

NW CORNER E 1/2 SW 1/4 SEC. 36, T19N, R3E IRON PIPE FOUND DURING 2012 SURVEY

MAG NAIL FOUND WITH CRUPE WASHER 0.3' E. & 0.2' S. OF CORNER

ZONE: COMMERCIAL

GENERAL NOTES

- IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE DESIGNER.
- ALL SHRUBS PLANTING AREAS TO BE COVERED WITH 4" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. ALL GROUND COVER BEDS SHALL BE COVERED WITH 1" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY LANDSCAPE DESIGNER AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE OBTAINED FROM SAWMILL OR LUMBERING OPERATIONS. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
- AN APPROVED PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING AND GROUND COVER BEDS AT RATES SPECIFIED BY MANUFACTURER FOR EACH VARIETY OF PLANT.
- FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE DESIGNER BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODED STAKE INDICATING VARIETY AND SIZE OF TREE. ALL GROUND COVER AND MULCH BED LINES SHALL BE MARKED BY A HIGHLY VISIBLE PAINT LINE WITH OCCASIONAL WOOD STAKES FOR REFERENCE. ALL STAKES SHALL BE REMOVED FOLLOWING PLANTING OPERATIONS. LANDSCAPE DESIGNER RESERVES THE RIGHT TO ADJUST PLANT LOCATIONS ON SITE. NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTORS OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
- ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
- PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION OPERATIONS AND AS DIRECTED BY OWNER.
- ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE DESIGNER. AT THE END OF THIS PERIOD, PLANT MATERIAL TERMED DEAD OR UNSATISFACTORY BY LANDSCAPE DESIGNER SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
- THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF WORK. PEAT MOSS TO BE USED ON PROJECT SHALL BE A DOMESTIC OR IMPORTED MATERIAL, CHOCOLATE BROWN IN COLOR AND COMPOSED OF PARTIALLY DECOMPOSED VEGETABLE MATERIAL. PEAT MOSS TO ALSO BE MILDLY ACIDIC IN CHARACTER AND SHALL MEET APPROVAL OF LANDSCAPE DESIGNER.
- LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER IN WRITING PRIOR TO BID DATE OF ANY PLANTS THAT THE FEELS MAY NOT SURVIVE IN LOCATIONS NOTED.
- ALL LANDSCAPING PLANTINGS TO BE MAINTAINED FOR 1 YEAR FOLLOWING TURNOVER. MAINTENANCE TO INCLUDE WATERING, WEEDING, CULTIVATION, MULCHING, MOWING AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF PLANTINGS. NOTE: AT END OF MAINTENANCE PERIOD, CONTRACTOR TO REMOVE GUYING AND STAKING FROM TREES.
- CONTRACTOR TO SUBMIT UNIT PRICES ON EVERY TYPE OF WORK AS REQUESTED BY LANDSCAPE DESIGNER.
- BACKFILL FOR TREE AND SHRUB PLANTING SHALL BE 75% APPROVED TOPSOIL AND 25% APPROVED PEAT MOSS. TOP LAYER OF BACKFILL SHALL BE 100% EXISTING TOPSOIL. A 5-10-5 ANALYSIS SLOW RELEASE FERTILIZER SHALL BE INCORPORATED INTO BACKFILL AT APPROVED RATES.
- PROVIDE MINIMUM 4" PLANTING SOIL IN ALL GROUND COVER AND FLOWER AREAS WITH MIXTURE COMPRISING OF ONE PART COMMERCIAL GRADE "POTTING SOIL", 5 PARTS TOPSOIL AND 4 PARTS PEAT MOSS. A FULL 4" LAYER OF APPROVED SHREDDED FIBROUS PEAT MOSS MAY BE USED IN LIEU OF PLANTING MIX.
- PLANTS SHALL BEAR A TAG SHOWING GENUS, SPECIES AND VARIETY.
- PLANTS SHALL BE CERTIFIED BY THE STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES AND FREE FROM DISEASE OR HAZARDOUS INSECTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PERTAINING TO THEIR PHASE OF WORK. UTILITIES ARE SHOWN TO BE APPROXIMATE. CALL UTILITY LOCATE PRIOR TO ANY PLACEMENT OF PLANT MATERIAL OR OTHER LANDSCAPE MATERIAL.

