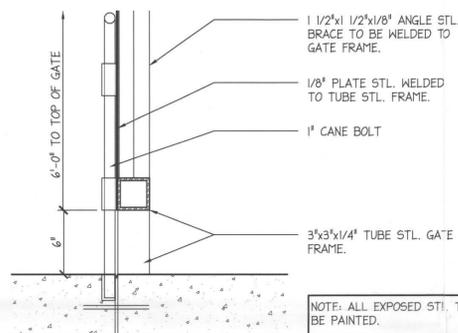
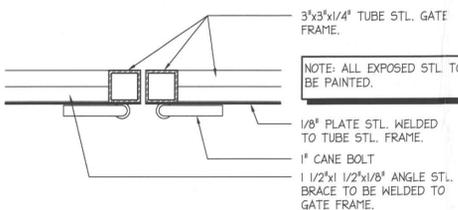


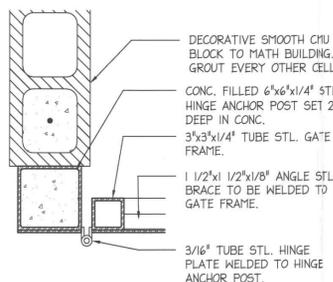
**07 Light Pole Detail**  
SCALE: 1" = 1'-0"



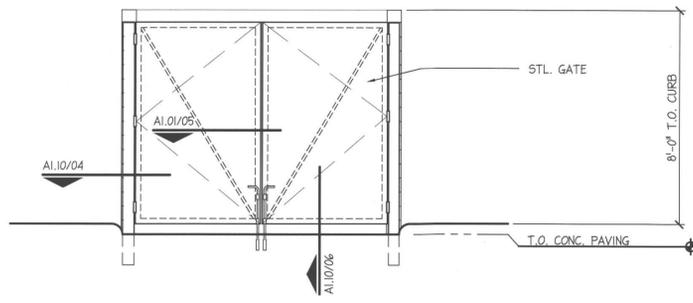
**06 Detail**  
SCALE: 1 1/2" = 1'-0"



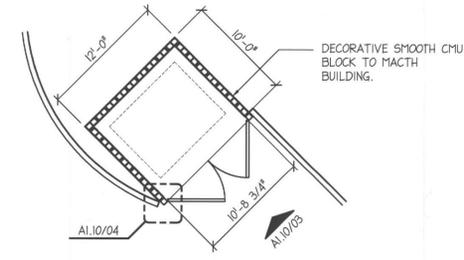
**05 Detail**  
SCALE: 1 1/2" = 1'-0"



