

25-B-1

1998-0106

161 Marginal Way

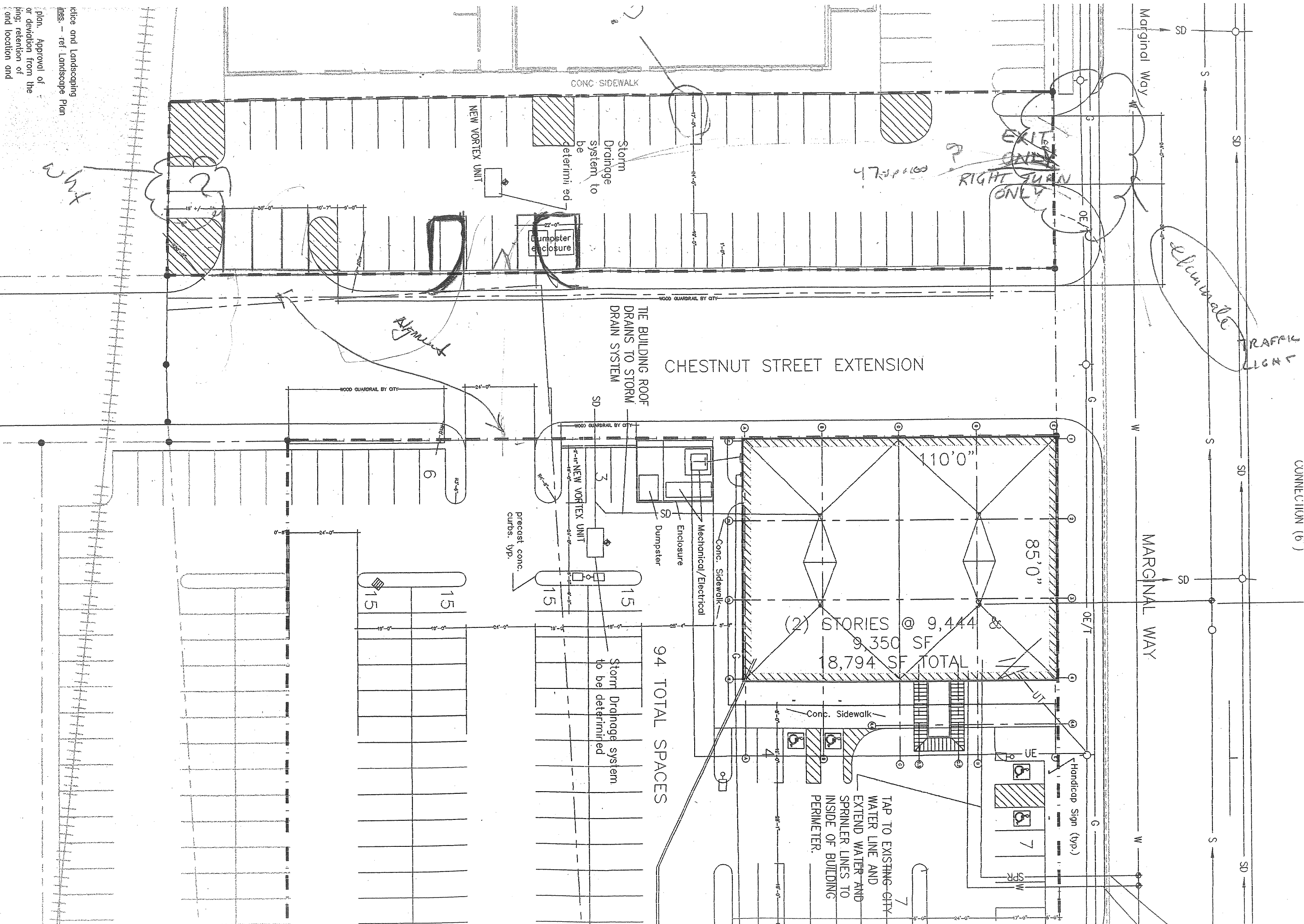
DHS Bld.

So. Maine Properties

Logged on Spreadsheet

Street corners, and Design Standards with Maine Erosion and Control Standards published by the Department of Environmental Protection. Approval of plan, Approval of or deviation from the plan; retention of and location of

N 39°54'30" E 820.16'



CONNECTION (b)

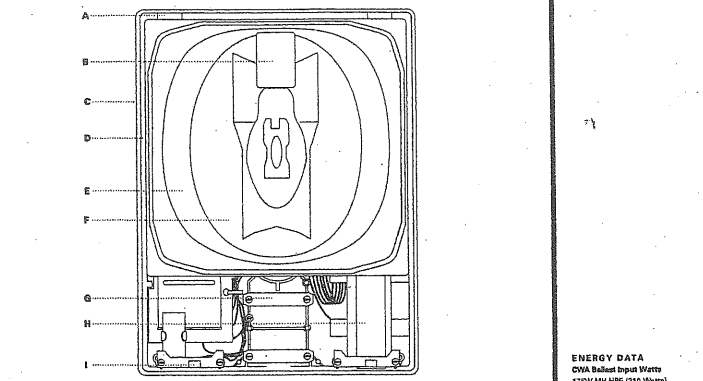
DESCRIPTION
The McGraw-Edison Concourse III is the most versatile, functionally designed, universally adaptable outdoor lighting available. Through a variety of mounting styles, it offers a family of low profile sharp-cutoff luminaires that make optimum use of today's high output HID sources.

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

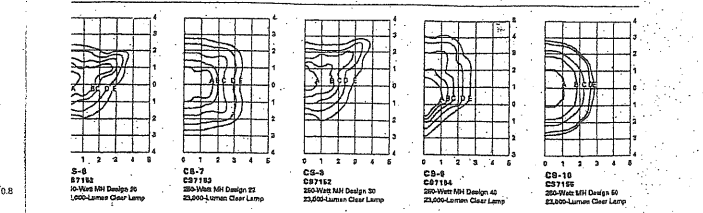
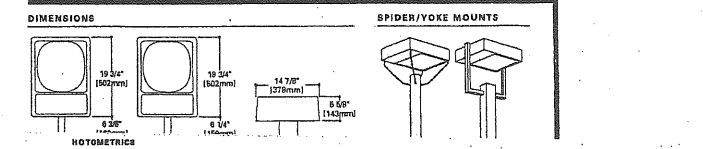
SPECIFICATION FEATURES

- A-Latches: Two spring-steel quick release latches on housing for toolless entry.
- B-Bracket: Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C-Housing: One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D-Gasketing: Closed coil gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E-Lens: Thermal shock and impact-resistant clear tempered glass.
- F-Optics: One-piece hydroformed, anodized aluminum reflectors provide five different optical distributions and sharp cutoff control.
- G-Mounting: Universal mounting clamp concealed in housing fits 1/2" to 2 3/8" O.D. horizontal luminaires without adapters. Provides a +5° vertical leveling adjustment.
- H-Ballast: Easily removable high power factor HID Multi-Tap ballast is standard.
- I-Hinges: Integral hinges prevent door rocking and optimize sealing capabilities.

C5CONCOURSE III
175-400W
Metal Halide
ARCHITECTURAL AREA LIGHT



ENERGY DATA
CWA Ballast Input Watts
115W MH PPF (210 Watts)
260W MH PPF (235 Watts)
400W MH PPF (435 Watts)



Standards Table

Model	Beam Spread	Mounting
S-6	10°	10000 Lumen Clear Lamp
CS-7	10°	25000 Lumen Clear Lamp
CS-9	10°	25000 Lumen Clear Lamp
CS-10	10°	25000 Lumen Clear Lamp
CS-11	10°	25000 Lumen Clear Lamp
CS-12	10°	25000 Lumen Clear Lamp

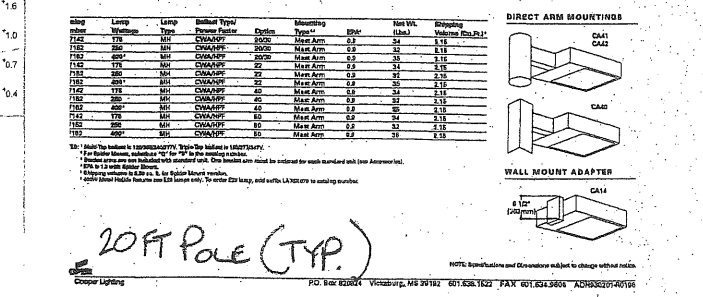
Pole Top Mounting for Spigots and Round Poles (under respective)

IDENTIFYING INFORMATION

JPLS NUMBER: 031759

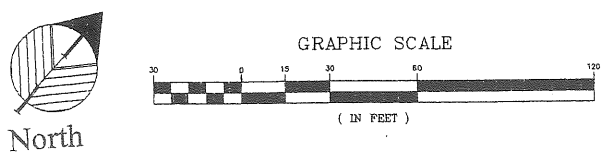
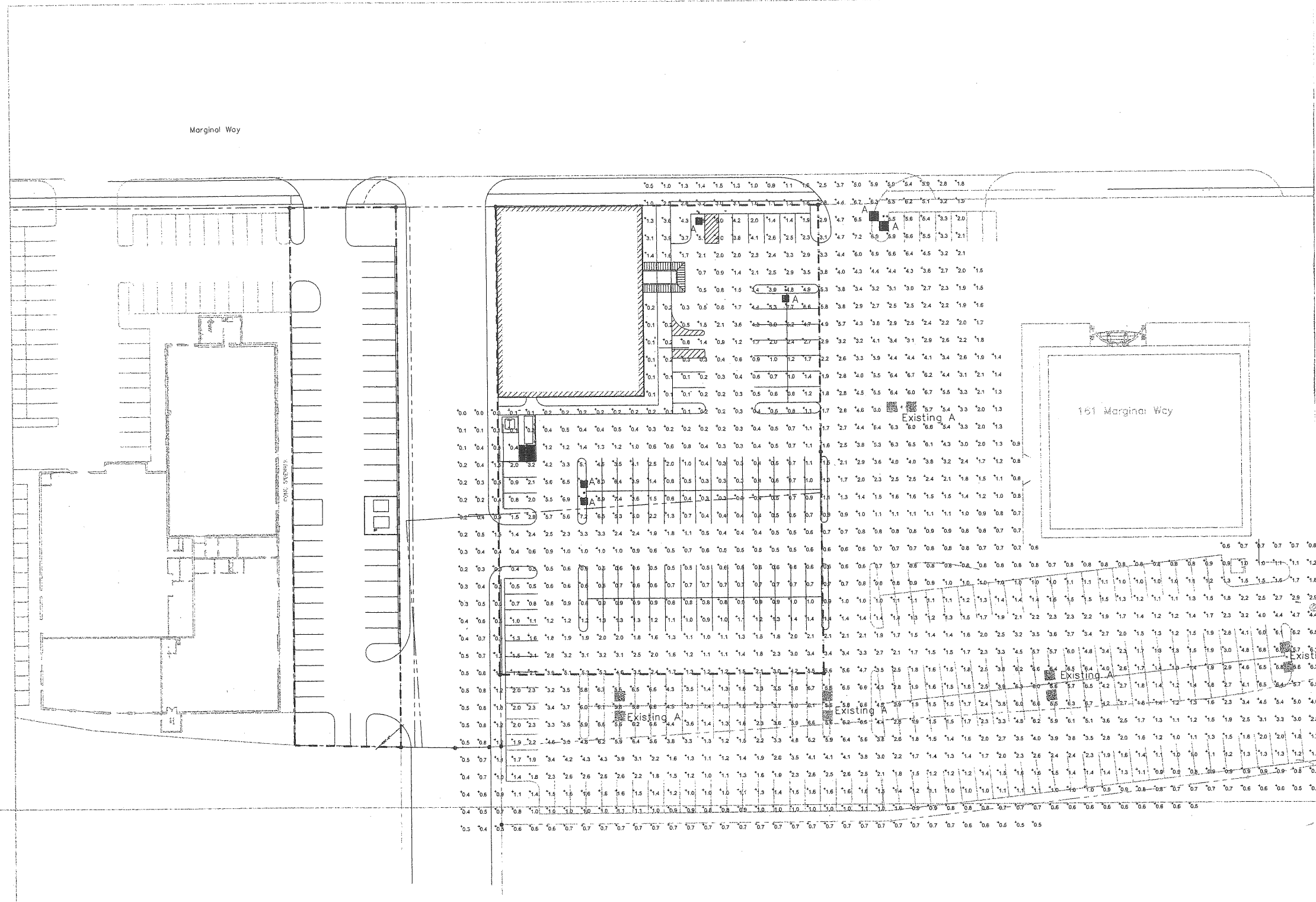
03 17 59

Model	Lens	Mounting	Beam Spread	Mounting	Max Ht.	Shipping
CS-6	10°	10000 Lumen Clear Lamp	10°	10000 Lumen Clear Lamp	24'	115
CS-7	10°	25000 Lumen Clear Lamp	10°	25000 Lumen Clear Lamp	24'	115
CS-9	10°	25000 Lumen Clear Lamp	10°	25000 Lumen Clear Lamp	24'	115
CS-10	10°	25000 Lumen Clear Lamp	10°	25000 Lumen Clear Lamp	24'	115
CS-11	10°	25000 Lumen Clear Lamp	10°	25000 Lumen Clear Lamp	24'	115
CS-12	10°	25000 Lumen Clear Lamp	10°	25000 Lumen Clear Lamp	24'	115



20 FT POLE (TYP.)

COOPER LIGHTING



12/15/03 Submitted for Planning Review/Approval

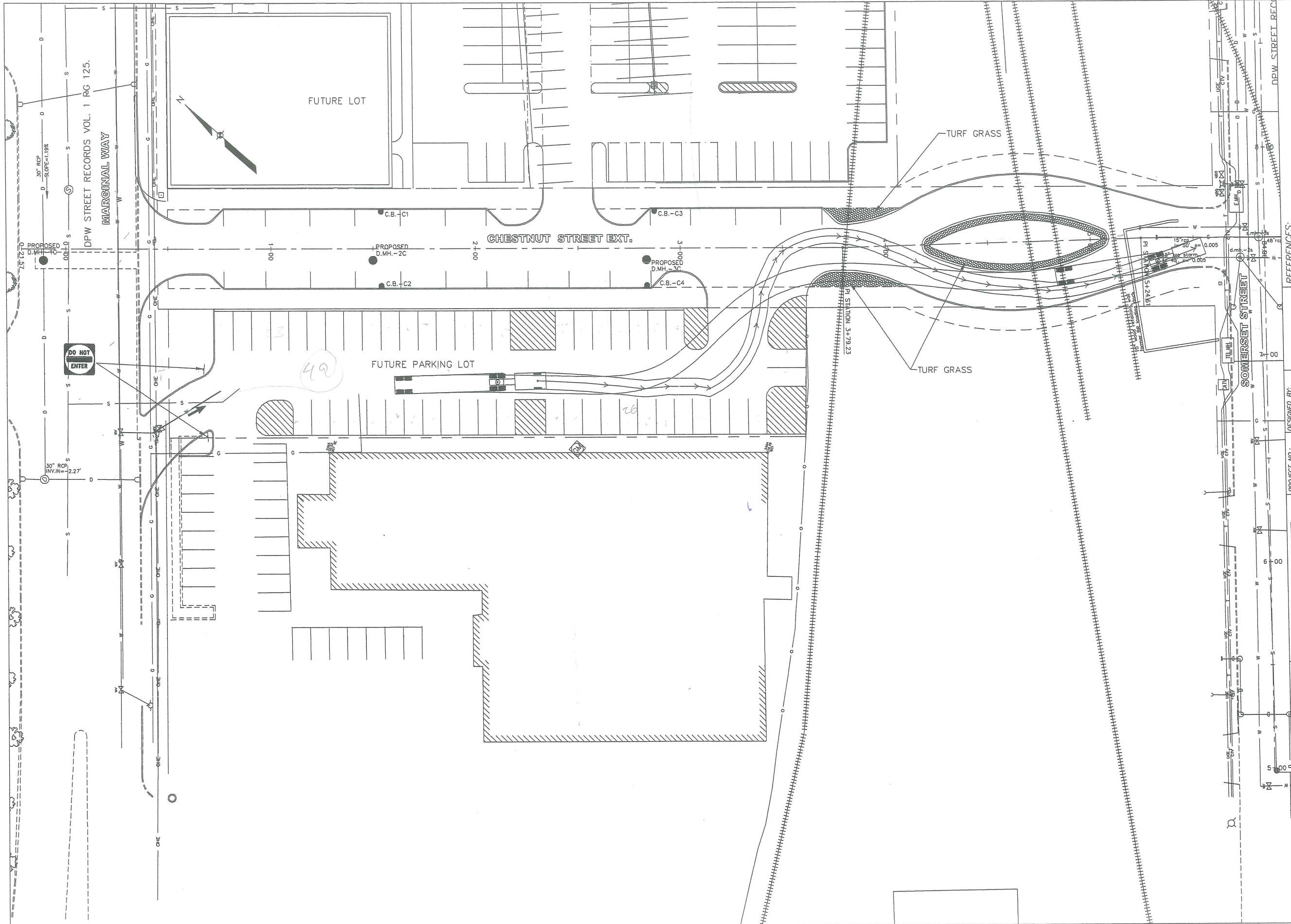
REV: BY: DATE: STATUS:

PHOTOMETRICS PLAN

FOR:
PROPOSED BUILDING
135 MARGINAL WAY
PORTLAND, ME 04101

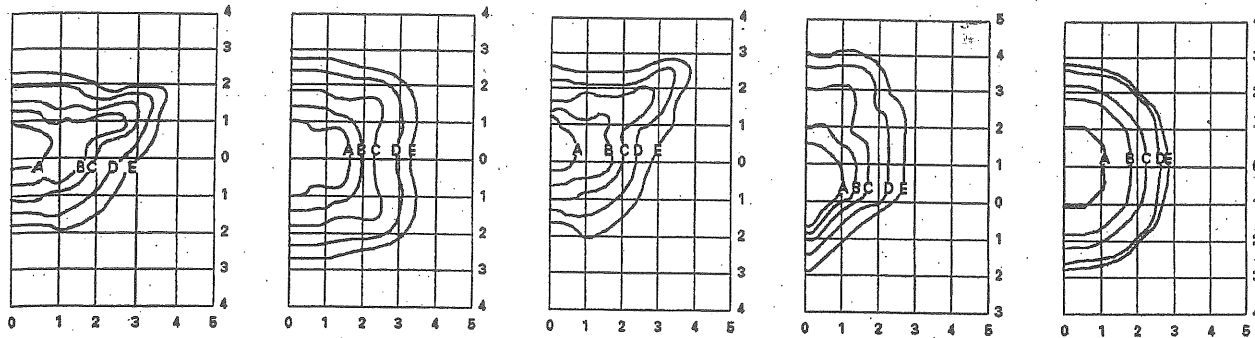
APPLICANT:
FIVE LIVER COMPANY
P.O. BOX 7525, PORTLAND ME

6
Sheet 6 of 10



CITY OF PORTLAND, MAINE PUBLIC WORKS DEPARTMENT ENGINEERING SECTION		CHESTNUT STREET EXTENSION PROJECT OPTION 1		PROJECT NO.: PROJECT#: DATE: 7-31-03 SCALE: 1"=20' (HORIZ.) 1"=4' (VERT.)		DESIGNED BY: L. HUMBLE DRAWN BY: B. MARQUIS L. HUMBLE CHECKED BY: O. MCCOLLUGH		REFERENCES: "CADD" PROJECT FILE: 02088 "CADD" DRAWING NAME: REFERENCE FILE NAME: PAPER SPACE VIEW NAME: PPT1 ALIGNMENT NAME: CHESTNUT	
DATE APPROVED _____ CITY ENGINEER		PLAN STA. 0+00 TO STA. 5+65							
SHEET# ? OF ??									

PHOTOMETRICS



Model	Wattage	Design	Lumen
CS-6	250	MH Design 20	23,000
CS-7	250	MH Design 22	23,000
CS-8	250	MH Design 30	23,000
CS-9	250	MH Design 40	23,000
CS-10	250	MH Design 50	23,000

Footcandle Table

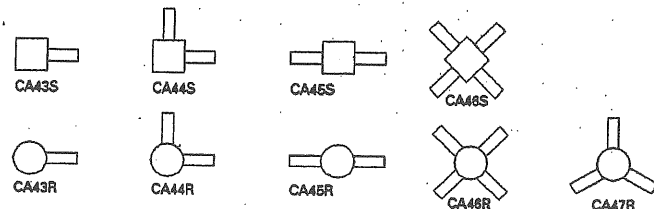
Select mounting height and read across for footcandle values of each isofootcandle line.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
15'	5.6	2.8	1.4	0.6	0.3
20'	3.1	1.6	0.8	0.3	0.2
25'	2.0	1.0	0.6	0.2	0.1
30'	1.4	0.7	0.3	0.1	0.1

For 400W MH, multiply footcandle readings by 1.74.

