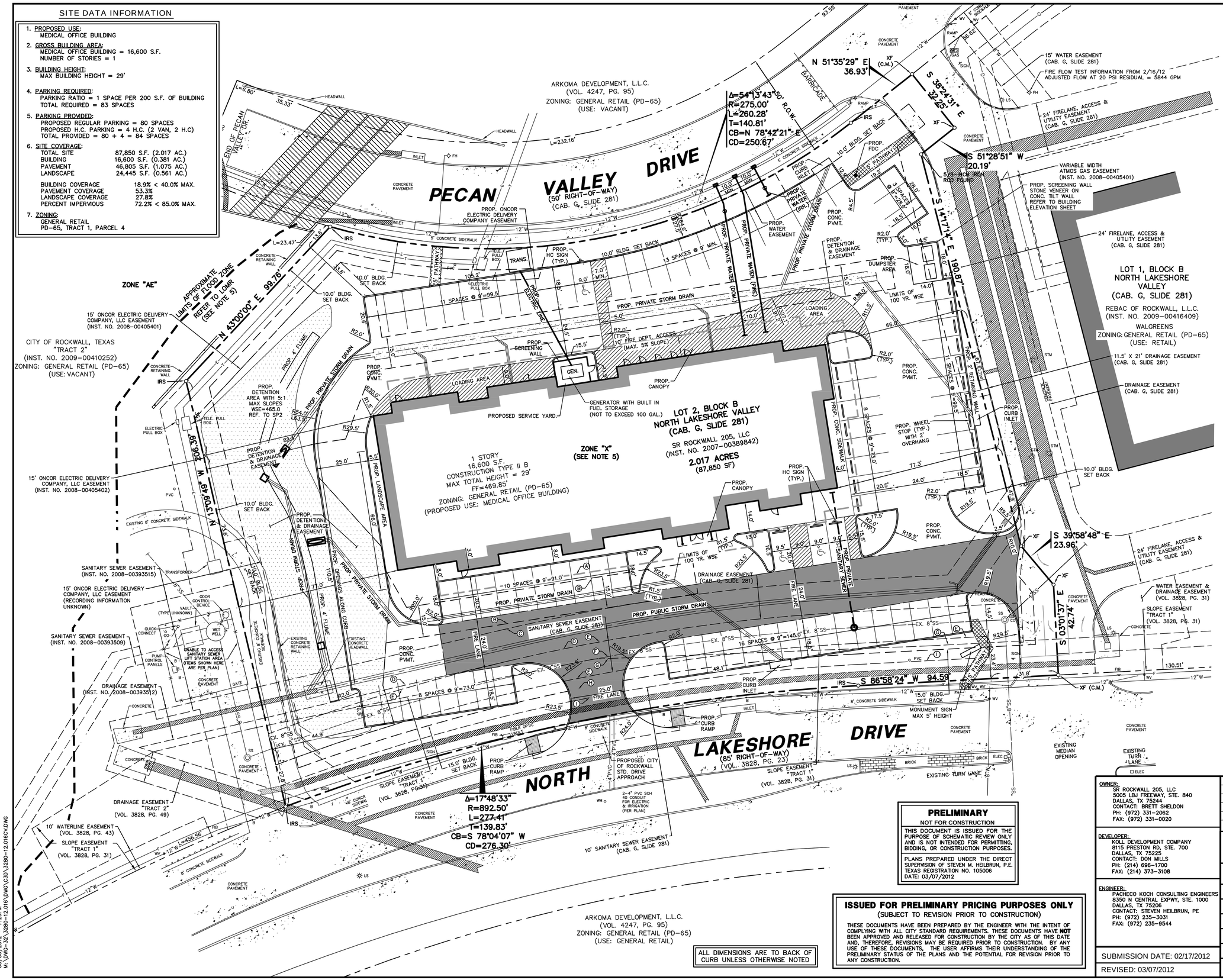
SITE DATA INFORMATION

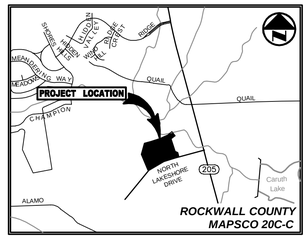
1. PROPOSED USE:
   MEDICAL OFFICE BUILDING
2. GROSS BUILDING AREA:
   MEDICAL OFFICE BUILDING = 16,600 S.F.
   NUMBER OF STORIES = 1
3. BUILDING HEIGHT:
   MAX BUILDING HEIGHT = 29'
4. PARKING REQUIRED:
   PARKING RATIO = 1 SPACE PER 200 S.F. OF BUILDING
   TOTAL REQUIRED = 83 SPACES
5. PARKING PROVIDED:
   PROPOSED REGULAR PARKING = 80 SPACES
   PROPOSED H.C. PARKING = 4 H.C. (2 VAN, 2 H.C)
   TOTAL PROVIDED = 80 + 4 = 84 SPACES
6. SITE COVERAGE:

TOTAL SITE	87,850 S.F.	(2.017 AC.)
BUILDING	16,600 S.F.	(0.381 AC.)
PAVEMENT	46,805 S.F.	(1.075 AC.)
LANDSCAPE	24,445 S.F.	(0.561 AC.)
BUILDING COVERAGE	18.9% < 40.0% MAX.	
PAVEMENT COVERAGE	53.3%	
LANDSCAPE COVERAGE	27.8%	
PERCENT IMPERVIOUS	72.2% < 85.0% MAX.	

7. ZONING:
   GENERAL RETAIL
   PD-65, TRACT 1, PARCEL 4



0 10 20 40 60
GRAPHIC SCALE IN FEET
SCALE: 1" = 20'



VICINITY MAP
(NOT TO SCALE)

LEGEND

B	BOLLARD	TELE	TELEPHONE BOX
EM	ELECTRIC METER		FLOOD LIGHT
PP	POWER POLE	FP	FLAG POLE
LS	LIGHT STANDARD	SIGN	TRAFFIC SIGN
WM	WATER METER	IRS	1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET
WV	WATER VALVE	(C.M.)	CONTROLLING MONUMENT
ICV	IRRIGATION CONTROL VALVE	XF	"+" CUT IN CONCRETE FOUND
FH	FIRE HYDRANT		PROPERTY LINE
CO	CLEANOUT		EASEMENT LINE
MH	MANHOLE	x	FENCE
TSC	TRAFFIC SIGNAL CONTROL	OHU	OVERHEAD UTILITY LINE
TSP	TRAFFIC SIGNAL POLE	C	UNDERGROUND ELECTRIC LINE
FIB	UG FIB. OPTIC MARKER	GAS	GAS TEST STATION
GAS	UG GAS MARKER	ICV	STORM DRAIN LINE
FDC	FIRE DEPARTMENT CONNECTION	6"W	WATER LINE
	DETENTION VOLUME LIMITS	6"SS	SANITARY SEWER LINE
	FIRE LANE, MIN. 6" REINFORCED CONCRETE PAVEMENT (3600 PSI)	FL	FLOWLINE

SITE PLAN NOTES:

1. A SEPARATE SIGN PERMIT WILL BE REQUIRED FOR ALL SIGNS.
2. THIS FACILITY WILL HAVE A FIRE PROTECTION SYSTEM WITH FIRE SPRINKLERS.
3. THE INTENT OF THIS PLAN IS TO SHOW THE CONCEPTUAL DRAINAGE DESIGN FOR THE PROPOSED PROJECT AS PART OF THE SITE PLAN APPROVAL PROCESS ONLY AND SHALL NOT BE CONSTRUED AS A FINAL DESIGN. THE DETENTION DESIGN AND SUPPORTING CALCULATIONS WILL BE INCLUDED WITH THE ENGINEERING PLANS AND BE REVIEWED AND APPROVED BY THE CITY OF ROCKWALL ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
4. THE LIGHT LEVELS ALONG ALL PROPERTY LINES AND STREET FRONTAGES MUST BE 0.2-FC OR LESS.
5. SUBJECT PROPERTY IS SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR ROCKWALL COUNTY, TEXAS AND INCORPORATED AREAS, MAP NO. 48397C0030L, COMMUNITY-PANEL NO. 480543 0030 L, EFFECTIVE DATE: SEPTEMBER 26, 2008 REVISED TO REFLECT LOMR EFFECTIVE: JANUARY 19, 2010. ALL OF THE SUBJECT PROPERTY IS SHOWN TO BE LOCATED IN ZONE "X" ON SAID MAP. THE LOCATION OF THE SAID FLOODZONES IS BASED ON SAID MAP, IS APPROXIMATE AND IS NOT LOCATED ON THE GROUND. RELEVANT ZONES ARE DEFINED ON SAID MAP AS FOLLOWS:

   ZONE "X" – OTHER AREAS: AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.
6. UNDERGROUND FIRE LANE PIPING SHALL HAVE A 10-FOOT MINIMUM SEPARATION FROM ALL OTHER UTILITIES AND PLACED IN A SEPARATE TRENCH. UNDERGROUND PIPING WITHIN 5-FEET OF THE BUILDING MAY BE COMBINED WITH UTILITIES FOR ENTRANCE TO THE BUILDING.
7. FIRE LANE SHALL HAVE A MINIMUM CONCRETE PAVEMENT THICKNESS OF NO LESS THAN 6" PER CITY REQUIREMENTS.
8. A FIVE (5) FOOT CLEAR PATHWAY SHALL BE PROVIDED AS SHOWN FOR FIRE HYDRANT AND FDC ACCESS.

(A) 10' FIRE DEPARTMENT ACCESS
(B) PROPOSED DETENTION & DRAINAGE EASEMENT
(C) EXISTING DRAINAGE EASEMENT (CAB. G, SLIDE 281)
(D) EXISTING DRAINAGE EASEMENT (INST. NO. 2008-00393512)
(E) EXISTING SANITARY SEWER EASEMENT (CAB. G, SLIDE 281)
(F) EXISTING 8" SANITARY SEWER LINE
(G) EXISTING SLOPE EASEMENT "TRACT 1" (VOL. 3828, PG. 31)
(H) 15' BUILDING SETBACK LINE
(I) EXISTING 10' SANITARY SEWER EASEMENT (CAB. G, SLIDE 281)

PRELIMINARY
NOT FOR CONSTRUCTION
THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF SCHEMATIC REVIEW ONLY AND IS NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.
PLANS PREPARED UNDER THE DIRECT SUPERVISION OF STEVEN M. HEILBRUN, P.E. TEXAS REGISTRATION NO. 105006
DATE: 03/07/2012

ISSUED FOR PRELIMINARY PRICING PURPOSES ONLY
(SUBJECT TO REVISION PRIOR TO CONSTRUCTION)
THESE DOCUMENTS HAVE BEEN PREPARED BY THE ENGINEER WITH THE INTENT OF COMPLYING WITH ALL CITY STANDARD REQUIREMENTS. THESE DOCUMENTS HAVE **NOT** BEEN APPROVED AND RELEASED FOR CONSTRUCTION BY THE CITY AS OF THIS DATE AND, THEREFORE, REVISIONS MAY BE REQUIRED PRIOR TO CONSTRUCTION. BY ANY USE OF THESE DOCUMENTS, THE USER AFFIRMS THEIR UNDERSTANDING OF THE PRELIMINARY STATUS OF THE PLANS AND THE POTENTIAL FOR REVISION PRIOR TO ANY CONSTRUCTION.

