE WITH THE IDEM-OR ON PROCEDURES AND REPORTS INVOLVED WITH THE EVENT.



DLDS
 DEBOY LAND DEVELOPMENT SERVICES
 Designers - Engineers - Surveyors
 401 S. 9th Street, Suite 100, Noblesville, IN, 46060
 Phone: 317-778-1821
 Fax: 317-778-1822

PREPARED BY: [Signature]

STAMPED BY: [Signature]

DATE: [] DESCRIPTION: []

DATE	DESCRIPTION
8-31-2010	CITY SUBMITTAL
10-6-2010	CITY REVIEW
10-13-2010	CITY REVIEW

AFFCO MACHINE - BUILDING ADDITION
 510 ENTERPRISE DR., WESTFIELD IN 46074

CITY REVIEW

CLIENT NAME: SCOTT EIKER
 DESIGN & BUILD CORP
 10029 E. 126TH ST, PO BOX 863
 FISHERS IN, 46038
 PHONE: 317-842-6370
 FAX: 317-578-7032

DESIGNED: RCB APPROVED: MLD
 DRAWN: RCB CHECKED BY: MLD
 SCALE: NTS DATE: 8-23-2010
 PROJECT NO.: 2010-0025

C10.0
 OF 7

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PROJECT: 1-2010/2010-0025 - 510 Enterprise Drive - Design and Build (ENGINEERING) DRAWINGS
 DWG: C10.0 SITE DETAILS.dwg
 PLOT BY: RCB
 DATE: Wednesday, October 13, 2010 10:06:08 AM



APPLICATIONS

- Warehouse Perimeter Lighting
- Security Lighting
- Retail Lighting
- Commercial and Industrial Applications

SPECIFICATIONS

- Die-cast aluminum housing
- Powder-coat finish
- Porcelain Medium base socket
- Heat and shock resistant borosilicate glass lens
- Silicone gasketing
- Wet location listed
- Lamp included

ORDERING INFO.

CATALOG NO.	UPC CODE	DESCRIPTION	VOLTS	BALLAST	LAMP	BASE	SHIPPING WEIGHT (LBS)
WPM04FL	0528	Medium Walpole 84 Watt Fluorescent	120V	ELECTRONIC	2x40 G130K		8
WPM020HIC	0582	Medium Walpole 100 Watt Metal Halide	120/277V/240/277	GHM X2-PTT	037	medium	14
WPM150HCP	0460	Medium Walpole 150 Watt Metal Halide	120/277V/240/277	GHM X2-PTT	037	medium	15
WPM150S	0524	Medium Walpole 150 Watt Sodium	120/277V/240/277	GHM X2-PTT	ED23-4	medium	15
WPM150	0525	Medium Walpole 150 Watt Sodium	120V	R-WF	ED23-4	medium	12

The confidence of our products to individual project specifications and approved for their use, is not warranted by NSI Lighting Products. Specification sheets and photometric data are provided as a guideline for application information. Field consideration of any given application must take into consideration knowledge of the specific results in environment. Quantities call NSI Lighting Products at 1-800-521-5847



AVAILABLE IN *compact* FLUORESCENT!

DIMENSIONS

H	W	D
9"	14.25"	7.1"