Pole Top Mounting for Square and Round Poles (order separately)

Slipfitter accommodates 2 3/8" - 3" O.D. pole top tenons. Catalog number includes slipfitter and mounting arm(s). Square unit height is 6 1/4". Round unit height is 6 3/4".



ORDERING INFORMATION

SAMPLE NUMBER: CS71529

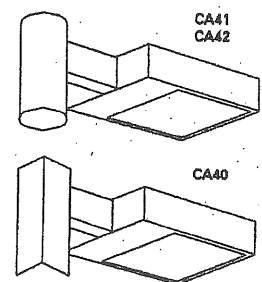
C S 7 1 4 5 9

Product Family	Housing Series	Lamp Type	Optics	Voltage	Options	Accessories
C-Concourse II	7-7000	1-MH Lamp Wattage: 4=175, 5=250, 6=400	2-Design 20/30 3-Design 22 4-Design 40 5-Design 50	1-120V 2-208V 3-240V 4-277V 5-480V 6-Triple-Tap 9-Multi-Tap	P-Button-type Photocontrol, Field Installed. (NEMA Twist-Lock Photocontrol Available Upon Request)	CA11-House Side Shield—Design 20 CA16-House Side Shield—Design 40 CA14-Wall Mount Adapter CA40-Direct Arm Mount for Square Pole (EPA 0.2) CA41-Direct Arm Mount for 3" Diameter Round Pole (EPA 0.2) CA42-Direct Arm Mount for 3 1/2" - 4" Diameter Round Pole (EPA 0.2)

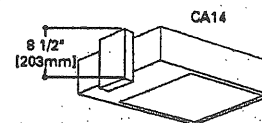
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/Power Factor	Optics	Mounting Type	EPA	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.)
CS7142	175	MH	CWA/HPF	20/30	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	20/30	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	20/30	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	22	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	22	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	22	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	40	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	40	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	40	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	50	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	50	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	50	Mast Arm	0.9	35	2.15

NOTES: * Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
 † For Spider Mount, substitute "G" for "B" in the catalog number.
 ‡ Bracket arms are not included with standard unit. One bracket arm must be ordered for each standard unit (see Accessories).
 § EPA is 1.3 with Spider Mount.
 ¶ Shipping volume is 0.50 cu. ft. for Spider Mount version.
 ** 400W Metal Halide fixtures use E28 lamps only. To order E28 lamp, add suffix LA70X078 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

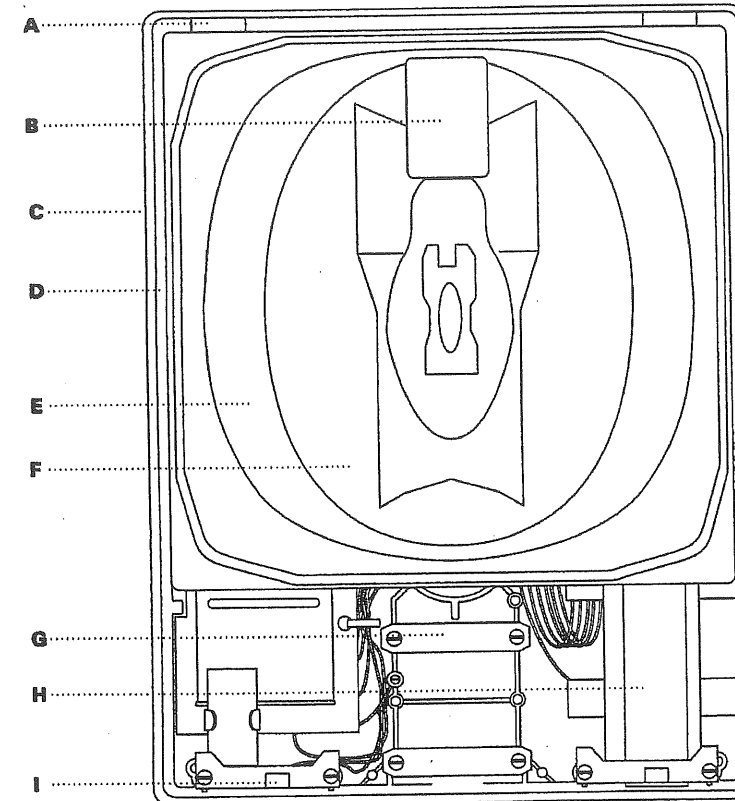
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APPLICATION

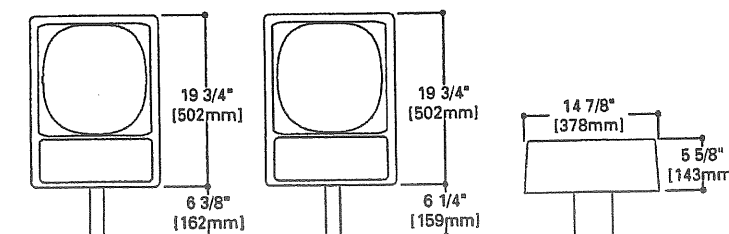
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SPECIFICATION FEATURES

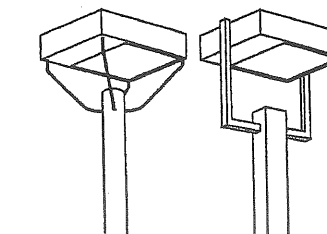
- A...Latches**
Two spring-steel quick release latches on housing for toolless entry.
- B...Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C...Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D...Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E...Lens**
Thermal shock and impact-resistant clear tempered glass.
- F...Optics**
One-piece hydroformed anodized aluminum reflectors provide five different optical distributions and sharp cutoff control.
- G...Mounting**
Universal mounting clamp concealed in housing fits 1 1/2" to 2 3/8" O.D. horizontal tenons without adapters. Provides a +5° vertical leveling adjustment.
- H...Ballast**
Easily removable high power factor HID Multi-Tap ballast is standard.
- I...Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.



DIMENSIONS



SPIDER/YOKE MOUNTS

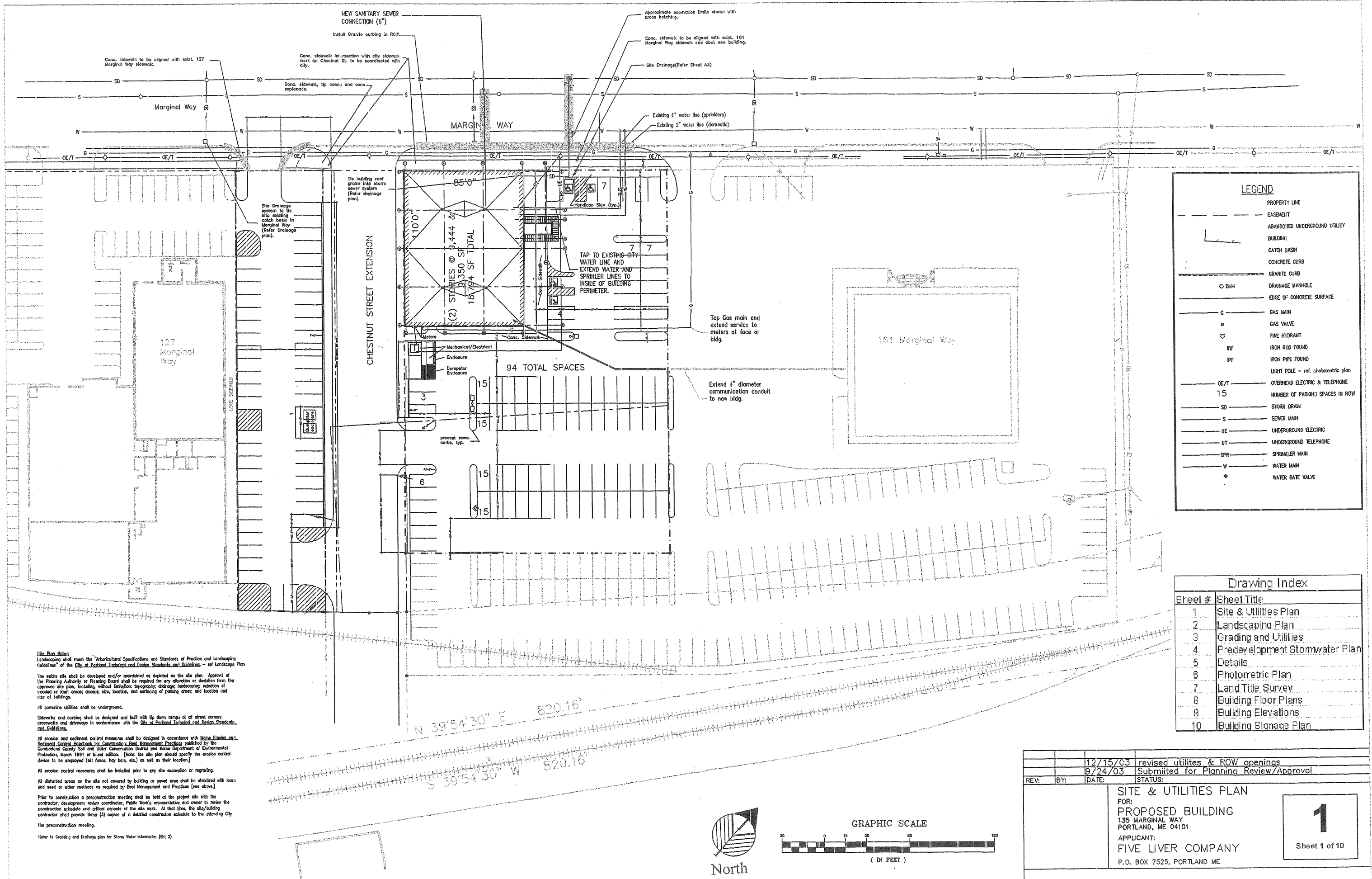


CSCONCOURSE III

175 - 400 W
Metal Halide

ARCHITECTURAL
AREA LIGHT

ENERGY DATA
CWA Ballast Input Watts
175W MH HPF (210 Watts)
250W MH HPF (295 Watts)
400W MH HPF (455 Watts)



LEGEND	
---	PROPERTY LINE
---	EASEMENT
---	ABANDONED UNDERGROUND UTILITY
---	BUILDING
---	CATCH BASIN
---	CONCRETE CURB
---	GRANITE CURB
○	DNH DRAINAGE MAN-HOLE
---	EDGE OF CONCRETE SURFACE
---	GAS MAIN
○	GAS VALVE
⊕	FIRE HYDRANT
IRF	IRON ROD FOUND
PF	IRON PIPE FOUND
---	LIGHT POLE - ref. photometric plan
OE/T	OVERHEAD ELECTRIC & TELEPHONE
15	NUMBER OF PARKING SPACES IN ROW
SD	STORM DRAIN
S	SEWER MAIN
UE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
SPR	SPRINKLER MAIN
W	WATER MAIN
◆	WATER GATE VALVE

Drawing Index	
Sheet #	Sheet Title
1	Site & Utilities Plan
2	Landscaping Plan
3	Grading and Utilities
4	Predevelopment Stormwater Plan
5	Details
6	Photometric Plan
7	Land Title Survey
8	Building Floor Plans
9	Building Elevations
10	Building Signage Plan

Site Plan Notes:
 Landscaping shall meet the "Arboricultural Specifications and Standards of Practice and Landscaping Guidelines" of the City of Portland Technical and Design Standards - ref Landscaping Plan.

The entire site shall be developed and/or maintained as depicted on the site plan. Approval of the Planning Authority or Planning Board shall be required for any alteration or deviation from the approved site plan, including, without limitation: topographic drainage; landscaping; retention of wooded or farm areas; access; site, location, and siting of parking areas; and location and size of buildings.

All powerline utilities shall be underground.

Sidewalks and curbing shall be designed and built with lip down ramps at all street corners, crosswalks and driveways in conformance with the City of Portland Technical and Design Standards and Guidelines.

All erosion and sediment control measures shall be designed in accordance with Maine Erosion and Sediment Control Handbook for Construction Best Management Practices published by the Cumberland County Soil and Water Conservation District and Maine Department of Environmental Protection, March 1991 or latest edition. [Note: the site plan should specify the erosion control device to be employed (silt fence, hay bales, etc.) as well as their location.]

All erosion control measures shall be installed prior to any site excavation or grading.

All disturbed areas on the site not covered by building or paved areas shall be stabilized with loam and seed or other methods as required by Best Management and Practices (see above).

Prior to construction a preconstruction meeting shall be held at the project site with the contractor, development review coordinator, Public Work's representative and owner to review the construction schedule and critical aspects of the site work. At that time, the site/building contractor shall provide three (3) copies of a detailed construction schedule to the attending City preconstruction meeting.

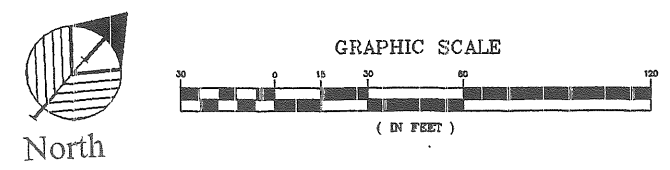
Refer to Grading and Drainage plan for Storm Water Information (Sheet 3)

REV:	BY:	DATE:	STATUS:
		12/15/03	revised utilities & ROW openings
		9/24/03	Submitted for Planning Review/Approval

SITE & UTILITIES PLAN
 FOR:
PROPOSED BUILDING
 135 MARGINAL WAY
 PORTLAND, ME 04101
 APPLICANT:
FIVE LIVER COMPANY
 P.O. BOX 7525, PORTLAND ME

1

Sheet 1 of 10



N 39°54'30" E 820.16'
 S 39°54'30" W 820.16'

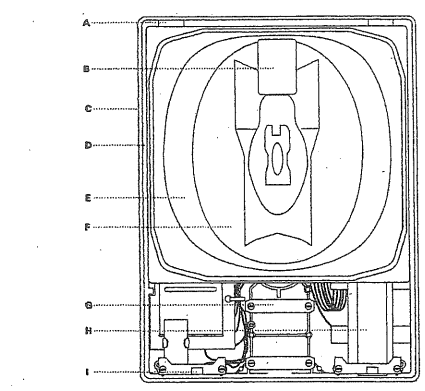
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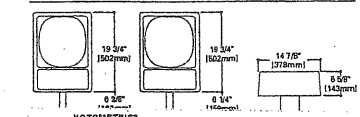
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SPECIFICATION FEATURES

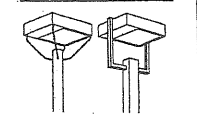
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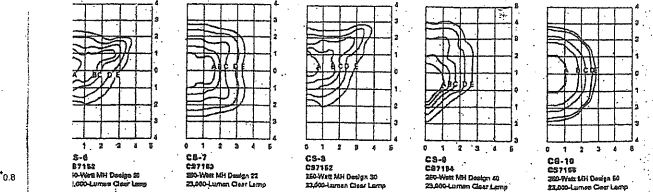
DIMENSIONS



SPIDER/YOKE MOUNTS



NOTOMETRICS



Photometric Table

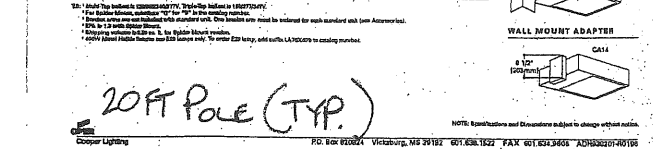
Model	Beam Spread	Beam Spread	Beam Spread	Beam Spread	Beam Spread
CS-6	15°	25°	35°	45°	60°
CS-7	15°	25°	35°	45°	60°
CS-8	15°	25°	35°	45°	60°
CS-9	15°	25°	35°	45°	60°
CS-10	15°	25°	35°	45°	60°

Mounting Information

Mounting Style	Mounting Dimensions	Notes
Spider Mount	1 1/2\"/>	
Yoke Mount	1 1/2\"/>	

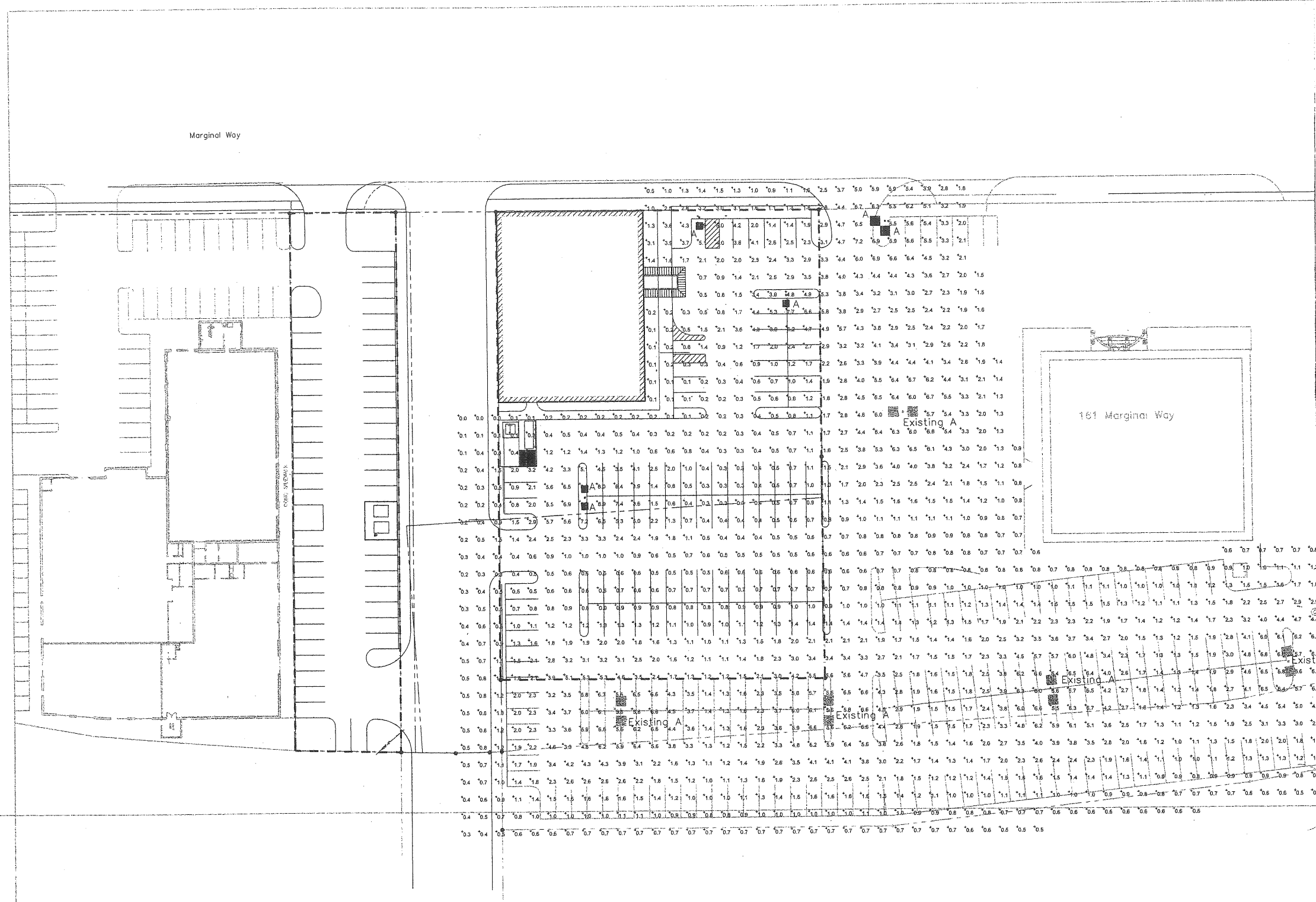
Direct Arm Mountings

Mounting Style	Mounting Dimensions	Notes
Direct Arm Mount	1 1/2\"/>	
Wall Mount Adapter	1 1/2\"/>	



20 FT POLE (TYP.)

McGraw-Edison Lighting Company, 1000 North Main Street, Portland, ME 04101



C5CONCOURSE III

175 - 400 W
Metal Halide
ARCHITECTURAL AREA LIGHT

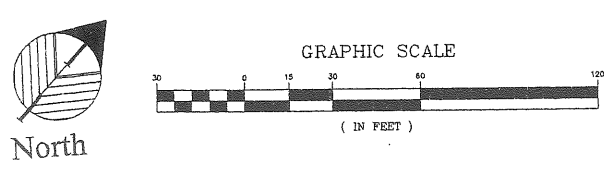
ENERGY DATA

CWA Ballast Input Watts
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200W MH HPF (250 Watts)
400W MH HPF (455 Watts)