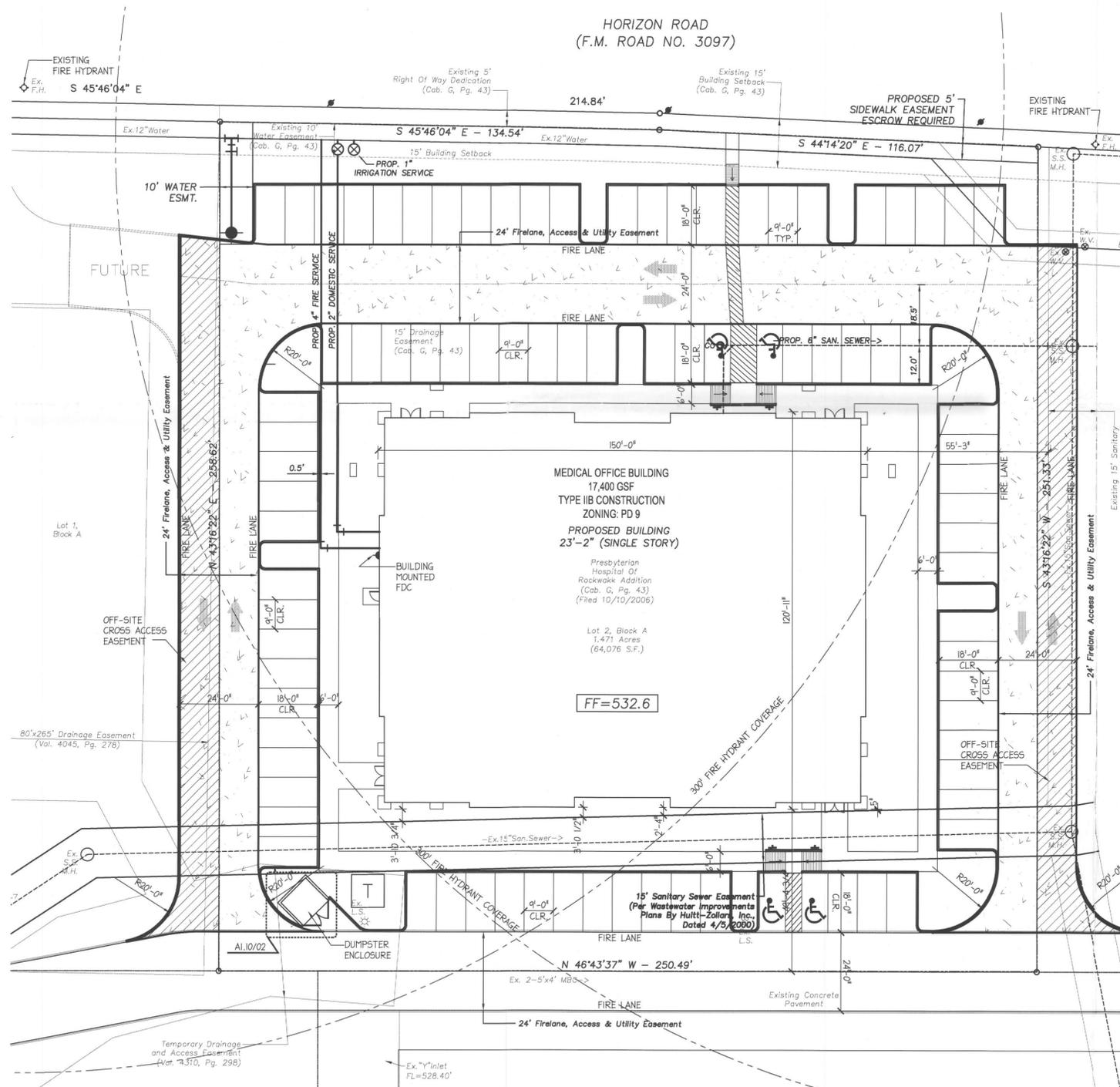
**04 Detail**  
SCALE: 1 1/2" = 1'-0"



**03 Dumpster Elevation**  
SCALE: 1/4" = 1'-0"



**02 Dumpster Plan**  
SCALE: 1/8" = 1'-0"



**01 Site Plan**  
SCALE: 1" = 20'-0"

**Calculations**

**IMPERVIOUS AREA VS. OPEN SPACE**  
SITE TOTAL 64,076 SF  
IMPERVIOUS AREA = 50,314 SF  
OPEN SPACE = 13,762 SF  
(50,314 X 64,076) X 100 = 78% IMPERVIOUS COVERAGE

**FLOOR TO AREA RATIO**  
17,400 SF ÷ 64,076 SF = 1 : 3.68

**PARKING**  
BUILDING 17,400 GSF / 200 = 87 SPACES REQUIRED  
87 SPACES PROVIDED  
4 HANDICAP REQUIRED  
4 HANDICAP PROVIDED

**GENERAL NOTES**

**FIRE LANE**  
TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ROCKWALL ENGINEERING STANDARDS.  
FIRE LANE PAVEMENT MUST BE A MIN. OF 6" THICK AND 3600 PSI CONC.  
MARK FIRE LANES "NO PARKING FIRE LANE" EVERY 25', IN WHITE 4" LETTERS ON A 6" RED STRIPED BACKGROUND.