SUBMISSION DATE: 02/17/2012
REVISED: 03/07/2012

OWNER:
SR ROCKWALL 205, LLC
5005 LBJ FREEWAY, STE. 840
DALLAS, TX 75244
CONTACT: BRETT SHELDON
PH: (972) 331-2062
FAX: (972) 331-0020

DEVELOPER:
KOLL DEVELOPMENT COMPANY
8115 PRESTON RD, STE. 700
DALLAS, TX 75225
CONTACT: DON MILLS
PH: (214) 696-1700
FAX: (214) 373-3108

ENGINEER:
PACHECO KOCH CONSULTING ENGINEERS
8350 N CENTRAL EXPWY, STE. 1000
DALLAS, TX 75206
CONTACT: STEVEN HEILBRUN, PE
PH: (972) 235-3031
FAX: (972) 235-9544

NO.	DATE	REVISION

Pacheco Koch
DALLAS • FORT WORTH • HOUSTON
8350 N. CENTRAL EXPWY. SUITE 1000
DALLAS, TX 75206 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-100080-00

SITE PLAN

ROCKWALL MOB CLINIC
LOT 2, BLOCK B
NORTH LAKESHORE VALLEY
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SMH	MG	MAR 2012	1"=20'			SP1

PK FILE: 3280-12.016
DWG FILE: 3280-12.016CV.DWG
XREF FILE: 3280-12.016SU.DWG

ROCKWALL MOB CLINIC

MGAUS
03/06/2012 - 7:29PM
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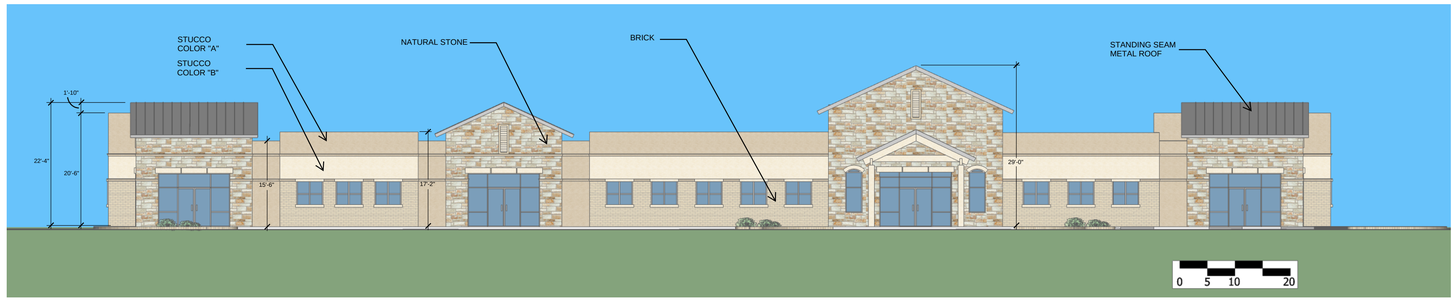
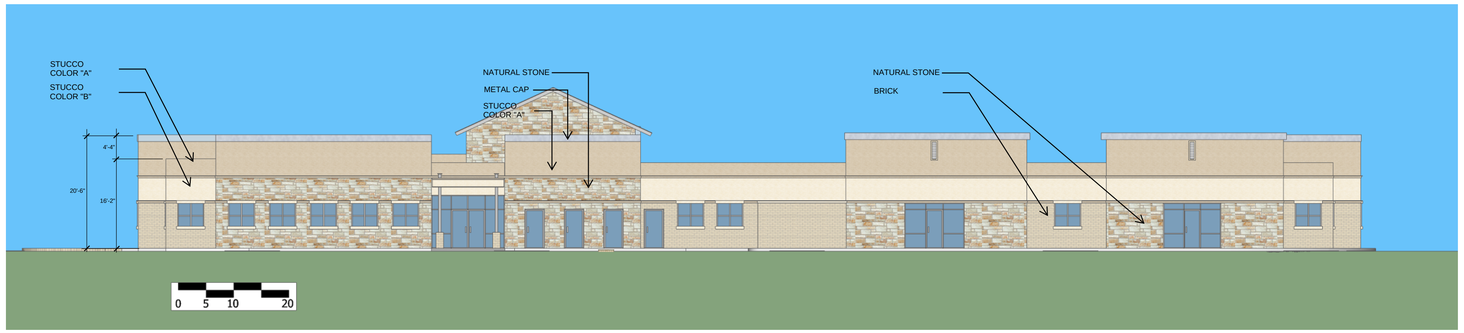
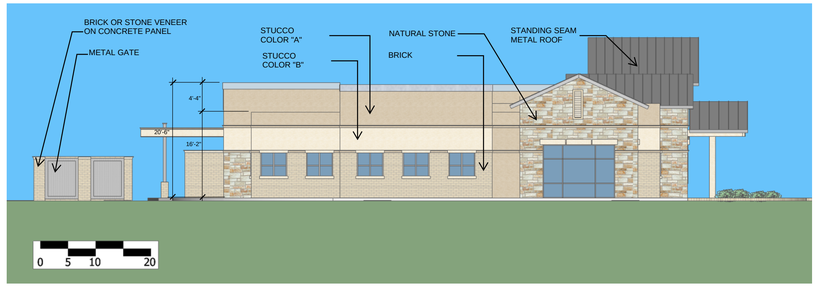


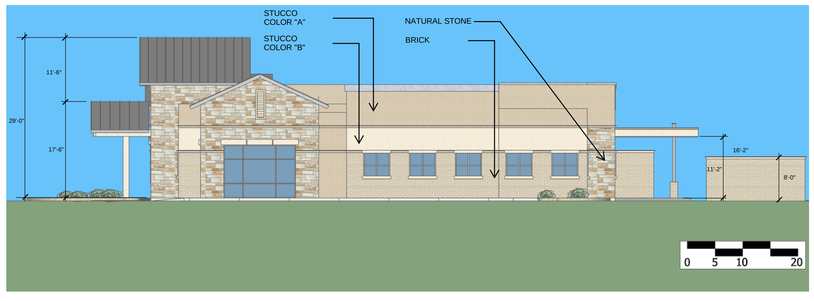
3 SOUTH ELEVATION
NTS



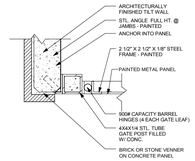
4 NORTH ELEVATION
NTS



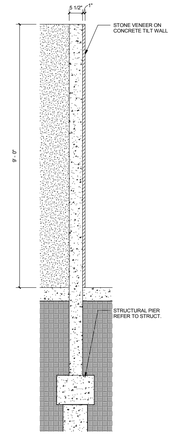
5 WEST ELEVATION ONE
NTS



6 EAST ELEVATION
NTS



1 TRASH ENCLOSURE - GATE JAMB DETAIL



2 DUMPSTER ENCLOSURE SECTION
NTS

GENERAL NOTES

1. ONE STORY MOB: 16,600 S.F.

2. MATERIAL TABULATIONS:

SOUTH ELEVATION
NATURAL STONE: 30%
STUCCO: 43%
BRICK: 27%

NORTH ELEVATION
NATURAL STONE: 34%
STUCCO: 42%
BRICK: 17%
METAL: 1%

EAST ELEVATION
NATURAL STONE: 35%
STUCCO: 42%
BRICK: 23%

WEST ELEVATION
NATURAL STONE: 36%
STUCCO: 42%
BRICK: 22%

3. WHITE T.P.O ROOF

OWNER:
SR ROCKWALL 205, LLC
5005 LBJ FREEWAY, SUITE 840
DALLAS, TX 75244

CONTACT:
BRETT SHELDON
(972) 331-2062

PREPARER:

NO.	DATE	REVISION

Pacheco Koch
DALLAS ▪ FORT WORTH ▪ HOUSTON
8350 N. CENTRAL EXPWY. SUITE 1000
DALLAS, TX 75206 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-100080-00

ELEVATIONS & DETAILS

ROCKWALL MOB CLINIC
LOT 2, BLOCK B
NORTH LAKESHORE VALLEY
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SMH	MG	MAR 2012	1"=20'			A0.1

PK FILE: 3280-12.016

DWG FILE: ACAD-3280-12 016UT.DWG

ROCKWALL MOB CLINIC

11781
02/16/2012 - 4:44PM
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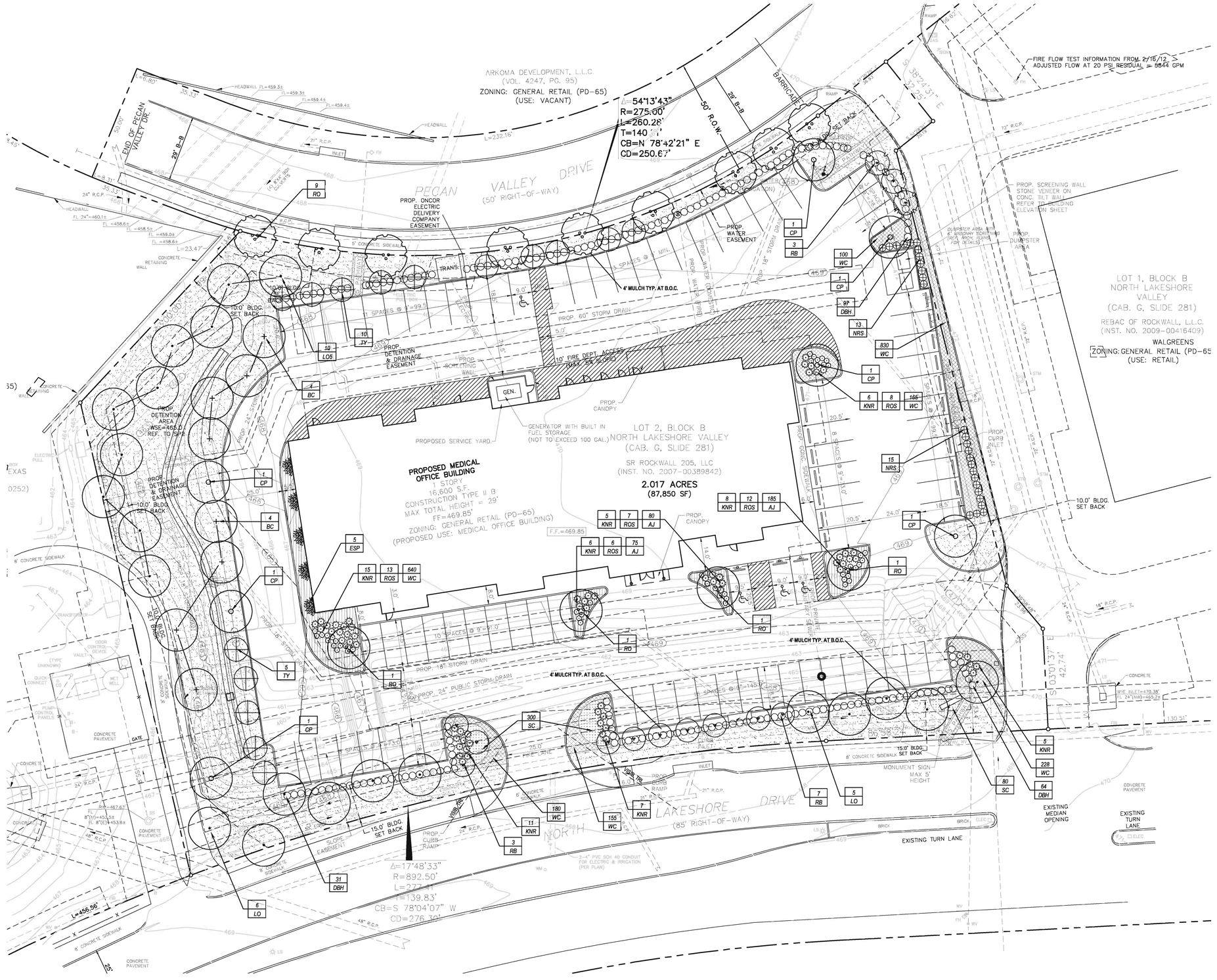
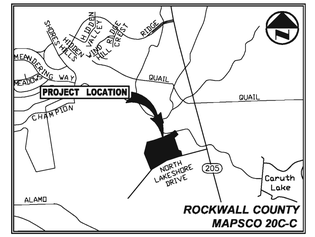