12/15/03 Submitted for Planning Review/Approval
 REV: BY: DATE: STATUS:
 PHOTOMETRICS PLAN
 FOR:
 PROPOSED BUILDING
 135 MARGINAL WAY
 PORTLAND, ME 04101
 APPLICANT:
 FIVE LIVER COMPANY
 P.O. BOX 7525, PORTLAND ME

6

Sheet 6 of 10



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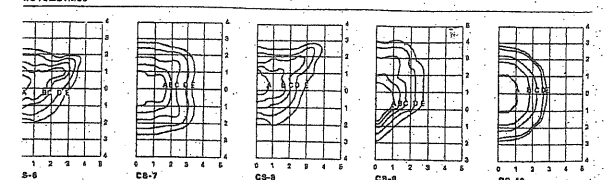
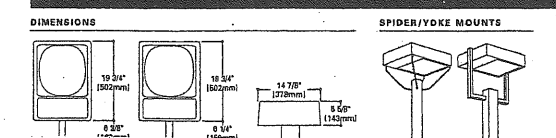
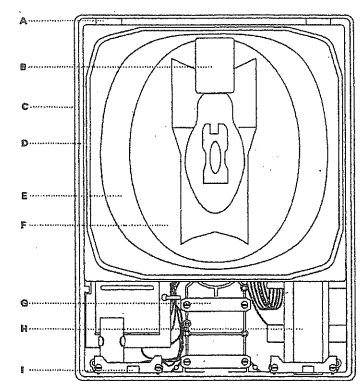
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ENERGY DATA
CSA Rated Input Watts
115W MH HPF (216 Watts)
200W MH HPF (296 Watts)
400W MH HPF (455 Watts)

CSCONCOURSE III
175-400W
Metal Halide
ARCHITECTURAL AREA LIGHT



Model Table

Model	Input Watts	Output Watts	Beam Spread
CS-7	115W	216W	100°
CS-8	200W	296W	100°
CS-9	400W	455W	100°
CS-10	400W	455W	120°

Mounting Diagrams

IDENTIFYING INFORMATION

DATE: 12/15/03

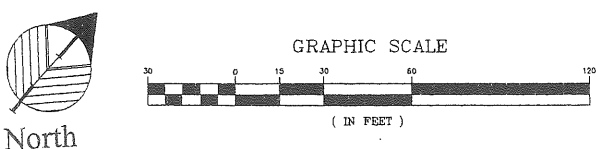
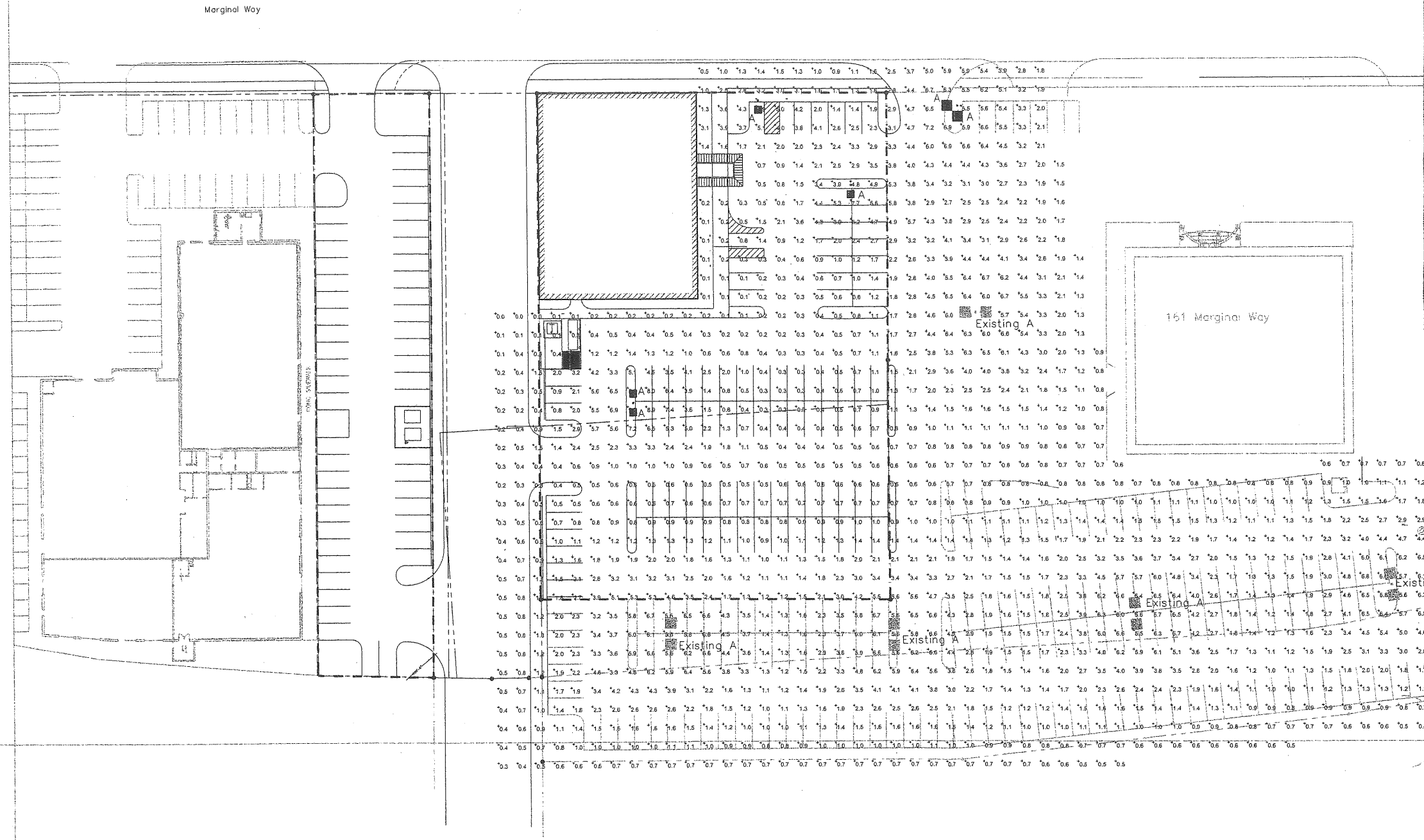
PROJECT: 135 MARGINAL WAY

CLIENT: FIVE LIVER COMPANY

WALL MOUNT ADAPTER

DIRECT ARM MOUNTINGS

20 FT POLE (TYP.)



12/15/03 Submitted for Planning Review/Approval

REV: BY: DATE: STATUS:

PHOTOMETRICS PLAN

FOR: PROPOSED BUILDING

135 MARGINAL WAY

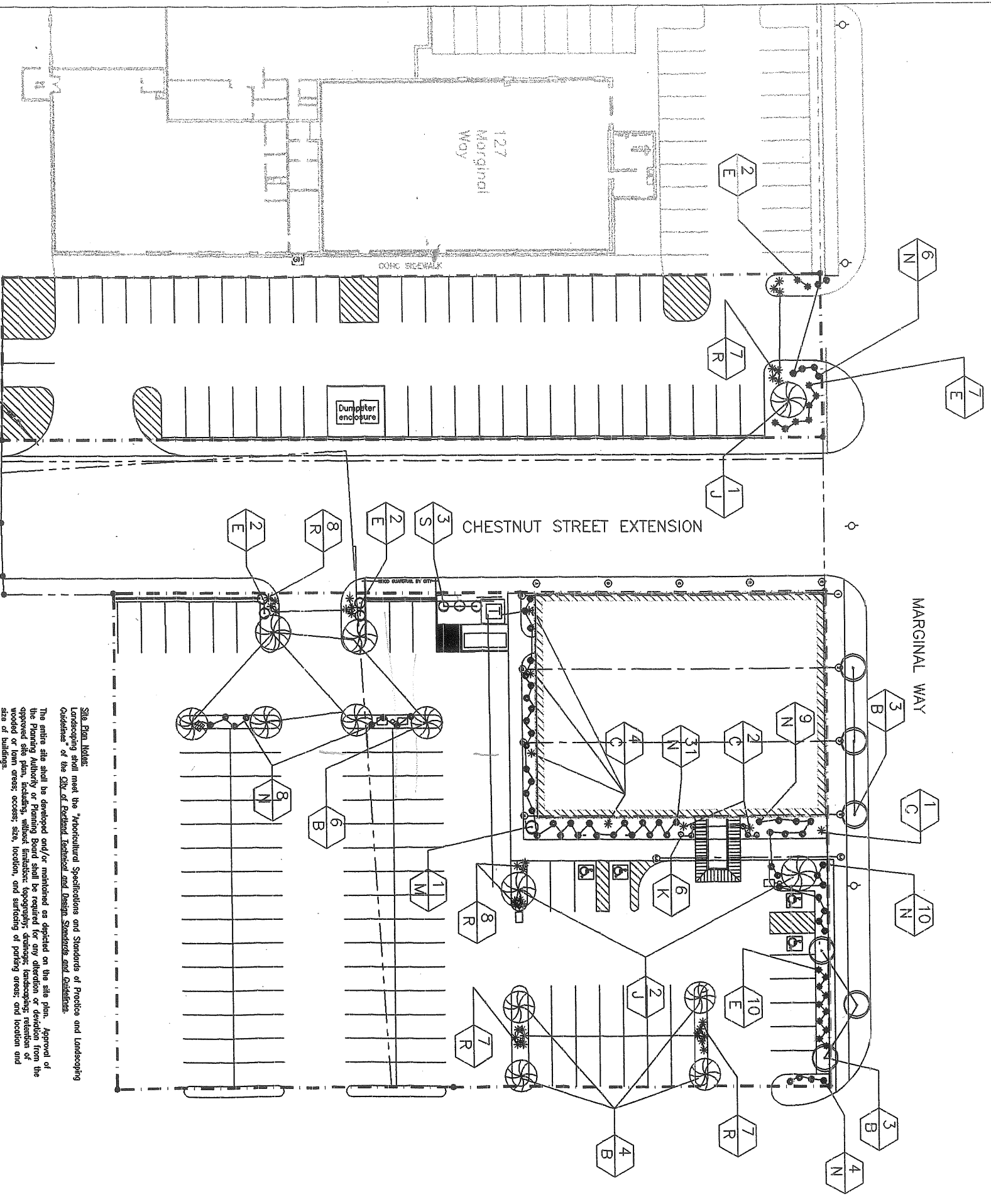
PORTLAND, ME 04101

APPLICANT: FIVE LIVER COMPANY

P.O. BOX 7525, PORTLAND ME

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Sheet 6 of 10



Mark	Quantity	Item	Size
B	16	Cleveland Flowering Pear	2.5" - 3" cal.
C	7	Azalea Polkhanensis	18" - 24" spread
E	23	Dwarf Burning Bush	2 - 2.5' ht.
J	3	Karppick Red Maple	2.5" - 3" cal.
K	6	Hosta Albo Marginata	1 gallon
M	1	Cornelian Cherry	5 - 6" ht.
N	68	Scandia Juniper	2 - 2.5' spread
R	37	Stella de Oro Daylily	1 gallon
S	3	Arbor vitae	2.5 - 3' ht.

Site Plan Notes:
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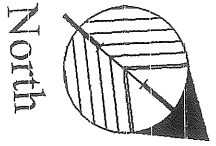
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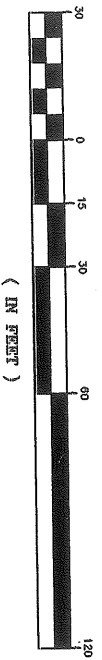
REV.	BY:	DATE:	STATUS:
		12/15/03	Landscaping @ Marginal Way & enclosure added
		10/20/03	Landscaping @ Marginal Way & Mech added
		9/24/03	Submitted for Planning Review/Approval

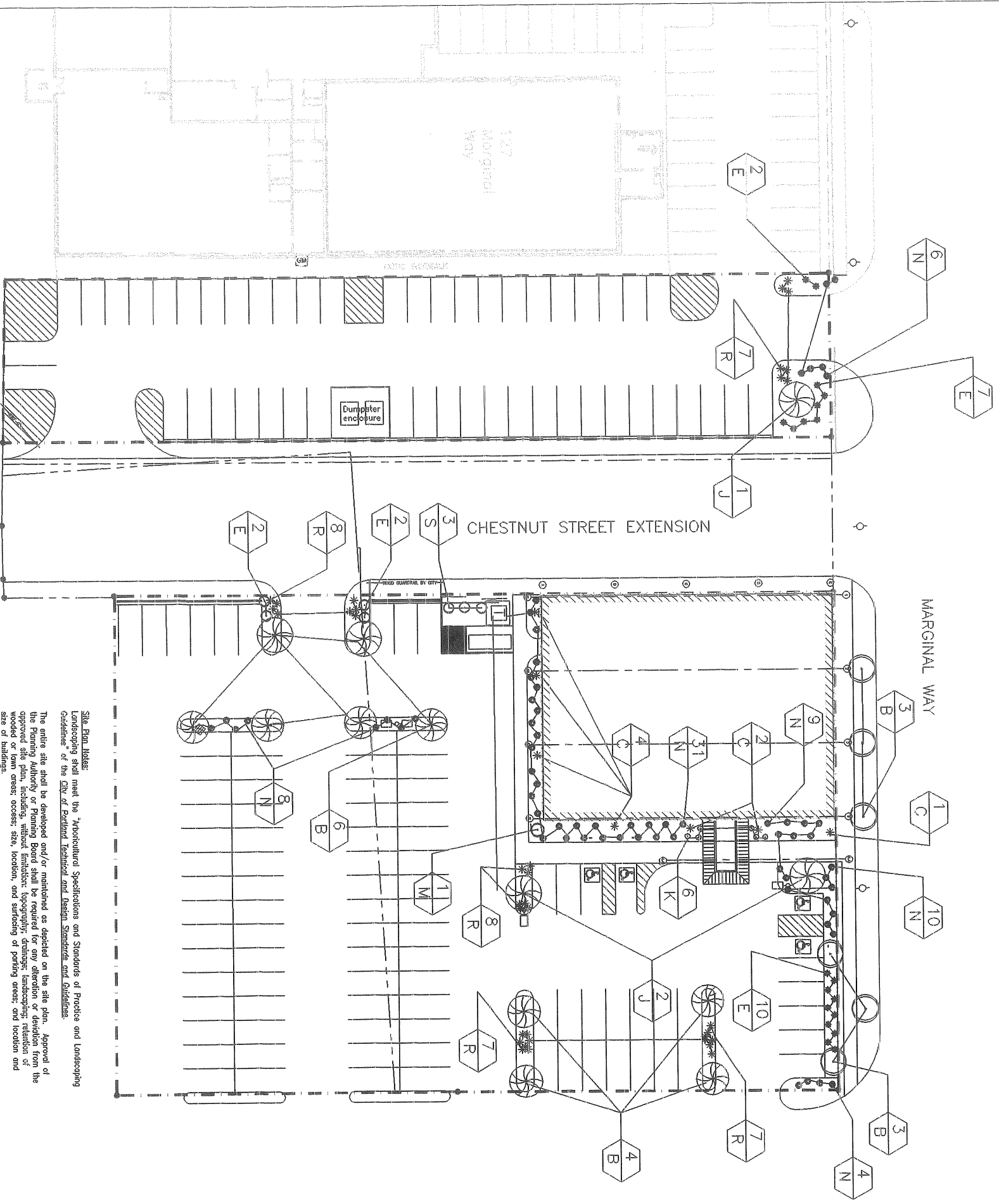
LANDSCAPE PLAN

FOR:
PROPOSED BUILDING
 135 MARGINAL WAY
 PORTLAND, ME 04101
 APPLICANT:
FIVE LIVER COMPANY
 P.O. BOX 7525, PORTLAND ME

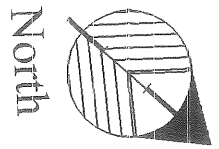


GRAPHIC SCALE





Mark	Quantity	Item	Size
B	16	Cleveland Flowering Pear	2.5"-3" cal.
C	7	Azalea Poukhanensis	18"-24" spread
E	23	Dwarf Burning Bush	2'-2.5' ht.
J	3	Karpicik Red Maple	2.5"-3" cal.
K	6	Hosta Albo Marginata	1 gallon
M	1	Cornelian Cherry	5'-6' ht.
N	68	Scandia Juniper	2'-2.5' spread
R	37	Stella de Oro Daylily	1 gallon
S	3	Arbor vitae	2.5 - 3' ht.



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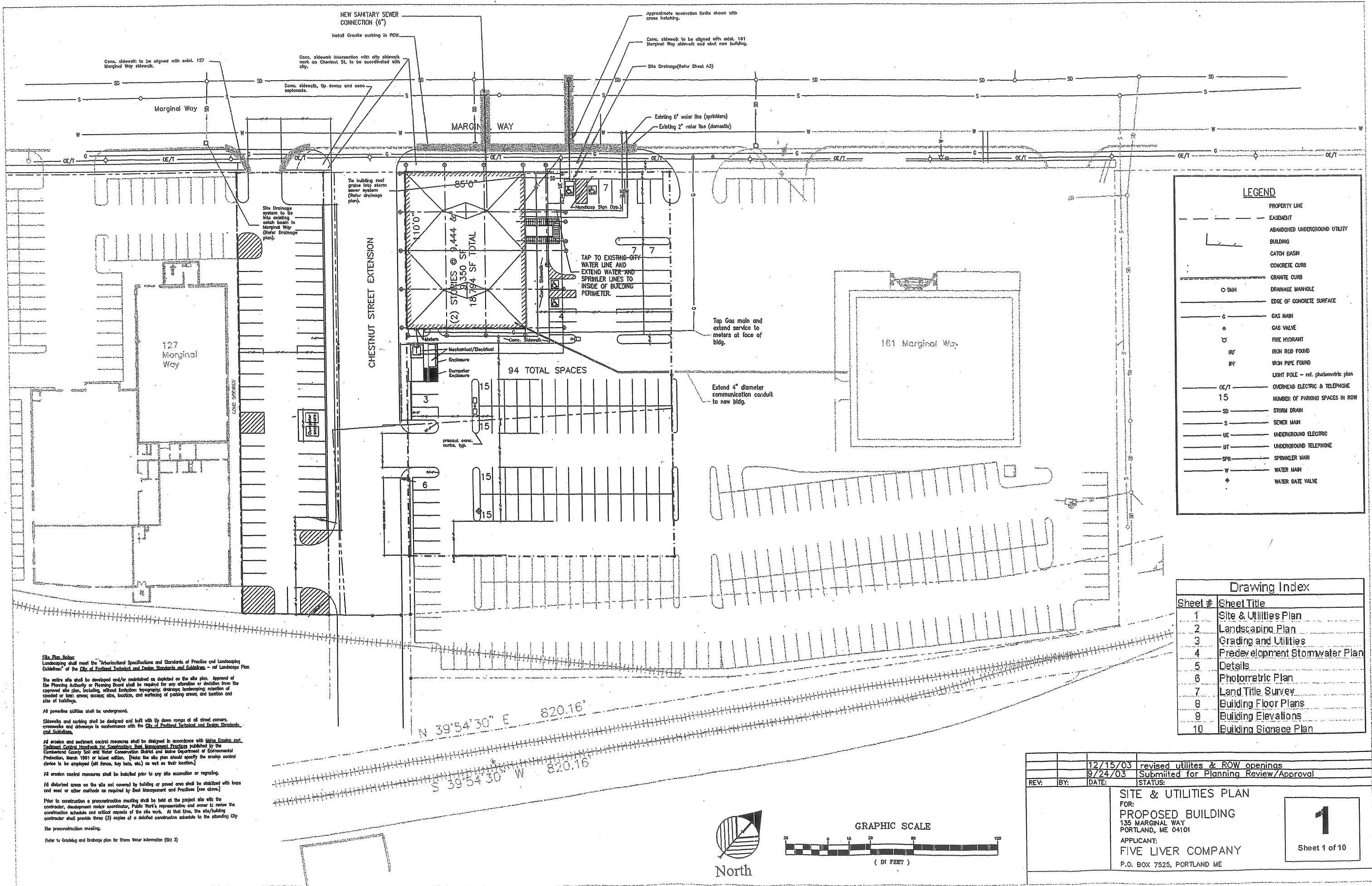
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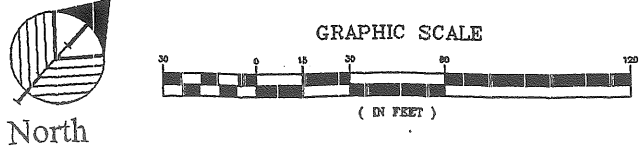
LEGEND