**SIGNS**  
NO SIGNS IN EASEMENTS AND MUST BE PERMITTED SEPARATELY.

**DESIGN/BUILDER**  
CENTERPOINT BUILDERS, LTD  
5339 ALPHA ROAD  
SUITE 250  
DALLAS, TX 75240  
(972) 220-0500

**ARCHITECT**  
McCALLARIOS ARCHITECTURE  
2591 DALLAS PARKWAY  
SUITE 300  
FRISCO, TX 75034  
(972) 377-0072  
(972) 421-1827 (fax)

**CIVIL CONSULTANT**  
O'DONALD ENGINEERING, PLLC  
1601 EAST LAMAR BOULEVARD  
SUITE 116  
ARLINGTON, TX 76011  
(817) 794-0202  
(817) 548-8430 (fax)

**STRUCTURAL CONSULTANT**  
ZINSER/GROSSMAN  
400 SOUTH AKARD ST  
DALLAS, TX 75202  
(469) 227-3980  
(469) 227-3981 (fax)

**NOT FOR CONSTRUCTION**

GARY D McCALLA  
TEXAS ARCHITECT  
LICENSE NO. 12519

DATE: 6 FEBRUARY 2008

REVISIONS

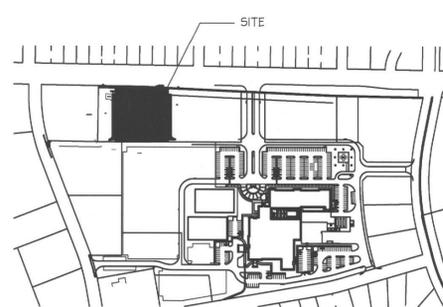
FILE COPY

PROJ. NO: 7044A

SHEET TITLE:  
**SITE PLAN**

SHEET NO.:

**A1.10**



KEY MAP

**Exterior Finishes**

- STONE (ST-1)  
COLOR: TBD
- CMU (CMU-1)  
MANUFACTURER: FEATHERLITE  
COLOR: SADDLE TAN
- CEMENT PLASTER (CP-1)  
COLOR: TBD
- GROUT (G-1)  
COLOR: PLAIN
- ALUMINUM STOREFRONT SYSTEM (ASS-1)  
COLOR: CLEAR ANODIZED
- GLAZING (GL-1)  
COLOR: TO MATCH PRESBYTERIAN HOSPITAL
- STANDING SEAM METAL ROOF (MR-1)  
TYPE: BERRIDGE PREWEATHERED GALVALUMINE