VICINITY MAP
(NOT TO SCALE)

LANDSCAPE NOTES

1. *Contractor shall verify all existing and proposed site elements and notify Architect of any discrepancies. Survey data of existing conditions was supplied by others.*
2. *Contractor shall locate all existing underground utilities and notify Architect of any conflicts. Contractor shall exercise caution when working in the vicinity of underground utilities.*
3. *Contractor is responsible for obtaining all required landscape and irrigation permits.*
4. *Contractor to provide a minimum 2% slope away from all structures.*
5. *All planting beds and lawn areas to be separated by steel edging. No steel to be installed adjacent to sidewalks or curbs.*
6. *All landscape areas to be 100% irrigated with an underground automatic irrigation system and shall include rain and freeze sensors.*
7. *All lawn areas to be Solid Sod Bermudagrass, unless otherwise noted on the drawings.*

MAINTENANCE NOTES

1. *The Owner, tenant and their agent, if any, shall be jointly and severally responsible for the maintenance of all landscape.*
2. *All landscape shall be maintained in a neat and orderly manner at all times. This shall include mowing, edging, pruning, fertilizing, watering, weeding and other such activities common to landscape maintenance.*
3. *All landscape areas shall be kept free of trash, litter, weeds and other such material or plants not part of this plan.*
4. *All plant material shall be maintained in a healthy and growing condition as is appropriate for the season of the year.*
5. *All plant material which dies shall be replaced with plant material of equal or better value.*
6. *Contractor shall provide separate bid proposal for one year's maintenance to begin after final acceptance.*

LANDSCAPE TABULATIONS

SITE REQUIREMENTS (site area 87,850 s.f.)
Requirements: 15% site area to be landscaped

Required	Provided
13,177.5 s.f. (15%)	21,395 s.f. (24.35%)

FRONT YARD REQUIREMENTS
Requirements: 50% of required landscape must be located in front yard

Required	Provided
6,588 s.f. (50%)	6,588 s.f.

STREET REQUIREMENTS: SCENIC OVERLAY
Requirements: (3) canopy tree 4" cal. and (4) accent trees, 4' ht. per 100 l.f. of frontage

NORTH LAKESHORE DRIVE (372.00 l.f.)

Required	Provided
(11) trees, 4" cal.	(11) trees, 4" cal.
(15) trees, 4' ht.	(15) trees, 6' ht.

PECAN VALLEY DRIVE (297.21 l.f.)

Required	Provided
(9) trees, 4" cal.	(9) trees, 4" cal.
(12) trees, 4' ht.	(12) trees, 6' ht.

PARKING LOT (84 spaces.; 40,588 s.f.)
Requirements: 5% of total parking lot area and (1) tree, 3" cal. per 20 parking spaces

Required	Provided
(4) trees, 3" cal.	(4) trees, 3" cal.
2,029 s.f. (5%)	2,380 s.f. 5%

DETENTION PONDS:
Requirements: (1) tree, 3" cal. per 780 s.f. of Pond Area
POND 'A': 6,530 s.f.:
Required: (8) trees
Provided: (8) trees

MITIGATION REQUIRED: (92")

Provided:
(10) Live Oak, 5" cal. 50"
(7) Chinese Pistache, 6" cal. 42"

ALL TREES TO BE LOCATED 5' FROM WATER, SEWER AND STORM SEWER LINES

ALL TREES AND SHRUBS TO BE SETBACK 4' FROM ALL HEAD-IN PARKING

PLANT LIST

TREES

QTY.	TYPE	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
8	BC	Bald Cypress	*Taxodium distichum*	3" cal.	B&B, 12' ht., 4' spread min., 4' clear trunk
7	CP	Chinese Pistache	*Pistachia chinensis*	6" cal.	B&B, 16' ht. 7' spread min.
11	LO	Live Oak	*Quercus virginiana*	4" cal.	container grown, 15' ht. 5' spread min.
10	LOS	Live Oak	*Quercus virginiana*	5" cal.	container grown, 16' ht. 6' spread min.
13	RB	Redbud	*Cercis canadiensis*	6' ht.	B&B, single trunk
13	RO	Red Oak 'Shumard'	*Quercus shumardii*	4" cal.	container grown, 15' ht. 5' spread min.
15	TY	Tree Yaupon Holly	*Ilex vomitoria*	6' ht.	B&B, 3-5 cane, no cross caning, berried

SHRUBS

QTY.	TYPE	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
192	DBH	Dwarf Burford Holly	*Ilex comuta 'Burfordii nana'*	5 gal.	container, full plant, 36" o.c.
63	KNR	Double Knockout Rose	*Rosa sp. 'Double Knockout'*	3 gal.	container, full plant, 24" o.c.
28	NRS	Nellie R. Stevens Holly	*Ilex sp. 'Nellie R. Stevens'*	5 gal.	container, full plant, 36" o.c.
46	ROS	Rosemary	*Rosemarius alfinis*	1 gal.	container, full plant, 24" o.c.
5	ESP	Espalier Magnolia	*Magnolia sp. 'Little Gem'*	6' ht.	container, full to ground, espalier

GROUNDCOVERS

QTY.	TYPE	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
340	AJ	Asian Jasmine	*Trachelospermum asiaticum*	4" pots	container, (3) 12" runners min., 12" o.c.
2298	WC	Wintercreeper	*Euonymus fortunei coloratus*	4" pots	container, (3) 12" runners min., 12" o.c.
		Common Bermudagrass	*Cynodon dactylon*		solid sod, refer to notes
380		Seasonal Color		4" pots	container, full plant

NOTE: Plant list is an aid to bidders only. Contractor shall verify all quantities on plan. All heights and spreads are minimums. All plant material shall meet or exceed remarks as indicated. All trees to have straight trunks and be matching within varieties.

3.7.12 CITY COMMENTS

01 LANDSCAPE PLAN
SCALE: 1" = 20'-0"

0 10 20 40

smr
landscape architects, inc.
1708 N. Griffin Street
Dallas, Texas 75202
Tel 214.871.0083
Fax 214.871.0545
Email smr@smr-la.com

LICENSED LANDSCAPE ARCHITECT
BRIAN D. ADAMS
2376
STATE OF TEXAS
3.7.12

Pacheco Koch
DALLAS • FORT WORTH • HOUSTON
8350 N. CENTRAL EXPWY. SUITE 1000
DALLAS, TX 75206 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-100080-00

CALL BEFORE YOU DIG
1-800-245-4545
TEXAS ONE CALL SYSTEM

OWNER:
SR ROCKWALL 205, LLC
5005 LBJ FREEWAY, SUITE 840
DALLAS, TX 75244

CONTACT:
BRETT SHELDON
(972) 331-2062

LANDSCAPE PLAN

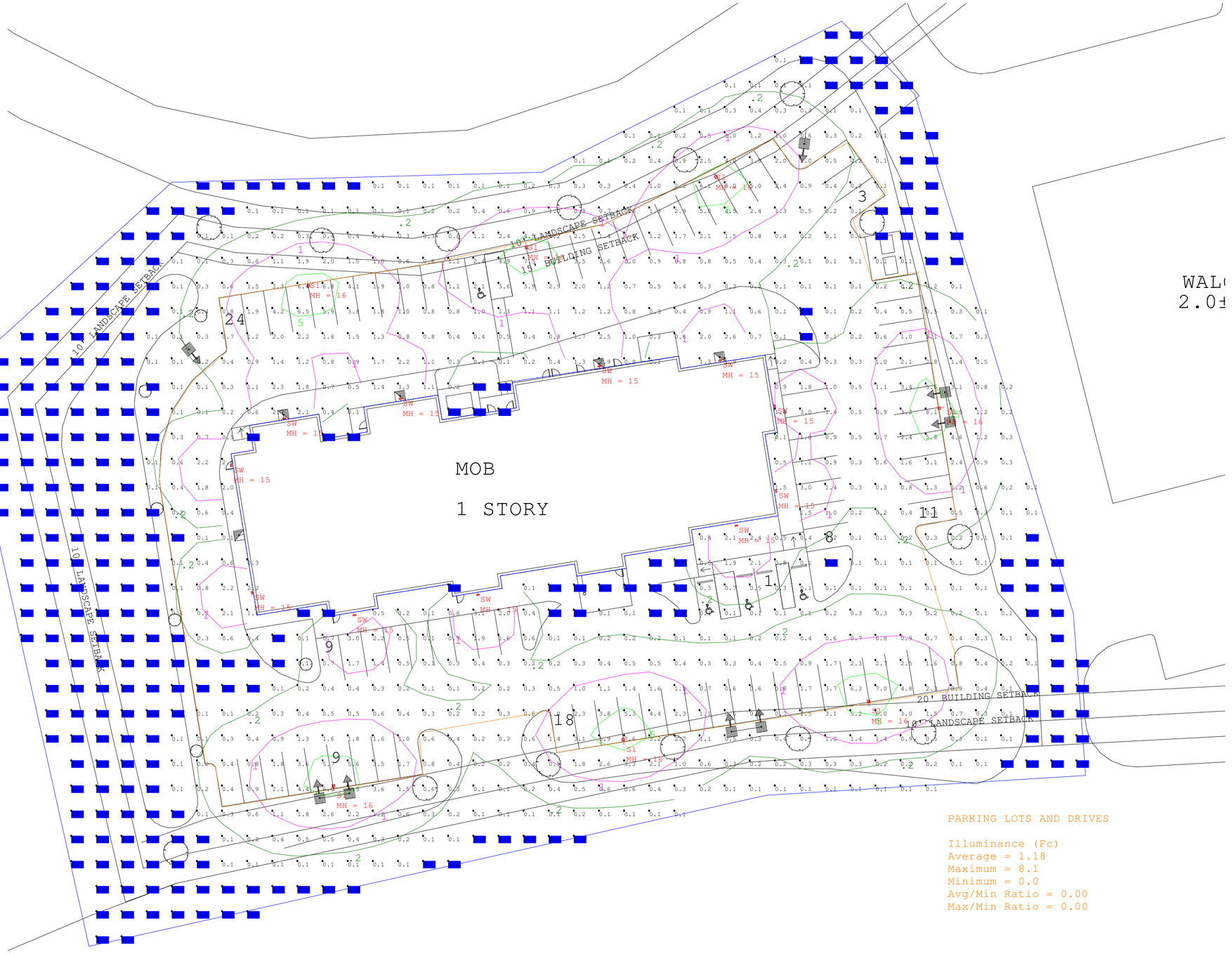
ROCKWALL MOB CLINIC

LOT 2, BLOCK B

NORTH LAKESHORE VALLEY

CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BDA	BDA	FEB. 17 2012	1"=20'			L.1