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- - - -	EASEMENT
- - - -	ABANDONED UNDERGROUND UTILITY
▭	BUILDING
○	CATCH BASIN
—	CONCRETE CURB
—	GRANITE CURB
○	DRAINAGE MANHOLE
—	EDGE OF CONCRETE SURFACE
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o	GAS VALVE
⊕	FIRE HYDRANT
INF	IRON ROD FOUND
IPF	IRON PIPE FOUND
○	LIGHT POLE - ref. photometric plan
OE/T	OVERHEAD ELECTRIC & TELEPHONE
15	NUMBER OF PARKING SPACES IN ROW
SD	STORM DRAIN
S	SEWER MAIN
UE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
SPR	SPRINKLER MAIN
W	WATER MAIN
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Drawing Index

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FOR: PROPOSED BUILDING 135 MARGINAL WAY PORTLAND, ME 04101			
APPLICANT: FIVE LIVER COMPANY P.O. BOX 7525, PORTLAND ME			



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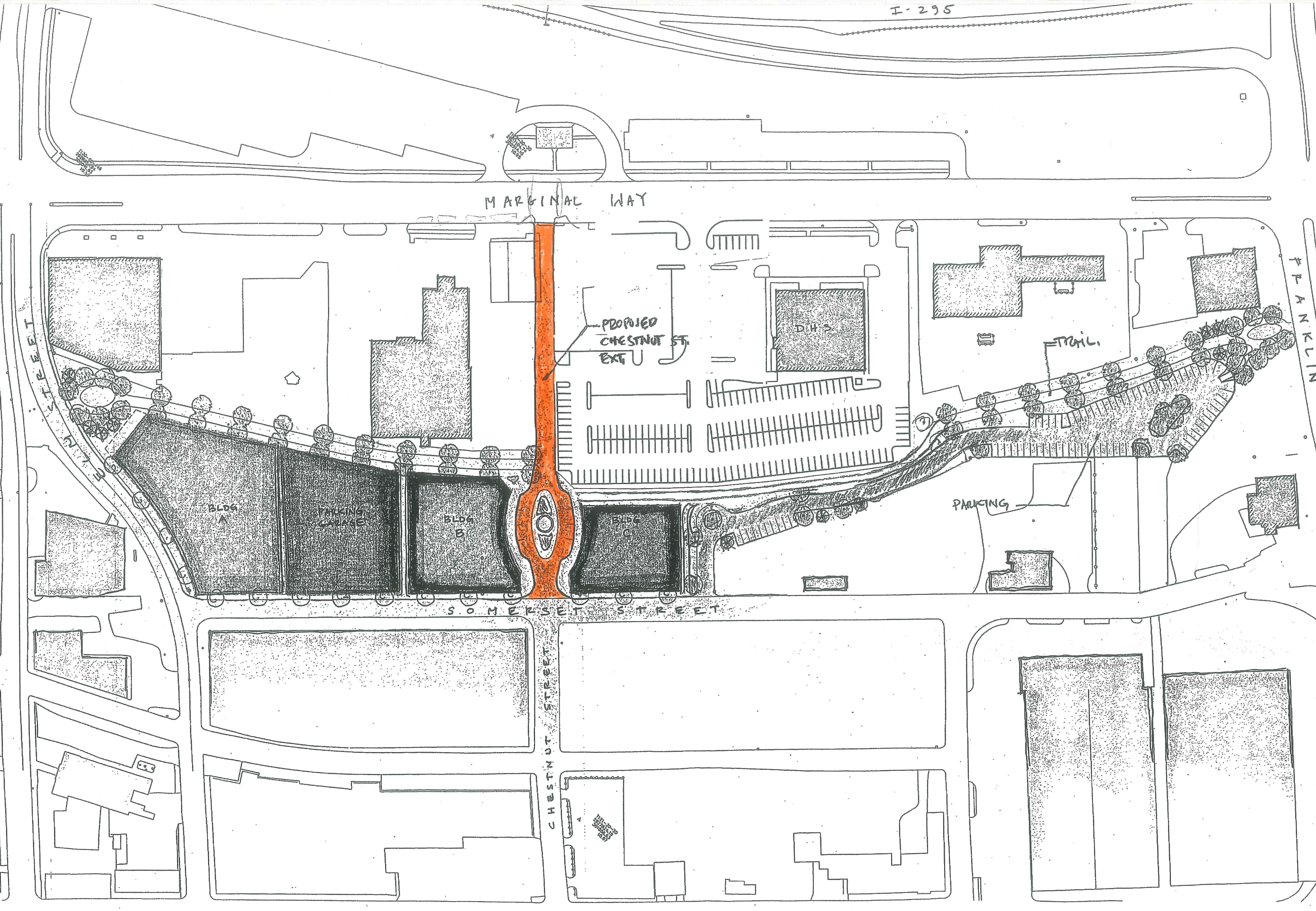
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Refer to Grading and Drains plan for Storm Water Information (Sheet 3)

N 39°54'30" E 820.16'

S 39°54'30" W 820.16'



REV:	DATE:	STATUS:
1	2/11/03	ISSUED FOR CONCEPTUAL PLAN REVIEW
2	2/11/03	REVISED CONCEPT MASTER PLAN
3	2/11/03	REVISED CONCEPT MASTER PLAN

THIS PLAN SHALL NOT BE APPROVED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

Sebago Technics
 Engineering Experts You Can Build On
 One Crook Street
 Westbrook, Me 04090-1339
 Tel (207) 898-0277

PROJECT NO.	02088
FIELD BOOK	CD
DESIGN	CHKD
CONSTRUCTION	DAM
DRAWN	CD

CONCEPT MASTER PLAN
 OF:
BAYSIDE RAILYARD
 SOMERSET STREET
 PORTLAND, MAINE
 FOR:
CITY OF PORTLAND
 389 CONGRESS STREET
 PORTLAND, ME, 04101

RECORD OWNER:
 CITY OF PORTLAND
 389 CONGRESS STREET
 PORTLAND, ME, 04101

DATE	SCALE
2/11/03	1" = 60'

SHEET 1 OF 1

MARGINAL WAY

20' POLES TYPICAL

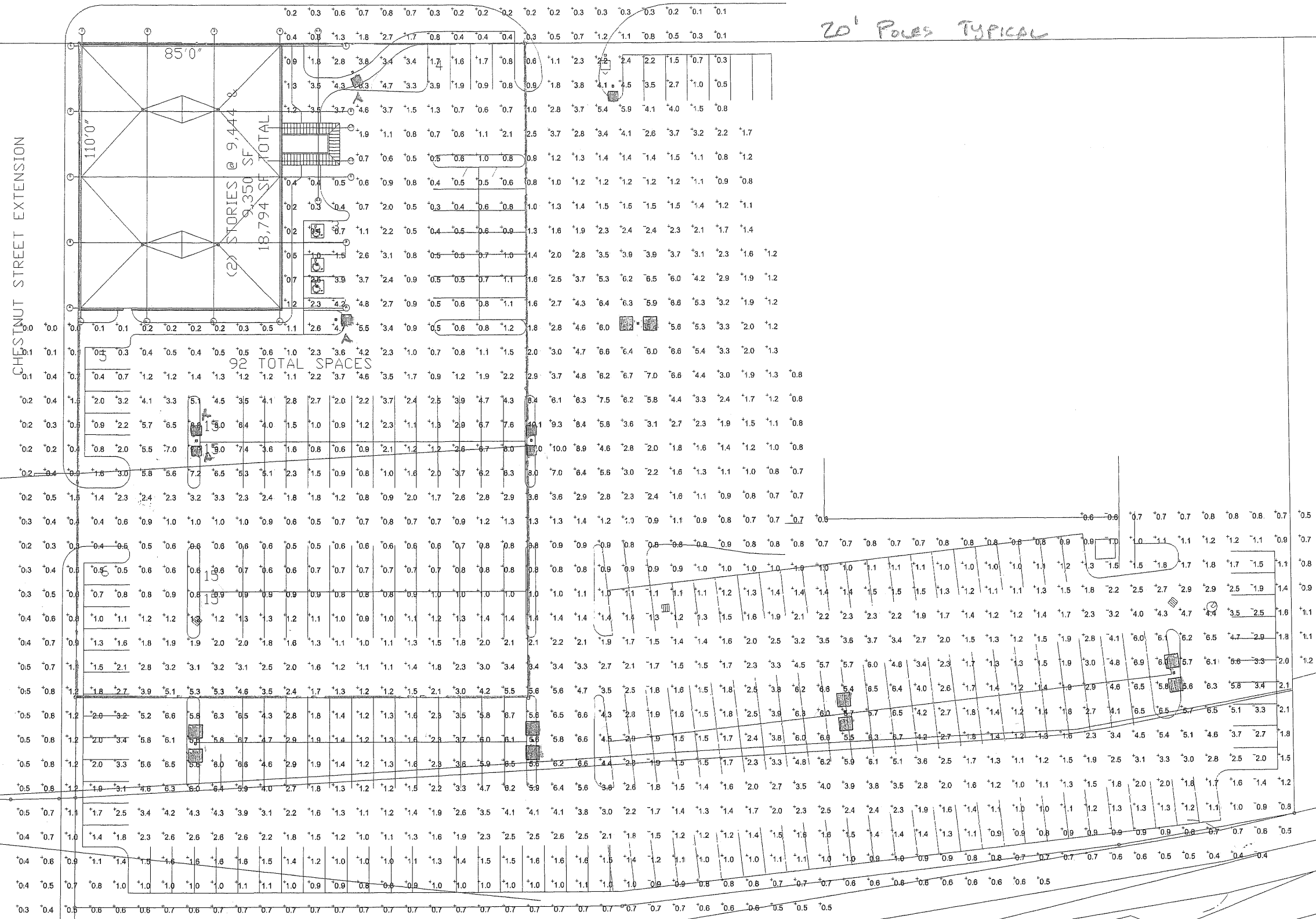
CHESTNUT STREET EXTENSION

85'0"

110'0"

(2) STORIES @ 9,444 SF
9,350 SF
18,794 SF TOTAL

92 TOTAL SPACES

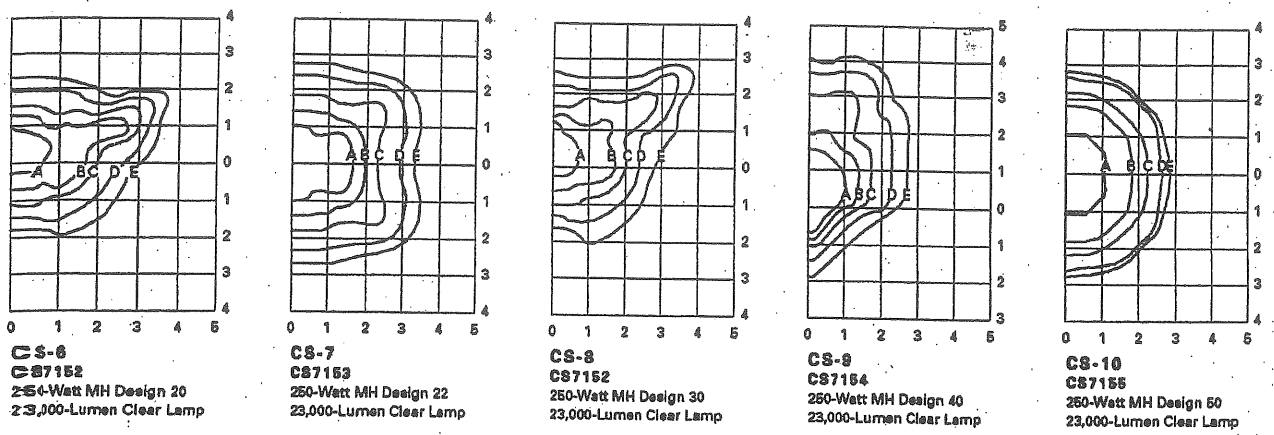


29°54'30" E 820.16'

PHOTOMETRIC PLAN - 135 MARGINAL WAY - FIVE LIVER CO. - 9/23/03

C5CONCOURSE III

PHOTOMETRICS



Footcandle Table
Select mounting height and read across for footcandle value of each footcandle line.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
15'	5.6	2.8	1.4	0.5	0.3
20'	3.1	1.6	0.8	0.3	0.2
25'	2.0	1.0	0.5	0.2	0.1
30'	1.4	0.7	0.3	0.1	0.1

For 400W MH, multiply footcandle readings by 1.74.

Pole Top Mounting for Square and Round Poles (order separately)
Slipfitter accommodates 2 3/8" - 3" O.D. pole top tenons. Catalog number includes slipfitter and mounting arm(s). Square unit height is 6 1/4". Round unit height is 6 3/4".

ORDERING INFORMATION

SAMPLE NUMBER: C571459

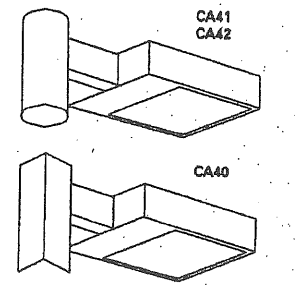
C Product Family: C-Concourse III
S Housing Series: 7-7000
7 Lamp Type: 1-MH
1 Lamp Wattage: 4-175, 5-250, 6-400
4 Optics: 2-Design 20/30, 3-Design 22, 4-Design 40, 5-Design 50
5 Voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V
9 Options (add as suffix): P-Button-type Photocontrol, Field Installed; (NEMA Twist-Lock Photocontrol Available Upon Request)

Accessories (order separately):
 CA11-House Side Shield—Design 20
 CA18-House Side Shield—Design 40
 CA14-Wall Mount Adapter
 CA40-Direct Arm Mount for Square Pole (EPA 0.2)
 CA41-Direct Arm Mount for 3" Diameter Round Pole (EPA 0.2)
 CA42-Direct Arm Mount for 3 1/2" - 4" Diameter Round Pole (EPA 0.2)

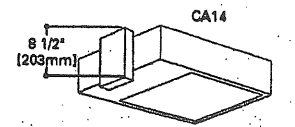
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/Power Factor	Optics	Mounting Type*	EPA*	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.)*
CS7142	175	MH	CWA/HPF	20/30	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	20/30	Mast Arm	0.9	32	2.15
CS7162	400*	MH	CWA/HPF	20/30	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	22	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	22	Mast Arm	0.9	32	2.15
CS7162	400*	MH	CWA/HPF	22	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	40	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	40	Mast Arm	0.9	32	2.15
CS7162	400*	MH	CWA/HPF	40	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	50	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	50	Mast Arm	0.9	32	2.15
CS7162	400*	MH	CWA/HPF	50	Mast Arm	0.9	35	2.15

NOTES: * Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
 * For Spider Mount, substitute "Q" for "B" in the catalog number.
 * Bracket arms are not included with standard unit. One bracket arm must be ordered for each standard unit (see Accessories).
 * EPA is 1.3 with Spider Mount.
 * Shipping volume is 6.50 cu. ft. for Spider Mount version.
 * 400W Metal Halide fixtures use E28 lamps only. To order E28 lamp, add suffix LA70X079 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

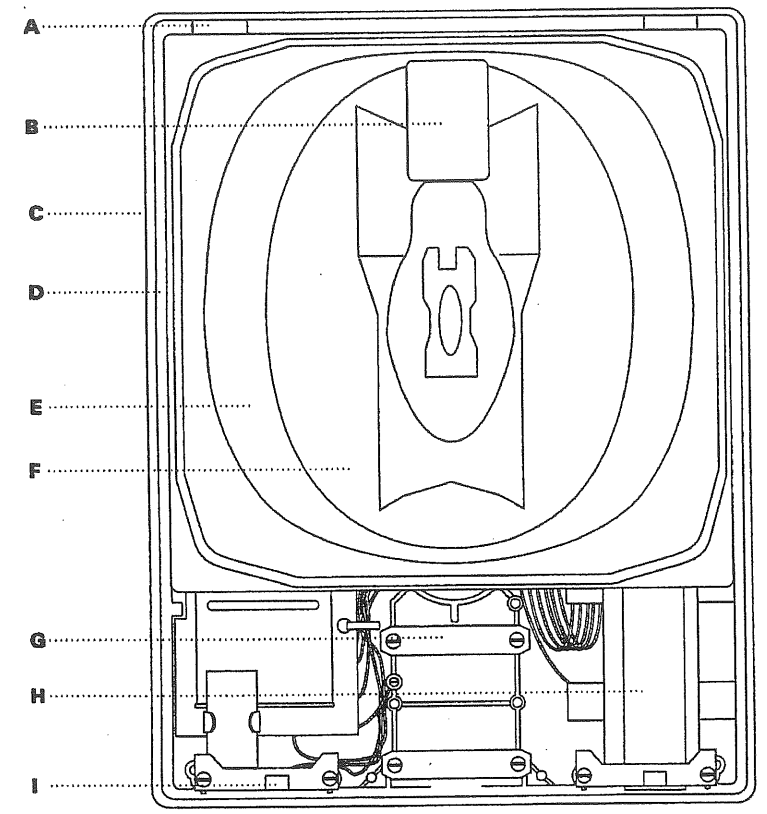
The McGraw-Edison Concourse III is the most versatile, functionally designed, universally adaptable outdoor lighting available. Through a variety of mounting styles, it offers a family of low profile sharp-cutoff luminaires that make optimum use of today's high output HID sources.

APPLICATION

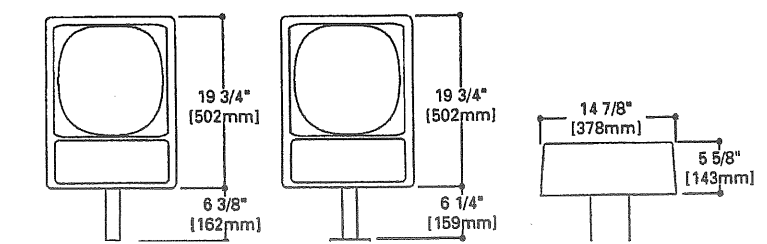
Enhancing natural landscapes as well as cityscapes, the Concourse III brings outstanding performance and style to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed for wet locations. CSA certified.

SPECIFICATION FEATURES

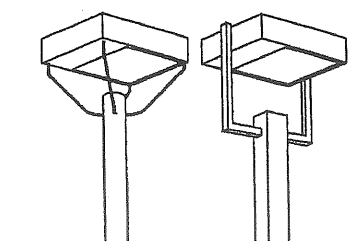
- A...Latches**
Two spring-steel quick release latches on housing for toolless entry.
- B...Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C...Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D...Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E...Lens**
Thermal shock and impact-resistant clear tempered glass.
- F...Optics**
One-piece hydroformed anodized aluminum reflectors provide five different optical distributions and sharp cutoff control.
- G...Mounting**
Universal mounting clamp concealed in housing fits 1 1/2" to 2 3/8" O.D. horizontal tenons without adapters. Provides a +5° vertical leveling adjustment.
- H...Ballast**
Easily removable high power factor HID Multi-Tap ballast is standard.
- I...Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.



