

**PAVEMENT LEGEND**

	<b>DUMPSTER PAD PAVEMENT</b> PROPOSED 7" 4,000 PSI CONC. @ 28 DAYS WITH #3 BARS @ 18" O.C.E.W.
	<b>HEAVY DUTY PAVEMENT</b> PROPOSED 6" 3,600 PSI CONC. @ 28 DAYS WITH #3 BARS @ 18" O.C.E.W.
	<b>LIGHT DUTY PAVEMENT</b> PROPOSED 5" 3,600 PSI CONC. @ 28 DAYS WITH #3 BARS @ 18" O.C.E.W.
	<b>SIDEWALK PAVEMENT</b> PROPOSED 4" 3,600 PSI CONC. @ 28 DAYS WITH #3 BARS @ 18" O.C.E.W.

**PAVEMENT NOTES:**

- ALL PAVEMENT SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 6" AND COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY AT OR ABOVE OPTIMUM MOISTURE.
- THE CONTRACTOR SHALL DOWEL & EPOXY #4 X 24" SMOOTH BARS @ 24" CENTERS ALONG ALL PROPOSED TO EXISTING CONCRETE EDGES W/ 3/4" EXPANSION JOINT & SELF LEVELING JOINT SEALING COMPOUND.
- THE CONTRACTOR SHALL PROVIDE A 1/2" EXPANSION JOINT W/ SELF LEVELING JOINT SEALING COMPOUND BETWEEN THE PROPOSED CONCRETE PAVEMENT AND THE PROPOSED BUILDING.

**DESIGN POINTS**

PT	NORTHING	EASTING	PT	NORTHING	EASTING
A	7016331.2533	2596172.0659	1	7016308.6815	2596280.3481
B	7016684.1861	2596629.7677	2	7016576.3053	2596553.0975
C	7016420.4797	2596924.6757	3	7016509.9360	2596734.6073
D	7015997.7732	2596516.1756	4	7016239.1356	2596602.3862

**SITE DATA TABLE**

PHYSICAL ADDRESS: XXXX E. RALPH HALL PARKWAY  
 GROSS SITE AREA: 5.77 ACRES / 251,484 SF

ZONING: PD 54 W/ GENERAL RETAIL USES  
 CURRENT USE: VACANT

LOT COVERAGE DATA

- BUILDING COVERAGE: 23% / 57,708 SF
- IMPERVIOUS AREA: 55% / 137,074 SF
- PERVIOUS AREA: 45% / 114,410 SF

PARKING SUMMARY: 74 BEDROOMS @ 1 SPC/BDRM

- REQUIRED: 74 SPACES
- PROVIDED: 76 SPACES
- HANDICAP PARKING REQUIRED: 4
- HANDICAP PARKING PROVIDED: 10

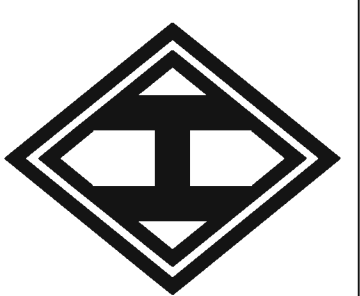
BUILDING DATA

- BUILDING: 1 STORY
- PEAK HEIGHT: 35.0 FT
- MEAN HEIGHT: 22.8 FT
- TOTAL SQUARE FOOTAGE: 57,708 SF
- CONGREGATE CARE W/ 79 BEDS

**PRELIMINARY PLANS**

THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.  
 STEVEN R. HOMEYER, PE # 86942  
 DATE: 08/07/2012

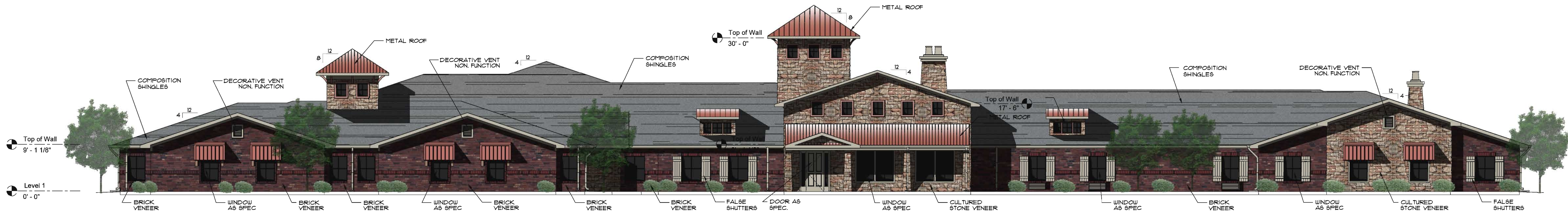
**HOMEYER ENGINEERING, INC.**  
 ENGINEERING NO. F-B440  
 TBPE FIRM REGISTRATION NO. F-B440  
 P.O. BOX 294527 • LEWISVILLE, TEXAS • 75029  
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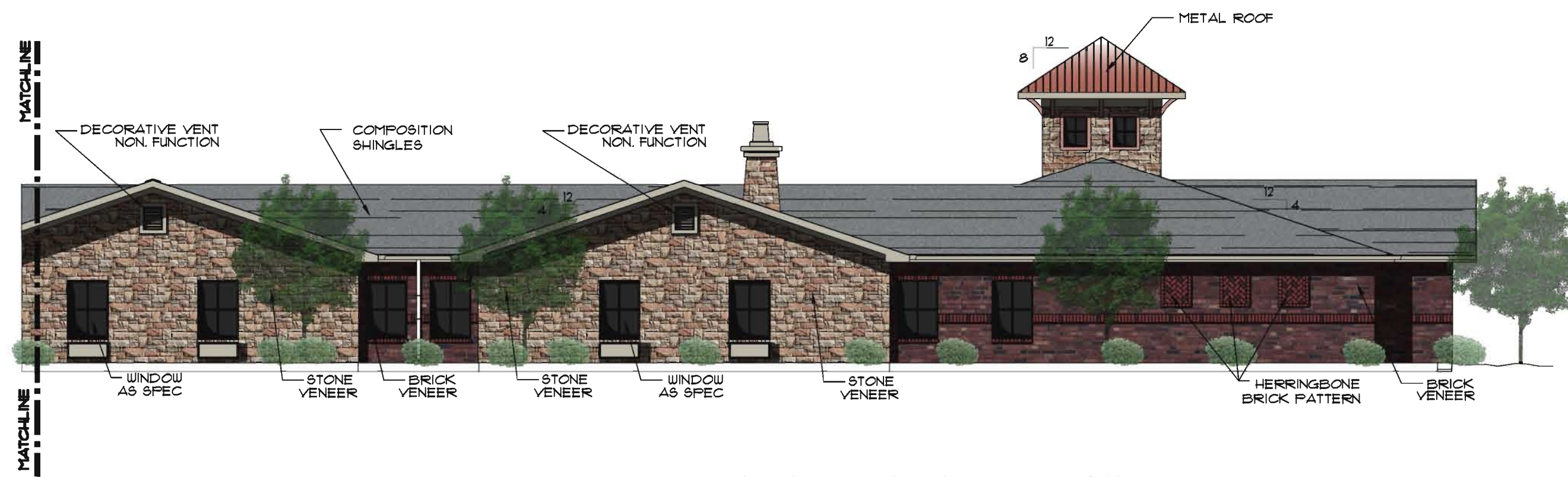
SIGNATURE SENIOR LIVING  
 ASSISTED LIVING AND MEMORY CARE  
 LOT 1, BLOCK A, FLAGSTONE CORNERS  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

SITE PLAN

DRAWN: SRH  
 DATE: 08/15/12  
 HEI #: 12-112  
 SHEET NO:  
 SP1



1 BUILDING EXTERIOR ELEVATIONS  
SCALE 3/32" = 1'-0"



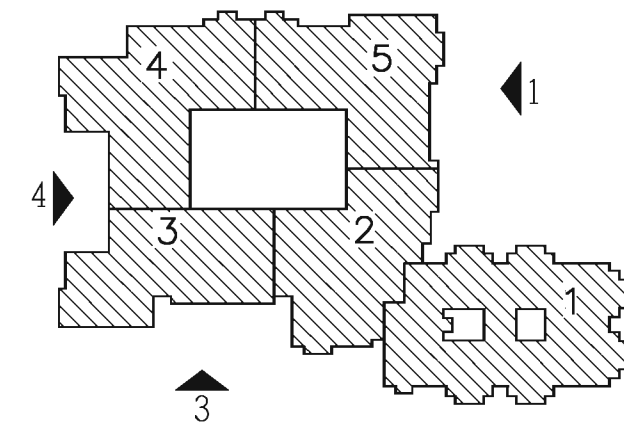
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SCALE 3/32" = 1'-0"



3 BUILDING EXTERIOR ELEVATIONS  
SCALE 3/32" = 1'-0"



4 BUILDING EXTERIOR ELEVATIONS  
SCALE 3/32" = 1'-0"



KEY PLAN

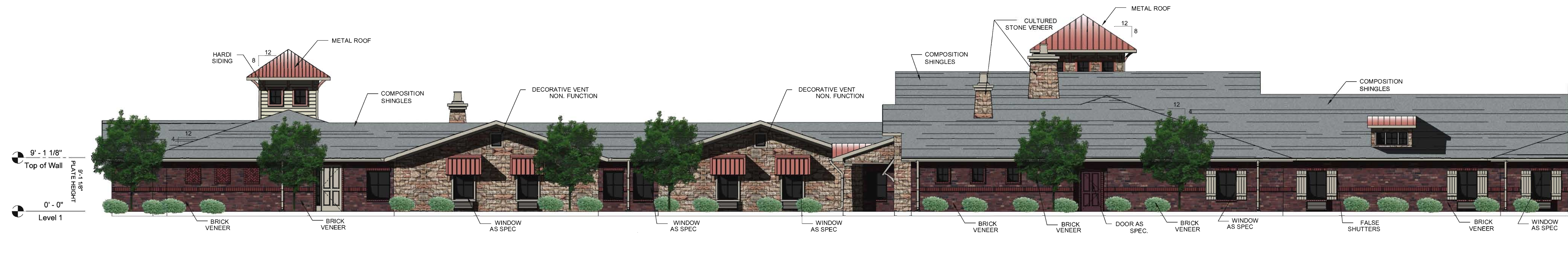


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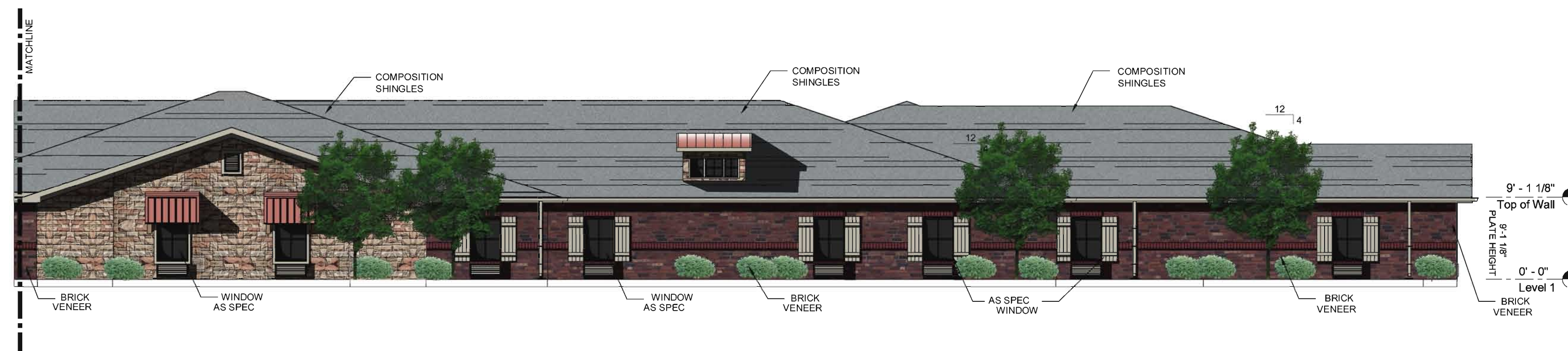
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REVISION	

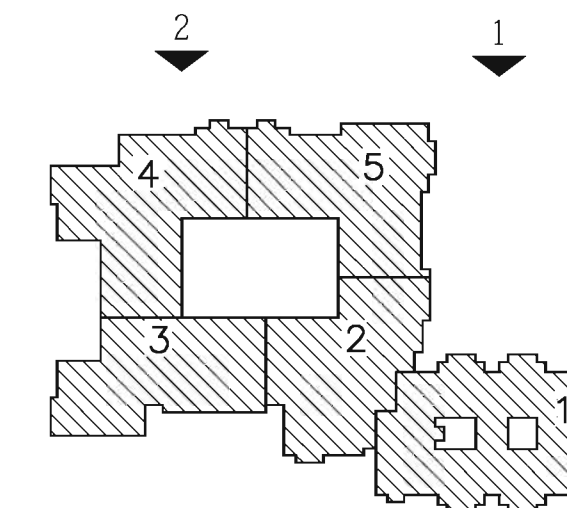
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PLOT DATE:	REV. DATE:
SUBMITTAL DATE:	PROJECT NUMBER:
ISSUED FOR:	SHEET NO.
SCALE: AS NOTED	A5.01



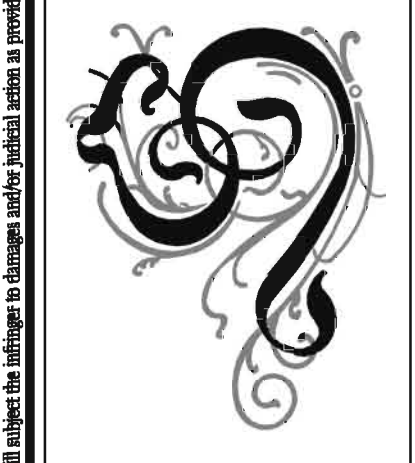
1 BUILDING EXTERIOR ELEVATIONS



2 BUILDING EXTERIOR ELEVATIONS



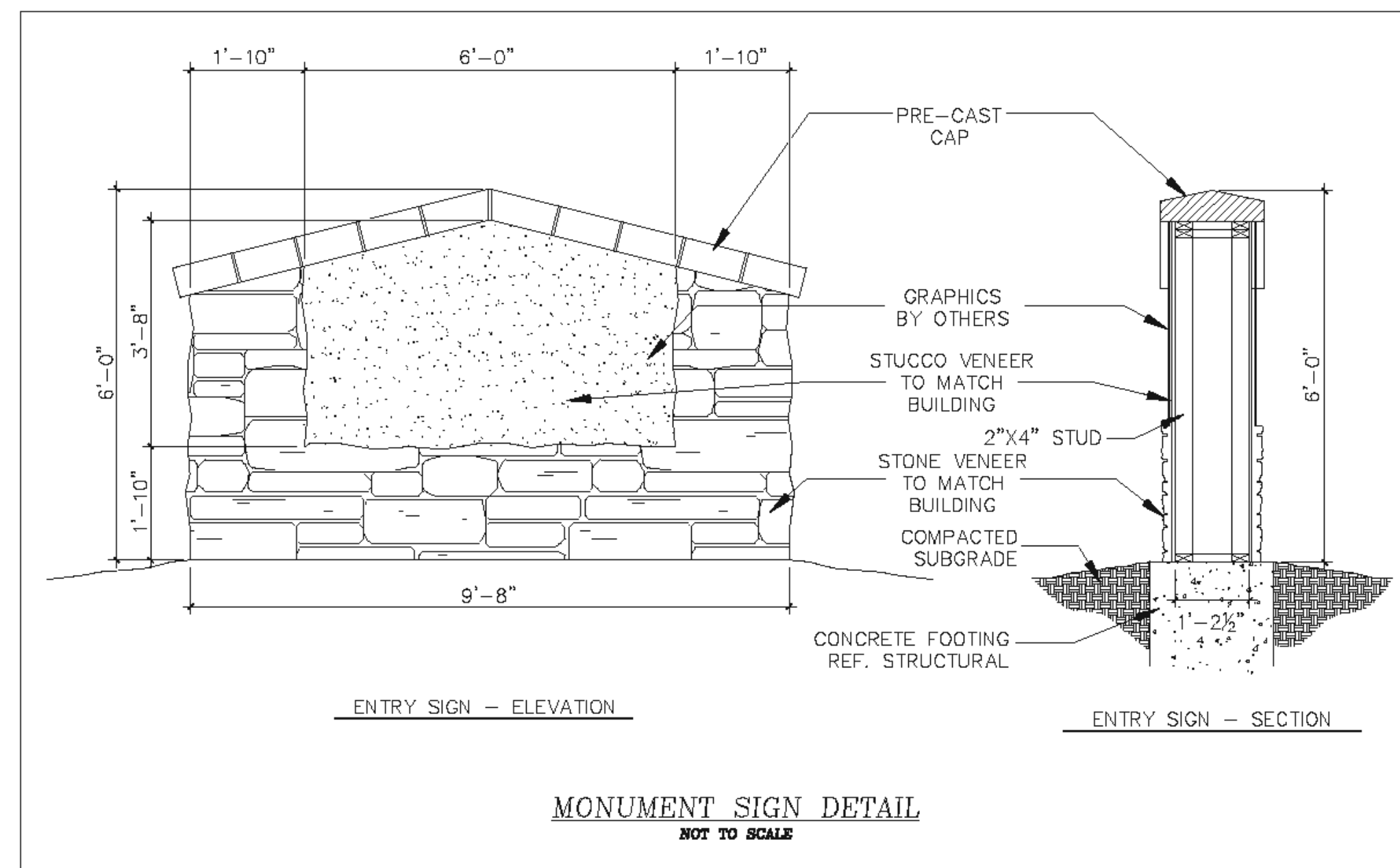
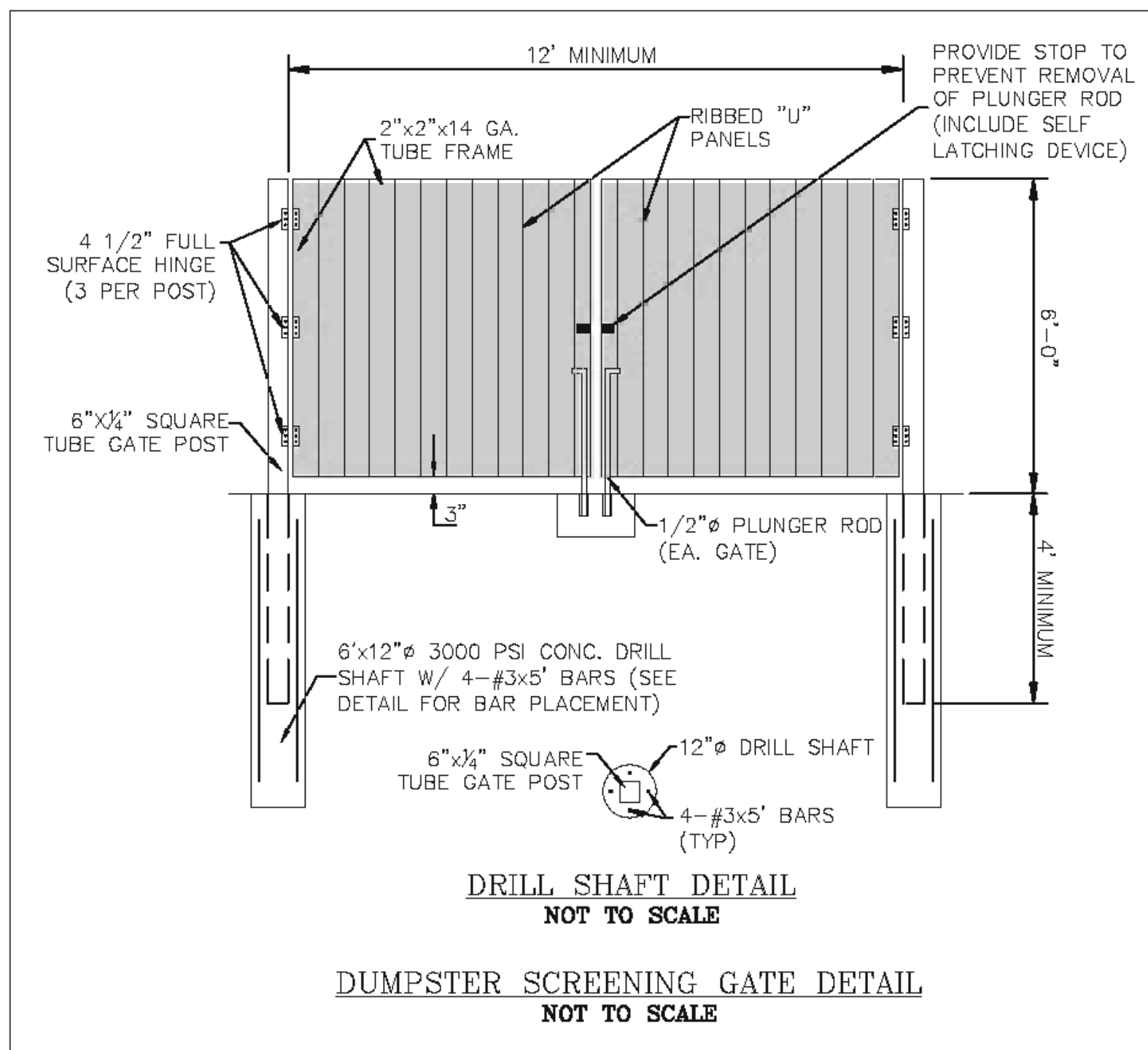
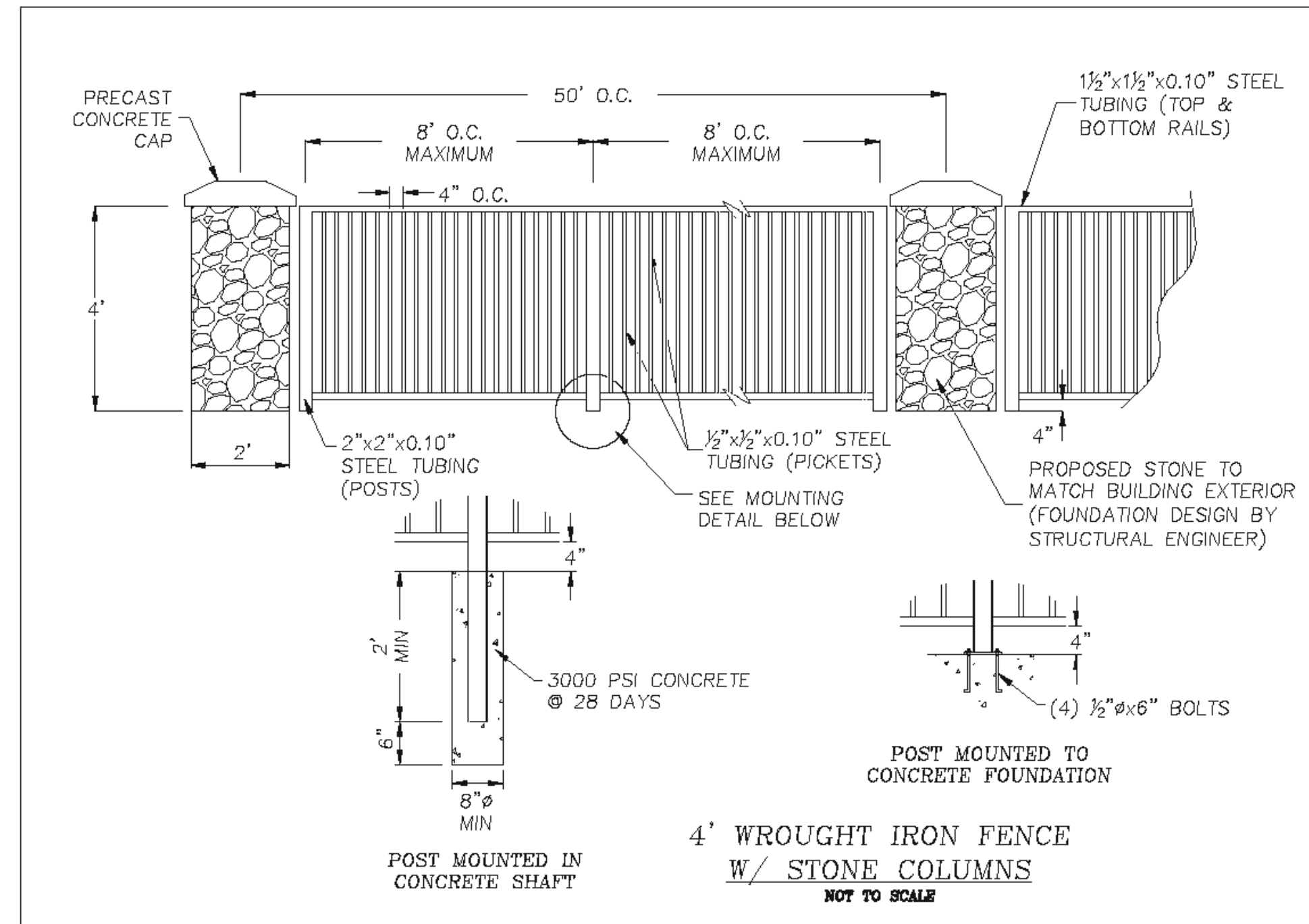
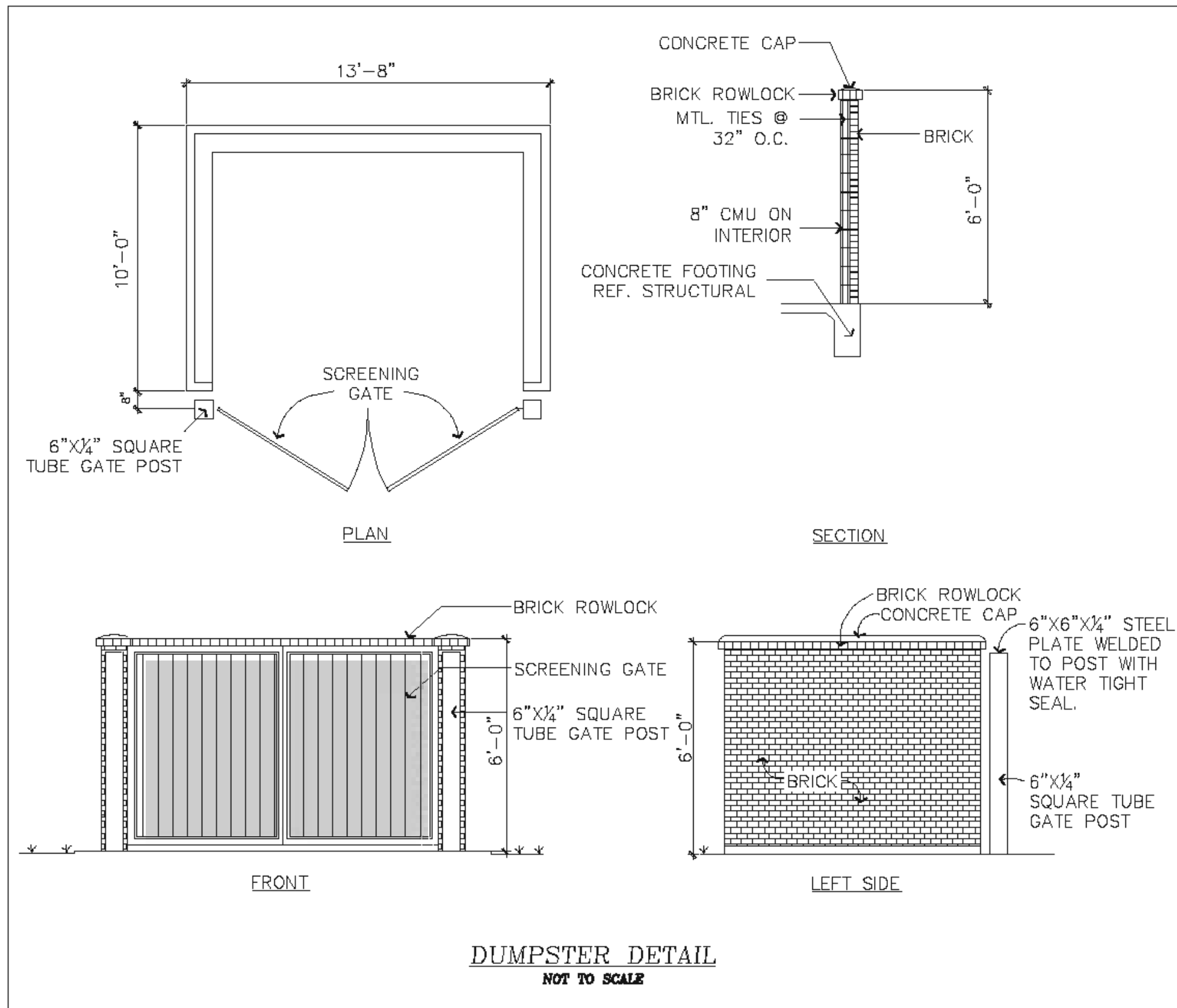
*Signature Senior Living*  
Assisted Living and Memory Care  
ROCKWALL, TEXAS