PROJECT NAME:LAKESHORE MOD - ROCKWALL
SALESMAN ASSIGNED:BILL GALVIN
FILE NAME: Lakeshore MOD-Rockwall_Site_120308_v4.AGI

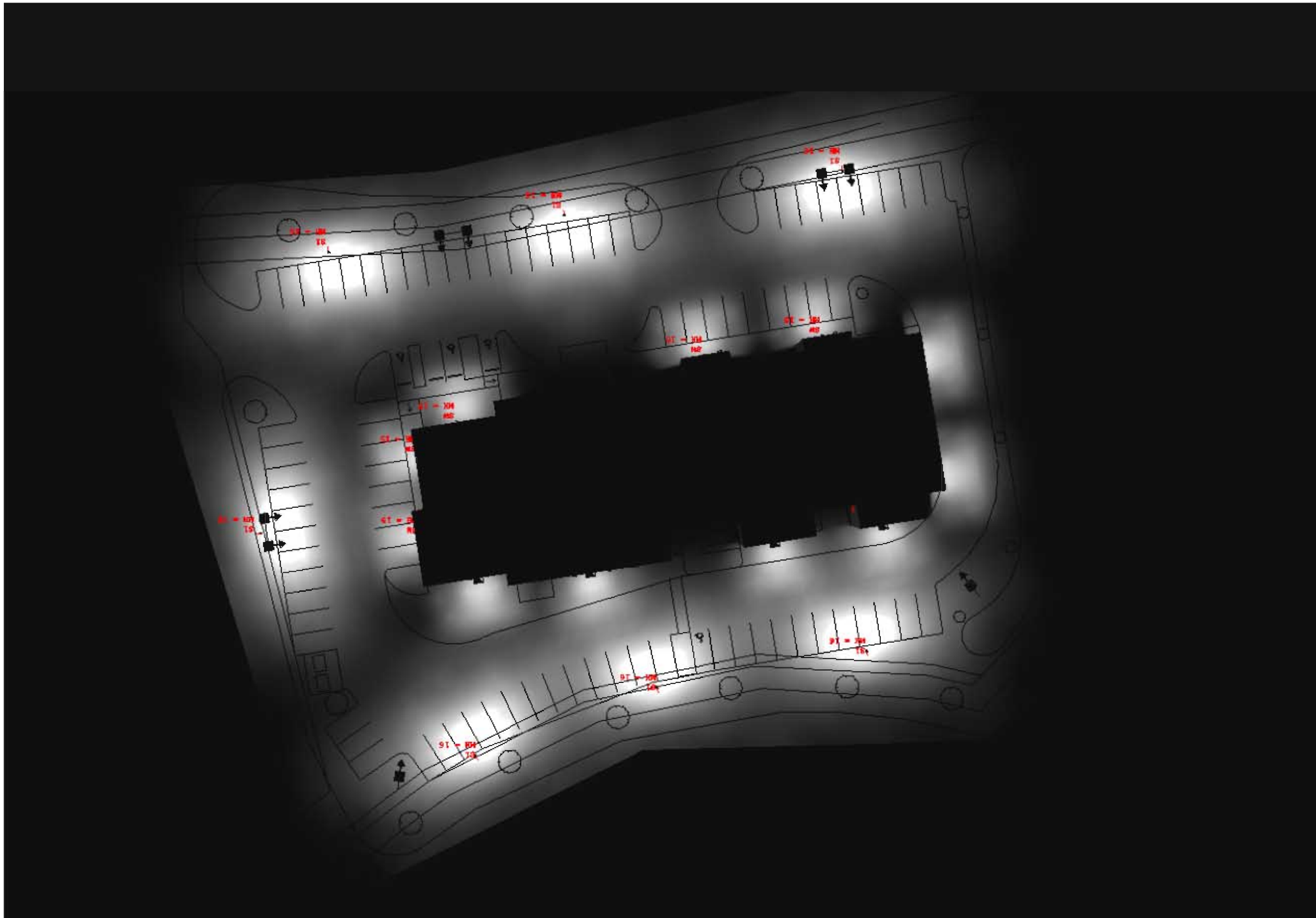
NOTES:
1. REFLECTANCES USED:GRADE 10%, ALL OTHER OBJECTS 50%
2. MOUNTING HEIGHTS:AS SHOWN
3. CALCULATION VALUES SHOWN AT GRADE.
4. IES DESCRIPTIONS DO NOT NECESSARILY REFLECT SPECIFICATION MODEL NUMBERS. CONTACT SALESPERSON FOR VERIFICATION.
5. OSRAM / SYLVANIA LAMP DATA USED UNLESS OTHERWISE NOTED

Architectural Lighting Associates
101 Turtle Creek Boulevard
Dallas, Texas 75207
Tel 214.658.9000
Fax 214.658.9002
www.ala-inc.net

SCALE:1" = 30'

Luminaire Schedule									
Symbol	Label	Qty	Arrangement	Total Lamp Lumens	Description	LLD	LDD	BF	LLF
	S1	7	SINGLE	22500	LUMEC DMS50-250PSMH-SG3-HS	0.760	0.900	1.000	0.684
	SW	11	SINGLE	6000	GARDCO 101-FT-70MH	0.700	0.900	1.000	0.630

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE GRADE_Planar	Illuminance	Fc	0.74	8.1	0.0	N.A.	N.A.
PARKING LOTS AND DRIVES	Illuminance	Fc	1.18	8.1	0.0	N.A.	N.A.

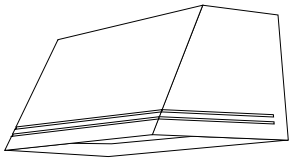


PHILIPS GARDCO

Notes: Job: Type:

100 LINE CosmoPolis™

101 PERFORMANCE SCONCE



GENERAL DESCRIPTION: The Gardco 101 Trapezoidal Wedge high performance sconce offers an excellent alternative to unsightly wall mounted fixtures. These architecturally refined luminaires are designed to integrate naturally to wall surfaces. The 101 luminaires are available with three (3) different distribution patterns - a wide throw, a medium throw and a forward throw. Each luminaire is designed to accept HID sources up to 175MH, and Compact Fluorescent up to (2) 42W. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

CUTOFF PERFORMANCE: 101 luminaires installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.

ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

101	Trapezoidal Wedge
101EM	Emergency Sconce
101EMC	Emergency Sconce Cold Temperature
101EMR	Remote Emergency Sconce

Refer to confiiguration chart below for available combinations.

DISTRIBUTION

FT	Forward Throw *Not Available with Fluorescent or LPS sources.*
WT	Wide Throw *Not Available with Fluorescent or LPS sources.*
MT	Medium Throw

WATTAGE AND VOLTAGE

LAMP / VOLTAGE CHART - 101

	Voltage					
*HID**	120	208	240	277	347	480
60CMPE		200 - 277				
50MH	●			●		
70MH	●	●	●	●	●	
100MH	●	●	●	●	●	●
150MH	●	●	●	●	●	
175MH**	●	●	●	●	●	●
50CMHE[1]	UNIV					
70CMHE[1]	UNIV					
100CMHE[1]	UNIV					
35HPS	●					
50HPS	●			●		
70HPS	●	●	●	●	●	●
100HPS	●	●	●	●	●	●
150HPS	●	●	●	●	●	
18LPS	●			●		
Fluorescent						
26QF[1]	UNIV				●	
226QF[1]	UNIV				●	
32TRF[1]	UNIV				●	
232TRF[1]	UNIV				●	
42TRF[1]	UNIV				●	
242TRF[1]	UNIV				●	

60CMPE

60 Watt CosmoPolis™ high performance electronic ceramic MH lamp and ballast system.

Avaialble in FT, WT and MT

Available 200V-277V only.

Combinations marked with a dot, shown with "UNIV" or "200-277" are available for ordering.

MH - Metal Halide
CMHE - Ceramic Metal Halide with Electronic Ballast
HPS - High Pressure Sodium
LPS - Low Pressure Sodium
TRF - Triple Tube Fluorescent
QF - Quad Fluorescent

** MH, CMHE and HPS types require medium based E17 lamps. All MH 150W and below are pulse start by design, including CMHE types.*

*** 175MH not available for sale in the United States.*

CONFIGURATION CHART - 101EM OR 101EMC[5]

	Distribution			Voltage					
Fluorescent	FT	WT	MT	120	208	240	277	347	480
226QF[2]			●	●			●		
32TRF			●	●			●		
42TRF			●	●			●		

CONFIGURATION CHART - 101EMR[5]

	Distribution			Voltage					
Fluorescent	FT	WT	MT	120	208	240	277	347	480
226QF[2,3,4]			●	●			●		
32TRF			●	●			●		
232TRF[2,3,4]			●	●			●		
42TRF			●	●			●		
242TRF[2,4]			●	●			●		

1. *Fluorescent and CMHE luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.*
2. *One (1) lamp is powered in emergency mode with EM, EMC and EMR types with the B84CG option.*
3. *Available with ICE420 option, which powers two (2) lamps in emergency mode. ICE420 option only available with 226QF or 232TRF. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.*
4. *Available with I162 option, which powers two (2) lamps in emergency mode. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.*
5. *Refer to "101 Emergency Sconce Table" on page 2 for additional information.*

FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
OC	Optional Color Paint *Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.*
SC	Special Color Paint *Specify. Must supply color chip.*