DIMENSIONS



SPIDER/YOKE MOUNTS



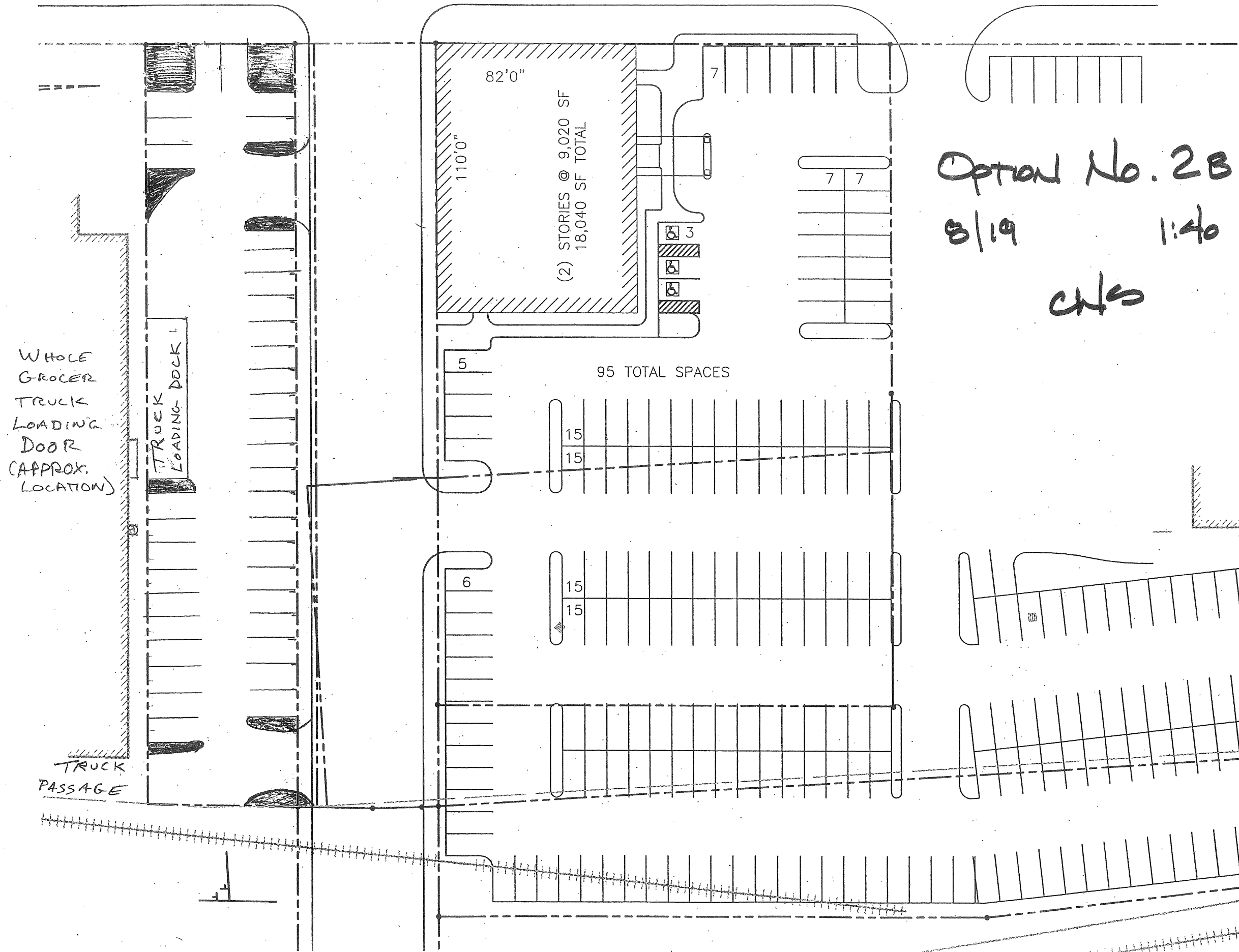
C5CONCOURSE III

175 - 400 W
Metal Halide

ARCHITECTURAL AREA LIGHT

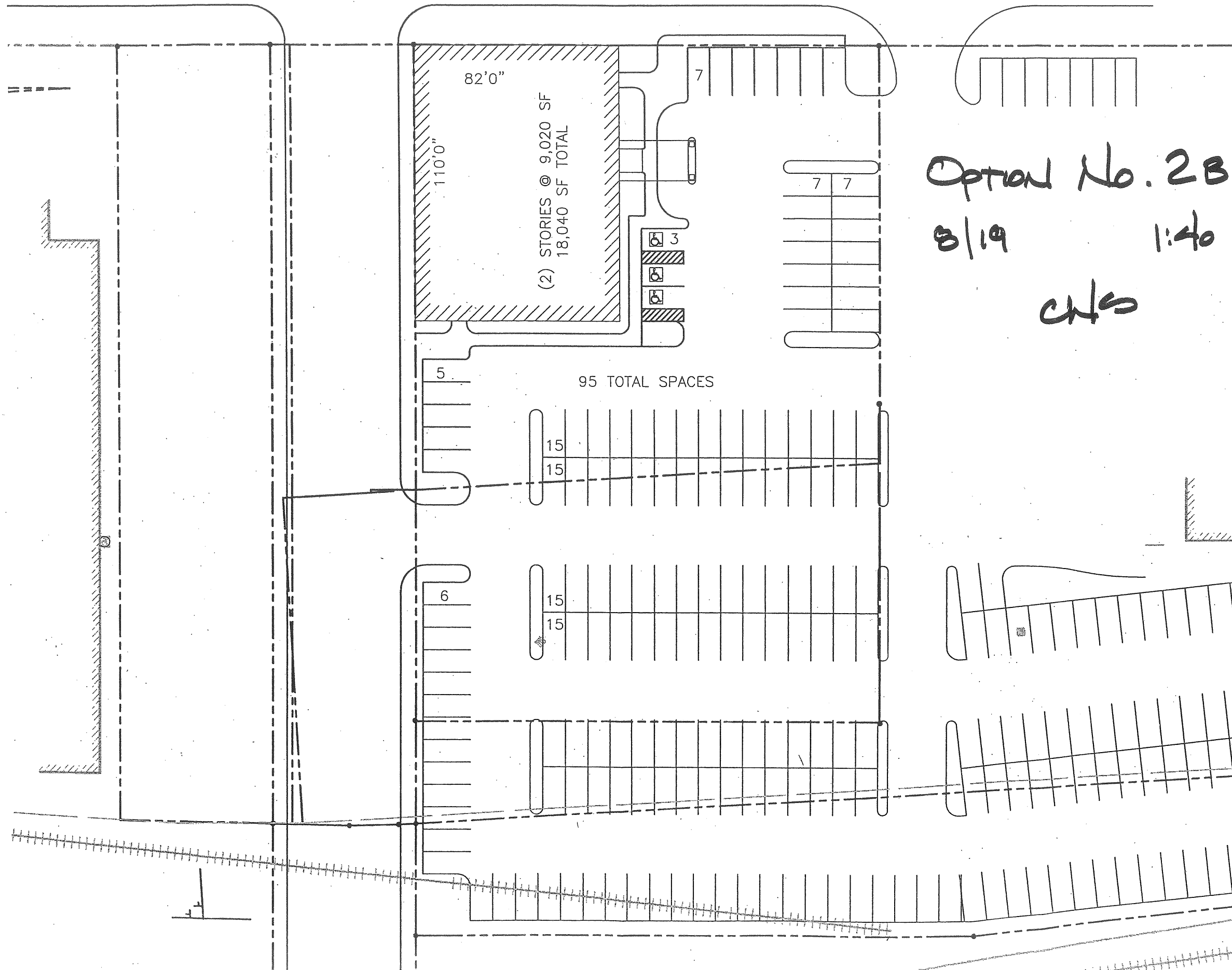
ENERGY DATA

CWA Ballast Input Watts
175W MH HPF (210 Watts)
250W MH HPF (295 Watts)
400W MH HPF (455 Watts)



Option No. 2B
 8/19 1:40
 CHS

8/29/03
 Pull & Sons
 proceed.



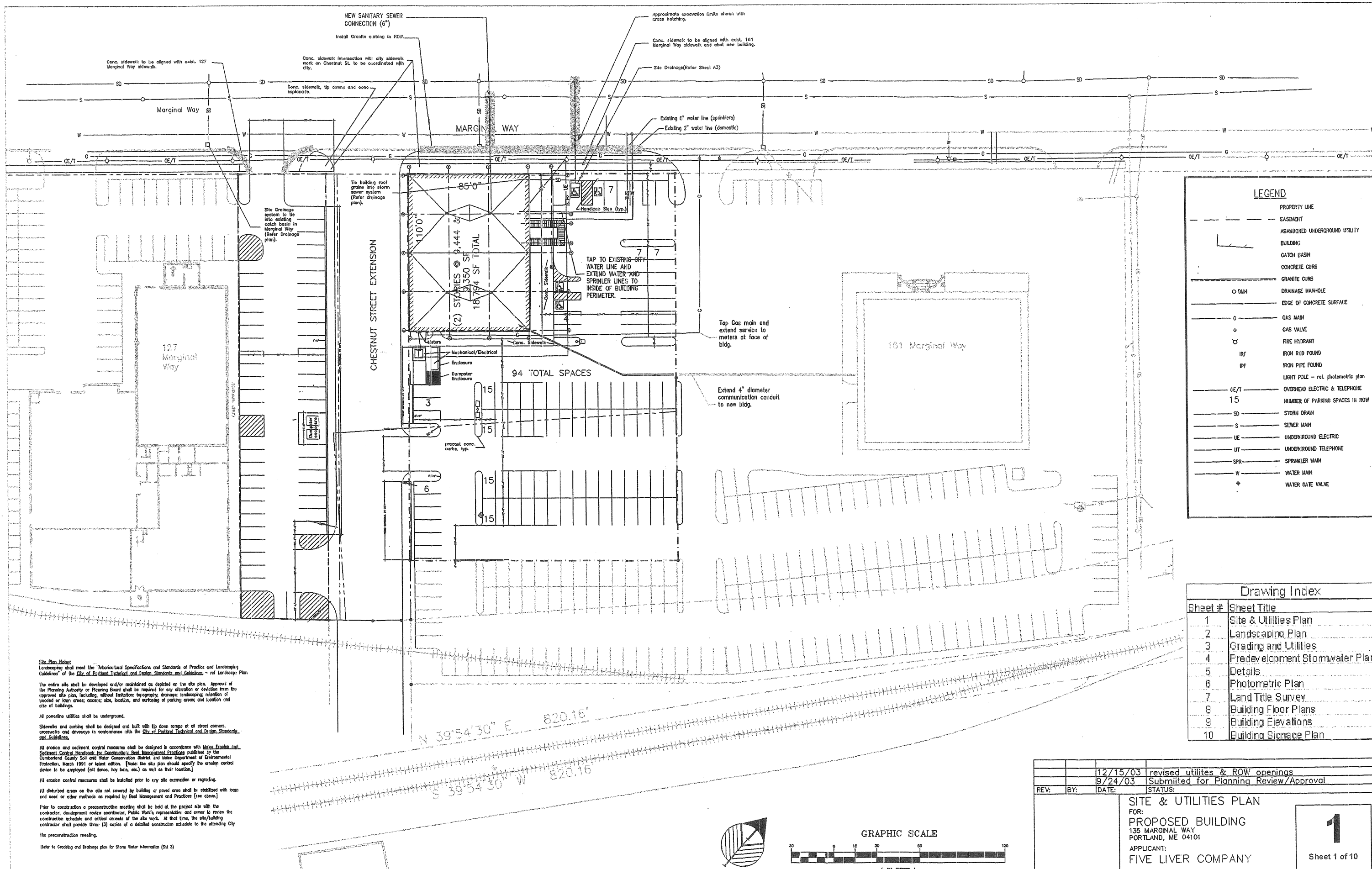
Option No. 2B

8/19

1:40

CHS

8/29/03
 Pull & Sign
 proceed



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- - - -	EASEMENT
---	ABANDONED UNDERGROUND UTILITY
---	BUILDING
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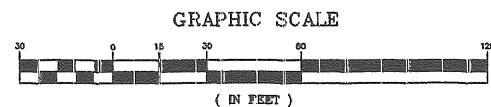
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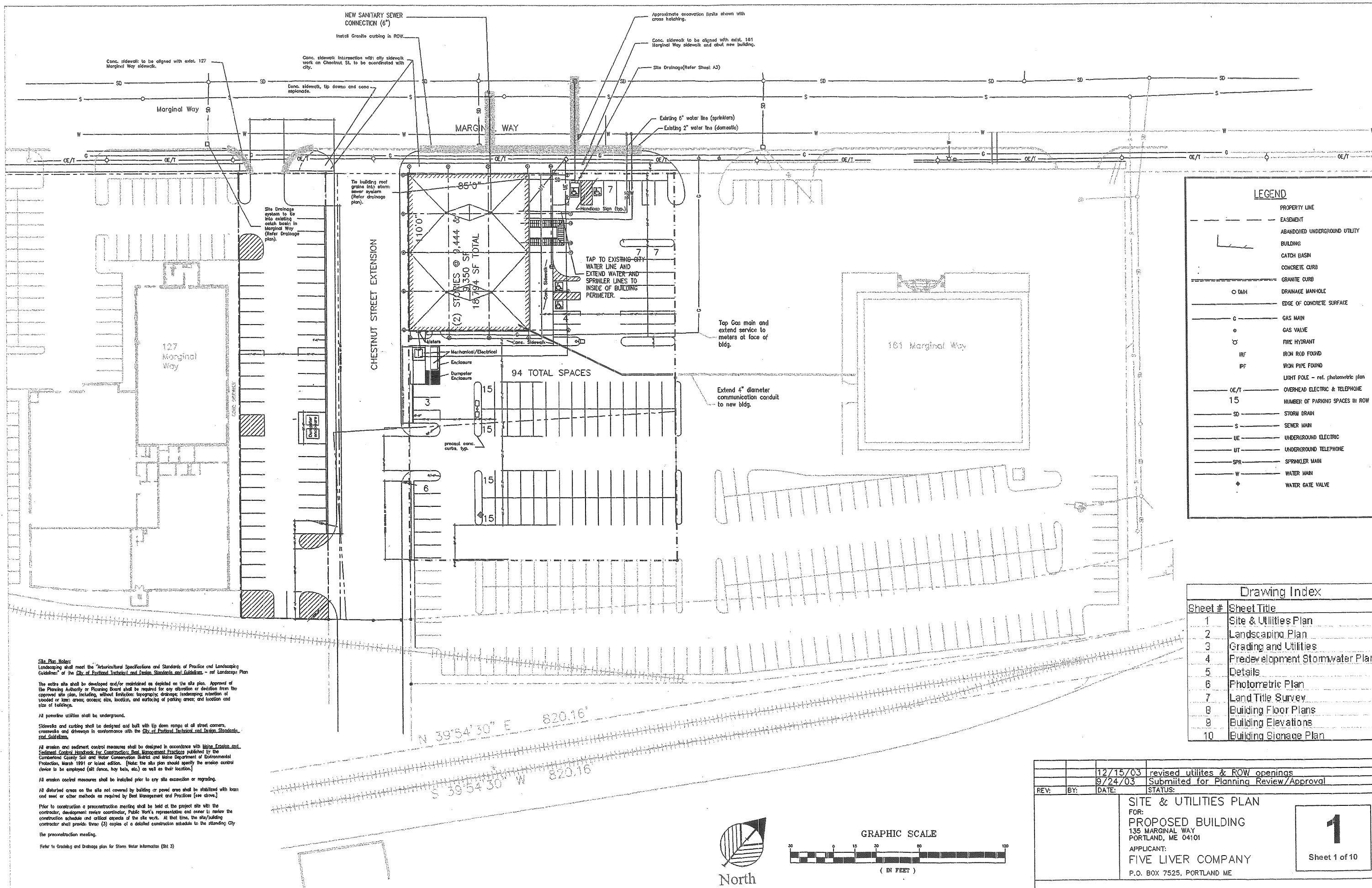
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APPLICANT:
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Sheet 1 of 10



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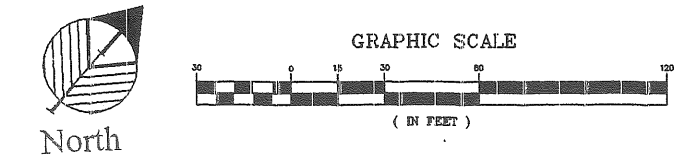
Refer to Grading and Drainage plan for Storm Water Information (Sht. 3)

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 APPLICANT:
FIVE LIVER COMPANY
 P.O. BOX 7525, PORTLAND ME

1

Sheet 1 of 10



N 39°54'30" E 820.16'
 S 39°54'30" W 820.16'

MARGINAL WAY

20' POLES TYPICAL

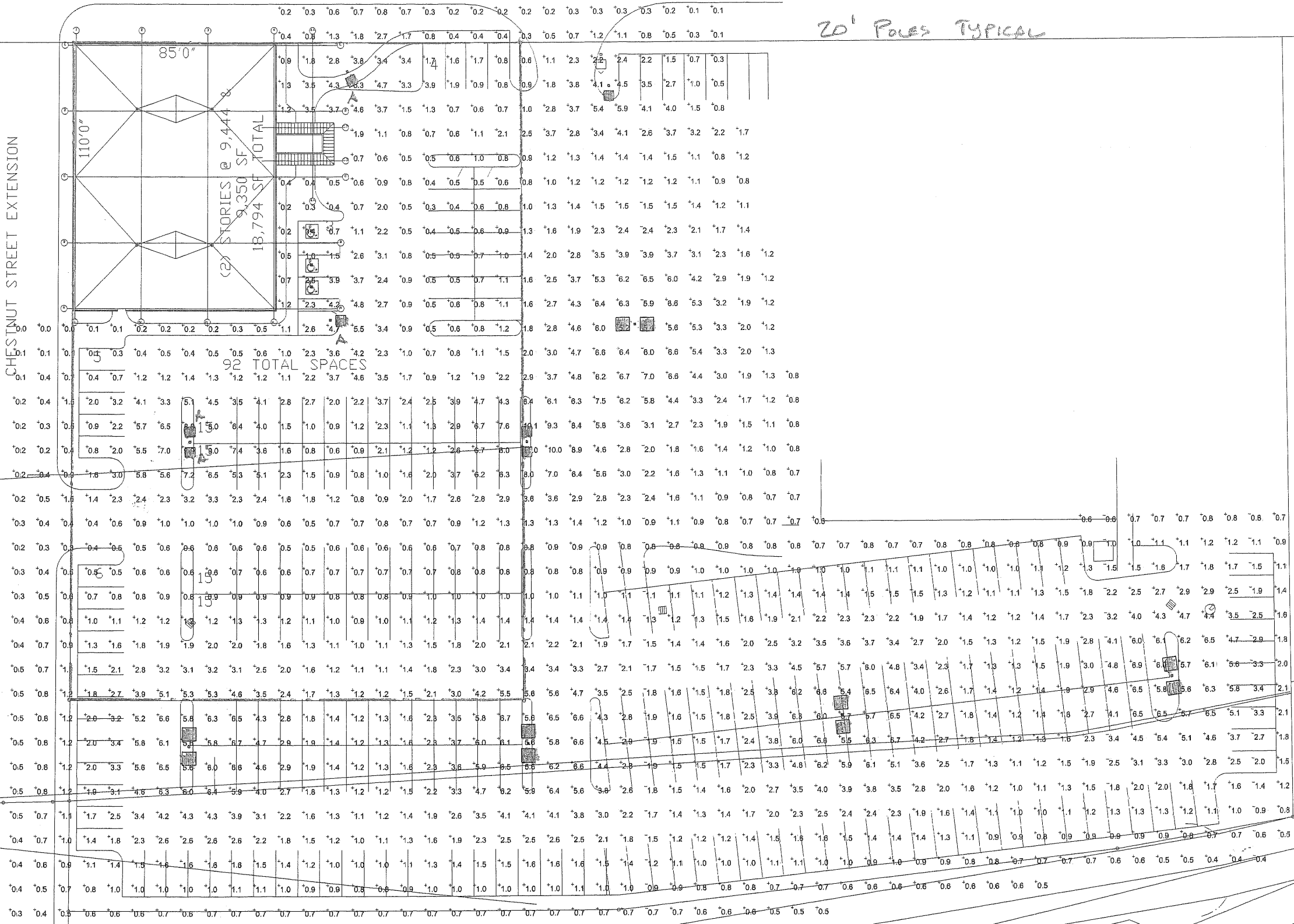
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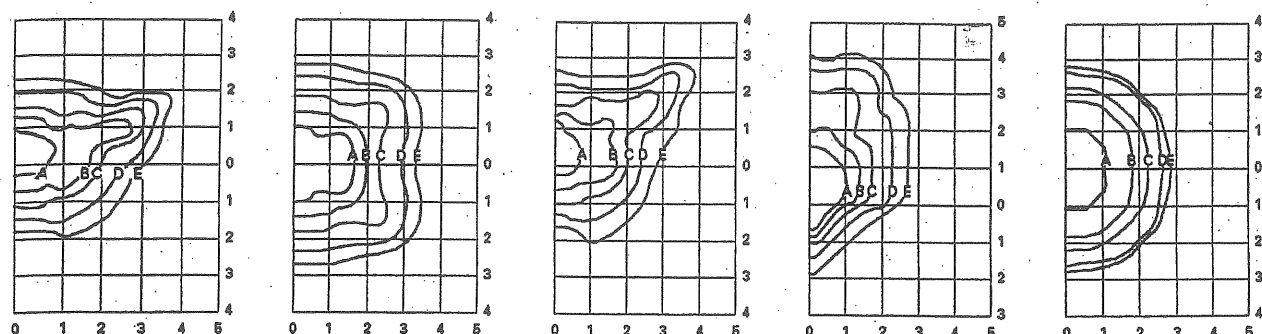
92 TOTAL SPACES



29°54'30" E 820.16'

PHOTOMETRIC PLAN - 135 MARGINAL WAY - FIVE LIVER CO. - 9/23/03

PHOTOMETRICS



CS-6 CS7152 250-Watt MH Design 20 23,000-Lumen Clear Lamp	CS-7 CS7153 250-Watt MH Design 22 23,000-Lumen Clear Lamp	CS-8 CS7152 250-Watt MH Design 30 23,000-Lumen Clear Lamp	CS-9 CS7154 250-Watt MH Design 40 23,000-Lumen Clear Lamp	CS-10 CS7155 250-Watt MH Design 50 23,000-Lumen Clear Lamp
---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	----------------------------------------------------------------------------

Footcandle Table

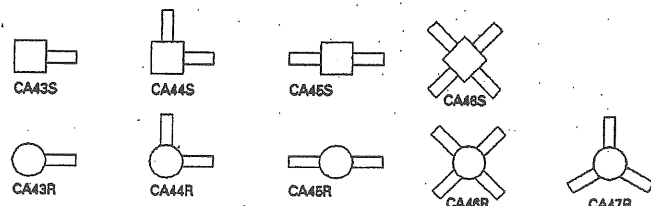
Select mounting height and read across for footcandle values of each isofootcandle line.