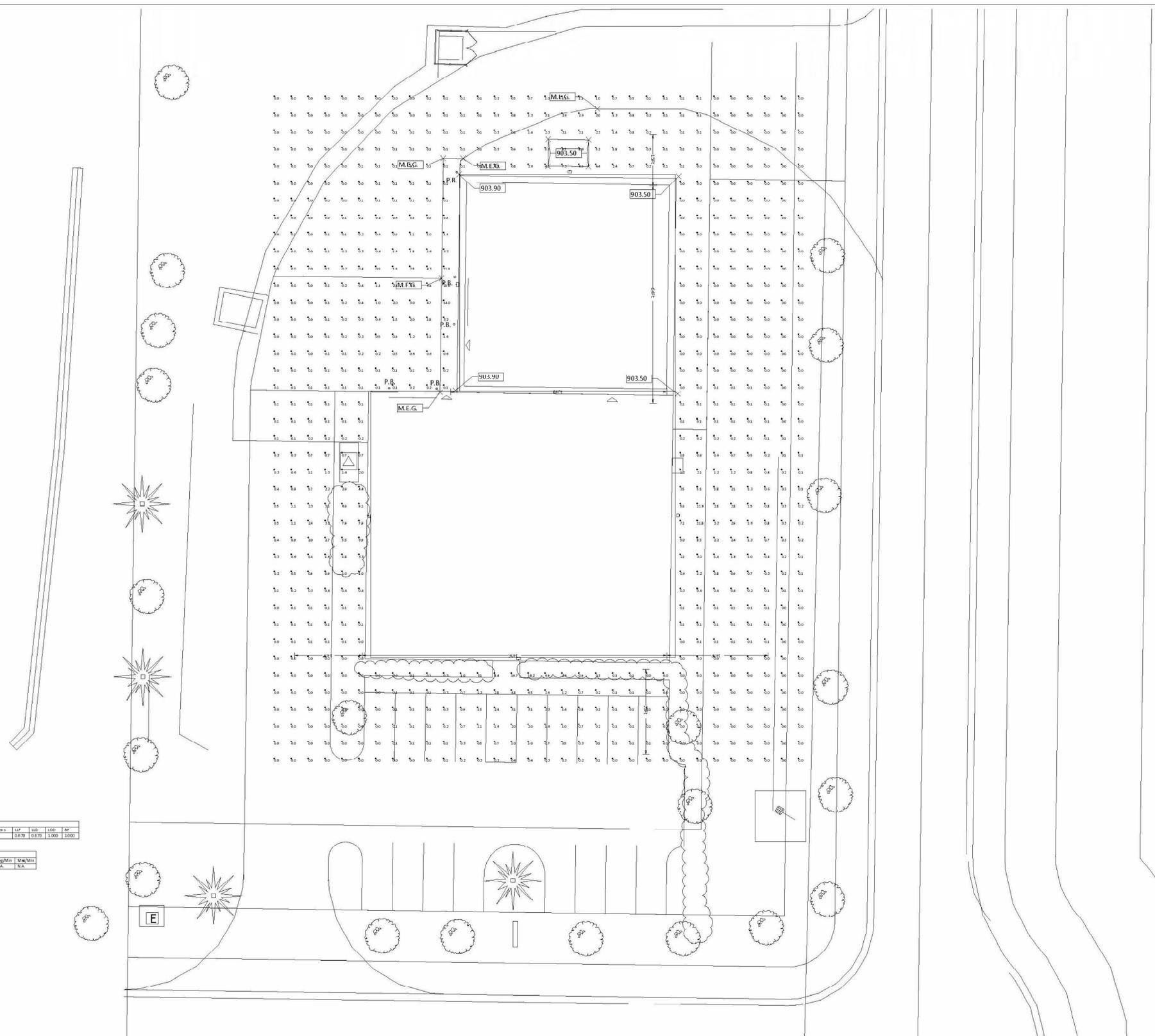


Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lumens	UF	LLD	LOD	SP
□	5	WPM04-FC 250-XX	SINGLE	14000	0.670	0.670	1.000	1.000

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcType	CalcType	Units	0.69	20.0	0.0	N.A.	N.A.



NOTES:

- (1) Layouts are produced using AGI32 software. Technicians have been trained and certified by Light Analysts- Littleton, Colorado.
- (2) It is understood that specification, performance and distribution vary widely among products. The indicated photometric values are for products listed on this document. Any variance during installation or product could cause light levels to shift.
- (3) Photometric information and IES files are provided by individual manufacturers. Specified Lighting utilizes standard practices to input these manufacturer provided files into AGI software.
- (4) Specified Lighting takes no responsibility in the verification of pre-existing conditions. We will use input values to best represent field conditions. However, due to construction methods, design changes and/ or finish options reflectance values can be altered. It should be understood that these properties can effect the final outcome of light levels.
- (5) This layout was produced using documents and information provided by others. Specified Lighting takes no responsibility in deeming this information reliable.
- (6) SLS is not responsible for field verification or input of environmental criteria on designs that require open or exposed ceiling decks. Photometric studies may be skewed due to unknown ceiling conditions, HVAC components and structural elements. Final light levels can not be guaranteed under these parameters.



SPECIFIED LIGHTING SYSTEMS
 8904 BASH ST, SUITE B
 INDIANAPOLIS, IN 46256
 (P) 317-577-8100
 (F) 317-577-8101

#	Date	Comments

Revisions

Drawn By: _____
 Checked By: _____
 Date: 10/12/2010
 Scale: _____

AFFCO
CITY, STATE ZIP CODE

DESCRIPTION

The Lumark Wal-Pak Series of wall luminaires provides traditional architectural style with high performance energy efficient illumination. Rugged die-cast aluminum construction, stainless steel hardware along with a sealed and gasketed optical compartment make the Wal-Pak virtually impenetrable to contaminants. IP65 Rated. Six available lamp sources including patent pending energy efficient LED, pulse start metal halide, compact fluorescent, ceramic metal halide, standard metal halide and high pressure sodium. UL and cUL wet location listed. The Wal-Pak wall luminaire is ideal for pathway illumination, building entrances, vehicle ramps, schools, tunnels, stairways and loading docks.

SPECIFICATION FEATURES

Housing

Rugged one-piece die-cast aluminum housing and hinged, removable die-cast aluminum door. One-piece silicone gasket seals the optical chamber. UL 1598 wet location listed and IP65 ingress protection rated. Not recommended for car wash applications.

Electrical

Ballasts, LED driver and related electrical components are hard mounted to the die-cast housing for optimal heat sinking and operating efficiency. Wiring is extended through a silicone gasket at the back of the housing. Three 1/2" threaded conduit entry points allow for thru-branch wiring. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from LED source. Integral LED electronic driver incorporates internal fusing designed to withstand a 3kV surge test and is Class 2 rated for 120-277V with an operating temperature of -30° to 60°C. Wal-

Pak LED systems maintain greater than 70% of the initial light output after 50,000 hours of operation. UL listed HID high power factor ballasts are Class H insulation rated (metal halide: 150, 175, 200, 250, 320, 350, 400W [-30°C / -20°F], (high pressure sodium: 50, 70, 100, 150, 250, 400W [-40°C / -40°F]. High efficiency HID ballasts are available in 120V, 208V, 240V, 277V, 347V and 480V. Compact fluorescent high power factor ballasts are Class P insulation rated for 120-277V and have a starting temperature of -18°C / 0°F.

Optical

Highly reflective anodized aluminum reflectors provide high efficiency illumination. Optical assemblies include impact resistant borosilicate refractive glass, Solite™ flat diamond patterned glass and full cutoff IESNA compliant configurations. Patent pending, solid state LED luminaires are thermally optimized with 2400 or 4000 lumen package modules. HID models are offered in horizontal medium or mogul-based

Catalog #		Type
Project		
Comments		Date
Prepared by		

metal halide [MH / MP] or high pressure sodium [HP] lamps. T6 ceramic metal halide [CM] and 4-pin compact fluorescent [CF] lamp models offer high efficiency energy saving illumination.

Door Assembly

Single point, captive stainless steel hardware secures the removable hinged door allowing for ease of installation and maintenance. Door assembly is hinged at the bottom for easy removal, installation and re-lamping.

Finish

Housing and door are protected with 5-stage TGIC **dark bronze** polyester powder coat paint. Premium TGIC power coat finishes withstand extreme climate changes while providing optimal color and gloss retention. Optional premium colors are available.



WP WAL-PAK

2400 - 4000 Lumen LED

39 - 400W

High Pressure Sodium

Pulse Start Metal Halide

Metal Halide

Ceramic Metal Halide

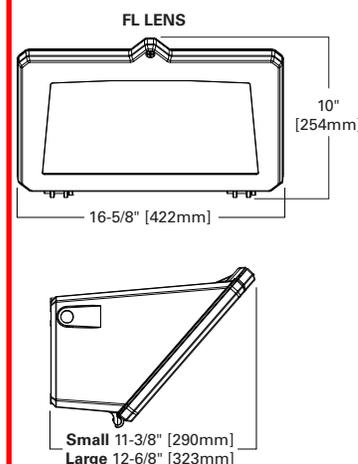
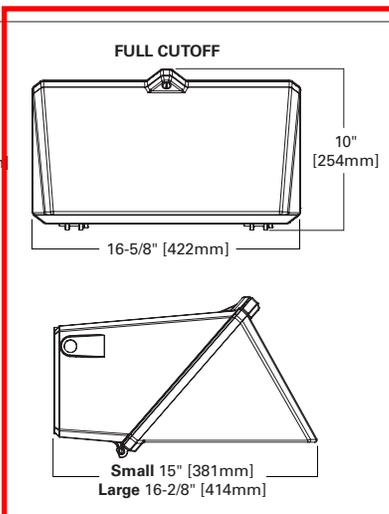
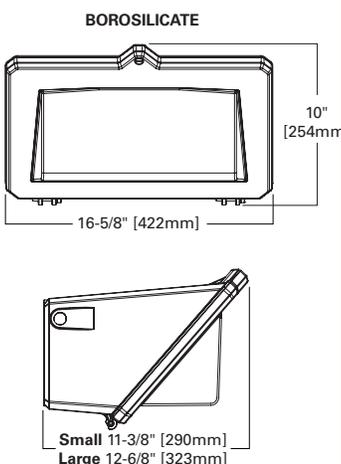
32 - 140W

Compact Fluorescent



WALL MOUNT LUMINAIRE

DIMENSIONS



TECHNICAL DATA

UL and cUL Wet Location Listed
IP65 Rated
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum
EISA @, ARRA, Title 20 Compliant
LM79 / LM80 Compliant

ENERGY DATA

Reactor Ballast Input Watts

50W HPS NPF (58 Watts)
70W HPS NPF (82 Watts)
100W HPS NPF (118 Watts)
150W HPS NPF (175 Watts)

High Reactance Ballast Input Watts

50W MP HPF (69 Watts)
70W MP HPF (94 Watts)
100W MP HPF (129 Watts)
150W MP HPF (185 Watts)

CWA Ballast Input Watts

200W HPS HPF (250 Watts)
200W MP HPF (227 Watts) @
250W MP HPF (283 Watts) @
320W MP HPF (365 Watts) @
350W MP HPF (400 Watts) @
400W HPS HPF (465 Watts)
400W MP HPF (452 Watts) @

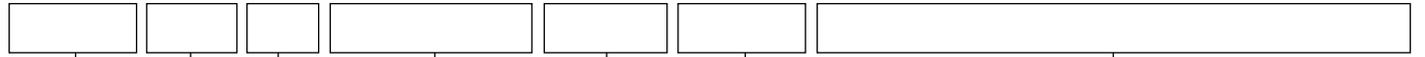
SHIPPING DATA

Approximate Net Weight:

32-42 lbs. (15-19 kgs.) ADH092103 pc
2010-10-04 16:57:40

ORDERING INFORMATION

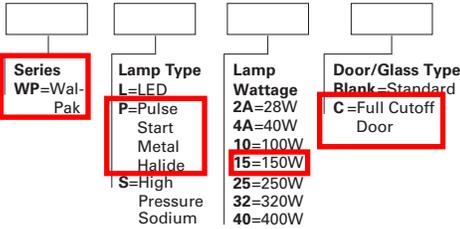
Sample Number: MPWP-GL-250-MT-2EM/SC/MR



- Lamp Type**
MP=Pulse Start Metal Halide
HP=High Pressure Sodium
LD=Solid State Light Emitting Diodes (LED)
CF=Compact Fluorescent¹
CM=Ceramic Metal Halide²
MH=Metal Halide³
- Series**
WP=Wal-Pak
- Door Type⁴**
GL=Borosilicate Glass Door
FC= Full Cutoff Door
FL=Flat Solite Glass Door
PL=Polycarb Refractor Door
- Lamp Wattage⁵**
LED
2A=(2400 Initial Lumens)
4A=(4000 Initial Lumens)
MP
50=50W
70=70W
100=100W
150=150W
200=200W
250=250W
320=320W
350=350W
400=400W
MH
175=175W
250=250W
400=400W
HP
50=50W
70=70W
100=100W
150=150W
250=250W
400=400W
CM
39=39W
70=70W
100=100W
150=150W
CF
32=32W
42=42W
57=57W
70=70W
64=(2-32)
84=(2-42)
114=(2-57)
140=(2-70)
- Voltage⁶**
120V=120V
277V=277V
347V=347V⁷
480V=480V
DT=Dual-Tap
MT=Multi-Tap
TT=Tri-Tap
5T=5-Tap
E= Electronic Ballast⁸
ED=Electronic LED Driver
- Options⁹**
F1=Single fuse¹⁰
F2=Double fuse¹⁰
PE=Photocontrol button¹⁰
LL=Includes lamp²
BK=Black housing
WH=White housing
GM=Graphite Metallic housing
AP=Grey housing
DP=Dark Platinum housing
DIMA=CF Dimming Ballast¹¹
DIMB=CF Dimming Ballast¹¹
SGL=Solite Glass Lens¹²
Q=Quartz Restrike T4 Lamp¹³
EM=Emergency Quartz Restrike T4 Lamp with Time Delay Relay¹³
EM/SC=Emergency Separate Circuit T4 Lamp¹³
QMR=Emergency Back-Up 1-MR16 Lamp^{14,15}
2QMR=Emergency Back-Up 2-MR16 Lamps^{14,15}
2QMR/SC=Emergency Back-Up MR16 and EM separate circuit 2-MR16 Lamp^{14,16}
EMMR=Emergency Back-Up 1-MR16 Lamp with Time Delay Relay^{14,15}
2EMMR=Emergency Back-Up 2-MR16 Lamps with Time Delay Relay^{14,15}
2EMMR/SC=Emergency Back-Up 1-MR16 Lamp with Time Delay Relay and EM Separate Circuit^{14,15,16}
EM/SC/MR=Emergency Back-Up Separate Circuit 1-MR16 Lamp^{14,15,16}
2EM/SC/MR=Emergency Back-Up Separate Circuit 2-MR16 Lamps^{14,15,16}
EM/SC/12V=Emergency Separate Circuit 12V 1-MR16 Lamp^{14,16,17}
2EM/SC/12V=Emergency Separate Circuit 12V 2-MR16 Lamps^{14,16,17}
EMI40=Emergency Cold Temperature UL 924 CF Power Pack 1 Lamp¹⁸
EMI40/2L=Emergency Cold Temperature UL 924 CF Power Pack 2 Lamp¹⁸
CF-EM=Emergency UL924 CF Power Pack 1 Lamp¹⁹
CF-EM/2L=Emergency UL924 CF Power Pack 2 Lamp¹⁹
EMLED-CD=LED Battery Back-Up Cold Temperature²⁰
- Accessories²¹**
WG/WPGL=Wire Guard Borosilicate Glass Lens Door
WG/WPFC=Wire Guard Full Cutoff Door
WG/WPFL=Wire Guard FL Lens Door
TR/WP=Tamper Resistant Screw and Bit
VS/WPGL=Polycarbonate Vandal Shield for Borosilicate Glass Lens Door

STOCK SAMPLE NUMBER - LAMP INCLUDED

SAMPLE NUMBER: WPP40C



NOTES: Options not available with stock products. Refer to standard order information to add options. MT is standard. Lamp Type: MP not available in 100W. HPS not available in 320W. Borosilicate glass door is standard. 2A and 4A models available in LED only. LED models are 120-277V.

BUG RATING	B	U	G	B	U	G
Borosilicate Glass Door (GL)						
LDWP-GL-2A-ED	0	3	2			
LDWP-GL-4A-ED	1	3	2			
Polycarbonate Lens (PL)						
LDWP-PL-2A-ED	0	3	2			
LDWP-PL-4A-ED	1	3	2			

For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

- NOTES:** 1 CF Single lamp offered in all door configurations. CF dual lamp models not offered with FL door type. 70W models not available with EMI40-2L, CF-EM, CF-EM-2L. CF not available in 347V.
- 2 All CM models offered with T6 envelope G12 lamp base. T6 Lamp included with CM models. Order LL with CM models. Ceramic Metal Halide (CM) is available with (MP) pulse start metal halide or E - Electronic Ballast. 400W MP must be ordered with LL option to be Title 20 Compliant.
- 3 MH products available for non-US markets only.
- 4 Small housing offered for 175W and below, CF and LD models. Large housing for 200W-400W. FL door not available with CF or 200-400W models. Polycarbonate lens available in models up to 175W max including LD. Polycarbonate lens not available with full cutoff door or FL models. Solite stipple glass is standard for FL lens. Clear glass is standard for full cutoff door types except for LD. LD full cutoff door is standard with solite glass.
- 5 LD nominal initial lumens prior to optical and configuration losses based on 67 CRI/5000K package at 25°C ambient. MH and MP 175W and below are medium base all others are mogul base. CF 64, 84, 114 and 140 models are offered in borosilicate glass and full cutoff doors only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. CF 140 models and 400W HPS rated for 25°C.
- 6 See Voltage Chart for descriptions. 5T available in 400W MH models only. 90°C Rated wire required for thru-branch wiring for units 175W and lower. 105°C Rated wire required for thru-branch wiring for units 200W and higher. Thru-branch wiring is rated for 40°C for LD and 175W and below. Higher wattage thru-branch wiring is rated for use in 25°C ambient operating environments.
- 7 347V not available with thru-branch wiring. For 347 or 480V LD specify voltage. ED will be supplied with integral step down transformer. 347V not available with CF lamps.
- 8 Available with 70-150W MP or CM lamps. E is standard for all CF models. All electronic ballasts are universal 120-277V.
- 9 Not all options can be combined. Only one emergency or battery back-up option available within the fixture. CF Models utilize EMI40, EMI40/2L, CF/EM or CF-EM/2L option for emergency egress. LD Models utilize EM-LED or EMLED-CD options only for battery back-up.
- 10 Must specify voltage. F1=120, 277 or 347V. F2=208, 240 or 480V. PE=120, 208, 240 or 277V.
- 11 DIMA dimming ballast, specify number of lamps, available for 1 or 2-26W or 1-32W, 1-42W. DIMB available for 2-42W, 1-57W or 1-70W.
- 12 SGL optional on HID and CF models only. See note number 4.
- 13 Q or EM not available with LD or E electronic ballast. Q or EM Minimum HID wattage is 70 watts. EM/SC available in 120V only, EM/SC not available with LD. Maximum 100W 120V T4 DC Bayonet Quartz lamp. Lamp supplied by others.
- 14 QMR, 2QMR, EMMR, 2EMMR & 2EMMR/SC not available with LD or E electronic ballast. Minimum HID wattage is 70 watts.
- 15 1 or 2 GU10 base 50W max - 120V Halogen. Lamps supplied by others. EM/SC/MR, 2EM/SC/MR, EM/SC/12V, 2EM/SC/12V not available with LD.
- 16 Emergency lamp leads out of the back of the unit to auxiliary power. Lamps independently wired to separate circuits.
- 17 Low Voltage 1 or 2 GU5.3 MR16 base, 12V DC, 35W max. Lamps supplied by others.
- 18 For use in 25°C ambient operating temperature environments. EMI40, EMI40/2L used for CF lamps. Specify 120 or 277V. EMI40 supports 1-70W CF max, EMI40/2L supports 2-32W CF max. Minimum -18°C/-4°F.
- 19 For use in 25°C ambient operating temperature environments. Specify 120 or 277V. CF-EM supports up to 1-57W CF. CF-EM/2L supports 2-18W CF. 18W lamps supplied by others. Minimum temperature is 0°F/32°C.
- 20 EMLED-CD available with 4A models only. For use in 25°C ambient operating temperature environments. Specify 120 or 277V. EMLED-CD minimum -20°C/-4°F. Battery pack is a UL recognized component.
- 21 Order separately.

VOLTAGE CHART	
DT=Dual-Tap	120/277 (wired 277V)
MT=Multi-Tap	120/208/240/277 (wired 277V)
TT=Tri-Tap	120/277/347 (wired 347V)
5T=5 Tap	120/208/240/277/480 (wired 480V)
E=Electronic Ballast	120-277V (Universal) (50/60 HZ)
ED=Electronic LED Driver	120-277V (Universal) (50/60 HZ)

LAMP TYPE	WATTAGE
Pulse Start Metal Halide	50, 70, 100, 150, 200, 250, 320, 350, 400W
Metal Halide	175, 250, 400W
High Pressure Sodium	50, 70, 100, 150, 250, 400W
T6 Ceramic Metal Halide	39, 70, 100, 150W
Compact Fluorescent	(1) 32, (1) 42, (1) 57, (1) 70, (2) 32, (2) 42, (2) 57, (2) 70
LED	2A (2400 Initial Lumens), 4A (4000 Initial Lumens)