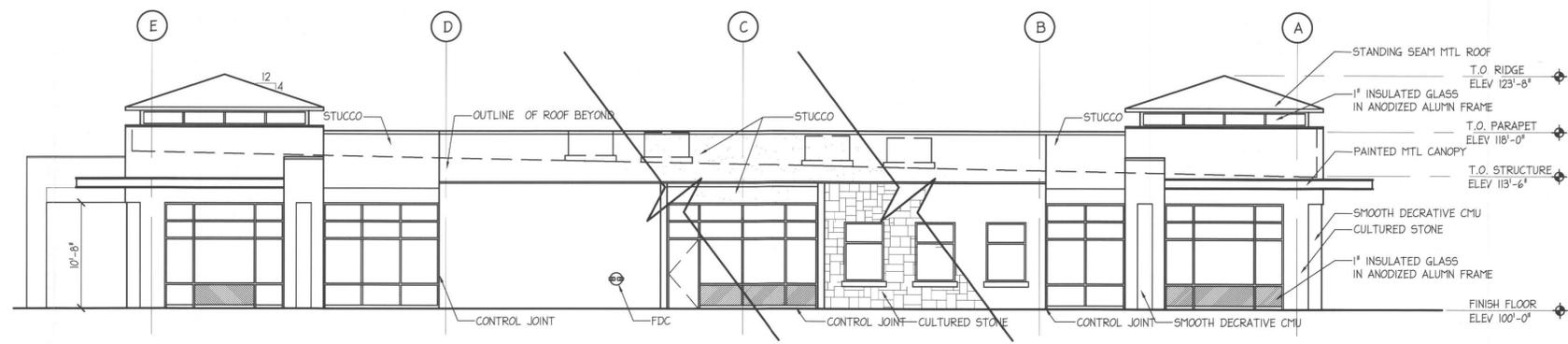
**Calculations**

MASONRY  
7,114 SF NON GLAZED FACADE

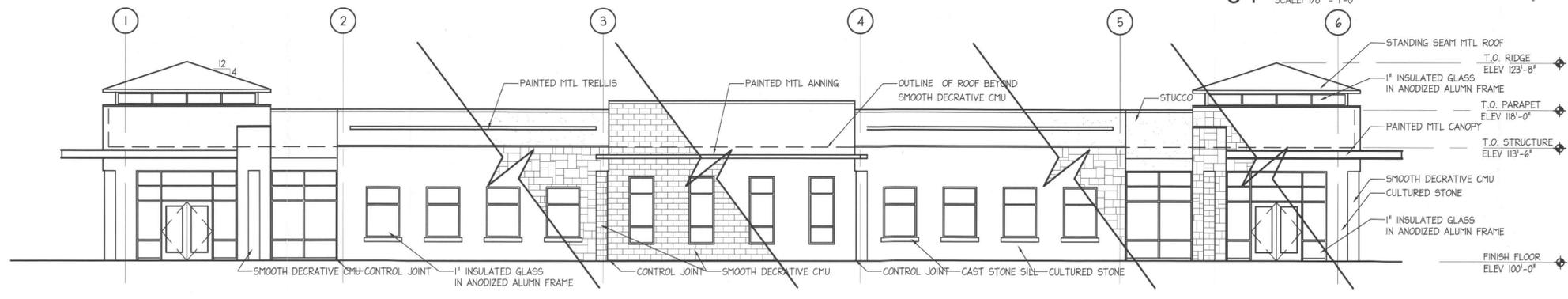
90% REQUIREMENT = 6,403 SF W/ LESS THEN 50% STUCCO

7,114 SF - 1716 SF OF STUCCO = 5,398 SF

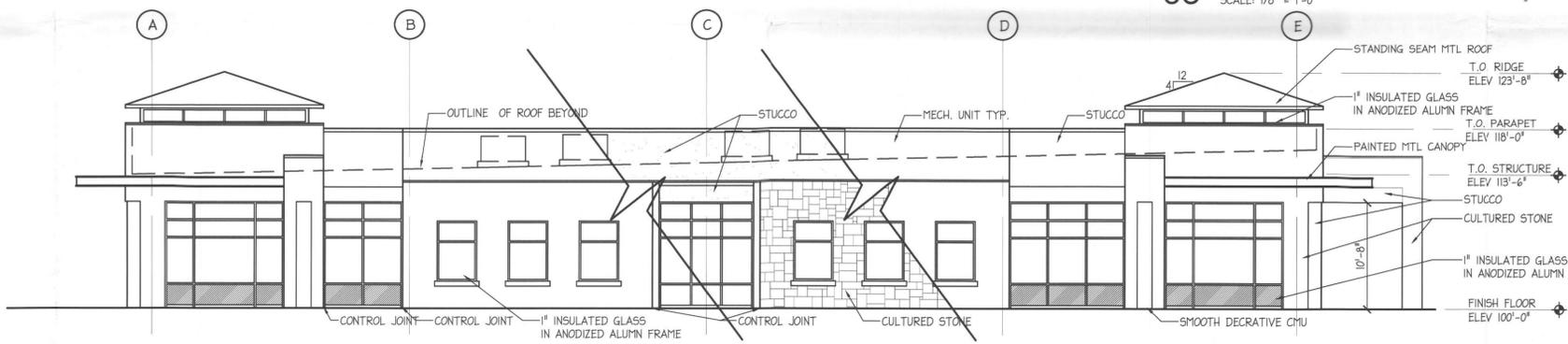
$(5,398 / 7,114) \times 100 = 76\% \text{ MASONRY}$