Mounting Height CS-1	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
15'	5.6	2.8	1.4	0.6	0.3
20'	3.1	1.6	0.8	0.3	0.2
25'	2.0	1.0	0.5	0.2	0.1
30'	1.4	0.7	0.3	0.1	0.1

For 400W MH, multiply footcandle readings by 1.74.

Pole Top Mounting for Square and Round Poles (order separately)

Slipfitter accommodates 2 3/8" - 3" O.D. pole top tenons. Catalog number includes slipfitter and mounting arm(s). Square unit height is 6 1/4". Round unit height is 6 3/4".



ORDERING INFORMATION

SAMPLE NUMBER: CS71529

C S 7 1 4 5 9

Product Family
C-Concourse II

Mounting Method
S-Mast Arm
Q-Spider

Housing Series
7-7000

Lamp Type
1-MH

Lamp Wattage
4-175
5-250
6-400

Optics
2-Design 20/30
3-Design 22
4-Design 40
5-Design 50

Voltage¹
1-120V
2-208V
3-240V
4-277V
5-480V
6-Triple-Tap
8-Multi-Tap

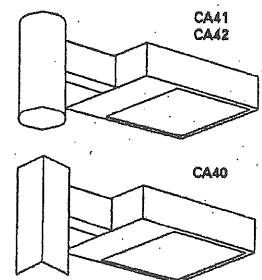
Options (add as suffix)
P-Button-type Photocontrol, Field Installed.
(NEMA Twist-Lock Photocontrol Available Upon Request)

Accessories (order separately)
CA11-House Side Shield—Design 20
CA18-House Side Shield—Design 40
CA14-Wall Mount Adapter
CA40-Direct Arm Mount for Square Pole (EPA 0.2)
CA41-Direct Arm Mount for 3" Diameter Round Pole (EPA 0.2)
CA42-Direct Arm Mount for 3 1/2" - 4" Diameter Round Pole (EPA 0.2)

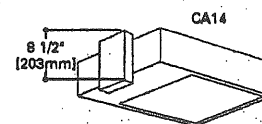
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/ Power Factor	Optics	Mounting Type ²	EPA ³	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.) ⁴
CS7142	175	MH	CWA/HPF	20/30	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	20/30	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	20/30	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	22	Mast Arm	0.9	34	2.15
CS7182	250	MH	CWA/HPF	22	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	22	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	40	Mast Arm	0.9	34	2.15
CS7182	250	MH	CWA/HPF	40	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	40	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	50	Mast Arm	0.9	34	2.15
CS7182	250	MH	CWA/HPF	50	Mast Arm	0.9	32	2.15
CS7182	400*	MH	CWA/HPF	50	Mast Arm	0.9	35	2.15

NOTES: ¹ Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
² For Spider Mount, substitute "Q" for "S" in the catalog number.
³ Bracket arms are not included with standard unit. One bracket arm must be ordered for each standard unit (see Accessories).
⁴ EPA is 1.3 with Spider Mount.
⁵ Shipping volume is 5.50 cu. ft. for Spider Mount version.
⁶ 400W Metal Halide fixtures use E28 lamps only. To order E28 lamp, add suffix LA70X078 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

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

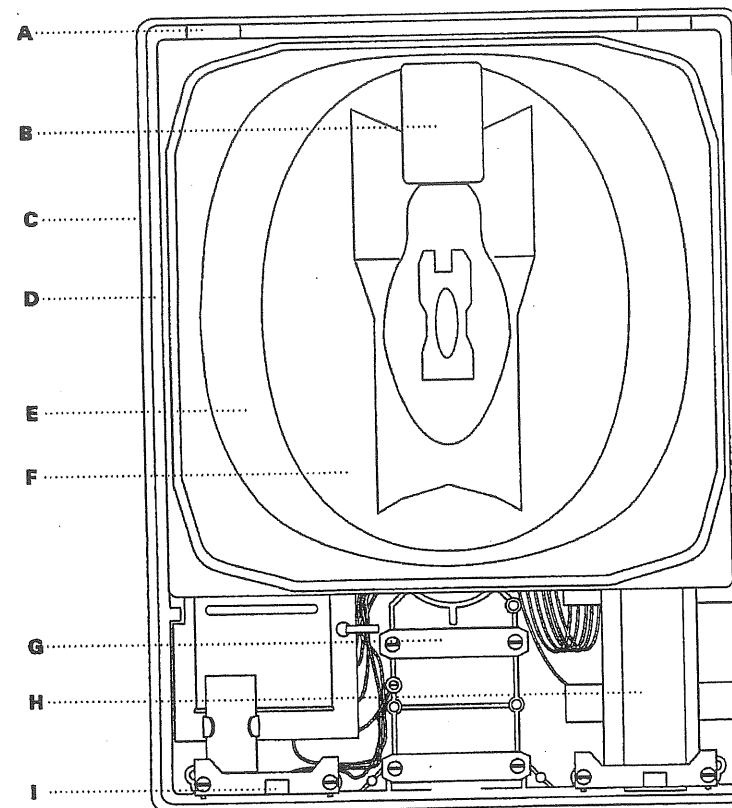
APPLICATION

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

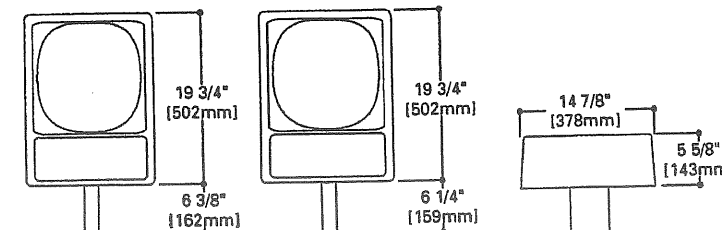
SPECIFICATION FEATURES

- A...Latches**
Two spring-steel quick release latches on housing for toolless entry.
- B...Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C...Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D...Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E...Lens**
Thermal shock and impact-resistant clear tempered glass.

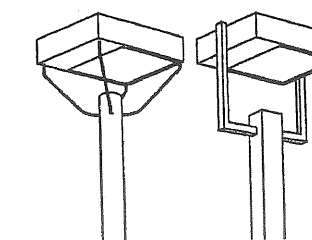
- F...Optics**
One-piece hydroformed anodized aluminum reflectors provide five different optical distributions and sharp cutoff control.
- G...Mounting**
Universal mounting clamp concealed in housing fits 1 1/2" to 2 3/8" O.D. horizontal tenons without adapters. Provides a +5° vertical leveling adjustment.
- H...Ballast**
Easily removable high power factor HID Multi-Tap ballast is standard.
- I...Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.



DIMENSIONS



SPIDER/YOKE MOUNTS



CSCONCOURSE III

175 - 400 W

Metal Halide

ARCHITECTURAL AREA LIGHT

ENERGY DATA

CWA Ballast Input Watts
175W MH HPF (210 Watts)
250W MH HPF (295 Watts)
400W MH HPF (455 Watts)

MARGINAL WAY

20' POLES TYPICAL

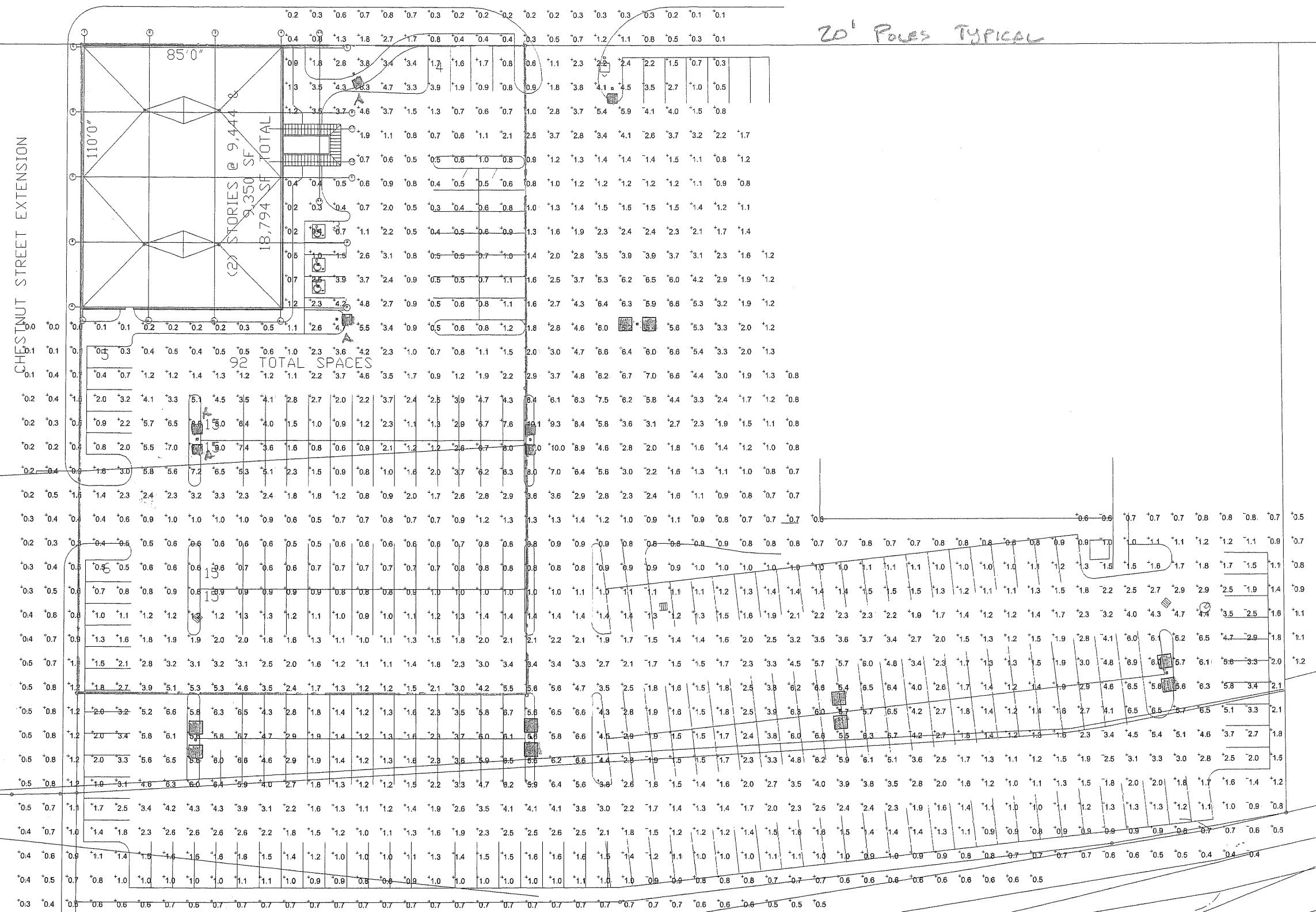
CHESTNUT STREET EXTENSION

85'0"

110'0"

(2) STORIES @ 9,444 SF
9,350 SF TOTAL
18,794 SF TOTAL

92 TOTAL SPACES



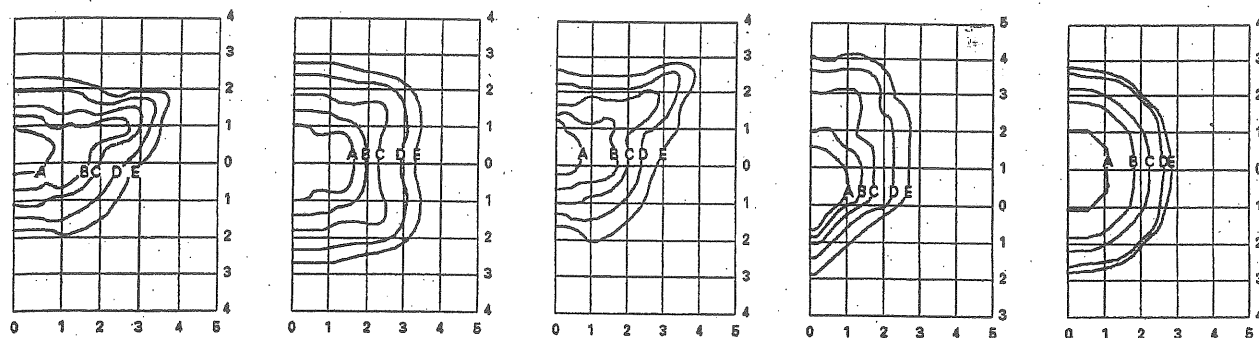
29°54'30" E 820.16'

PHOTOMETRIC PLAN - 135 MARGINAL WAY - FIVE LIVER CO. - 9/23/03

PERIOD 12/05/04 12/07/04

PHOTOMETRICS

C5CONCOURSE III



CS-6 CS7152 254-Watt MH Design 20 23,000-Lumen Clear Lamp	CS-7 CS7153 250-Watt MH Design 22 23,000-Lumen Clear Lamp	CS-8 CS7152 260-Watt MH Design 30 23,000-Lumen Clear Lamp	CS-9 CS7154 250-Watt MH Design 40 23,000-Lumen Clear Lamp	CS-10 CS7155 250-Watt MH Design 50 23,000-Lumen Clear Lamp
---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	----------------------------------------------------------------------------

Footcandle Table

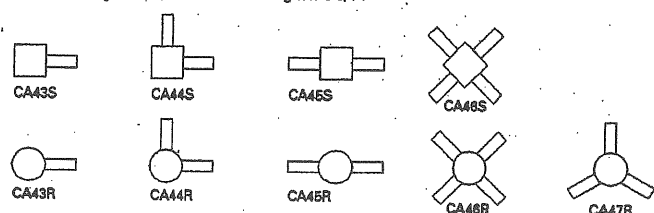
Select mounting height and read across for footcandle values of each footcandle line.

Mounting Height CS-1	Footcandle Values for Isofootcandle Lines				
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20'	3.1	1.6	0.8	0.3	0.2
25'	2.0	1.0	0.5	0.2	0.1
30'	1.4	0.7	0.3	0.1	0.1

For 400W MH, multiply footcandle readings by 1.74.

Pole Top Mounting for Square and Round Poles (order separately)

Slipfitter accommodates 2 3/8" - 3" O.D. pole top tenons. Catalog number includes slipfitter and mounting arm(s). Square unit height is 6 1/4". Round unit height is 6 3/4".



ORDERING INFORMATION

SAMPLE NUMBER: CS71529

C **S** **7** **1** **4** **5** **9**

Product Family
C-Concourse III

Housing Series
7-7000

Lamp Type
1-MH

Lamp Wattage
4-175
5-250
6-400

Optics
2-Design 20/30
3-Design 22
4-Design 40
5-Design 50

Voltage¹
1-120V
2-205V
3-240V
4-277V
5-480V
6-Triple-Tap
8-Multi-Tap

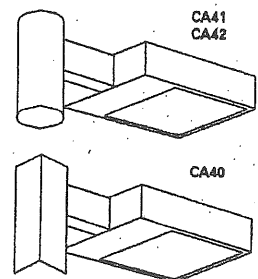
Options (add as suffix)
P=Button-type Photocontrol, Field Installed.
(NEMA Twist-Lock Photocontrol Available Upon Request)

Accessories (order separately)
CA11=House Side Shield—Design 20
CA18=House Side Shield—Design 40
CA14=Wall Mount Adapter
CA40=Direct Arm Mount for Square Pole (EPA 0.2)
CA41=Direct Arm Mount for 3" Diameter Round Pole (EPA 0.2)
CA42=Direct Arm Mount for 3 1/2" - 4" Diameter Round Pole (EPA 0.2)

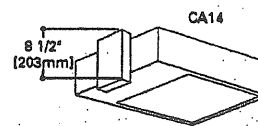
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/ Power Factor	Optics	Mounting Type ²	EPA ³	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.) ⁴
CS7142	175	MH	CWA/HPF	20/30	Meat Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	20/30	Meat Arm	0.9	32	2.15
CS7152	400*	MH	CWA/HPF	20/30	Meat Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	22	Meat Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	22	Meat Arm	0.9	32	2.15
CS7152	400*	MH	CWA/HPF	22	Meat Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	40	Meat Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	40	Meat Arm	0.9	32	2.15
CS7152	400*	MH	CWA/HPF	40	Meat Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	50	Meat Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	50	Meat Arm	0.9	32	2.15
CS7152	400*	MH	CWA/HPF	50	Meat Arm	0.9	35	2.15

NOTE: ¹ Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
² For Spider Mount, substitute "Q" for "B" in the catalog number.
³ Bracket arms are not included with standard unit. One bracket arm must be ordered for each standard unit (see Accessories).
⁴ EPA is 1.3 with Spider Mount.
⁵ Shipping volume is 8.50 cu. ft. for Spider Mount version.
⁶ 400W Metal Halide fixtures use E28 lamps only. To order E28 lamp, add suffix LA70X079 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

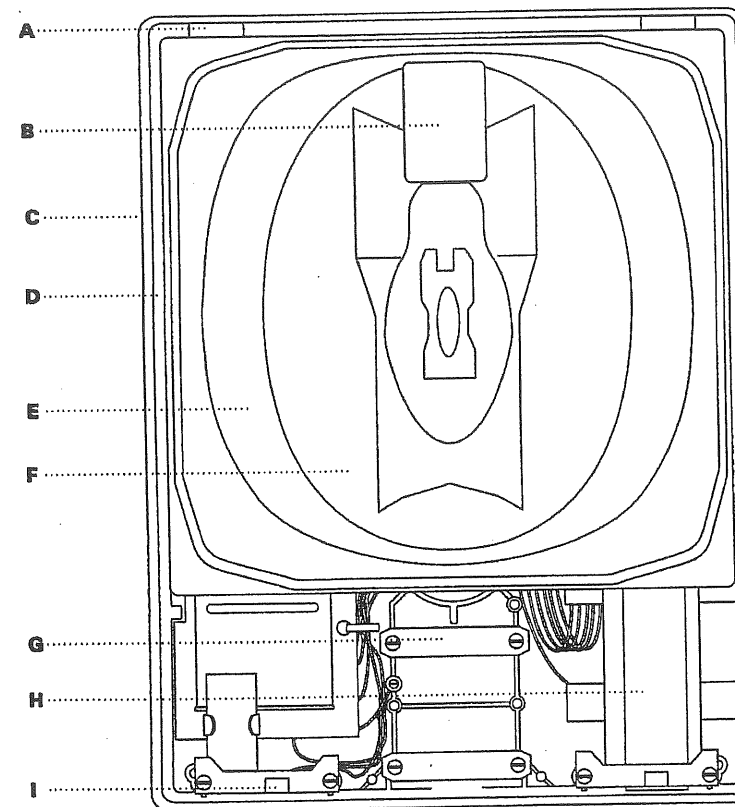
The McGraw-Edison Concourse III is the most versatile, functionally designed, universally adaptable outdoor lighting available. Through a variety of mounting styles, it offers a family of low profile sharp-cutoff luminaires that make optimum use of today's high output HID sources.

APPLICATION

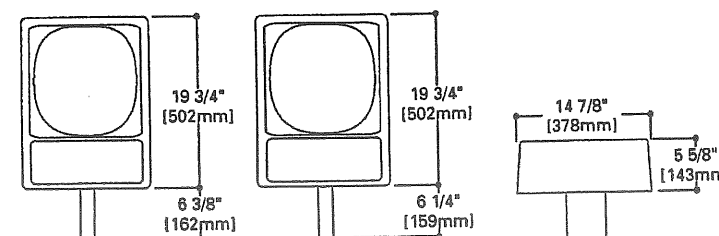
Enhancing natural landscapes as well as cityscapes, the Concourse III brings outstanding performance and style to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed for wet locations. CSA certified.

SPECIFICATION FEATURES

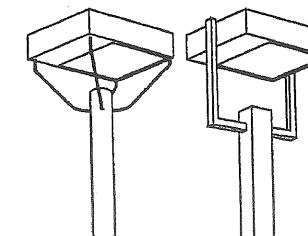
- A...Latches**
Two spring-steel quick release latches on housing for toolless entry.
- B...Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C...Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D...Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E...Lens**
Thermal shock and impact-resistant clear tempered glass.
- F...Optics**
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- I...Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.



DIMENSIONS



SPIDER/YOKE MOUNTS



C5CONCOURSE III

175-400W

Metal Halide

ARCHITECTURAL AREA LIGHT

ENERGY DATA

CWA Ballast Input Watts
175W MH HPF (210 Watts)
250W MH HPF (295 Watts)
400W MH HPF (455 Watts)

MARGINAL WAY

20' POLES TYPICAL

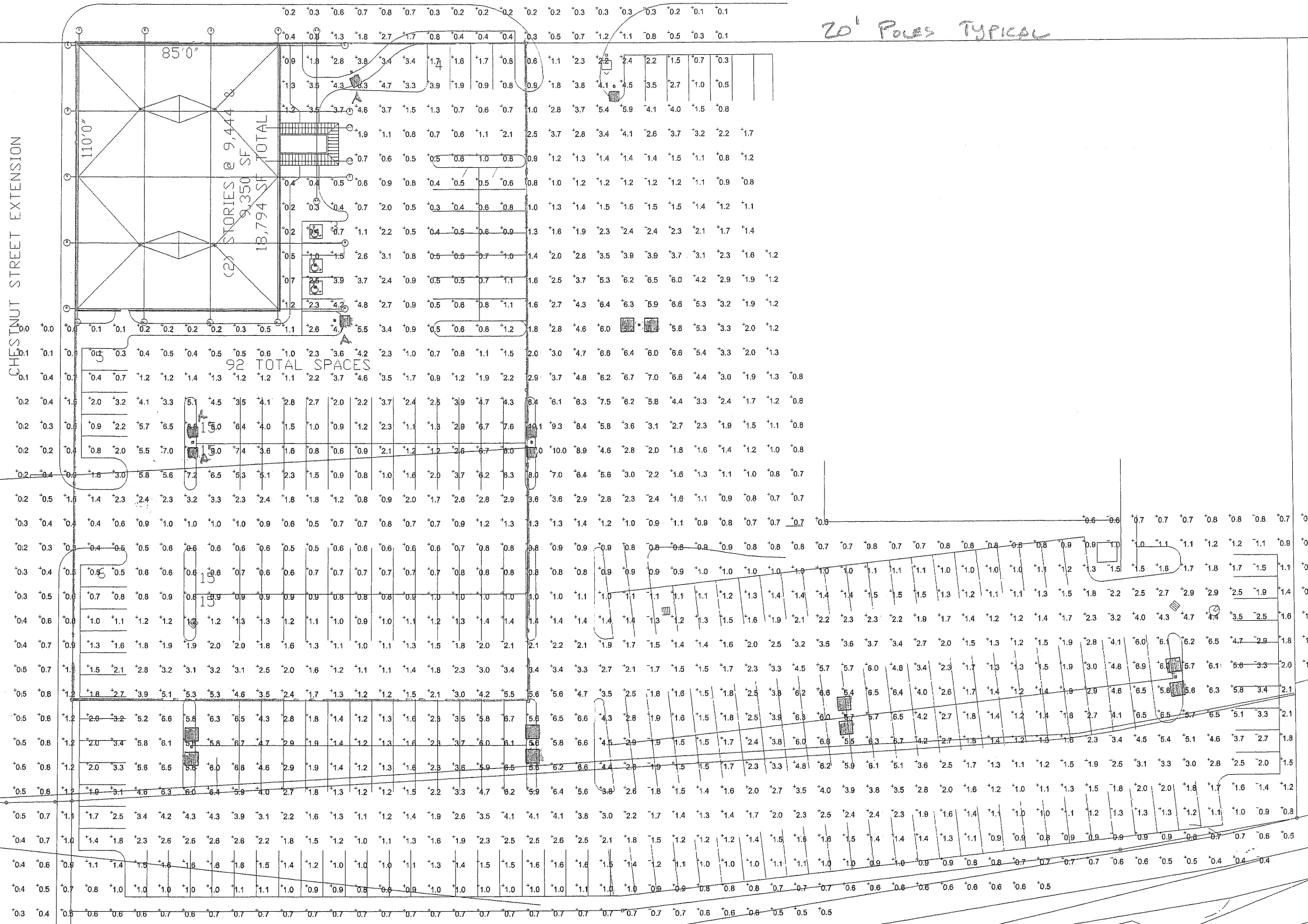
CHESTNUT STREET EXTENSION

85'0"

110'0"

(2) STORIES @ 9,444 SF
9,350 SF
18,794 SF TOTAL

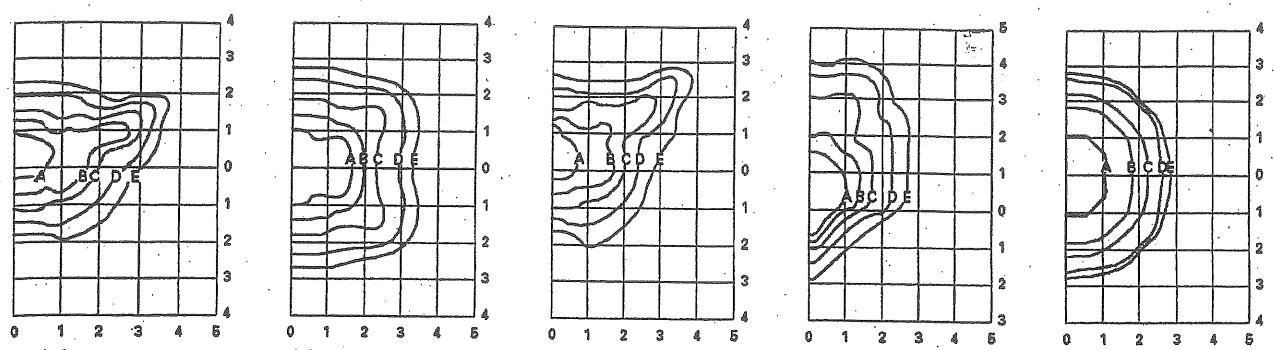
92 TOTAL SPACES



29°54'30" E 820.16'

PHOTOMETRIC PLAN - 135 MARGINAL WAY - FIVE LIVER CO. - 9/23/03

PHOTOMETRICS



CS-6 CS7152 250-Watt MH Design 20 23,000-Lumen Clear Lamp	CS-7 CS7153 250-Watt MH Design 22 23,000-Lumen Clear Lamp	CS-8 CS7152 250-Watt MH Design 30 23,000-Lumen Clear Lamp	CS-9 CS7154 250-Watt MH Design 40 23,000-Lumen Clear Lamp	CS-10 CS7155 250-Watt MH Design 50 23,000-Lumen Clear Lamp
---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	----------------------------------------------------------------------------

Footcandle Table

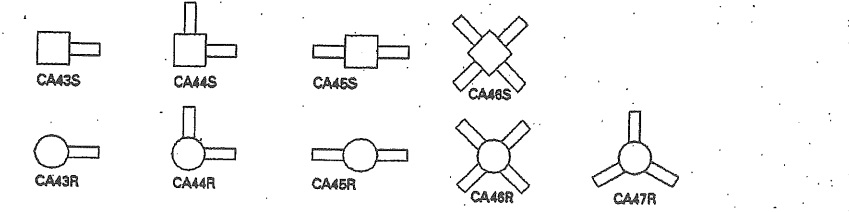
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ORDERING INFORMATION

SAMPLE NUMBER: CS71529

C **S** **7** **1** **4** **5** **9**

Product Family
C=Concourse II

Housing Series
7=7000

Lamp Type
1=MH

Lamp Wattage
4=175
5=250
6=400

Optics
2=Design 20/30
3=Design 22
4=Design 40
5=Design 50

Voltage
1=120V
2=208V
3=240V
4=277V
5=480V
6=Triple-Tap
9=Multi-Tap

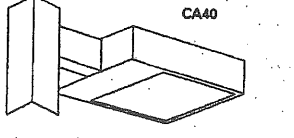
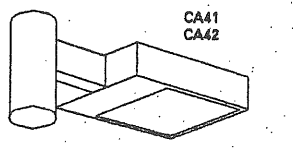
Options (add as suffix)
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CA11=House Side Shield—Design 20
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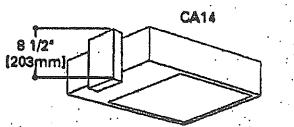
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/Power Factor	Optics	Mounting Type ¹	EPA ²	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.) ³
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CS7152	400*	MH	CWA/HPF	20/30	Mast Arm	0.9	35	2.15
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NOTES: ¹ Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
² For Spider Mount, substitute "0" for "9" in the catalog number.
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 * EPA is 1.3 with Spider Mount.
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 * 400W Metal Halide fixtures use E28 lamps only. To order E28 lamp, add suffix LA70X079 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

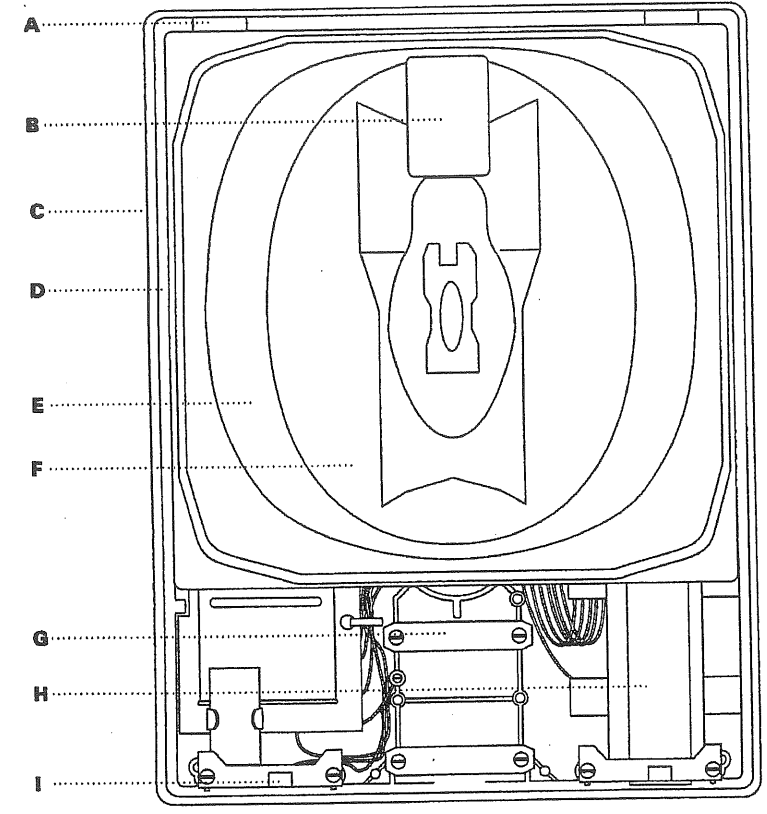
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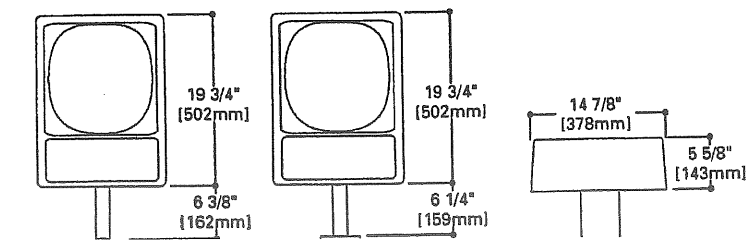
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SPECIFICATION FEATURES

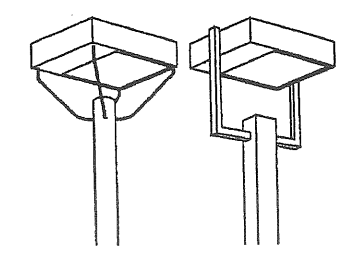
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- C...Housing**
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DIMENSIONS



SPIDER/YOKE MOUNTS



CSCONCOURSE III

175-400W
Metal Halide

ARCHITECTURAL
AREA LIGHT

ENERGY DATA

CWA Ballast Input Watts	175W MH HPF (210 Watts)
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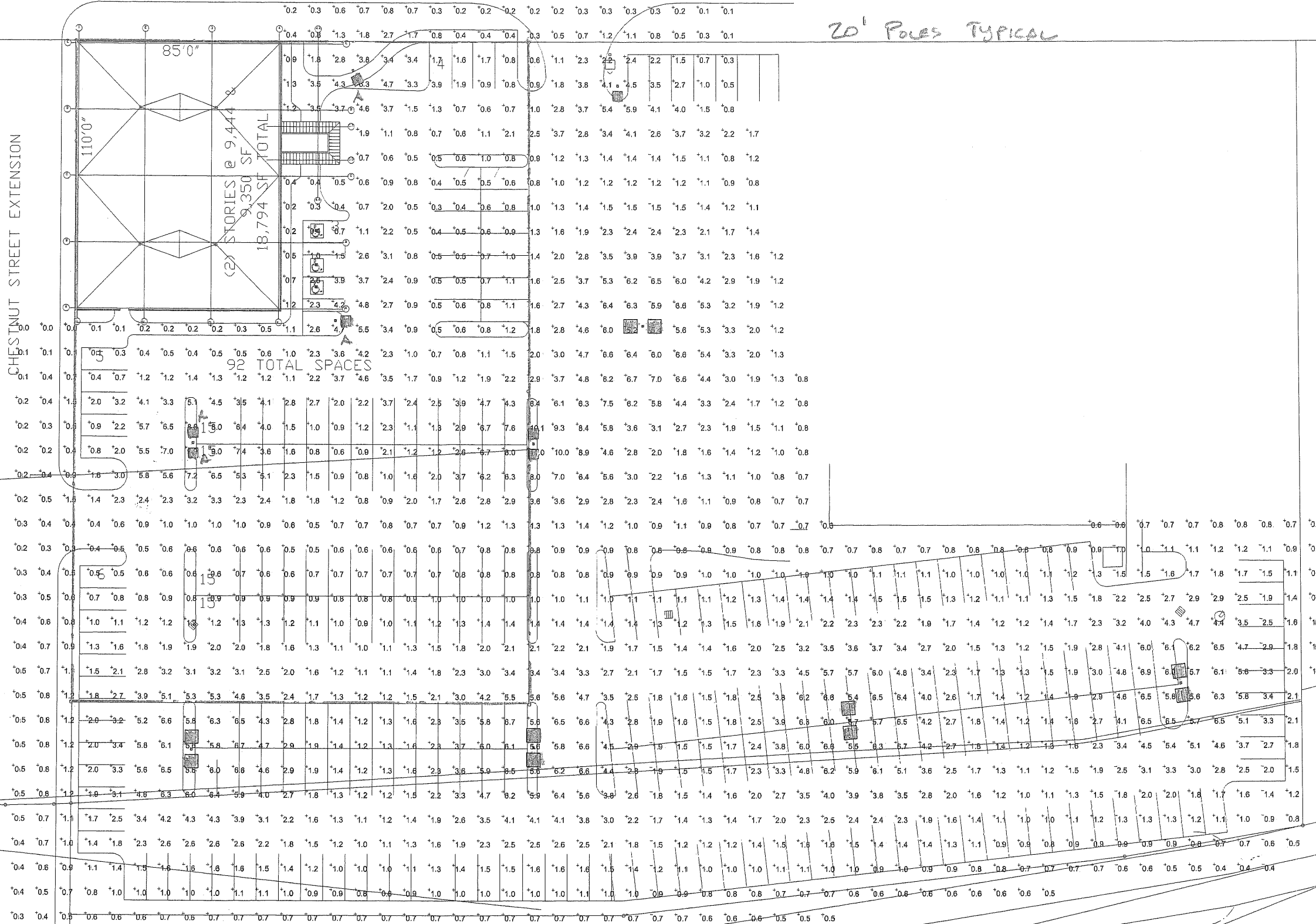
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110'0"

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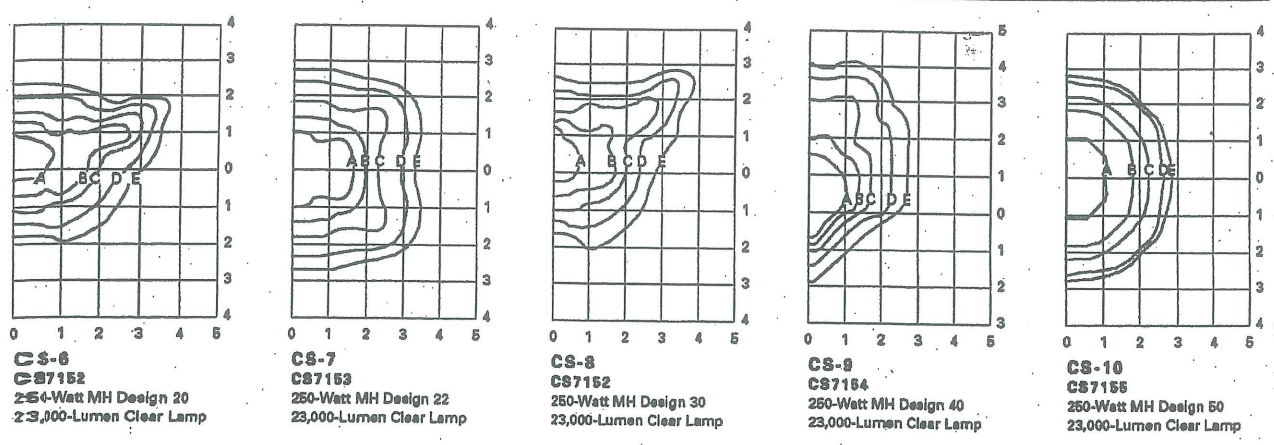


29°54'30" E 820.16'

PHOTOMETRIC PLAN - 135 MARGINAL WAY - FIVE LIVER CO. - 9/23/03

2003/12/15 04:12:00

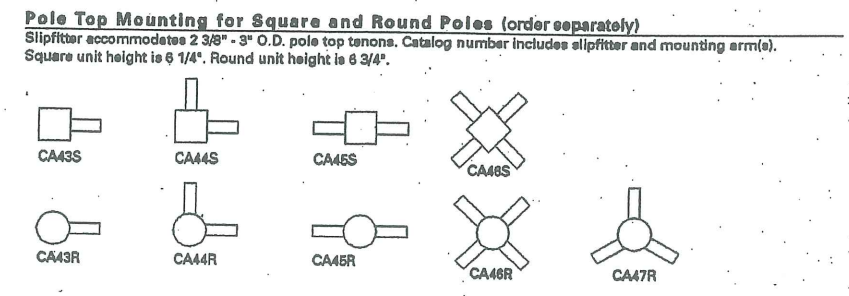
PHOTOMETRICS



Footcandle Table
Select mounting height and read across for footcandle values of each footcandle line.

Mounting Height	Footcandle Values for Isofootcandle Lines				
CS-1	A	B	C	D	E
15'	5.6	2.8	1.4	0.5	0.3
20'	3.1	1.6	0.8	0.3	0.2
25'	2.0	1.0	0.5	0.2	0.1
30'	1.4	0.7	0.3	0.1	0.1

For 400W MH, multiply footcandle readings by 1.74.