OPTIONS

F[6]	Fusing
PCB[7]	Button Type Photocontrol
QS[8]	Quartz Standby
QST[8]	Quartz Standby - Timed Delay
Q924[9]	Quartz Emergency
QT924[9]	Quartz Emergency - Timed Delay
Q12V[9]	Quartz 12V Emergency
Q20MR[10]	(2)MR16 12V Emergency - 20 Watt
Q35MR[10]	(2)MR16 12V Emergency - 35 Watt
SL	Solite® Diffusing Lens
UT	5° Uptilt
WLU[11]	Wet Location Door for Inverted Mount
WS[12]	Wall Mounted Box for Surface Conduit
WS/UT[12]	WS Option w/5° Uptilt
WG[13]	Wire Guard
POLY[13,14]	Polycarbonate Sag Lens

EMR Luminaires Only: [15]

B84CG	Bodine Remote Emergency Pack
ICE420[16]	IOTA Remote Emergency Pack *226QF / 232TRF only.*
I162[17]	IOTA Remote Emergency Pack *226QF / 232TRF / 242TRF only.*

6. *120V through 277V only*
7. *Not available with 480V.*
8. *HID only, Not available with CMHE Ballasts, FT Optics or in 480V. 100w Quartz maximum.*
9. *WT Optic only. 150w HID maximum, 100w Quartz maximum.*
10. *WT Optic only. 50CMHE or 70CMHE only. Supplied with two (2) 20W MR16 or two (2) 35W MR16 Flood (40° beam) lamps.*
11. *Not available with WG or POLY options.*
12. *Rear entry permitted.*
13. *Not Available with WLU option.*
14. *100 watt HID maximum. Polycarbonate lenses carry a 1 year warranty only.*
15. *All Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.*
16. *CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.*
17. *Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.*

Philips Gardco 1611 Clovis Barker Road San Marcos, TX 78666 (800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 www.sitelighting.com

PHILIPS GARDCO

100 LINE

CosmoPolis™

101 PERFORMANCE SCONCE

SPECIFICATIONS

GENERAL: Each Gardco 101 luminaire is a wall mounted cutoff luminaire for high intensity discharge or compact fluorescent lamps. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. The housing, back plate and door frame are die cast aluminum. A choice of three (3) optical systems is available. Luminaires are suitable for wet locations (damp locations if inverted).

HOUSING: Housings are die cast aluminum. A memory retentive gasket seals the housing to the door frame to exclude moisture, dust, insects and pollutants from the optical system. A black, die cast ribbed backplate dissipates heat for longer lamp and ballast life.

DOOR FRAME: A single-piece die cast aluminum door frame integrates to the housing form. The door frame is hinged closed and secured to the housing with two (2) captive stainless steel fasteners. The heat and impact resistant 1/8 (.32cm) tempered glass lens and one-piece gasket are mechanically secured to the door frame with four (4) galvanized steel retainers.

OPTICAL SYSTEMS: Reflectors are composed of specular extruded and faceted components, electropolished, anodized and sealed. Reflector segments are set in arc tube image duplicating patterns to achieve the wide throw, forward throw or medium throw downlight distributions.

ELECTRICAL:

STANDARD LUMINAIRES: Each high power factor HID core and coil ballast is the separate component type. For luminaires provided with CosmoPolis™, each high power factor ballast is electronic, designed specifically for the CosmoPolis™ high performance ceramic metal halide electronic sytem. All HID ballasts are capable of providing reliable lamp starting down to -20°F/-29°C. Standard fluorescent units have a starting temperature of 0°F/-18°C. Standard fluorescent ballasts are high power factor electronic solid state. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

LUMINAIRES with Q924 / G12V /QMR20 / QMR35 OPTIONS: Luminaires with the Q924 option require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR or Q35MR options require a separate source of 12V power (by others.)

EMERGENCY LUMINAIRES: All emergency luminaires feature an indicator light visible through the lens and a test switch accessible through the door assembly. Minimum battery pack ambient temperatures are as indicated in the 101 Emergency Sconce Table. In the event of a power interruption, emergency luminaires will power compact fluorescent lamps as indicated in the 101 Emergency Sconce Table at reduced light levels for a minimum of 90 minutes.

EMR LUMINAIRES include a 7.5'/2.29m, 12 wire, quick disconnect assembly for wiring through conduit (by others) to a B84CG, I162 or ICE420 fluorescent emergency battery pack. *The fluorescent emergency battery pack MUST be supplied by Gardco. The B84CG option, the I162 option or the ICE420 option required on the order to the factory.* **CAUTION:** *Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.*

101 Emergency Sconce Table[18]

101 Emergency Luminaire	Battery Pack Min. Ambient Temperature	Lamps Powered in Emergency Mode
101EM (Integral)	32°F / 0°C	(1) 26, (1) 32, or (1) 42 Watt Compact Fluorescent Lamp
101EMC (Integral)	-4°F / -20°C	
101EMR (Remote) with B84CG Option	32° F/ 0°C	
101EMR (Remote) with I162 Option[19]	32° F/ 0°C	(2) 26, (2) 32 or (2) 42 Watt Compact Fluorescent Lamps
101EMR (Remote) with ICE420 Option[20]	0°F / -18°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps

Notes:
18. See *Gardco Emergency Light Output Information* (79115-155) for emergency lumen output data.
19. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.
20 CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

LAMPHOLDER: Pulse rated medium base sockets are glazed porcelain with nickel plated screw shell. Fluorescent sockets are high temperature (PBT) with brass contacts.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors are as listed. Consult factory for specs on custom colors.

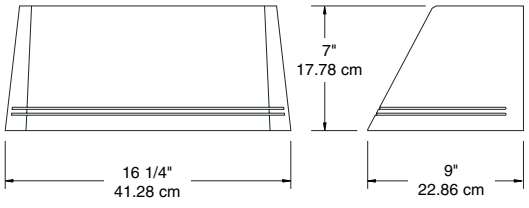
LABELS: All luminaires bear UL or CUL (where applicable) labels, except as noted. Lens down application is Wet Location and lens up is Damp Location. Emergency luminaires do not bear CUL label.

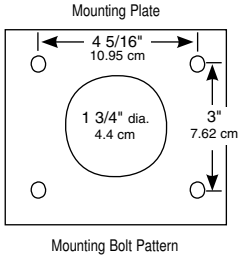
WARRANTY: Gardco luminaires feature a 5 year limited warranty. See Warranty Information on www.sitelighting.com for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle of 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

DIMENSIONS



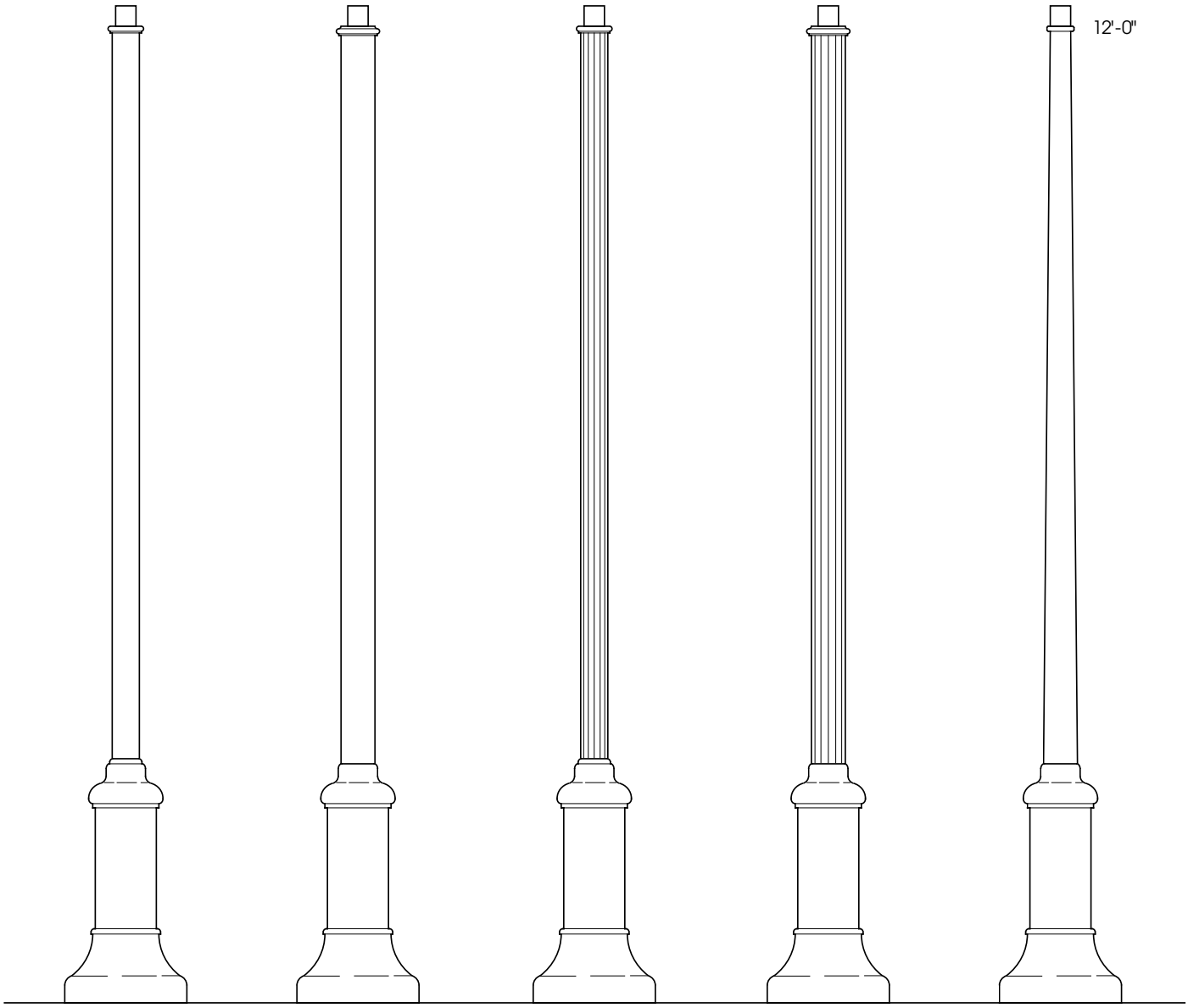


Note: Mounting plate center is located in the center of the luminaire width and 3.5"(8.89cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.

Philips Gardco 1611 Clovis Barker Road San Marcos, TX 78666 (800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 www.sitelighting.com

Cast Aluminum Posts
extruded shafts

RUBY HILLS Series
18" dia. base



PX RH18 12 S4 *finish*
4" dia. smooth shaft
8', 10', 12', 14'

PX RH18 12 S5 *finish*
5" dia. smooth shaft
10', 12', 14', 16'

PX RH18 12 F4 *finish*
4" dia. fluted shaft
8', 10', 12', 14'

PX RH18 12 F5 *finish*
5" dia. fluted shaft
10', 12', 14', 16'

PX RH18 12 T5 *finish*
5"- 3" dia. tapered shaft
10', 12', 14', 16'

SPECIFICATIONS

DESCRIPTION The lighting post shall be all aluminum, one-piece construction, with a classic base design. The shaft shall be _____.*(insert shaft options from back page)* The post shall be Antique Street Lamps' catalog number PX RH18 *XX XX finish*.

MATERIALS The base shall be heavy wall, copper free, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot-dip galvanized.

CONSTRUCTION The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be circumferentially welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All exposed welds below 8' shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The post shall be *X*'- *XX*" in height with an 18" diameter base. The shaft diameter shall be *XX*". *(see back page)* At the top of the post, an integral 3" O.D. x 3" tenon with a transitional donut shall be provided for luminaire mounting.

INSTALLATION The post shall be provided with four, hot-dip galvanized L-type anchor bolts to be installed on an 11" diameter bolt circle. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

For finish specifications and color options, see **"Finish"** section in catalog.

ANTIQUE Street Lamps
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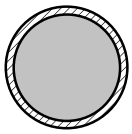
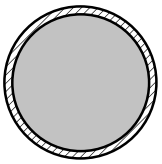
RUBY HILLS Series
Cast Aluminum Posts

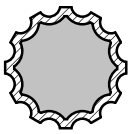
SHAFT TYPES



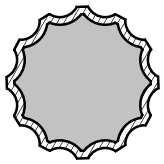
S4
4"Ø smooth



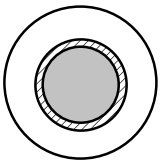
S5
5"Ø smooth



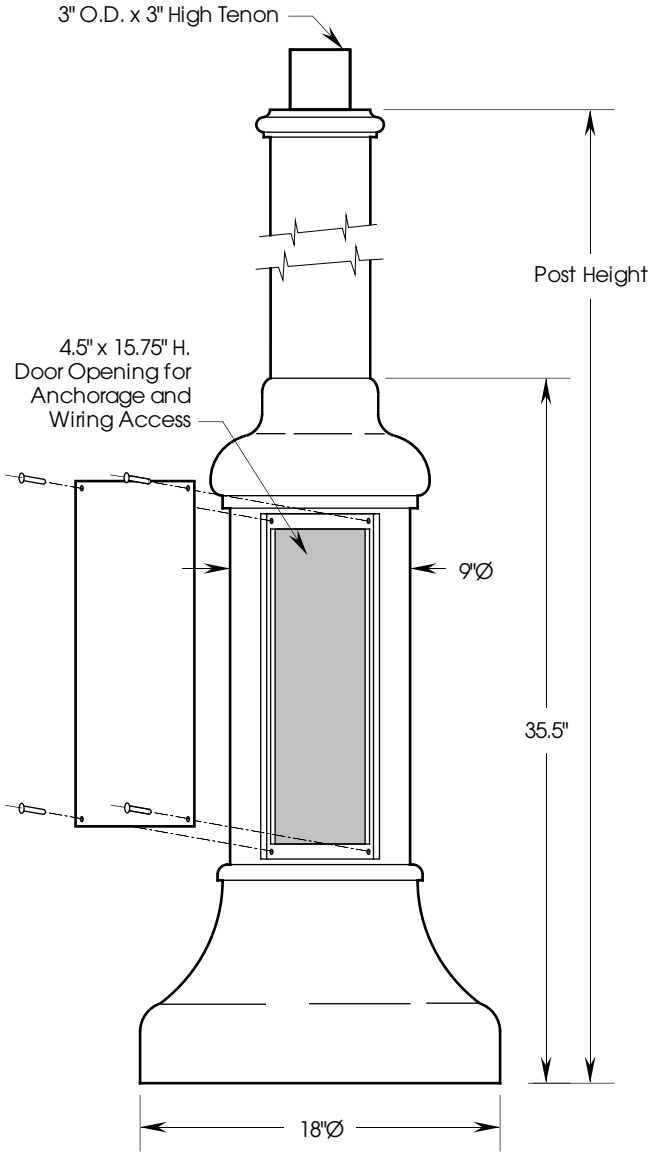
F4
4"Ø fluted



F5
5"Ø fluted



T5
5"-3"Ø tapered



ORDERING INFORMATION

Choose the **boldface** catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: **PX RH18 12 S5 ANBK Options**

Post Series

PX RH18
Post, Cast Aluminum, Extruded Shaft
RUBY HILLS 18" base

Height

8
10
12
14
16[2]

Finish[1]

ANBK Black
ANDB Dark Bronze
ANDG Dark Green
ANVG Verde Green
ANPP Prime Painted
CM Custom Match
CS Custom Select RAL colors

Shaft Type

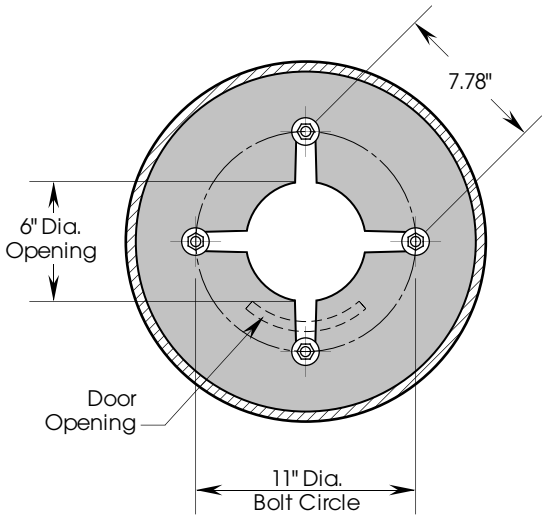
S4 Smooth 4"Ø
S5 Smooth 5"Ø
F4 Fluted 4"Ø
F5 Fluted 5"Ø
T5 Tapered 5"-3"Ø

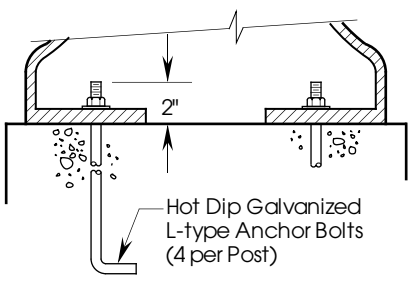
Options

_____ Receptacles
_____ Banner Arms
_____ Flagpole Holders
_____ Custom Logos
_____ Signage
(see Signage & Accessories section in the catalog or contact Antique Street Lamps)

NOTES:
1. *For finish specifications and color options, see **Finish** section in catalog or contact Antique Steet Lamps.*
2. *16' height not available for **S4**, **F4**, or **T4** (any 4"Ø) Shaft Type.*

ANCHORAGE GUIDE





ANTIQUE Street Lamps
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NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

FULL CUTOFF

ES22ST GCF

CUTOFF

ES22ST GCSG

SPECIFICATIONS

CONSTRUCTION

The luminaire consists of a cast aluminum ballast housing and spun aluminum reflector housing, seal-welded together for a one-piece unit. The lens choices are flat glass, sag glass, acrylic half sphere, or acrylic drop globe. All hardware is stainless steel.

INSTALLATION

The top of the luminaire mounts to a Eurotique arm plumbizer. The 4" diameter arm is recommended. The globe is gasketed and mounted on an aluminum ring which is hinged to the reflector housing and furnished with a captive screw for easy relamping. The reflector shall pivot and be secured with a captive screw for easy access to the ballast assembly. The ballast and socket assembly is furnished with a quick-disconnect plug and mounts on a removable ballast plate.

OPTICS

The luminaire utilizes an internal, anodized and segmented reflector with socket for horizontal lamp. Reflectors are available in four different distributions and are interchangeable. Luminaire is furnished with an H.I.D. ballast assembly. The luminaire is UL and CUL listed and labeled as suitable for wet locations. Sockets are glazed porcelain, medium base, with a copper alloy nickel-plated screw shell and center contact. Ballasts are core and coil, high power factor, regulating type.

FINISH

The luminaire has a powder coat finish utilizing a premium TGIC polyester powder. The finish is a three-stage process which consists of drying, powder application and curing. Before coating, the parts are treated with a five-stage pretreatment process, consisting of a heated alkaline cleaner, rinse, phosphate coating, rinse and sealant.

EUROTIQUE®
Architectural Lighting
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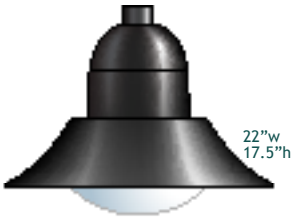
www.antiquestreetlamps.com
Acuity Lighting Group, Inc.

ES22 WITH LENS CHOICE

ES22ST GCF

FULL CUTOFF

NIGHTTIME FRIENDLY™
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

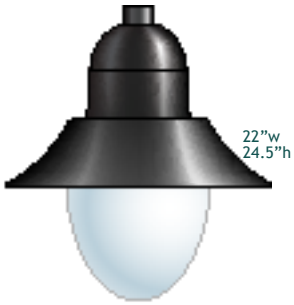


ES22ST GCSG

CUTOFF

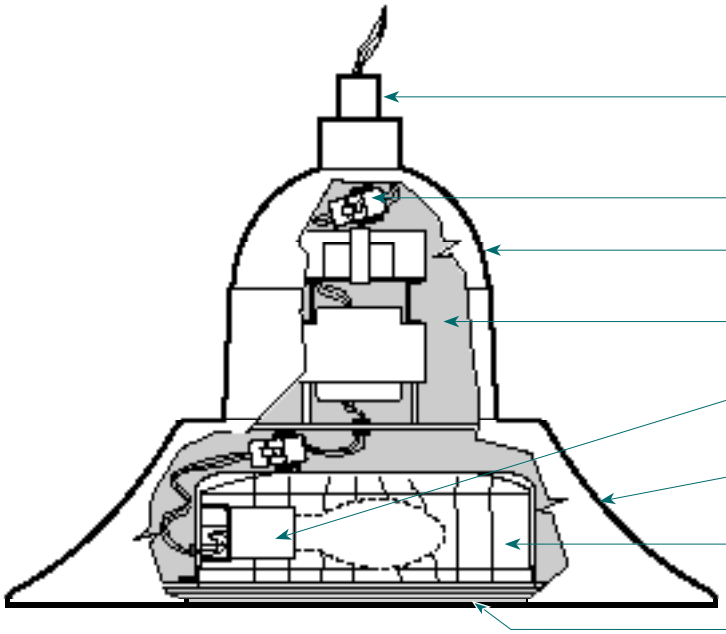
ES22ST ACHS

CUTOFF



ES22ST ACD

CUTOFF



ARM MOUNT
Cast aluminum for connection to arm

QUICK-DISCONNECT PLUGS

BALLAST HOUSING
Cast aluminum

BALLAST ASSEMBLY
Mounted on removable aluminum plate

PORCELAIN SOCKET
Medium base

REFLECTOR HOUSING SKIRT
Spun Aluminum

FULL CUTOFF REFLECTOR
Anodized and segmented

FLAT OR SAG GLASS LENS
ACRYLIC HALF SPHERE OR DROP GLOBE
Mounted on hinged aluminum ring with captive screw

Note: Lamp is not furnished with the luminaire.