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Planning  
Project Management  
2344 State Highway 121, Suite 100 · Bedford, Texas, 76021  
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SEAL	
REVISION	
DRAWN BY: GTF	CHECKED BY: JMT
PLOT DATE:	REV. DATE:
SUBMITTAL DATE:	PROJECT NUMBER: 004
ISSUED FOR:	SHEET NO.:
SCALE: AS NOTED	A5.02

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THE PROPOSED MONUMENT SIGN SHALL HAVE THE SAME FONT STYLE AND ORIENTATION AS THE PHOTO ABOVE

**NOTE:**  
CITY OF ROCKWALL CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.

**PRELIMINARY PLANS**  
THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.  
STEVEN R. HOMEYER, PE # 86942  
DATE: 08/07/2012

**HOMEYER ENGINEERING, INC.**  
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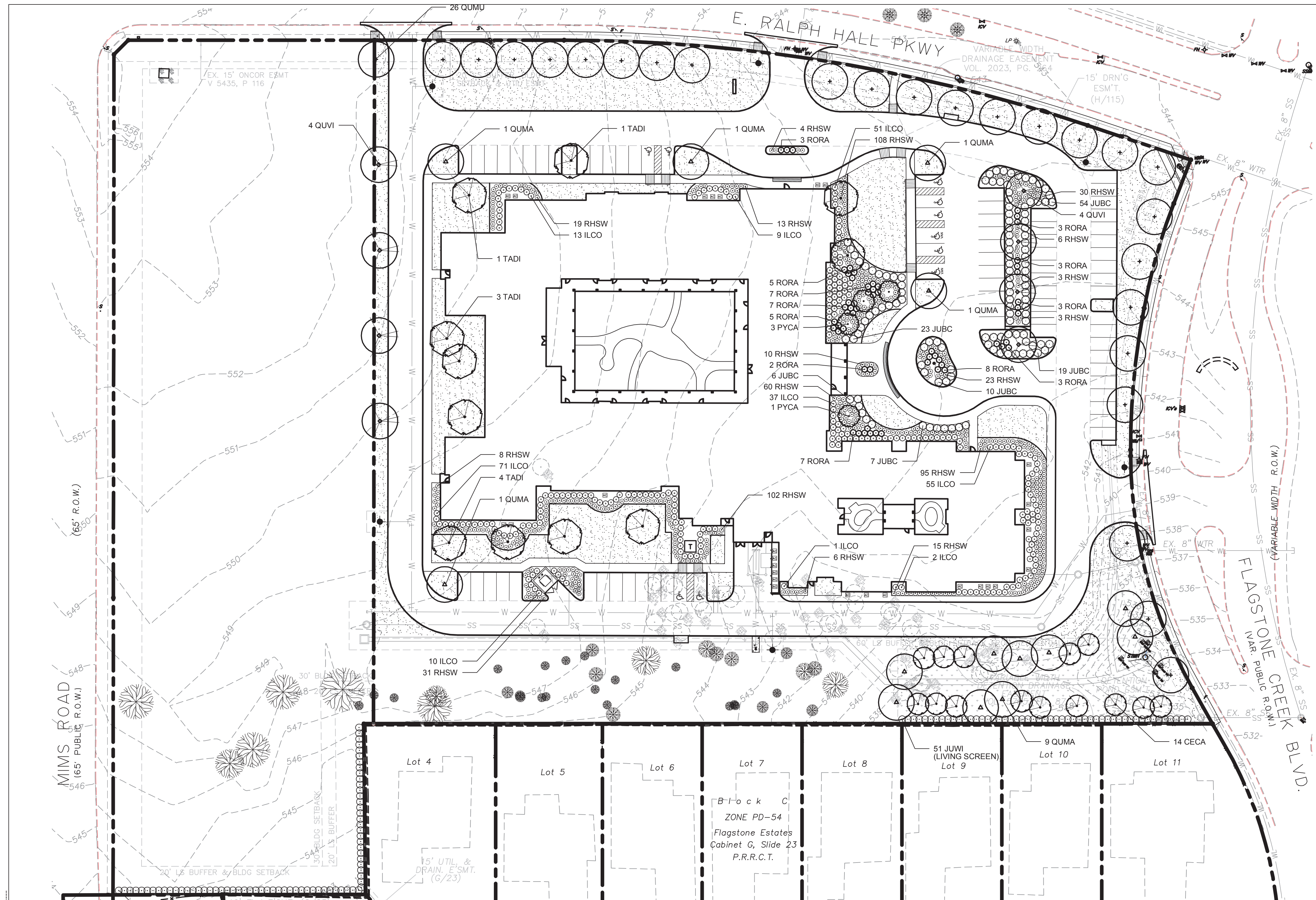