ORDERING INFORMATION

SAMPLE NUMBER: CS71529

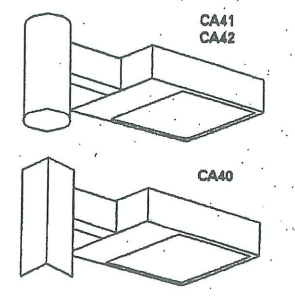
C S 7 1 4 5 9

Product Family: C-Concourse II
Housing Series: 7-7000
Lamp Type: 1-MH
Lamp Wattage: 4-175, 5-250, 6-400
Optics: 2-Design 20/30, 3-Design 22, 4-Design 40, 5-Design 50
Voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V
Options (add as suffix): P-Button-type Photocontrol, Field Installed; (NEMA Twist-Lock Photocontrol Available Upon Request)
Accessories (order separately): CA11-House Side Shield-Design 20; CA16-House Side Shield-Design 40; CA14-Wall Mount Adapter; CA40-Direct Arm Mount for Square Pole (EPA 0.2); CA41-Direct Arm Mount for 3" Diameter Round Pole (EPA 0.2); CA42-Direct Arm Mount for 3 1/2" - 4" Diameter Round Pole (EPA 0.2)

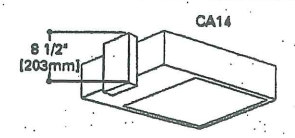
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/Power Factor	Optics	Mounting Type ¹	EPA ⁴	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.) ⁵
CS7142	175	MH	CWA/HPF	20/30	Maest Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	20/30	Maest Arm	0.9	32	2.15
CS7162	400 ⁶	MH	CWA/HPF	20/30	Maest Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	22	Maest Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	22	Maest Arm	0.9	32	2.15
CS7162	400 ⁶	MH	CWA/HPF	22	Maest Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	40	Maest Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	40	Maest Arm	0.9	32	2.15
CS7162	400 ⁶	MH	CWA/HPF	40	Maest Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	50	Maest Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	50	Maest Arm	0.9	32	2.15
CS7162	400 ⁶	MH	CWA/HPF	50	Maest Arm	0.9	35	2.15

NOTES: ¹ Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
² For Spider Mount, substitute "Q" for "B" in the catalog number.
³ Bracket arms are not included with standard unit. One bracket arm must be ordered for each standard unit (see Accessories).
⁴ EPA is 1.3 with Spider Mount.
⁵ Shipping volume is 6.50 cu. ft. for Spider Mount version.
⁶ 400W Metal Halide fixtures use E29 lamps only. To order E29 lamp, add suffix LA70X079 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

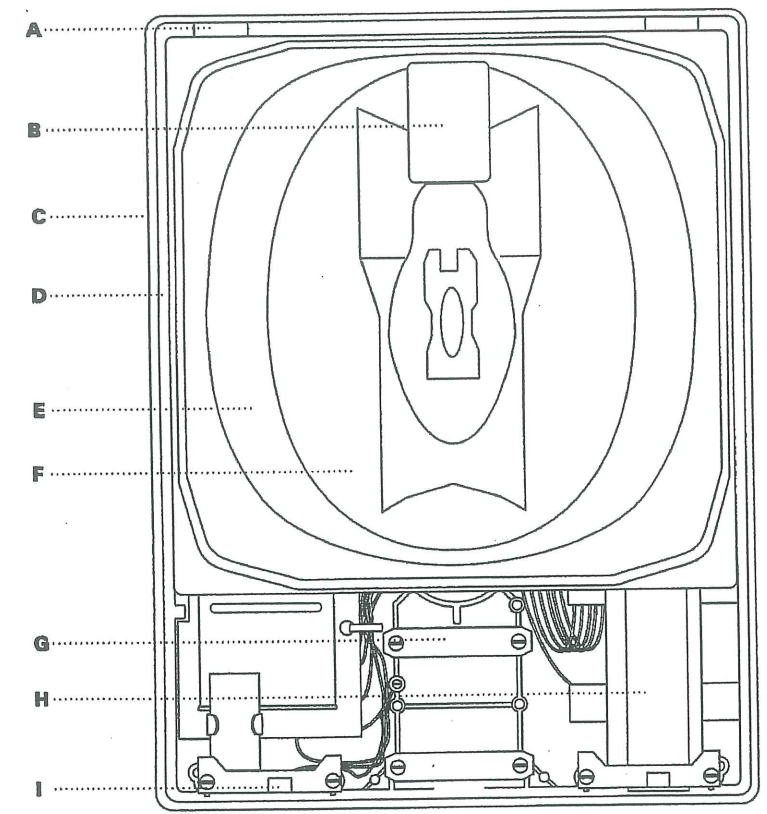
The McGraw-Edison Concourse III is the most versatile, functionally designed, universally adaptable outdoor lighting available. Through a variety of mounting styles, it offers a family of low profile sharp-cutoff luminaires that make optimum use of today's high output HID sources.

APPLICATION

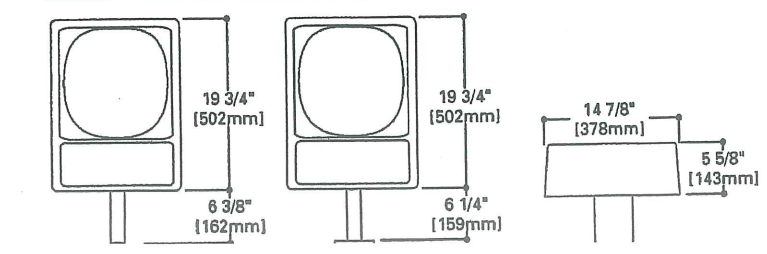
Enhancing natural landscapes as well as cityscapes, the Concourse III brings outstanding performance and style to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed for wet locations. CSA certified.

SPECIFICATION FEATURES

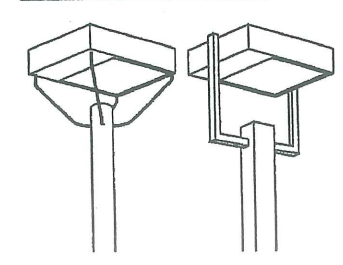
- A...Latches**
Two spring-steel quick release latches on housing for toolless entry.
- B...Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C...Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D...Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E...Lens**
Thermal shock and impact-resistant clear tempered glass.
- F...Optics**
One-piece hydroformed anodized aluminum reflectors provide five different optical distributions and sharp cutoff control.
- G...Mounting**
Universal mounting clamp concealed in housing fits 1 1/2" to 2 3/8" O.D. horizontal tenons without adapters. Provides a +5° vertical leveling adjustment.
- H...Ballast**
Easily removable high power factor HID Multi-Tap ballast is standard.
- I...Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.



DIMENSIONS



SPIDER/YOKE MOUNTS



CSCONCOURSE III

175-400W
Metal Halide

ARCHITECTURAL AREA LIGHT

ENERGY DATA

CWA Ballast Input Watts	175W MH HPF (210 Watts)
	250W MH HPF (295 Watts)
	400W MH HPF (455 Watts)

MARGINAL WAY

20' POLES TYPICAL

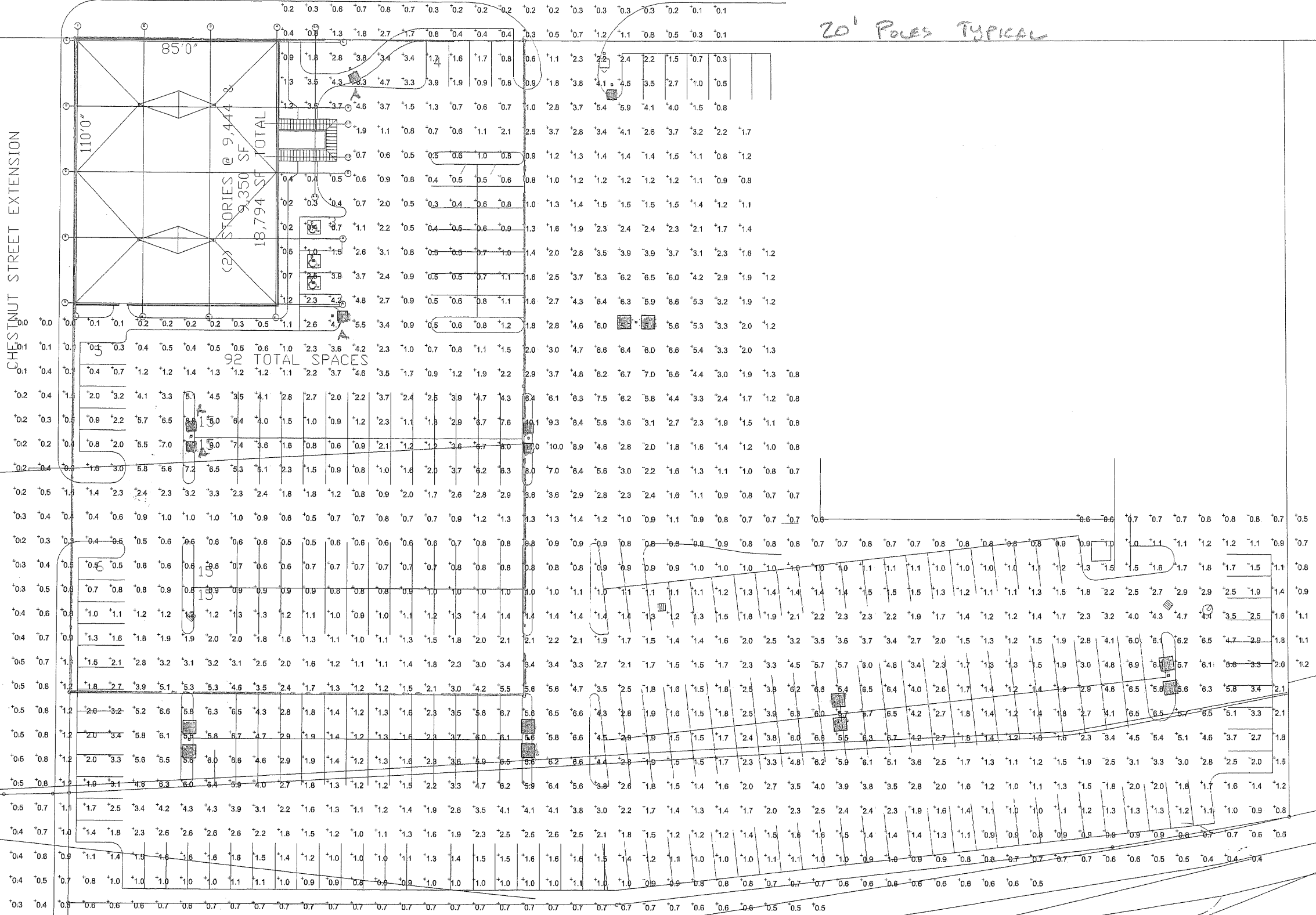
CHESTNUT STREET EXTENSION

85'0"

110'0"

(2) STORIES @ 9,444 SF
9,350 SF
18,794 SF TOTAL

92 TOTAL SPACES



29°54'30" E

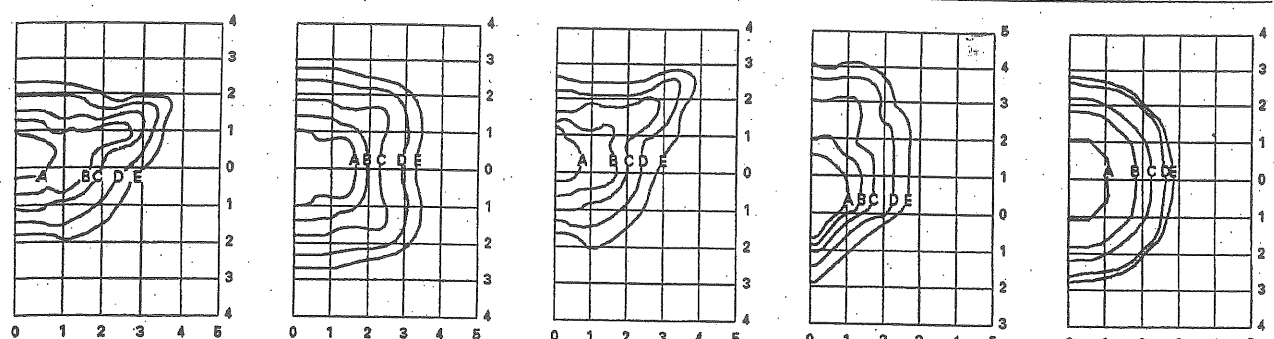
820.16'

PHOTOMETRIC PLAN - 135 MARGINAL WAY - FIVE LIVER CO. - 9/23/03

9/23/03 10:52 AM

PHOTOMETRICS

C5CONCOURSE III



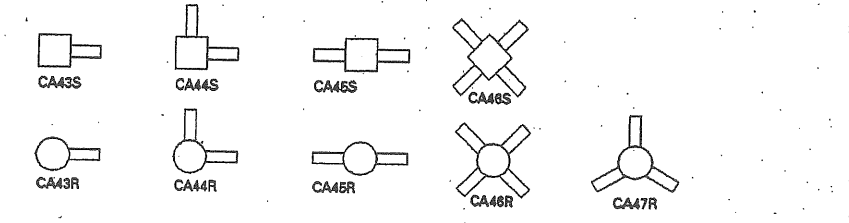
CS-6 C87152 254-Watt MH Design 20 23,000-Lumen Clear Lamp	CS-7 C87153 250-Watt MH Design 22 23,000-Lumen Clear Lamp	CS-8 C87152 250-Watt MH Design 30 23,000-Lumen Clear Lamp	CS-9 C87154 250-Watt MH Design 40 23,000-Lumen Clear Lamp	CS-10 C87155 250-Watt MH Design 50 23,000-Lumen Clear Lamp
---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	----------------------------------------------------------------------------

Footcandle Table
Select mounting height and read across for footcandle values of each isofootcandle line.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
15'	5.6	2.8	1.4	0.5	0.3
20'	3.1	1.6	0.8	0.3	0.2
25'	2.0	1.0	0.5	0.2	0.1
30'	1.4	0.7	0.3	0.1	0.1

For 400W MH, multiply footcandle readings by 1.74.

Pole Top Mounting for Square and Round Poles (order separately)
Slipfitter accommodates 2 3/8" - 3" O.D. pole top tenons. Catalog number includes slipfitter and mounting arms. Square unit height is 6 1/4". Round unit height is 6 3/4".



ORDERING INFORMATION

SAMPLE NUMBER: C871529

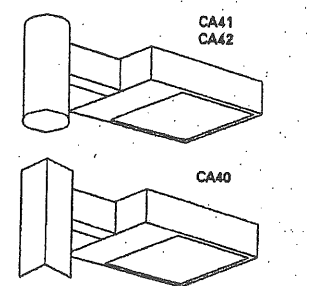
C Product Family: C-Concourse III
S Housing Series: 7-7000
7 Lamp Type: 1-MH
1 Lamp Wattage: 4-175, 5-250, 6-400
4 Optics: 2-Design 20/30, 3-Design 22, 4-Design 40, 5-Design 50
5 Voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, 6-Triple-Tap, 9-Multi-Tap
9 Options (add as suffix): P-Button-type Photocontrol, Field Installed. (NEMA Twist-Lock Photocontrol Available Upon Request)

Accessories (order separately):
 CA11-House Side Shield—Design 20
 CA16-House Side Shield—Design 40
 CA14-Wall Mount Adapter
 CA40-Direct Arm Mount for Square Pole (EPA 0.2)
 CA41-Direct Arm Mount for 3" Diameter Round Pole (EPA 0.2)
 CA42-Direct Arm Mount for 3 1/2" - 4" Diameter Round Pole (EPA 0.2)

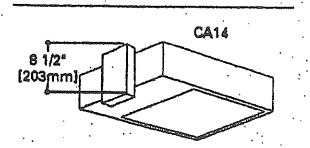
Catalog Number	Lamp Wattage	Lamp Type	Ballast Type/Power Factor	Optics	Mounting Type**	EPA†	Net Wt. (Lbs.)	Shipping Volume (Cu.Ft.)†
CS7142	175	MH	CWA/HPF	20/30	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	20/30	Mast Arm	0.9	32	2.15
CS7182	400†	MH	CWA/HPF	20/30	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	22	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	22	Mast Arm	0.9	32	2.15
CS7182	400†	MH	CWA/HPF	22	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	40	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	40	Mast Arm	0.9	32	2.15
CS7182	400†	MH	CWA/HPF	40	Mast Arm	0.9	35	2.15
CS7142	175	MH	CWA/HPF	50	Mast Arm	0.9	34	2.15
CS7152	250	MH	CWA/HPF	50	Mast Arm	0.9	32	2.15
CS7182	400†	MH	CWA/HPF	50	Mast Arm	0.9	35	2.15

NOTES: † Multi-Tap ballast is 120/208/240/277V. Triple-Tap ballast is 120/277/347V.
 * For Spider Mount, substitute "Q" for "B" in the catalog number.
 † Bracket arms are not included with standard unit. One bracket arm must be ordered for each standard unit (see Accessories).
 † EPA is 1.9 with Spider Mount.
 † Shipping volume is 8.50 cu. ft. for Spider Mount version.
 † 400W Metal Halide fixtures use E28 lamps only. To order E28 lamp, add suffix LA70X078 to catalog number.

DIRECT ARM MOUNTINGS



WALL MOUNT ADAPTER



TYPE: A

CATALOG #:

DESCRIPTION

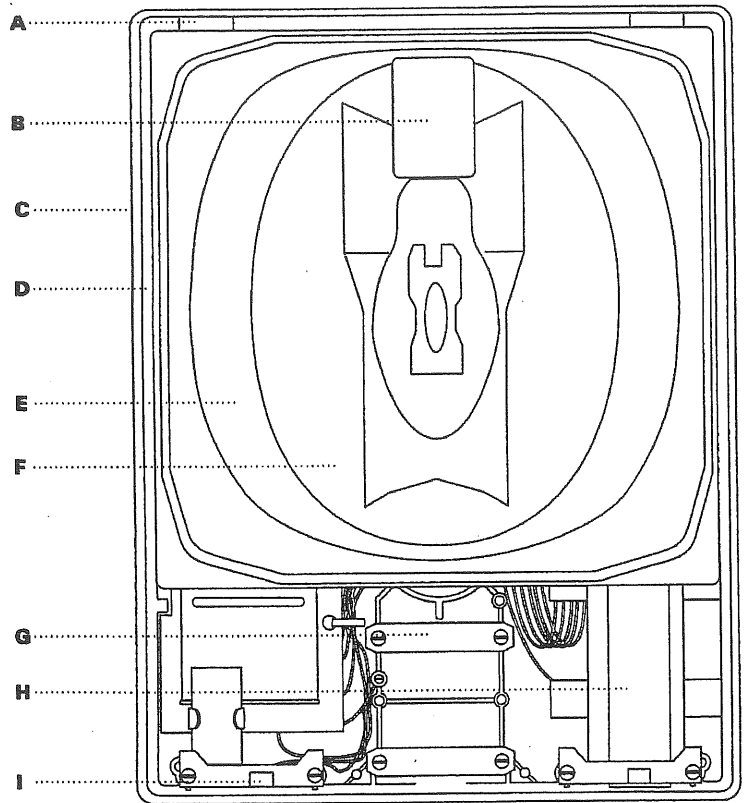
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APPLICATION

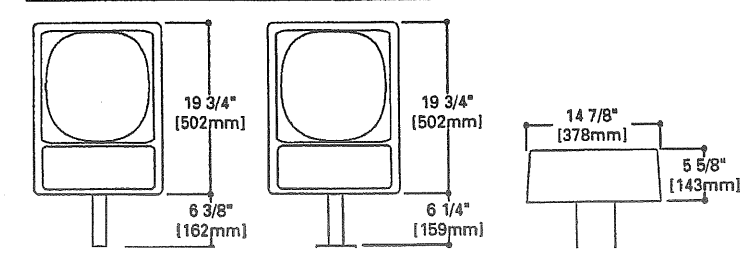
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SPECIFICATION FEATURES

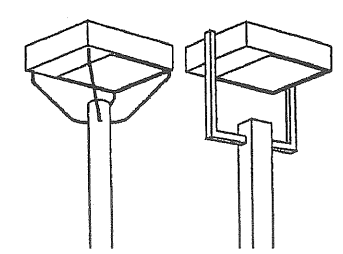
- A...Latches**
Two spring-steel quick release latches on housing for toolless entry.
- B...Socket**
Porcelain mogul-base screw shell type lamp socket with spring-loaded center contact.
- C...Housing**
One-piece, die-cast aluminum housing features aesthetically pleasing soft-corner design.
- D...Gasketing**
Closed cell gas-filled high temperature silicone gasketing completely seals optical system from dirt, bugs or other foreign material.
- E...Lens**
Thermal shock and impact-resistant clear tempered glass.
- F...Optics**
One-piece hydroformed, anodized aluminum reflectors provide five different optical distributions and sharp cutoff control.
- G...Mounting**
Universal mounting clamp concealed in housing fits 1 1/2" to 2 3/8" O.D. horizontal tenons without adapters. Provides a +5° vertical leveling adjustment.
- H...Ballast**
Easily removable high power factor HID Multi-Tap ballast is standard.
- I...Hinges**
Integral hinges prevent door rocking and optimize sealing capabilities.



DIMENSIONS



SPIDER/YOKE MOUNTS



C5CONCOURSE III

175-400W
Metal Halide

ARCHITECTURAL
AREA LIGHT

ENERGY DATA

CWA Ballast Input Watts	175W MH HPF (210 Watts)
	250W MH HPF (295 Watts)
	400W MH HPF (455 Watts)

NOTE: Specifications and Dimensions subject to change without notice.