ORDERING GUIDE

Sample Catalog no: **ES22ST 150M MED GCF SR2 TB1 SF ANBK**

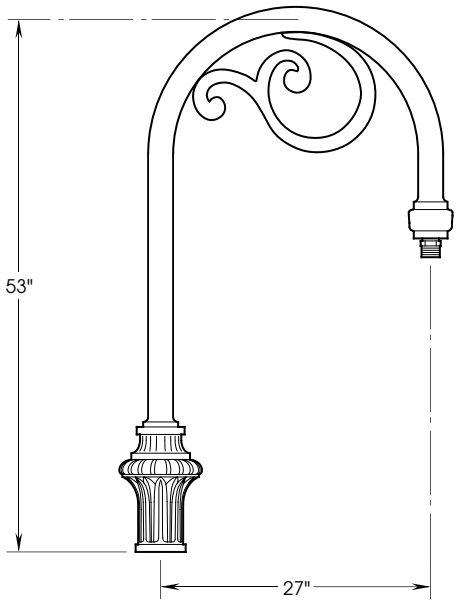
Series	Wattage/Lamp	Lens Material	Distribution	Voltage[1]	Options	Finish[3]
ES22ST	*Metal Halide* **50M MED** **70M MED** **100M MED** **150M MED** *High Pressure Sodium* **35S MED** **50S MED** **70S MED** **100S MED** **150S MED**	**GCF** Glass, Clear Flat **GCSG** Glass, Clear Sag **ACHS** Acrylic, Clear Half Sphere **ACD** Acrylic, Clear Drop Globe	**SR2** IES Distribution **SR3** IES Distribution **SR4SC** IES Distribution **SR5S** IES Distribution	**TB1** 120 volt **TB2** 208 volt **TB3** 240 volt **TB4** 277 volt **347** 347 volt	**HS**[2] House Side Shield **SF** Single Fusing **DF** Double Fusing	**ANBK** Black **ANDB** Dark Bronze **ANDG** Dark Green **ANPP** Prime Painted **CM** Custom Match **CS** Custom Select RAL colors

NOTES:
1. Multi-tap Ballast (120, 208, 240, 277v), (120, 277, 347v in Canada). For wattages under 70S or 70M contact ASL for voltage availability.
2. HS, house side shield is not available with distribution option SR5S or SR4SC.
3. For finish and color options, see Finish section in catalog or contact ASL.

ANTIQUE Street Lamps™
An AcuityBrands Company

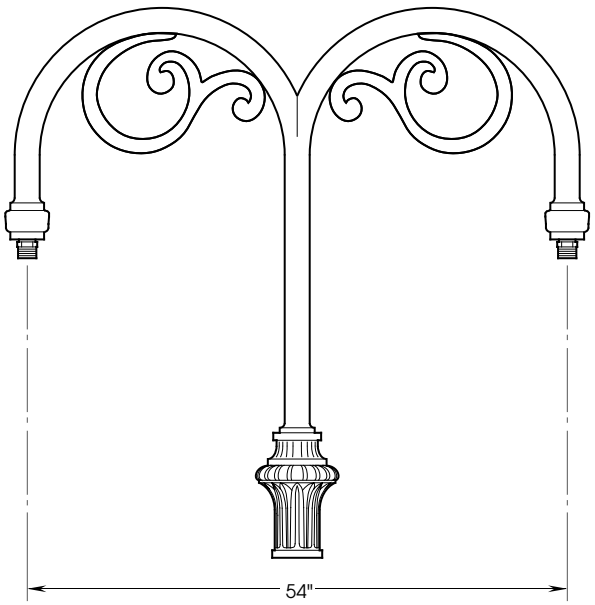
CVC Series
Aluminum Roadway Arms

orientation



CVC27/1
(one-way arm)

orientation



CVC54/2
(two at 180°)

ALSO AVAILABLE

orientation

CVWB
(one-way wall mount)

SPECIFICATIONS

CONSTRUCTION

The roadway arms shall be all aluminum, one-piece construction. The arms shall consist of a decorative post mounting piece, a bent tube arm, a decorative scroll, and an end piece for luminaire mounting. The wall bracket shall have a flat aluminum wall plate for mounting. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

MATERIALS

The post mounting piece, decorative scroll, and luminaire mounting piece shall be heavy wall, copper free, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B179-95a or ASTM B26-95. The bent tube arm, and wall bracket back plate shall be aluminum, ASTM 6061 alloy, heat treated to a T6 temper. All hardware shall be stainless steel.

INSTALLATION

The arms shall slip-fit a 3" O.D. x 12" post top tenon and attach with socket set screws. Arms shall have a 1.5" male NPT fitting for luminaire mounting. A plumbing device shall be included for luminaire leveling. The wall bracket shall have four clear holes for mounting to the wall. (Bracket mounting hardware furnished by others.)

For finish specifications and color options, see **"Finish"** section in catalog.

ORDERING INFORMATION

Choose the **boldface** catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: **CVC27/1 ANBK**

Series		Finish[1]	
CVWB	one	**ANBK**	Black
CVC27/1	one	**ANDB**	Dark Bronze
CVC54/2	two	**ANDG**	Dark Green
# of Luminaires required		**ANVG**	Verde Green
		ANPP	Prime Painted
		CM	Custom Match
		CS	Custom Select RAL colors

NOTES: 1. For finish specifications and color options, see "Finish" section in catalog.

GENERAC® | INDUSTRIAL

SD130

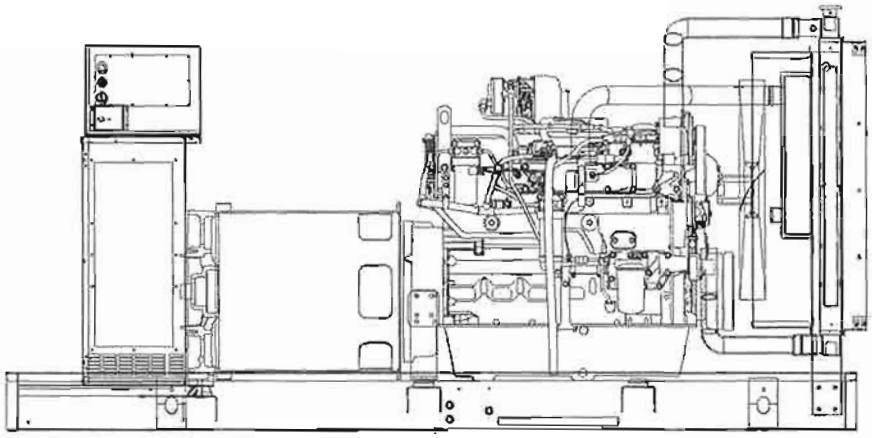
Industrial Diesel Generator Set

EPA Certified Stationary Emergency

130 kW Diesel

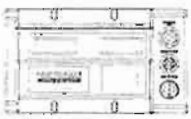
Standby Power Rating
163kVA 130kW 60Hz

Prime Power Rating*
146kVA 117KW 60Hz



Generator image used for illustration purposes only

*EPA Certified Prime ratings are not available in the U.S. or its Territories for engine model year 2011 and beyond



features benefits

Generator Set	
• PROTOTYPE & TORSIONALLY TESTED	› PROVIDES A PROVEN UNIT
• UL2200 TESTED	› ENSURES A QUALITY PRODUCT
• RHINOCOAT PAINT SYSTEM	› IMPROVES RESISTANCE TO ELEMENTS
• WIDE RANGE OF ENCLOSURES AND TANKS	› PROVIDES A SINGLE SOURCE SOLUTION
Engine	
• EPA COMPLIANT	› ENVIRONMENTALLY FRIENDLY
• INDUSTRIAL TESTED, GENERAC APPROVED	› ENSURES INDUSTRIAL STANDARDS
• POWER-MATCHED OUTPUT	› ENGINEERED FOR PERFORMANCE
• INDUSTRIAL GRADE	› IMPROVES LONGEVITY AND RELIABILITY
Alternator	
• TWO-THIRDS PITCH	› ELIMINATES HARMFUL 3RD HARMONIC
• LAYER WOUND ROTOR & STATOR	› IMPROVES COOLING
• CLASS H MATERIALS	› HEAT TOLERANT DESIGN
• DIGITAL 3-PHASE VOLTAGE CONTROL	› FAST AND ACCURATE RESPONSE
Controls	
• ENCAPSULATED BOARD W/ SEALED HARNESS	› EASY, AFFORDABLE REPLACEMENT
• 4-20mA VOLTAGE-TO-CURRENT SENSORS	› NOISE RESISTANT 24/7 MONITORING
• SURFACE-MOUNT TECHNOLOGY	› PROVIDES VIBRATION RESISTANCE
• ADVANCED DIAGNOSTICS & COMMUNICATIONS	› HARDENED RELIABILITY

primary codes and standards

NEMA

GENERAC | INDUSTRIAL POWER

SD130

application and engineering data

ENGINE SPECIFICATIONS

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	6
Type	In-Line
Displacement - L (cu. in.)	6.7
Bore - mm (in.)	104 (4.09)
Stroke - mm (in.)	128 (5.2)
Compression Ratio	16.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head Type	2- Valve
Piston Type	Alloy Aluminum

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	± 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-Flow Cartridge
Crankcase Capacity - L (qts)	17 (18)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Flow	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed (rpm)	2538 rpm
Fan Diameter mm (in.)	599 (23.6)
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120VAC

Fuel System

Fuel Type*	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	12.7(½")
Fuel Return Line - mm (in.)	12.7(½")

Engine Electrical System

System Voltage	12VDC
Battery Charging Alternator	Std
Battery Size (at 0°C)	995 CCA
Battery Group	31
Battery Voltage	(1) 12VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	390 mm Generac
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 3%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Synchronous Brushless
Bearings	Single Sealed Cartridge
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	± 0.25%

CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99	BS5514
NFPA 110	SAE J1349
ISO 8528-5	DIN6271
ISO 1708A.5	IEEE C62.41 TESTING
ISO 3046	NEMA ICS 1

Rating Definitions:
Standby – Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%)
Prime – Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of every 12 hours.

SD130

operating data (60Hz)

POWER RATINGS (kW)

	STANDBY		PRIME	
Single-Phase 120/240VAC @1 0pf	125 kW	Amps: 521	113 kW	Amps: 469
Three-Phase 120/208VAC @0 8pf	130 kW	Amps: 451	117 kW	Amps: 406
Three-Phase 120/240VAC @0.8pf	130 kW	Amps: 391	117 kW	Amps: 352
Three-Phase 277/480VAC @0.8pf	130 kW	Amps: 195	117 kW	Amps: 176
Three-Phase 346/600VAC @0 8pf	130 kW	Amps 156	117 kW	Amps: 141

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

		480VAC						208/240VAC					
Alternator	kW	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	130	116	174	232	290	348	406	87	131	174	218	261	305
Upsize 1		-	-	-	-	-	-	-	-	-	-	-	-
Upsize 2		-	-	-	-	-	-	-	-	-	-	-	-

FUEL

Fuel Pump Lift - in (mm)
36 (900)

Total Fuel Requirement Capacity - gph
29.1

Fuel Consumption Rates*

	STANDBY			PRIME	
Percent Load	gph	lph	Percent Load	gph	lph
25%	2.9	11.0	25%	2.6	9.8
50%	5.4	20.4	50%	4.8	18.2
75%	7.7	29.1	75%	6.9	26.1
100%	9.6	36.3	100%	8.6	32.6

* Refer to "Emissions Data Sheet" for maximum fuel flow for EPA and SCAQMD permitting purposes

COOLING

		STANDBY	PRIME
Coolant Flow per Minute	gpm (lpm)	44.6 (168.8)	44.6 (168.8)
Heat Rejection to Coolant	BTU/hr	353,900	317,060
Inlet Air	cfm (m3/min)	7,900 (223.7)	7,900 (223.7)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)	122 (50)
Max. Operating Ambient Temperature	F° (C°)	104 (40)	104 (40)
Coolant System Capacity	gal (L)	12.2 (46.2)	12.2 (46 2)
Maximum Radiator Backpressure	in H_2O	1.5	1.5

COMBUSTION AIR REQUIREMENTS

		STANDBY	PRIME
Flow at Rated Power	cfm (m3/min)	390 (11.05)	351 (9.94)

ENGINE

		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW**	hp	198	178
Piston Speed	ft/min	1559	1559
BMEP	psi	213	192

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes

EXHAUST

		STANDBY	PRIME
Exhaust Flow (Rated Output)	cfm (m³/min)	910 (25.8)	819 (23.2)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	960 (516)	864 (462)
Exhaust Outlet Size (Open Set)	NPT (male)	101.6 (4)	101.6 (4)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

GENERAC | INDUSTRIAL

SD130

standard features and options

GENERATOR SET

●	Genset Vibration Isolation	Std
○	IBC Seismic Certified/Seismic Rated Vibration Isolators	Opt
○	Extended warranty	Opt
○	Gen-Link Communications Software	Opt
○	Steel Enclosure	Opt
○	Aluminum Enclosure	Opt

ENGINE SYSTEM

General

●	Oil Drain Extension	Std
○	Oil Make-Up System	Opt
○	Oil Heater	Opt
●	Air cleaner	Std
●	Fan guard	Std
●	Radiator duct adapter	Std

Fuel System

●	Fuel lockoff solenoid	Std
●	Secondary fuel filter	Std
●	Stainless steel flexible exhaust connection	Std
●	Industrial Exhaust Silencer	Std
○	Critical Exhaust Silencer	Opt
○	Flexible fuel lines	Opt
○	Primary fuel filter	Opt
○	Single Wall Tank (Export Only)	-
○	UL 142 Fuel Tank	Opt

Cooling System

○	120VAC Coolant Heater	Opt
○	208VAC Coolant Heater	Opt
○	240VAC Coolant Heater	Opt
○	Other Coolant Heater _____	-
●	Closed Coolant Recovery System	Std
●	UV/Ozone resistant hoses	Std
●	Factory-Installed Radiator	Std
●	Radiator Drain Extension	Std

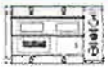
Engine Electrical System

●	Battery charging alternator	Std
●	Battery cables	Std
●	Battery tray	Std
○	Battery box	Opt
○	Battery heater	Opt
●	Solenoid activated starter motor	Std
○	2.5A UL battery charger	Opt
○	10A UL float/equalize battery charger	Opt
●	Rubber-booted engine electrical connections	Std

ALTERNATOR SYSTEM

●	UL2200 GENprotectTM	Std
○	Main Line Circuit Breaker	Opt
○	2nd Circuit Breaker	Opt
○	3rd Circuit Breaker	-
○	Alternator Upsizing	Opt
○	Anti-Condensation Heater	Opt
○	Tropical coating	Opt
○	Permanent Magnet Generator	Opt

CONTROL SYSTEM



Control Panel

●	Digital H Control Panel - Dual 4x20 Display	Std
○	Digital G-100 Control Panel - Touchscreen	na
○	Digital G-200 Paralleling Control Panel - Touchscreen	na
●	Programmable Crank Limiter	Std
○	21-Light Remote Annunciator	Opt
○	Remote Relay Panel (8 or 16)	Opt
●	7-Day Programmable Exerciser	Std
●	Special Applications Programmable PLC	Std
●	RS-232	Std
●	RS-485	Std
●	All-Phase Sensing DVR	Std
●	Full System Status	Std
●	Utility Monitoring (Req. H-Transfer Switch)	Std
●	2-Wire Start Compatible	Std
●	Power Output (kW)	Std
●	Power Factor	Std
●	Reactive Power	Std
●	All phase AC Voltage	Std
●	All phase Currents	Std
●	Oil Pressure	Std
●	Coolant Temperature	Std
●	Coolant Level	Std
○	Oil Temperature	Opt
●	Fuel Pressure	Std
●	Engine Speed	Std
●	Battery Voltage	Std
●	Frequency	Std
●	Date/Time Fault History (Event Log)	Std
○	Low-Speed Exercise	-
●	Isochronous Governor Control	Std
●	-40deg C - 70deg C Operation	Std
●	Waterproof Plug-In Connectors	Std
●	Audible Alarms and Shutdowns	Std
●	Not in Auto (Flashing Light)	Std
●	Auto/Off/Manual Switch	Std
●	E-Stop (Red Mushroom-Type)	Std
○	Remote E-Stop (Break Glass-Type, Surface Mount)	Opt
○	Remote E-Stop (Red Mushroom-Type, Surface Mount)	Opt
○	Remote E-Stop (Red Mushroom-Type, Flush Mount)	Opt
●	NFPA 110 Level 1 and II (Programmable)	Std
●	Remote Communication - RS232	Std
○	Remote Communication - Modem	Opt
○	Remote Communication - Ethernet	Opt
○	10A Run Relay	Opt

Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)

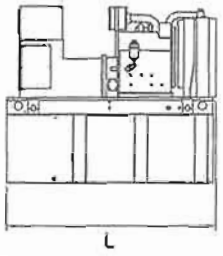
○	Low Fuel	Opt
●	Oil Pressure (Pre-programmed Low Pressure Shutdown)	Std
●	Coolant Temperature (Pre-programmed High Temp Shutdown)	Std
●	Coolant Level (Pre-programmed Low Level Shutdown)	Std
○	Oil Temperature	Opt
●	Engine Speed (Pre-programmed Overspeed Shutdown)	Std
●	Voltage (Pre-programmed Overvoltage Shutdown)	Std
●	Battery Voltage	Std

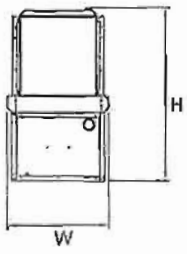
Other Options

○	_____
○	_____
○	_____

SD130

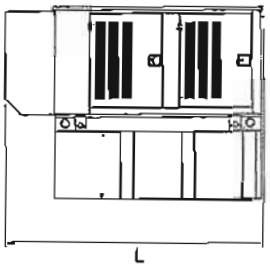
dimensions, weights and sound levels

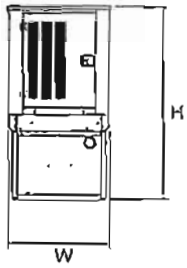




OPEN SET

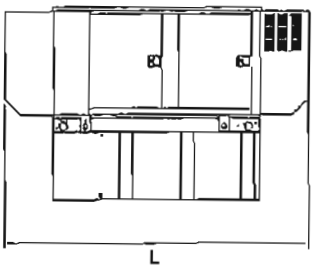
RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	110	40	65	3104	87
9	90	110	40	77	3813	
23	220	110	40	89	4146	
36	350	110	40	101	4468	
53	510	117	47	105	4489	
61	589	128	49	107	4948	
72	693	136	53	107	4867	

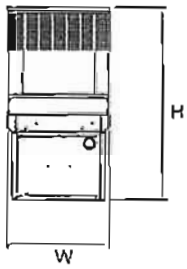




WEATHERPROOF ENCLOSURE

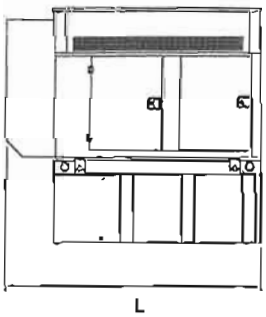
RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	133	40	64	3954	84
9	90	133	40	77	4663	
23	220	133	40	89	4996	
36	350	133	40	101	5338	
53	510	133	47	105	5339	
61	589	133	49	107	5798	
72	693	136	53	107	5717	

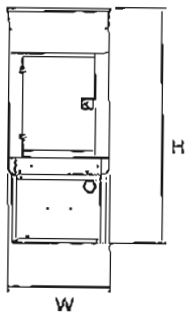




LEVEL 1 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	154	40	64	4354	81
9	90	154	40	77	5053	
23	220	154	40	89	5396	
36	350	154	40	101	5738	
53	510	154	47	105	5739	
61	589	154	49	107	6198	
72	693	154	53	107	6117	





LEVEL 2 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	145	40	81	4232	77
9	90	145	40	94	4941	
23	220	145	40	106	5274	
36	350	145	40	118	5616	
53	510	145	47	122	5617	
61	589	145	49	124	6076	
72	693	145	53	124	5995	

*All measurements are approximate and for estimation purposes only. Weights are without fuel in tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.

Tank Options

○	MDEQ	OPT
○	Florida DERM/DEP	OPT
○	Chicago Fire Code	OPT
○	IFC Certification	CALL
○	ULC	CALL

Other Custom Options Available from your Generac Industrial Power Dealer

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Decibel (Loudness) Comparison Chart

Here are some interesting numbers, collected from a variety of sources, that help one to understand the volume levels of various sources and how they can affect our hearing.

Environmental Noise	
Weakest sound heard	0dB
Whisper Quiet Library at 6'	30dB
Normal conversation at 3'	60-65dB
Telephone dial tone	80dB
City Traffic (inside car)	85dB
Train whistle at 500', Truck Traffic	90dB
Jackhammer at 50'	95dB
Subway train at 200'	95dB
Level at which sustained exposure may result in hearing loss	*90 - 95dB*
Hand Drill	98dB
Power mower at 3'	107dB
Snowmobile, Motorcycle	100dB
Power saw at 3'	110dB
Sandblasting, Loud Rock Concert	115dB
Pain begins	*125dB*
Pneumatic riveter at 4'	125dB
Even short term exposure can cause permanent damage - Loudest recommended exposure WITH hearing protection	*140dB*
Jet engine at 100'	140dB
12 Gauge Shotgun Blast	165dB
Death of hearing tissue	180dB
Loudest sound possible	194dB