LANDSCAPE RECOMMENDATIONS

REQUIREMENT:	REQUIRED:	PROVIDED:
WC 16.06.050 - ON-SITE AND STREET FRONTAGE LANDSCAPING REQUIREMENTS: - ON-SITE STANDARDS: 10 SHADE TREES, 10 ORNAMENTAL TREES, AND 25 SHRUBS PER ACRE (0.944 AC+) - ROAD FRONTAGE FOR COMMERCIAL SITES, ONE SHADE TREE WILL BE PLACED FOR EVERY 40 FEET OF STREET FRONTAGE	- 10 SHADE TREES - 10 ORNAMENTAL OR EVERGREEN TREES - 24 SHRUBS	- 10 SHADE TREES - 20 ORNAMENTAL OR EVERGREEN TREES - 149 SHRUBS
PARKING LOT LANDSCAPING (WC 16.06.070 - 01): - 50 OR MORE PARKING SPACES REQUIRE THAT 10% OF THE VEHICULAR USE AREA BE LANDSCAPED (-22,076 SF). - 1 TREE AND 4 SHRUBS PER ISLAND	- 2,208 SF OF LANDSCAPED AREA (10%) - 3 TREES - 32 SHRUBS	- 8,100 SF OF LANDSCAPED AREA (37%) - 8 TREES - 53 SHRUBS
- PERIMETER PARKING: ONE TREE PER 30' LINEAR FEET AND ONE SHRUB PER 3' FEET OF PARKING LOT LENGTH	- 3 TREES - 32 SHRUBS	- 3 TREES - 32 SHRUBS
BUFFER YARD (WC 16.06.060): - 1 EVERGREEN TREE AND 5 EVERGREEN SHRUBS PER 30' LF (-270' TO WEST)	- 9 EVERGREEN TREES - 45 EVERGREEN SHRUBS	- 9 EVERGREEN TREES - 45 EVERGREEN SHRUBS

* PERIMETER PARKING REQUIREMENTS INCLUDE S.R. 32 OVERLAY ZONING

PLANT SCHEDULE

PLANT KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	ROOT CONDITION	CENTERS	SPECIAL INSTRUCTIONS
CANOPY DECIDUOUS TREES							
GIS	GLEDTISIA TRIACANTHOS INERMIS 'SKYCOLE' PP1618	SKYLINE HONEYLOCUST	2 1/2"	4 X			SEE PLAN X
Lt	LIRIODENDRON TULIPIFERA	TULIP TREE	2 1/2"	2 X			SEE PLAN X
Qr	QUERCUS ROBUR	RED OAK	2 1/2"	4 X			SEE PLAN X
EVERGREEN TREES							
PgD	PICEA GLAUCOA DENSATA	BLACK HILLS SPRUCE	6'	9 X			SEE PLAN X
ORNAMENTAL UNDERSTORY TREES							
AgA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	1 1/2"	6 X			SEE PLAN X
MaP	MALUS 'PRAIRIE FIRE'	'PRAIRIE FIRE' CRABAPPLE	1 1/2"	5	X		SEE PLAN X
DECIDUOUS SHRUBS							
EaC	EUONYMUS ALATA 'COMPACTA'	DWARF BURNING BUSH	#5	6	X		SEE PLAN MIN. 36"
RaG	RHUS AROMATICA 'GROLOW'	GROLOW SUMAC	#1	20	X	XX	MIN 18"
Wr	WEIGELA FLORIDA 'RED PRINCE'	RED PRINCE WEIGELA	#5	26	X		SEE PLAN
EVERGREEN SHRUBS							
BkG	BUXUS X KOREANA 'GREEN GEM'	GREEN GEM BOXWOOD	18"	53 X			SEE PLAN MIN 18"
IgC	ILEX GLABRA 'CHAMZIN'	NORDIC HOLLY	18"	44 X			SEE PLAN MIN 18"

LANDSCAPE PLAN NOTES

- SOD - ALL SOD SHALL BE CERTIFIED GRADE CULTIVATED GRASS SOD OF "ADVENTURE BLEND" TURF TYPE TALL FESCUE (BY GENERAL CONTRACTOR)
- LANDSCAPE BED EDGE (TYP.)
- FOUNDATION PLANTINGS (FLOWERS)
- VEHICULAR SIGHT TRIANGLE AT DRIVE ENTRANCE/EXIST TO PUBLIC ROAD.

LANDSCAPE NOTES

- REFER TO SHEET C102 FOR AREAS OF SEED AND MULCH. SOD TO BE USED AS AN ALTERNATE
- TREES SHALL NOT BE PLANTED WITHIN 10' OF STORM SEWER OR WITHIN 4' OF SIDEWALKS.

PROPOSED FUTURE RETAIL BY OTHERS

LOT 4
2.570 ACRES±
111,945.0 sq. ft.

LOCATION: H:\2013\130440\Engineering\Design\Concept\130440-L100.dwg
DATE/TIME: April 16, 2014 - 11:28am
PLOTTER: b7r_schaeff

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ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

REVISIONS AND ISSUES	DATE	BY	PROJECT NO.	ISSUED FOR WESTFIELD FILING	ISSUED FOR STATE RELEASE	REVISIONS AND LANDSCAPE PLANS
	03/07/2014	BJS	W13.0440			
	04/07/2014	BJS	W13.0440			
	04/19/2014	BJS	W130440-L100.dwg			

REGISTERED PROFESSIONAL ENGINEER
No. 80050
STATE OF INDIANA
NOTARY PUBLIC
ROBERT A. MEZYKOWSKI RLA 80050090

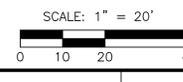
ROBERT A. MEZYKOWSKI RLA 80050090

PREPARED FOR:
DAIRY QUEEN
WHEELER ROAD AND TOURNAMENT TRAIL
LANDSCAPE PLAN

SHEET NO.
L100
PROJECT NO.
W13.0440



Within Indiana Call
811 or 800-382-5544
24 Hours a Day, 7 Days a Week.
PER INDIANA STATE LAW IC 8-1-26,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.



AGRICULTURAL

PHOTOMETRIC PLAN DESIGNED BY ESL-SPECTRUM
 WWW.ESL-SPECTRUM.COM
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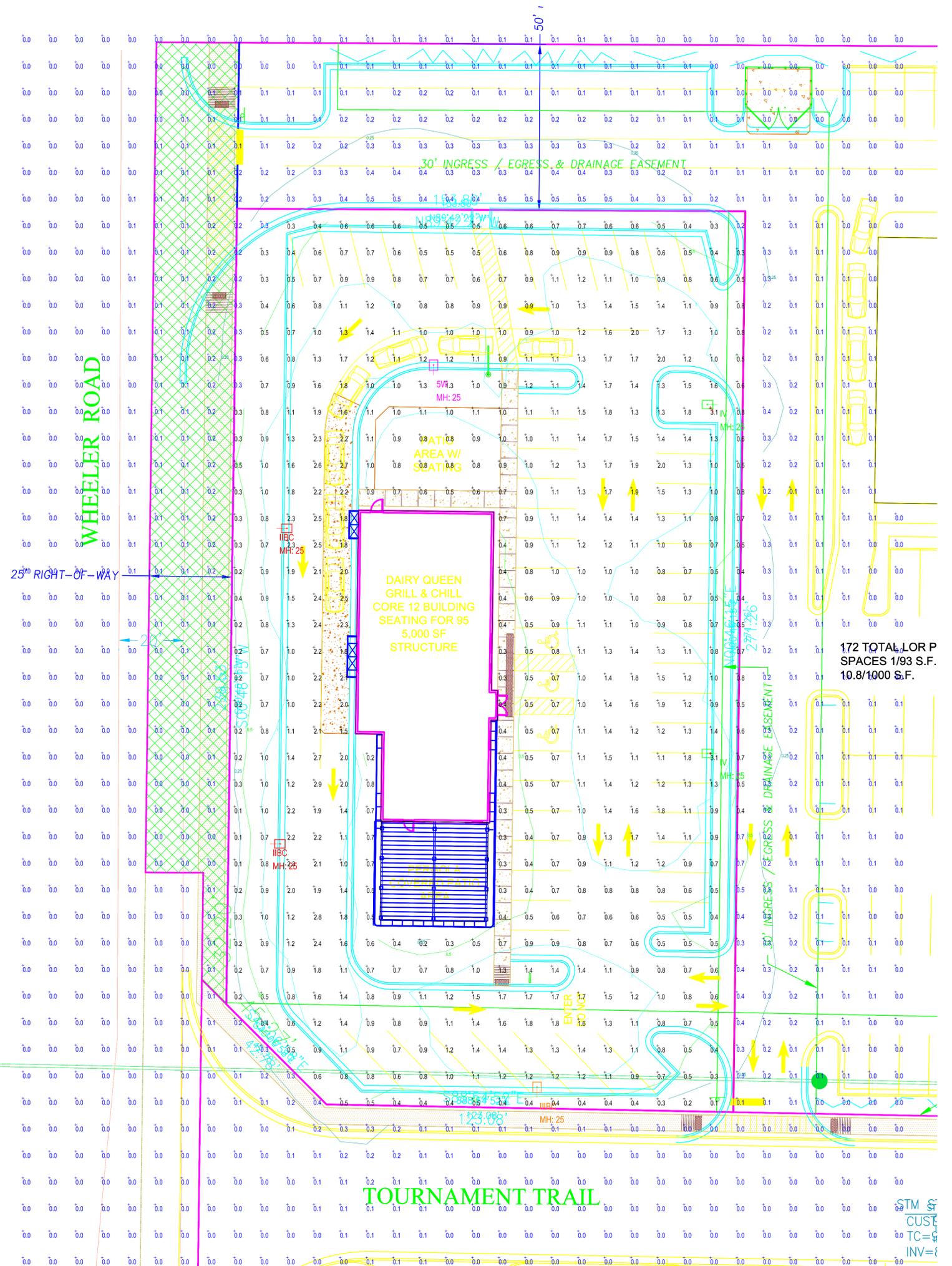
Luminaire Schedule							
Project: DAIRY QUEEN WESTFIELD, IN - SITE LIGHTING 20140068-RB							
Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	Description
	2	IIBC	SINGLE	141.6	9453	0.700	CL1-60L-5K-2-BC N2
	1	IIBC	SINGLE	140.6	8658	0.700	CL1-60L-5K-3-BC N2
	2	IV	SINGLE	143	13125	0.700	CL1-60L-5K-4 N2
	1	5W	SINGLE	141.5	12954	0.700	CL1-60L-5K-5W N2

CALCULATIONS ARE MAINTAINED HORIZONTAL ILLUMINANCE FIGURES IN FOOT-CANDLES
 POINTS SHOWN ARE AT GRADE
 FIXTURES ARE MOUNTED ON 25'-0" POLES

Calculation Summary							
Project: DAIRY QUEEN WESTFIELD, IN - SITE LIGHTING 20140068-RB							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DQ Lot_Grade	Illuminance	Fc	1.01	3.1	0.1	10.10	31.00
Perimeter_Grade	Illuminance	Fc	0.08	0.7	0.0	N.A.	N.A.

ESL-Spectrum's services are for estimation purposes only, and are not warranties.
 Final design and illumination levels must be determined and specified by an electrical engineer.
 Field results may differ from computer predictions because of many uncontrollable factors and adverse test conditions such as:
 line voltage variations, lamp performance, product manufacturing tolerances, jobsite conditions, and other unrecoverable light-loss factors.

THE FIXTURE TYPE(S) AND LAMPING(S) SPECIFIED ON THIS LAYOUT MUST BE USED IN ORDER TO MEET THE EXACT CRITERIA AND PERFORMANCE DATA SHOWN.
 IES RECOMMENDED ILLUMINANCE TARGETS USED WHERE APPLICABLE.



STM SF
 CUST
 TC=C
 INV=