SIGNATURE SENIOR LIVING  
ASSISTED LIVING AND MEMORY CARE  
LOT 1, BLOCK A, FLAGSTONE CORNERS  
CITY OF ROCKWALL  
ROCKWALL COUNTY, TEXAS

MISCELLANEOUS  
DETAILS

DRAWN: SRH  
DATE: 08/15/12  
HEI #: 12-112  
SHEET NO:  
SP2

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**GENERAL PLANTING NOTES**

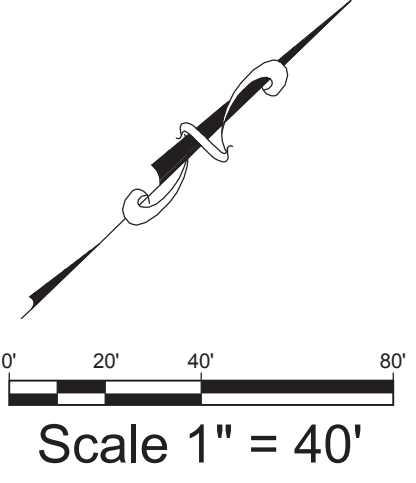
1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN) BEFORE STARTING WORK. THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
2. THE LANDSCAPE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER.
3. CONTRACTOR SHALL ENSURE THAT THE GRADE IN SOD AREAS SHALL BE 1" BELOW FINISH GRADE AFTER INSTALLING SOIL AMENDMENTS, AND 2" BELOW FINISH GRADE IN SHRUB AREAS AFTER INSTALLING SOIL AMENDMENTS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.
4. INSTALL 5 OUNCE, WOVEN, NEEDLE-PUNCHED POLYPROPYLENE FABRIC UNDER ALL MULCHED AREAS AND INDIVIDUAL TREE RINGS.
5. INSTALL SHREDDED HARDWOOD MULCH TOPDRESSING IN ALL PLANTING BEDS (2" DEPTH) AND ALL TREE RINGS (3" DEPTH). DO NOT INSTALL MULCH WITHIN 6" OF TREE ROOT FLARE.
6. INSTALL 1/4" GREEN STEEL EDGING BETWEEN ALL PLANTING BEDS AND TURF AREAS, AND BETWEEN GROUNDCOVERS AND OTHER PLANTS (WHERE INDICATED ON THE PLAN).
7. HYDROMULCH ALL DISTURBED AREAS OUTSIDE OF PROPERTY LIMITS (UNLESS SHOWN AS SOD).
8. ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
9. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
10. NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE DESIGNER IN WRITING (AS PROPER CHANNELS).
11. PLANTS MAY BE INSPECTED AND APPROVED OR REJECTED ON THE JOBSITE BY THE OWNER OR OWNER'S REPRESENTATIVE.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTING OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
13. SHOULD SEEDING AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
14. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
  - A. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
  - B. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
  - C. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOVED.
15. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

**LANDSCAPE CALCULATIONS**

GENERAL		
TOTAL SITE AREA:		251,484 SF
REQUIRED LANDSCAPE AREA:		62,871 SF (25%)
TOTAL LANDSCAPE AREA PROVIDED:		66,198 SF (26.3%)
TREES		
TOTAL FRONTAGE - RALPH HALL PARKWAY:		545 LF
STREET TREES REQUIRED:		18 TREES (1 TREE/30 LF)
STREET TREES PROVIDED:		18 TREES
TOTAL FRONTAGE - FLAGSTONE CREEK BLVD:		412 LF
STREET TREES REQUIRED:		8 TREES (1 TREE/50 LF)
STREET TREES PROVIDED:		8 TREES
TOTAL INCHES REQUIRED FOR MITIGATION ON-SITE:		69.5"
(SEE SHEET TP1)		
TOTAL NET TREES FOR MITIGATION:		24 TREES (3" CALIPER EACH)
TOTAL INCHES PROVIDED FOR MITIGATION ON-SITE:		72"
PARKING		
TOTAL PARKING AND MANEUVERING AREA:		73,430 SF
TOTAL PARKING LOT LANDSCAPE AREA REQUIRED:		3,672 SF (5%)
TOTAL PARKING LOT LANDSCAPE AREA PROVIDED:		7,336 SF (10.0%)
PARKING SPACES:		
TOTAL PARKING SPACES:		76 SPACES
PARKING LOT TREES REQUIRED:		8 TREES (1 TREE PER 10 SPACES)
PARKING LOT TREES PROVIDED:		8 TREES
DETENTION POND		
TOTAL DETENTION AREA:		10,129 SF
TREES REQUIRED IN REQUIRED LANDSCAPE:		14 TREES (1 TREE PER 750 SF)
TREES PROVIDED:		14 TREES

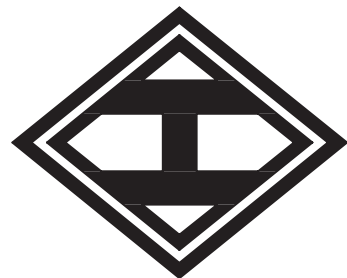
**PLANTING LEGEND**

SYMBOL	BOTANIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY	REMARKS/DETAILS
<b>TREES</b>						
CECA	<i>Cercis canadensis</i> var. <i>texensis</i>	Texas Redbud	2" caliper	Per plan	14	8'-10' high min.; detention pond trees
PYCA	<i>Pyrus calleryana</i> 'Aristocrat'	Aristocrat Pear	3" caliper	Per plan	4	10'-12' high min.
QUMA	<i>Quercus macrocarpa</i>	Burr Oak	3" caliper	Per plan	14	10'-12' high min.
QUMU	<i>Quercus muhlenbergii</i>	Chinquapin Oak	3" caliper	Per plan	26	10'-12' high min.; street trees
QUVI	<i>Quercus virginiana</i>	Live Oak	3" caliper	Per plan	8	10'-12' high min.
TADI	<i>Taxodium distichum</i>	Bald Cypress	3" caliper	Per plan	11	10'-12' high min.
<b>SHRUBS</b>						
ILCO	<i>Ilex cornuta</i> 'Burfordii Nana'	Dwarf Burford Holly	5 gallon	4' o.c.	249	
JUBC	<i>Juniperus horizontalis</i> 'Blue Chip'	Blue Chip Juniper	1 gallon	5' o.c.	119	
JUWI	<i>Juniperus scopulorum</i> 'Wichita Blue'	Wichita Blue Juniper	15 gallon	4' o.c.	123	6' high min.
RHSW	<i>Rhaphiolepis indica</i> 'Snow White'	Snow White Indian Hawthorne	5 gallon	3' o.c.	536	
RORA	<i>Rosa</i> 'Rador'	Rainbow Knock Out Rose	3 gallon	4' o.c.	57	
<b>TURF</b>						
	<i>Cynodon dactylon</i>	Common Bermuda Grass	Sod	---	---	
<b>SEED</b>						
	---	Dam Slope Mix	Hydromulch	---	---	0.5 lb/1,000 sf



ALL SEED MIXES ARE AVAILABLE THROUGH NATIVE AMERICAN SEED, (800) 728-4043. REFER TO PLANTING SPECIFICATIONS FOR SEEDING METHOD.

**HOMMEYER ENGINEERING, INC.**  
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 TBPE FIRM REGISTRATION NO. F-8440  
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ASSISTED LIVING AND MEMORY CARE  
 LOT 1, BLOCK A, FLAGSTONE CORNERS  
 J.D. McFARLAND SURVEY, ABST. 145  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

**PLANTING PLAN**

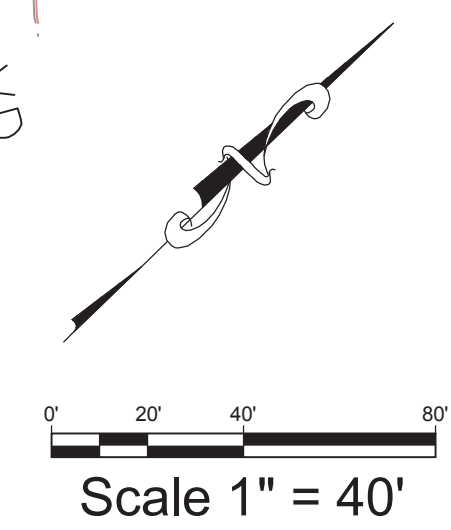
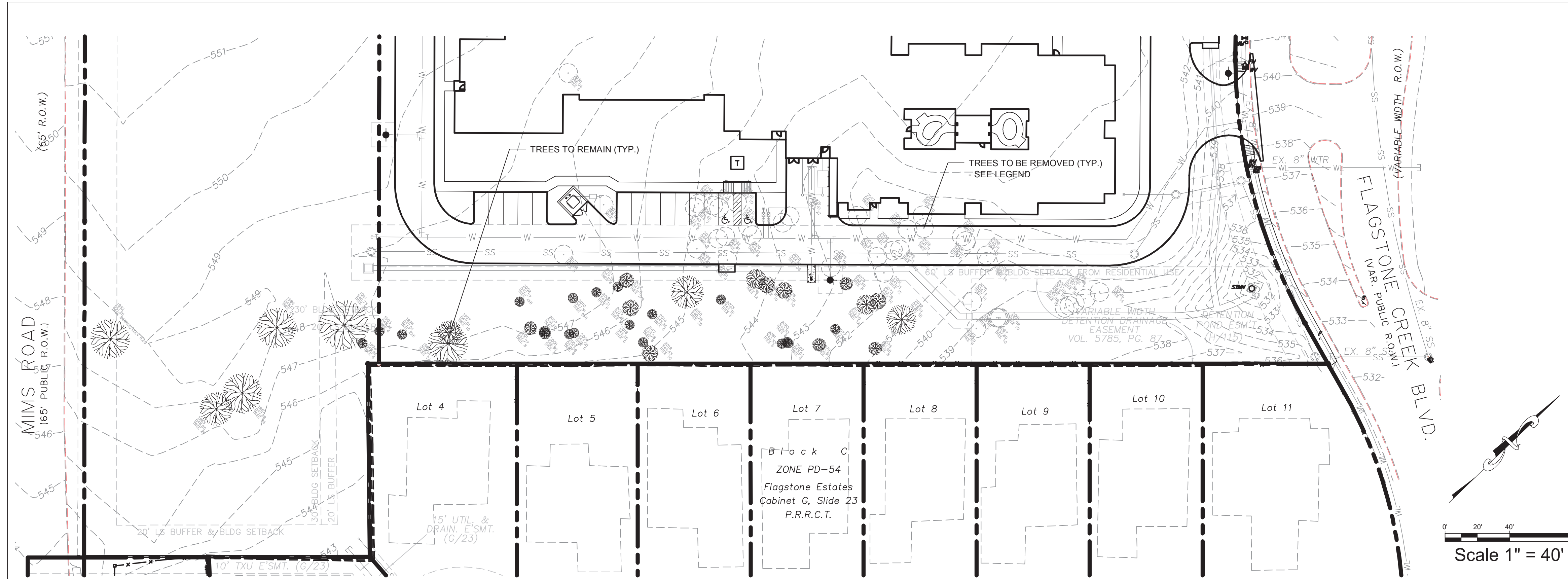