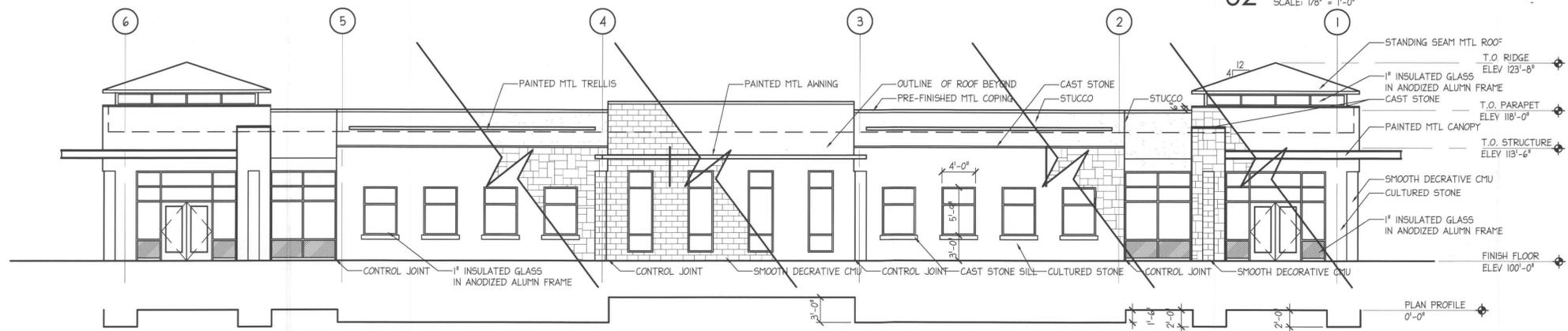
**04 West Elevation**  
SCALE: 1/8" = 1'-0"



**03 South Elevation**  
SCALE: 1/8" = 1'-0"



**02 East Elevation**  
SCALE: 1/8" = 1'-0"



**01 North Elevation**  
SCALE: 1/8" = 1'-0"



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GARY D McCALLA  
TEXAS ARCHITECT  
LICENSE NO. 12519

DATE: 31 JANUARY 2008

REVISIONS

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PROJ. NO: 7044A

SHEET TITLE:  
**ELEVATIONS**

SHEET NO.:  
**A5.00**

# CITY OF ROCKWALL LANDSCAPE REQUIREMENTS

## LANDSCAPE BUFFER STRIP

REQUIRED	PROVIDED
10' buffer where residential adjacency exists	10' landscape buffer
=14 Shade Trees (3" caliper) or 14 Ornamental Trees	
10' buffer w/ 1 Large Tree per 50 L.F. where frontage abuts Arterial or Collector Street.	5 large trees in 10' buffer
250' / 50m = 5 large trees	

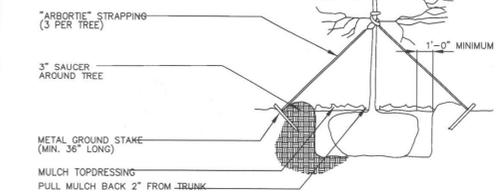
## PARKING LOT INTERIOR

REQUIRED	PROVIDED
TOTAL SPACES= 82	
TOTAL SQUARE FEET = 36,641	
5% (Min. 200 s.f.) of parking lot to be landscape	2,923 s.f. (8%)
36,641 s.f. x 5% = 1,832 s.f.	
1 Large Canopy Tree per 10 spaces	11 Large Canopy Trees
82/10 = 9 trees	
No space more than 80 feet from a tree	No space more than 80 feet from a tree

## LOT LANDSCAPING

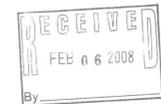
REQUIRED	PROVIDED
TOTAL LOT = 63,867 s.f.	
15% of lot to be landscape area. 50% of required landscape to be in front and side yards.	10,758 s.f. (16.8%)
63,867 x 15% = 9,580 s.f.	8,333 s.f. in Front and Side yards

NOTE: THIS DETAIL APPLIES TO ALL TREES 3" CALIPER AND GREATER.



**B** TREE GUYING DETAIL  
SCALE: N.T.S.

2008 002



**LAKE POINTE ORTHOPAEDICS & SPORTS  
MEDICINE MEDICAL OFFICE BUILDING**  
HORIZON RD  
ROCKWALL, TEXAS

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**SITE PLAN  
APPLICATION  
NOT FOR  
CONSTRUCTION**  
GARY D McCALLA  
TEXAS ARCHITECT  
LICENSE NO. 12519

DATE: 6 FEBRUARY 2008

REVISIONS

FILE COPY

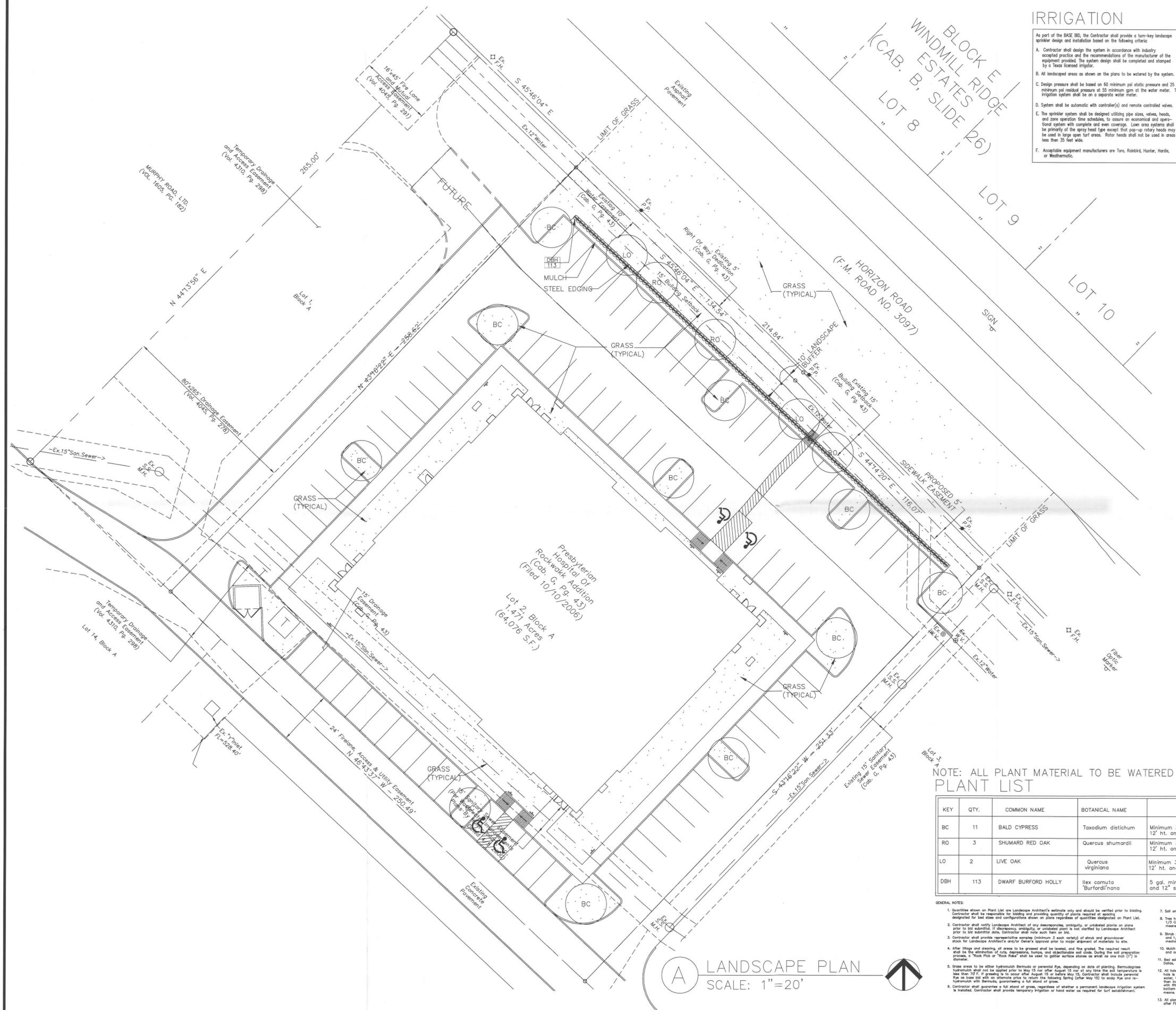
PROJ. NO: 7044A

SHEET TITLE:  
**LANDSCAPE  
PLAN**

SHEET NO.:  
**L1.1**

## IRRIGATION

- As part of the BASE BID, the Contractor shall provide a turn-key landscape sprinkler design and installation based on the following criteria:
- Contractor shall design the system in accordance with industry accepted practice and the recommendations of the manufacturer of the equipment provided. The system design shall be completed and stamped by a Texas licensed irrigator.
  - All landscaped areas as shown on the plans to be watered by the system.
  - Design pressure shall be based on 60 minimum psi static pressure and 25 minimum psi residual pressure at 35 minimum gpm of the water meter. The irrigation system shall be on a separate water meter.
  - System shall be automatic with controller(s) and remote controlled valves.
  - The sprinkler system shall be designed utilizing pipe sizes, valves, heads, and zone operation time schedules, to ensure an economical and operational system with complete and even coverage. Low area systems shall be priority of the spray head type except that pop-up rotary heads may be used in large open turf areas. Rotary heads shall not be used in areas less than 35 feet wide.
  - Acceptable equipment manufacturers are Toro, Rainbird, Hunter, Hards, or Weathermatic.



NOTE: ALL PLANT MATERIAL TO BE WATERED BY AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM

### PLANT LIST

KEY	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
BC	11	BALD CYPRESS	Taxodium distichum	Minimum 3" caliper; minimum 12' ht. and 5' spread.	Nursery-grown B&B, containerized, or container-grown; full head; MATCHED
RO	3	SHUMARD RED OAK	Quercus shumardii	Minimum 3" caliper; minimum 12' ht. and 5' spread.	Nursery-grown B&B, containerized, or container-grown; full head; MATCHED
LO	2	LIVE OAK	Quercus virginiana	Minimum 3" caliper; minimum 12' ht. and 5' spread.	Nursery-grown B&B, containerized, or container-grown; full head; MATCHED
DBH	113	DWARF BURFORD HOLLY	Ilex cornuta 'Burfordii' nana	5 gal. min. 15" ht. and 12" spread	Full-to-ground; plant 24" o.c.

- GENERAL NOTES:**
- Quantities shown on Plant List are Landscape Architect's estimate only and should be verified prior to bidding. Contractor shall be responsible for bidding and providing quantity of plants required as specified designated for bid items and configurations shown on plans regardless of quantities designated on Plant List.
  - Contractor shall notify Landscape Architect of any discrepancies, ambiguities, or unclarified items on plans prior to bid submission. If discrepancy, ambiguity, or unclarified items are not clarified by Landscape Architect prior to bid submission date, Contractor shall submit such items on bid.
  - Contractor shall provide representative samples (minimum 3 each variety) of shrub and groundcover stock for Landscape Architect's and/or Owner's approval prior to major shipment of materials to site.
  - After filing and clearing, all areas to be grassed shall be leveled, and free graded. The required result shall be the elimination of ruts, depressions, bumps, and obstructions and done during the soil preparation process. A "Stick Pick" or "Stick Hole" shall be used to gather surface stones on soil on one inch (1") in diameter.
  - Grass areas to be either hybridized Bermuda or perennial Ryegrass, depending on date of planting. Bermuda grass hybridized shall be applied prior to May 15 or after August 15 nor at any time the soil temperature is less than 50°F. Ryegrass shall be applied after August 15 or before May 15. Contractor shall include perennial Ryegrass or both for areas to be planted in the following Spring (after May 15) to seed Ryegrass and re-hybridized with Bermuda, guaranteeing a full stand of grass.
  - