

LUMINAIRE SCHEDULE			
FIXTURE MARK	DESCRIPTION	MANUFACTURER(S)	LAMP DESCRIPTION
(FA)	4" ENCLOSED AND GASKETED INDUSTRIAL STRIP FIXTURE WITH HIGH IMPACT ACRYLIC DIFFUSER, ONE 2-LAMP INSTANT START ELECTRONIC BALLAST, HIGH POWER FACTOR WITH <10% THD, MVOLT OPERATION, COLD WEATHER OPERATION (0 DEGREE START).	1. LITHONIA DMW SERIES 2. LIGHTOLIER FT4WA SERIES 3. METALUX VT2 SERIES 4. DAY-BRITE DW SERIES	(2) F32T8/SP35/ECCO
(FB)	6" APERTURE RECESSED LENSED COMPACT FLUORESCENT DOWNLIGHT WITH DIE-CAST ALUMINUM SOCKET HOUSING, EXPANDABLE SELF-LOCKING MOUNTING BARS, HORIZONTALLY MOUNTED THERMOPLASTIC SOCKETS, SPUN ALUMINUM HOUSING REGRESSSED WHITE SPLAY WITH FLAT FRESNEL LENS. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS. BALLAST SHALL BE ELECTRONIC MVOLT HIGH POWER FACTOR, CLASS A SOUND RATED, CLASS P THERMAL RATED.	1. LITHONIA GOTHAM LGF SERIES 2. LIGHTOLIER UNI-FRAME SERIES 3. PORTFOLIO C SERIES 4. OMEGA S6 SERIES	(1) F32T8/835/A/ECCO
(X)	EXIT LIGHT SHALL BE MOUNT AS REQUIRED TYPE WITH WHITE THERMAL PLASTIC HOUSING, HIGH OUTPUT LED DIFFUSE LIGHT PANEL, SINGLE STENOIL WHITE FACE, RED LETTERS AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. FIXTURE SHALL HAVE SELF-DIAGNOSTICS AND BE SUITABLE FOR DUAL VOLTAGE OPERATION. UNIT SHALL BE COMPLETELY SELF-CONTAINED WITH MAINTENANCE FREE NICAD BATTERY CAPABLE OF PROVIDING 90 MINUTE FULL LIGHT OPERATION. COLD WEATHER OPTION.	1. LITHONIA LQM 2. LIGHTOLIER LL SERIES 3. SURE-LITES LPX SERIES 4. MCPHILBEN VE SERIES	HIGH OUTPUT LED LIGHT PANEL

LUMINAIRE SCHEDULE GENERAL NOTES

- REFER TO ELECTRICAL BOOK SPECIFICATIONS FOR MORE INFORMATION.
- ALL LIGHT FIXTURES SHALL BE UL LABELED.
- FIRST MANUFACTURER LISTED IS BASIS OF DESIGN. OTHER MANUFACTURERS LISTED ARE APPROVED MANUFACTURERS.
- ELECTRICAL TRADES SHALL PROVIDE COMPLETE SUBMITTALS (SHOP DRAWINGS) ON ALL LIGHT FIXTURES, LAMPS, CONTROLS AND ACCESSORIES, ETC. REFER TO SPECIFICATION FOR SUBMITTAL FORMAT AND PROCESS. NO EXCEPTIONS ALLOWED. NON-COMPLETE OR INCORRECT FORMAT WILL RESULT IN BACK CHARGES TO CONTRACTOR AND NOT APPROVED SUBMITTALS.
- ALL LUMINAIRES AND CONTROLS SHALL COMPLY WITH THE MICHIGAN UNIFORM ENERGY CODE AND ASHRAE 90.1. REFER TO THE BOOK SPECIFICATIONS AND DRAWINGS FOR MORE INFORMATION ON LIGHTING CONTROLS.

LIGHTING SYMBOL LIST	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE
	FLUORESCENT NIGHT LIGHT FIXTURE
	FLUORESCENT EMERGENCY LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	DOWNLIGHT
	DOWNLIGHT WALL WASH FIXTURE
	WALL SCONCE LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	INTERIOR WALL MOUNTED LIGHT FIXTURE
	TRACK AND TRACK MOUNTED LIGHT FIXTURES
	CEILING MOUNTED EXIT LIGHT - ARROWS AS INDICATED ON PLAN (SHADED AREA INDICATES FACE(S) OF FIXTURE)
	WALL MOUNTED EXIT LIGHT - ARROWS AS INDICATED ON PLAN (SHADED AREA INDICATES FACE(S) OF FIXTURE)
	EMERGENCY BATTERY UNIT
	COMBINATION EMERGENCY BATTERY UNIT/EXIT SIGN
	EXTERIOR POLE MOUNTED LIGHT FIXTURE
	EXTERIOR WALL MOUNTED LIGHT FIXTURE
	EXTERIOR POST TOP LIGHT FIXTURE
	BOLLARD LIGHT FIXTURE
	SINGLE POLE SWITCH
	TWO POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	KEYED SWITCH
	DIMMER SWITCH
	LOW VOLTAGE SWITCH
	SWITCH WITH PILOT LIGHT
	MOTOR RATED SWITCH
	DUAL SWITCH

LIGHTING CONTROLS LEGEND	
SYMBOL	DESCRIPTION
	TS-400 TIMER SWITCH
	WA-200 WALL SENSOR SWITCH
	DT-300 DUAL TECHNOLOGY OCCUPANCY SENSOR
	DAYLIGHT SENSOR
	PHOTOCELL

- ALL EQUIPMENT MODEL NUMBERS ARE WATT STOPPER.
- SIZE SENSORS BASED ON SQUARE FOOTAGES OF AREAS TO BE COVERED.

FIRE ALARM SYMBOL LIST	
SYMBOL	DESCRIPTION
	AUDIBLE DEVICE
	COMBINATION AUDIBLE/VISUAL DEVICE
	CEILING MOUNTED AUDIBLE/VISUAL DEVICE
	VISUAL DEVICE
	CEILING MOUNTED VISUAL DEVICE
	FIRE DEPARTMENT COMMUNICATION OUTLET
	MANUAL PULL STATION
	SMOKE DETECTOR (ZONED AS INDICATED)
	PHOTOELECTRIC SMOKE DETECTOR (ZONED AS INDICATED)
	HEAT DETECTOR (ZONED AS INDICATED)
	TAMPER SWITCH
	FLOW SWITCH
	DUCT MOUNTED SMOKE DETECTOR
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL

ELECTRICAL ABBREVIATIONS	
ABBREV.	DESCRIPTION
AF	AMP FUSE
AFF	ABOVE FINISHED FLOOR
AIC	AVAILABLE INTERRUPTING CURRENT (AMPS)
ATS	AUTOMATIC TRANSFER SWITCH
CB	CIRCUIT BREAKER
(E)	EXISTING ELECTRICAL EQUIPMENT OR WORK
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
G/GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
HOA	HAND-OFF-AUTO
IG	ISOLATED GROUND
LP	LIGHTING PANEL
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUG ONLY
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSIBLE
NIC	NOT IN CONTRACT
P	POLE
(R)	RELOCATED EXISTING ELECTRICAL EQUIPMENT
(RR)	REMOVE AND REINSTALL
RMC	RIGID METALLIC CONDUIT
RP	RECEPTACLE PANEL
TBB	TELEPHONE BACKBOARD
TYP.	TYPICAL
WP	WEATHERPROOF

POWER SYMBOL LIST	
SYMBOL	DESCRIPTION
	TIME CLOCK
	CONTACTOR
	HARD WIRE CONNECTION BY ELECTRICAL CONTRACTOR
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET MOUNTED 6" ABOVE FINISH COUNTER
	CEILING MOUNTED DUPLEX RECEPTACLE OUTLET
	EMERGENCY DUPLEX RECEPTACLE OUTLET
	DEDICATED DUPLEX RECEPTACLE OUTLET
	QUAD RECEPTACLE OUTLET
	DEDICATED QUAD RECEPTACLE OUTLET
	FLOOR MOUNTED DUPLEX RECEPTACLE OUTLET
	NEMA RECEPTACLE OUTLET (CONFIGURATION AS NOTED)
	PLUG STRIP
	JUNCTION BOX (C=CEILING MOUNTED)
	RECEPTACLE PANEL
	LIGHTING PANEL
	DISTRIBUTION/EQUIPMENT POWER PANEL
	TRANSFORMER
	SINGLE PHASE MOTOR
	THREE PHASE MOTOR
	CONDUIT DOWN
	CONDUIT UP
	GROUNDING ROD
	GROUND
	GROUNDING BAR
	METER
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MAGNETIC MOTOR STARTER

AUXILIARY SYST. SYMBOL LIST	
SYMBOL	DESCRIPTION
	TELEPHONE OUTLET
	FLOOR MOUNTED TELEPHONE OUTLET BOX (TYP.)
	TELEPHONE OUTLET MOUNTED 6" ABOVE FINISHED COUNTER
	DATA OUTLET
	COMBINATION OUTLET (VOICE, VIDEO, AND/OR DATA)
	PUSH BUTTON
	BELL
	CARD READER
	MAGNETIC DOOR HOLD
	TELEVISION OUTLET
	WALL CLOCK
	DOUBLE SIDED WALL CLOCK
	COMBINATION WALL CLOCK / SPEAKER
	SPEAKER
	CAMERA

DRAWING INDEX	
SHT NO	DESCRIPTION
EO.00	ELECTRICAL GENERAL INFORMATION
E1.11	STORAGE BUILDING ELECTRICAL PLAN

DRAWING NOTATION	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE TAG
	CONSTRUCTION KEY NOTE NUMBER 1
	DEMOLITION KEY NOTE NUMBER 1
	EQUIPMENT DESIGNATION (I.E. EXHAUST FAN NUMBER 1)
	EXISTING DEVICES OR EQUIPMENT
	NEW OR MODIFIED DEVICES OR EQUIPMENT
	NEW OR MODIFIED UNDERGROUND WIRING
	EXISTING SYSTEM COMPONENT TO BE REMOVED
	POINT OF NEW CONNECTION.

SECTION NUMBER 4

SECTION NO. 6

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

**Hazel Park High School
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Reg State

Arch. Name		Registration Number	Arch. Num	Date	Issue	Date

Description	Revisions	Date	Rev

Date: 134014
Date: May 27, 2013
Drawn: _____
Check: _____
North

**ELECTRICAL
GENERAL
INFORMATION**

Scale:
EO.00