8/5/2012  
 DRAWN: LML  
 DATE: 06/15/12  
 HEI #: 11-142

**SHEET NO:**  
 LP1

**EVERGREEN DESIGN GROUP**  
 Landscape Designers & Consultants  
  
 (800) 680 6630  
 15305 Dallas Pkwy., Ste 300  
 Addison, TX 75001  
 www.landscape-consultants.net





**PROTECTED TREE LEGEND**

POINT #	TAG #	TREE SPECIES	DBH (IN.)	STATUS
1982	1116	HACKBERRY	24	KEEP
1985	1119	HACKBERRY	20	KEEP
1987	1118	HACKBERRY	24	KEEP
1989	1121	PECAN	24	KEEP
1991	X	HACKBERRY (DEAD)	30	KEEP
1993	1127	HACKBERRY	6	KEEP
1994	1128	HACKBERRY	6	KEEP
1996	1130	HACKBERRY	2 X 6	KEEP
1997	X	HACKBERRY	15	KEEP
1999	1133	HACKBERRY	24	KEEP
2001	1135	HACKBERRY	8	KEEP
2002	X	HACKBERRY	4 X 6	KEEP
2003	1137	HACKBERRY	6	KEEP
2004	1138	HACKBERRY	6	KEEP
2006	1141	HACKBERRY	7	KEEP
2007	1140	HACKBERRY	7	KEEP
2009	1143	HACKBERRY	6	KEEP
2010	1144	HACKBERRY	2 X 6	KEEP
2011	1145	HACKBERRY	6	KEEP
2012	1146	UNKNOWN	2 X 9	KEEP
2014	X	HACKBERRY	6	KEEP
2015	1150	HACKBERRY	10	KEEP
2016	X	HACKBERRY	6	KEEP
2017	1151	HONEYLOCUST	6	KEEP
2018	1152	HACKBERRY	20	KEEP
2019	1153	HACKBERRY	10	KEEP
2023	1148	HONEYLOCUST	6	KEEP
2024	1156	HACKBERRY	12	KEEP
2025	1159	HACKBERRY	10	KEEP
2026	1160	HACKBERRY	10	KEEP
2027	1161	HACKBERRY	6	REMOVE
2029	1163	HACKBERRY (ROTTEN CORE)	27	REMOVE
2030	1164	HACKBERRY	6	REMOVE
2031	1161	HACKBERRY	6	REMOVE
2032	1165	HACKBERRY	8	REMOVE
2033	1166	HACKBERRY	8	REMOVE
2034	1168	HACKBERRY	10	REMOVE
2035	1170	HACKBERRY	6	REMOVE
2036	1167	HACKBERRY	6	REMOVE
2037	X	HACKBERRY	6	REMOVE
2038	1172	HACKBERRY	6	REMOVE
2039	X	HACKBERRY	6	REMOVE
2041	1175	HACKBERRY	8	REMOVE
2042	1176	HACKBERRY	8	REMOVE
2043	1177	HACKBERRY	8	REMOVE
2044	1178	HACKBERRY	7	REMOVE
2047	X	CEDAR	15	REMOVE
2049	1183	HONEYLOCUST (DECLINE)	2 X 12	REMOVE
2050	1184	HACKBERRY	9	REMOVE
2051	1185	HACKBERRY	12	REMOVE
2052	1186	HACKBERRY	9	REMOVE
2053	1187	HACKBERRY	9	REMOVE
2054	1188	HACKBERRY	10	REMOVE
2055	1181	HACKBERRY	12	REMOVE
2056	1191	HACKBERRY	6	REMOVE
2057	1190	HACKBERRY	6	REMOVE
2058	1192	HACKBERRY	10	REMOVE
2059	1193	HACKBERRY	14	REMOVE
2061	1197	HACKBERRY	10	REMOVE
2062	1196	HACKBERRY	10	REMOVE
2063	1195	HACKBERRY	10	REMOVE
2064	1200	HACKBERRY	7	REMOVE
2065	1201	HACKBERRY	14	REMOVE
2066	1199	HACKBERRY	10	REMOVE
2067	1198	HACKBERRY	10	REMOVE
2068	X	HACKBERRY	6	REMOVE
2069	X	HACKBERRY	6	REMOVE
2070	1204	HACKBERRY	10	REMOVE
2072	1206	UNKNOWN	18	KEEP
2073	1207	HACKBERRY	10	KEEP
2074	1208	HACKBERRY	12	KEEP
2075	1209	HACKBERRY	8	KEEP
2076	1210	HACKBERRY	10	REMOVE
2077	1211	HACKBERRY	6	KEEP
2078	1212	HACKBERRY	8	KEEP
2079	1213	HACKBERRY	8	KEEP
2081	1215	HACKBERRY	6	KEEP
2082	1216	HACKBERRY	6	KEEP
2083	1217	HACKBERRY	6	KEEP

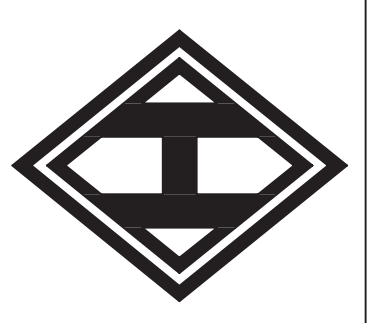
TOTAL DBH OF ALL PROTECTED TREES TO REMAIN:	299
TOTAL DBH OF FEATURE TREES TO REMAIN:	24
TOTAL DBH OF FEATURE TREES TO BE REMOVED:	36 A
TOTAL DBH OF PROTECTED TREES TO BE REMOVED:	67 B
TOTAL REPLACEMENT INCHES REQUIRED = A + (B/2):	69.5
TOTAL REPLACEMENT TREES @ 3" CALIPER:	24
TOTAL REPLACEMENT TREES (INCHES):	72

NOTE: ALL TREE INFORMATION OBTAINED FROM ALTA SURVEY PREPARED BY ARTHUR SURVEYING COMPANY, DATED 6/28/2012.

**TREE PROTECTION NOTES**

- CRITICAL ROOT ZONE FOR EXISTING TREES: BEFORE BEGINNING ANY DEMOTION OR CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND ALL EXISTING TREES WITHIN THE CONSTRUCTION ZONE THAT ARE TO BE SAVED. THE FENCE SHALL BE INSTALLED NO CLOSER TO THE TREE THAN THE OUTER EDGE OF THE TREE'S CRITICAL ROOT ZONE (CRZ) OR AS FAR AWAY FROM THE TRUNK AS PRACTICABLE. THE CRZ IS DEFINED AS THE AREA AROUND THE TREE TRUNK EQUAL TO 1' RADIUS FOR EVERY 1" DBH (DIAMETER AT BREAST HEIGHT). THE FENCING SHALL BE OF A MATERIAL AND HEIGHT ACCEPTABLE TO THE LANDSCAPE ARCHITECT, SUCH AS 4' HIGH ORANGE PLASTIC CONSTRUCTION FENCE. ALL CONTRACTORS AND THEIR CREWS SHALL NOT BE ALLOWED INSIDE THE CRZ, NOR SHALL THEY BE ALLOWED TO STORE OR DUMP FOREIGN MATERIALS WITHIN THIS AREA. NO WORK OF ANY KIND, INCLUDING TRENCHING, SHALL BE ALLOWED WITHIN THE CRZ EXCEPT AS DESCRIBED BELOW. THE FENCING SHALL REMAIN AROUND EACH TREE TO BE SAVED UNTIL THE COMPLETION OF CONSTRUCTION OPERATIONS.
- TEMPORARY MULCH: TO ALLEVIATE SOIL COMPACTION IN ANTICIPATED AREAS OF HIGH CONSTRUCTION TRAFFIC, AND ONLY WHERE FENCING CANNOT BE SET TO ENCOMPASS THE ENTIRE CRZ, THE CONTRACTOR SHALL INSTALL A LAYER OF MULCH, 9"-12" THICK, OVER ALL EXPOSED AREA BETWEEN THE FENCE AND THE OUTER LIMITS OF THE CRZ. THIS LAYER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. WHEN PLANTING OPERATIONS ARE COMPLETED, THE MULCH SHALL BE REDISTRIBUTED THROUGHOUT ALL PLANTING AREAS IN A 3" THICK "PERMANENT" MULCH LAYER.
- NECESSARY WORK: WHEN IT BECOMES NECESSARY TO ENTER THE CRZ, SUCH AS FOR INSTALLATION OF HARDSCAPE, FINE GRADING, IRRIGATION INSTALLATION, AND PLANTING OPERATIONS, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE FOLLOWING RULES:
  - EVERY EFFORT SHALL BE MADE TO PRESERVE THE EXISTING GRADE AROUND PROTECTED TREES IN AS WIDE AN AREA AS POSSIBLE. UNDER NO CIRCUMSTANCES WILL GRADE CHANGES THAT EXCEED 3" BE ALLOWED.
  - TRENCHING WITHIN THE CRZ SHALL BE PERFORMED BY HAND, AND WITH EXTREME CARE NOT TO SEVER ROOTS 1-1/2" IN DIAMETER AND LARGER. WHERE ROOTS 1-1/2" IN DIAMETER AND LARGER ARE ENCOUNTERED, THE CONTRACTOR SHALL TUNNEL UNDER SAID ROOTS. EXPOSED ROOTS THAT HAVE BEEN TUNNELED UNDER SHALL BE WRAPPED IN WET BURLAP AND KEPT MOIST WHILE THE TRENCH IS OPEN.
  - WHERE ROOTS 1-1/2" IN DIAMETER OR LARGER MUST BE CUT DUE TO EXTENSIVE GRADE CHANGES, THOSE ROOTS MUST BE EXPOSED BY HAND DIGGING AND CUT CLEANLY. IN AREAS WHERE OAK WILT OR SUDDEN OAK DEATH IS KNOWN TO EXIST, PAINT THE WOUND WITH WOUND PAINT WITHIN 30 MINUTES OF CUTTING.
  - WHERE TRENCHING NEAR TREES HAS ALREADY OCCURRED FROM PREVIOUS CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO CONFINE HIS TRENCHING OPERATIONS TO THE PREVIOUSLY-CREATED TRENCHES, WHILE ADHERING TO THE CONDITIONS SET FORTH IN 3b.
- POTENTIAL CONFLICTS: THE CONTRACTOR SHALL NOTIFY THE OWNER, LANDSCAPE ARCHITECT (AND/OR ARBORIST, AS APPLICABLE) SHOULD ANY POTENTIAL CONFLICTS ARISE BETWEEN THESE SPECIFICATIONS AND/OR LARGE ROOTS ENCOUNTERED IN THE FIELD, AND CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT TAKE ANY ACTION IN SUCH CONFLICTS WITHOUT THE LANDSCAPE ARCHITECT AND/OR ARBORIST'S WRITTEN APPROVAL. THE LANDSCAPE ARCHITECT AND/OR ARBORIST (AS APPLICABLE) SHALL HAVE FINAL AUTHORITY OVER ALL METHODS NECESSARY TO HELP ENSURE THE PROTECTION AND SURVIVAL OF EXISTING TREES.
- PRUNING: PRUNE ONLY THE TREES THAT ARE INDICATED ON THE PLANS AS REQUIRING PRUNING. PRUNE TREES ACCORDING TO INTERNATIONAL SOCIETY OF ARBORICULTURE / ANSI A300 STANDARDS:
  - REMOVE ALL DEAD WOOD.
  - PRUNE LIVE WOOD FOR HEALTH OR STRUCTURAL REASONS ONLY, INCLUDING THE NEED TO ELIMINATE DISEASED OR DAMAGED GROWTH, ELIMINATE STRUCTURALLY UNSOUND GROWTH, REDUCE THE POTENTIAL FOR WIND TOPPLING OR WIND DAMAGE, OR TO MAINTAIN GROWTH WITHIN LIMITED SPACE. DO NOT REMOVE MORE THAN 25% OF ANY TREE'S LIVE FOLIAGE IN ANY ONE GROWING SEASON. PRUNE ONLY TO INTERNATIONAL SOCIETY OF ARBORICULTURE/ANSI A300 STANDARDS, AND ONLY UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST.
  - FINAL CUTS SHALL BE MADE JUST OUTSIDE THE SHOULDER RING AREA. EXTREMELY FLUSHED CUTS WHICH PRODUCE LARGE WOUNDS SHALL NOT BE MADE.
  - ALL TRIMMING CUTS SHALL BE PERFORMED IN SUCH A MANNER AS TO PROMOTE THE NATURAL GROWTH AND SHAPE OF EACH TREE SPECIES.
  - IMPROPER PRUNING METHODS INCLUDING, BUT NOT LIMITED TO, "TOPPING", "TIPPING", "HEADING BACK", "DEHORNING", AND "LIONTAILING" WILL NOT BE ALLOWED. THE CONTRACTOR SHALL PAY FOR ALL WORK NECESSARY TO CORRECT SUCH PRUNING WHEN PERFORMED BY HIS CREWS OR SUBCONTRACTORS.
  - SHOULD THE CONTRACTOR REQUIRE MORE INFORMATION, THE CONTRACTOR SHALL CONTACT THE ISA AT (217) 355-9411 FOR A COPY OF THE ANSI A300 PRUNING STANDARDS. CONTRACTOR SHALL ADHERE TO THE METHODS AND PRACTICES SET FORTH IN THIS DOCUMENT.

**HOMMEYER ENGINEERING, INC.**  
 ENGINEERING REG. NO. F-8440  
 T&E FIRM REGISTRATION NO. F-8440  
 P.O. BOX 294527 • LEWISVILLE, TEXAS • 75029  
 972-906-9985 • PHONE • 972-906-9987 FAX  
 WWW.HEI.US.COM



ASSISTED LIVING AND MEMORY CARE  
 LOT 1, BLOCK A, FLAGSTONE CORNERS  
 J.D. McFARLAND SURVEY, ABST. 145  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

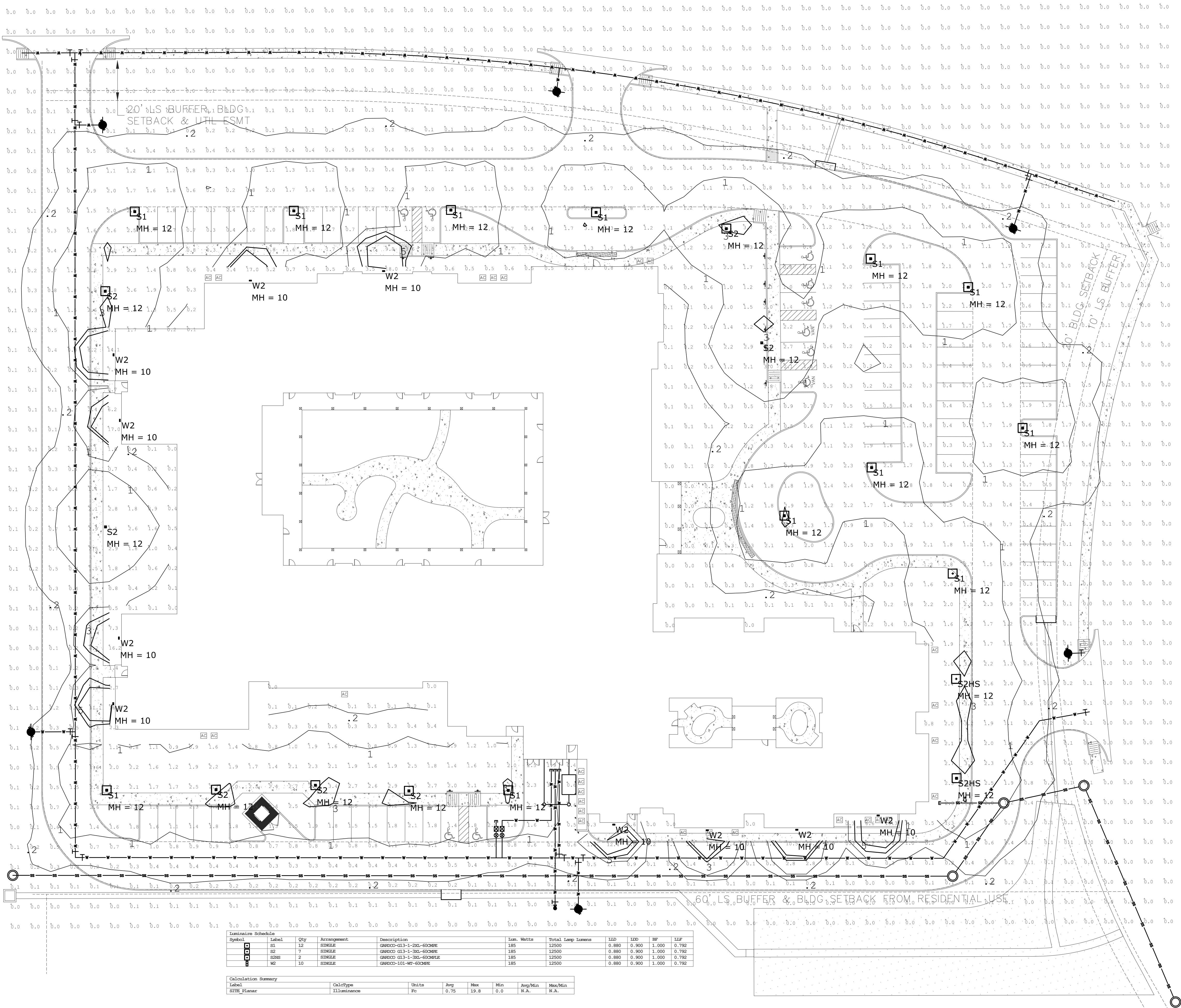
**TREESCAPE PLAN**



8/5/2012  
 DRAWN: LML  
 DATE: 06/15/12  
 HEI #: 11-142

SHEET NO:  
 TP1

**EVERGREEN DESIGN GROUP**  
 Landscape Designers & Consultants  
  
 (800) 680 6630  
 15305 Dallas Pkwy., Ste 300  
 Addison, TX 75001  
 www.landscape-consultants.net



PROJECT NAME: SIGNATURE ROCKWALL  
 SALESMAN ASSIGNED: TIM GALVIN  
 FILE NAME: SIGNATURE ROCKWALL\_120720\_V1.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'

Symbol	Label	Qty	Arrangement	Description	Lum. Watts	Total Lamp Lumens	UGD	UGD	RF	UFP
S1	S1	12	SINGLE	OSRAM 033-1-225-600HSE	185	12500	0.880	0.900	1.000	0.792
S2	S2	7	SINGLE	OSRAM 033-1-302-600HSE	185	12500	0.880	0.900	1.000	0.792
W2	W2	2	SINGLE	OSRAM 033-1-302-600HSE	185	12500	0.880	0.900	1.000	0.792
W2	W2	10	SINGLE	OSRAM 033-1-302-600HSE	185	12500	0.880	0.900	1.000	0.792

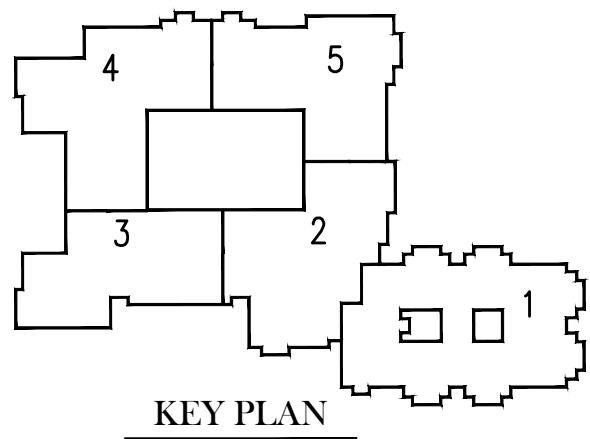
  

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site Plan	ILLUMINANCE	Fc	0.79	19.8	0.0	N/A	N/A

THESE PLANS SUBMITTED ARE ACCURATE AND DESIGNED IN COMPLIANCE WITH ALL APPLICABLE CODES IN EFFECT AT THE TIME OF THE SUBMISSION OF PLANS.

01 SITE PHOTOMETRICS PLAN  
 SCALE: 1" = 25'-0"

NOTE:  
 ALL WORK SHALL MEET THE APPLICABLE PORTIONS OF THE "TEXAS DEPARTMENT OF AGING AND DISABILITY SERVICES LICENSING STANDARDS FOR ASSISTED LIVING FACILITIES HANDBOOK" LATEST EDITION.



# Signature Senior Living

Assisted Living and Memory Care

Rockwall, TX



PE-SERVICES  
 F-10841  
 EXP: 11/30/12

PRELIMINARY  
 NOT FOR CONSTRUCTION

This document is preliminary. The information contained herein is not necessarily complete and is for review purposes only.

REVISION	

DRAWN BY: STAFF	CHECKED BY: TEB
PLOT DATE:	REV. DATE:
SUBMITTAL DATE: 08/06/2012	PROJECT NUMBER: 12187
ISSUED FOR: REVIEW	SHEET NO.:
SCALE: AS NOTED	MEP1.2

Z:\Signature Living LLC % SDR Development\Signature Assisted Living - Rockwall, TX 12187\MEP1.2.dwg



Job:  
Type:  
Notes:

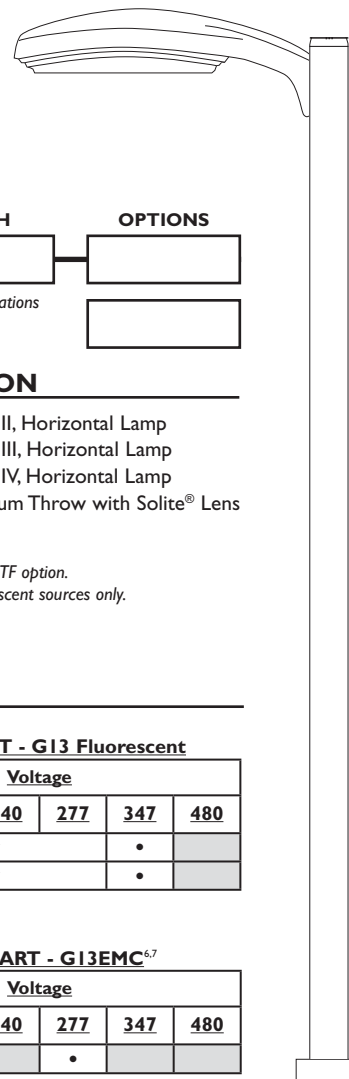
# Gullwing

## Featuring the CosmoPolis Electronic HID System

Page 1 of 3

## G13 Area Luminaires

The Philips Gardco Gullwing is an area luminaire defined by its sleek profile and rugged construction. The housing is one-piece, die cast aluminum and mounts directly to a pole or wall without the need of a separate support arm. The rotatable, multifaceted arc-image duplicating optical systems provide IES Types II, III, and IV distributions. The door frame is single-piece die cast aluminum and retains an optically clear tempered flat glass lens. The luminaire is completely sealed and gasketed preventing intrusion from moisture, dust and insects. Gullwing luminaires are finished with a fade and abrasion resistant TGIC powdercoat. Flat glass lens luminaires provide full cutoff performance. Sag Lens luminaires provide cutoff performance.



PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
G13	1		60CMPE	UNIV		

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	MOUNTING	DISTRIBUTION
<b>G13</b>	13" Gullwing Luminaire	<b>1</b> Single Pole Mount <b>2</b> Twin Pole Mount at 180°
<b>G13EMC<sup>1</sup></b>	13" Gullwing Luminaire Emergency Cold Temperature	<b>2@90</b> Twin Pole Mount at 90° <b>3</b> 3-way Pole Mount at 90° <b>3@120<sup>2</sup></b> 3-way Pole Mount at 120° <b>4</b> 4-way Pole Mount <b>W</b> Wall Mount, Recessed J-Box <b>WS</b> Wall Mount, Surface Conduit
		<b>2XL</b> Type II, Horizontal Lamp <b>3XL</b> Type III, Horizontal Lamp <b>4XL</b> Type IV, Horizontal Lamp <b>MTS<sup>3</sup></b> Medium Throw with Solite® Lens

<sup>1</sup>. Available with (2) 32TRF lamps and MTS optics only.  
(1) 32TRF operates in emergency mode.

<sup>2</sup>. Not available with PTF option.  
<sup>3</sup>. Available with fluorescent sources only.

### WATTAGE AND VOLTAGE

LAMP / VOLTAGE CHART - G13 HID		Voltage					
HID		120	208	240	277	347	480
<b>CosmoPolis Electronic HID System</b>	<b>60CMPE</b>	•		<b>200 - 277V</b>			
	<b>90CMPE</b>	•		<b>200 - 277V</b>			
	<b>140CMPE</b>	•		<b>200 - 277V</b>			
	<b>CosmoPolis systems are supplied with lamp included.</b>						
Pulse Start Metal Halide Magnetic Ballast	<b>50MH</b>	•			•		
	<b>70MH</b>	•	•	•	•	•	•
	<b>100MH</b>	•	•	•	•	•	•
	<b>150MH</b>	•	•	•	•	•	•
Standard Metal Halide*	<b>175MH*</b>	•	•	•	•	•	•
* 175MH not available for sale in the United States.							
Pulse Start Ceramic Metal Halide Electronic Ballast	<b>70CMHE<sup>4</sup></b>			<b>UNIV<sup>4</sup></b>			
	<b>100CMHE<sup>4</sup></b>			<b>UNIV<sup>4</sup></b>			
	<b>150CMHE<sup>4</sup> (E)</b>			<b>UNIV<sup>4</sup></b>			
High Pressure Sodium Magnetic Ballast	<b>50HPS</b>	•			•		
	<b>70HPS</b>	•	•	•	•	•	•
	<b>100HPS</b>	•	•	•	•	•	•
	<b>150HPS</b>	•	•	•	•	•	•
Low Pressure Sodium	<b>18LPS</b>	•	•	•	•		

**(E)** Wattages marked with Circle "E" meet federal energy efficiency standards applicable to 150 watt through 500 watt metal halide luminaires only.

LAMP / VOLTAGE CHART - G13 Fluorescent		Voltage					
Fluorescent (MTS Optics Only)		120	208	240	277	347	480
<b>(3)32TRF<sup>4,5</sup></b>		<b>UNIV<sup>4</sup></b>				•	
<b>(3)42TRF<sup>4,5</sup></b>		<b>UNIV<sup>4</sup></b>				•	

LAMP / VOLTAGE CHART - G13EMC <sup>6,7</sup>		Voltage					
Fluorescent (MTS Optics Only)		120	208	240	277	347	480
<b>(2)32TRF<sup>5,6,7</sup></b>		•			•		

CF Compact Fluorescent TRF Triple Tube Fluorescent

- Fluorescent and CMHE ballasts accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" for 120V through 277V.
- Lamp starting temperature is 0° F / -18° C.
- For emergency mode lumen output see submittal data sheet 79115-155 - "Gardco Emergency Light Output Information."
- (1) lamp operates in emergency mode.

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

1611 Clovis Barker Road, San Marcos, TX 78666  
(800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 [sitelighting.com](http://sitelighting.com)

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79115-130/0412

**PHILIPS**

**GARDCO**

### FINISH

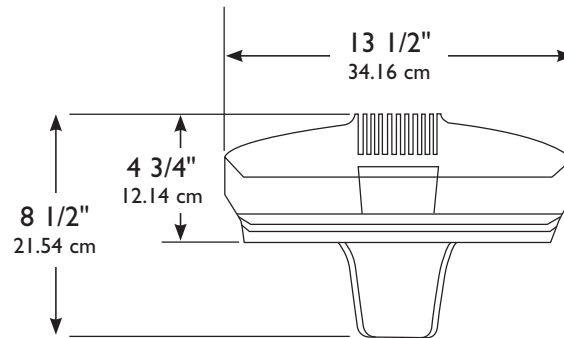
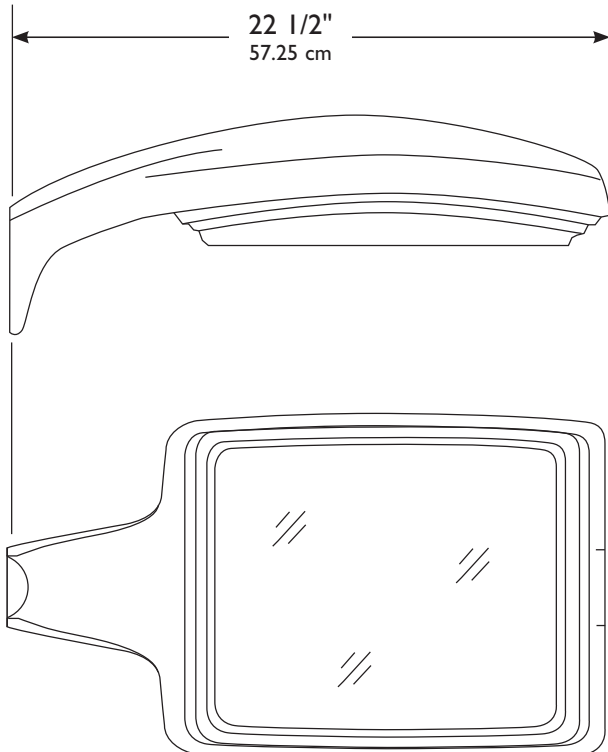
<b>BRP</b>	Bronze Paint
<b>BLP</b>	Black Paint
<b>WP</b>	White Paint
<b>NP</b>	Natural Aluminum Paint
<b>OC</b>	Optional Color Paint <i>Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.</i>
<b>SC</b>	Special Paint <i>Specify. Must supply color chip.</i>

### OPTIONS

<b>F</b>	Fusing In Head
<b>LF</b>	In-Line/In-Pole Fusing
<b>PC<sup>8</sup></b>	Photocontrol and Receptacle
<b>PCR</b>	Photocontrol Receptacle only
<b>HS</b>	Internal Houseside Shield
<b>QS<sup>9</sup></b>	Quartz Standby
<b>QST<sup>9</sup></b>	Quartz Standby - Timed Delay
<b>Q924<sup>9</sup></b>	Quartz Emergency
<b>QT924<sup>9</sup></b>	Quartz Emergency - Timed Delay
<b>SPA<sup>10</sup></b>	Square Pole Adapter
<b>TRI<sup>11</sup></b>	Single Transition
<b>TR2<sup>11</sup></b>	Twin Transition
<b>PTF2</b>	Pole Top Fitter - 2 3/8" - 3" Dia. Tenon
<b>PTF3</b>	Pole Top Fitter - 3" - 3 1/2" Dia. Tenon
<b>PTF4</b>	Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
<b>MF<sup>12</sup></b>	Mast Arm Fitter
<b>L6<sup>13</sup></b>	LumiStep Ballast 6 hour
<b>L8<sup>13</sup></b>	LumiStep Ballast 8 hour
<b>L10<sup>13</sup></b>	LumiStep Ballast 10 hour

- 8. Not available in 480V. Provide specific input voltage.
- 9. 100w Quartz lamp max, Not available with Fluorescent, EMC, CMHE or CMPE types.
- 10. Required for mounting to straight square poles.
- 11. Mounts to a 2-3/8" top tenon. Specify a pole with 3.00" top O.D. for a smooth transition.
- 12. Mounts to a 2-3/8" O.D. mast arm.
- 13. Available with CosmoPolis system only. See submittal sheet GE200-005 for complete information on LumiStep ballasts.

### DIMENSIONS AND EPA



EPA		
1	2	3-4
.8 ft <sup>2</sup>	1.6 ft <sup>2</sup>	2.2 ft <sup>2</sup>
.07 m <sup>2</sup>	.15 m <sup>2</sup>	.20 m <sup>2</sup>

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79115-130/0412

**PHILIPS**



**SPECIFICATIONS**

**GENERAL DESCRIPTION:** The Philips Gardco Gullwing is an area luminaire defined by its sleek profile and rugged construction. The housing is one-piece, die cast aluminum and mounts directly to a pole or wall without the need of a separate support arm. The rotatable, multifaceted arc-image duplicating optical systems provide IES Types II, III, and IV distributions. The door frame is single-piece diecast aluminum and retains an optically clear tempered flat glass lens. The luminaire is completely sealed and gasketed preventing intrusion from moisture, dust and insects. Gullwing luminaires are finished with a fade and abrasion resistant TGIC powdercoat.

**HOUSING:** A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only .8 ft<sup>2</sup>/.07m<sup>2</sup>.

**LENS ASSEMBLY:** A single-piece die cast aluminum lens frame hinges down from the housing and is secured by a stainless steel lanyard and hinge pin. An optically clear, heat and impact resistant tempered flat glass lens is mechanically secured with six retainers. The electrical and optical chambers are thoroughly sealed with a one-piece memory retentive hollow-core EPDM gasket to prevent intrusion by moisture, dust, and insects.

**OPTICAL SYSTEMS:** The segmented optical systems are manufactured from homogenous sheet aluminum which has been electrochemically brightened, anodized and sealed. The multifaceted arc image duplicating systems are designed to produce IES Types II (2XL), III (3XL), and IV (4XL). The reflector facets form a conical fan around the arc tube with each facet positioned to be precisely tangent to the top of the arc tube. The lampholder is glazed porcelain with a nickel plated screw shell. HID luminaires feature porcelain medium base lampholders.

Fluorescent luminaires use a Medium Throw reflector with a Solite® glass lens (MTS).

**EMC Luminaires:** In the event of power interruption, integral battery pack will power (1) 32W compact fluorescent lamp at reduced light levels for a minimum of 90 minutes. Maintenance free battery is rated for ambient temperatures down -4°F/-20°C. Indicator light is visible through the lens. A test switch is accessible through the door assembly. EMC units do not bear CUL label.

**ELECTRICAL:** All electrical components are UL recognized, factory tested, and mounted on a unitized plate with quick electrical disconnects. For luminaires provided with Cosmopolis, each high power factor ballast is electronic, designed specifically for the CosmoPolis high performance ceramic metal halide electronic system. Each HID high power factor ballast is capable of providing reliable lamp starting down to -20°F/-29°C. Standard fluorescent ballasts are solid state.

**FINISH:** Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

**LABELS:** All luminaires bear UL or CUL (where applicable) Wet Location labels.

**WARRANTY:** Philips Gardco luminaires feature a 5 year limited warranty. See Warranty Information on [www.sitelighting.com](http://www.sitelighting.com) for complete details and exclusions.

**FULL CUTOFF PERFORMANCE:** Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 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.

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79115-130/0412

**PHILIPS**



Job:  
 Type:  
 Notes:

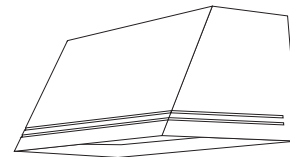
# 100 Line

Featuring CosmoPolis Electronic HID System

Page 1 of 3

## 101 Performance Sconce

The Philips Gardco 101 Trapezoidal Wedge high performance sconce luminaires are designed to integrate naturally to wall surfaces. The 101 luminaires are available with three (3) different distribution patterns. 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.



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

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Philips 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 (Standard Luminaire)
- 101EM** Emergency Sconce
- 101EMC** Emergency Sconce, Cold Temperature
- 101EMR** Remote Emergency Sconce

Refer to configuration 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

HID*	Voltage					
	120	208	240	277	347	480
<b>60CMPE</b>	•	200 - 277				
<b>50MH</b>	•			•		
<b>70MH</b>	•	•	•	•	•	
<b>100MH</b>	•	•	•	•	•	•
<b>150MH</b>	•	•	•	•	•	•
<b>175MH**</b>	•	•	•	•	•	•
<b>50CMHE<sup>1</sup></b>	UNIV					
<b>70CMHE<sup>1</sup></b>	UNIV					
<b>100CMHE<sup>1</sup></b>	UNIV					
<b>35HPS</b>	•					
<b>50HPS</b>	•			•		
<b>70HPS</b>	•	•	•	•	•	•
<b>100HPS</b>	•	•	•	•	•	•
<b>150HPS</b>	•	•	•	•	•	•
<b>18LPS</b>	•			•		
<b>Fluorescent</b>						
<b>26QF<sup>1</sup></b>	UNIV			•		
<b>226QF<sup>1</sup></b>	UNIV			•		
<b>32TRF<sup>1</sup></b>	UNIV			•		
<b>232TRF<sup>1</sup></b>	UNIV			•		
<b>42TRF<sup>1</sup></b>	UNIV			•		
<b>242TRF<sup>1</sup></b>	UNIV			•		

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

**60CMPE**

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

Available in FT, WT and MT

Available 120V or 200V - 277V only.

\* 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.

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

CONFIGURATION CHART - 101EM OR 101EMC<sup>5</sup>

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
<b>226QF<sup>2</sup></b>			•	•			•		
<b>32TRF</b>			•	•			•		
<b>42TRF</b>			•	•			•		

CONFIGURATION CHART - 101EMR<sup>5</sup>

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
<b>226QF<sup>2,3,4</sup></b>			•	•			•		
<b>32TRF</b>			•	•			•		
<b>232TRF<sup>2,3,4</sup></b>			•	•			•		
<b>42TRF</b>			•	•			•		
<b>242TRF<sup>2,4</sup></b>			•	•			•		

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 3 for additional information.

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Philips Gardco reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

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**PHILIPS**



### FINISH

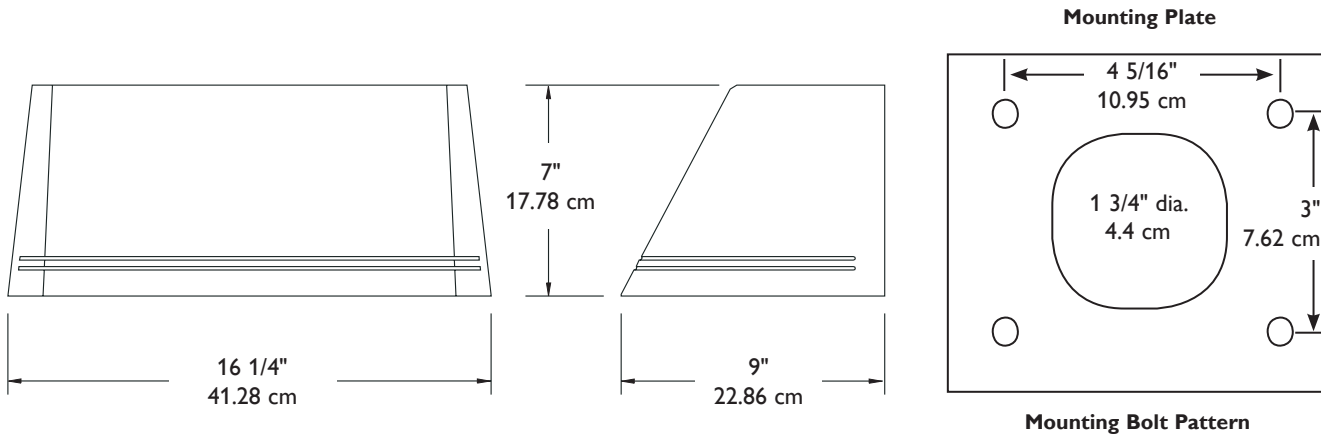
<b>BRP</b>	Bronze Paint
<b>BLP</b>	Black Paint
<b>WP</b>	White Paint
<b>NP</b>	Natural Aluminum Paint
<b>BGP</b>	Beige Paint
<b>OC</b>	Optional Color Paint Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.
<b>SC</b>	Special Paint Specify. Must supply color chip.

### OPTIONS

<b>F<sup>6</sup></b>	Fusing
<b>PCB<sup>7</sup></b>	Button Type Photocontrol
<b>QS<sup>8</sup></b>	Quartz Standby
<b>QST<sup>8</sup></b>	Quartz Standby - Timed Delay
<b>Q924<sup>9</sup></b>	Quartz Emergency
<b>QT924<sup>9</sup></b>	Quartz Emergency - Timed Delay
<b>Q12V<sup>9,20</sup></b>	Quartz 12V Emergency
<b>Q20MR<sup>10,20</sup></b>	(2)MR16 12V Emergency - 20 Watt
<b>Q35MR<sup>10,20</sup></b>	(2)MR16 12V Emergency - 35 Watt
<b>ELED<sup>19,20</sup></b>	(2)LED 12V Emergency Modules - 6.2 Watt
<b>SL</b>	Solite <sup>®</sup> Diffusing Lens
<b>UT</b>	5° Uptilt
<b>WLU<sup>11</sup></b>	Wet Location Door for Inverted Mount
<b>WS<sup>12</sup></b>	Wall Mounted Box for Surface Conduit
<b>WS/UT<sup>12</sup></b>	WS Option w/5° Uptilt
<b>WG<sup>13</sup></b>	Wire Guard
<b>POLY<sup>13,14</sup></b>	Polycarbonate Sag Lens
<b>L6<sup>18</sup></b>	Lumistep <sup>™</sup> Ballast - 6 hour
<b>L8<sup>18</sup></b>	Lumistep <sup>™</sup> Ballast - 8 hour
<b>L10<sup>18</sup></b>	Lumistep <sup>™</sup> Ballast - 10 hour
<b>EMR LUMINAIRES ONLY<sup>15</sup></b>	
<b>B84CG</b>	Bodine Remote Emergency Pack
<b>ICE420<sup>16</sup></b>	IOTA Remote Emergency Battery Pack 226QF / 232TRF only.
<b>1162<sup>17</sup></b>	IOTA Remote Emergency Battery 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. 100 watt 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. Not available with EM, EMC or EMR types.
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 Philips 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.
18. Available with CosmoPolis<sup>™</sup> system only. See submittal sheet GE200-005 for complete information on LumiStep<sup>™</sup> ballasts.
19. WT Optic only. 50CMHE or 70CMHE only. Supplied with two (2) 6.2 watt, 300 lumen LED modules.
20. Requires a separate source of 12V power by others.

### 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.

### SPECIFICATIONS

**GENERAL:** Each Philips 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 system. 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 FOR USE OUTSIDE NORTH AMERICA:** Philips Gardco has capability to provide luminaires meeting requirements world wide. Consult the factory for specifications for projects outside North America.

**LUMINAIRES with Q924 / G12V / QMR20 / QMR35 / ELED OPTIONS:** Luminaires with the Q924 option require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR, Q35MR or ELED 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'x2.29m, 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 Philips Gardco. The B84CG option, the I162 option or the ICE420 option is 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 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 <sup>22</sup>	32° F/ 0°C	(2) 26, (2) 32 or (2) 42 Watt Compact Fluorescent Lamps
101EMR (Remote) with ICE420 Option <sup>23</sup>	0°F / -18°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps

Notes:

- 21. See Philips Gardco Emergency Light Output Information (79115-155) for emergency lumen output data.
- 22. 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.
- 23. 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:** Philips Gardco luminaires feature a 5 year limited warranty. See Warranty Information on [sitelighting.com](http://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 at or above 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.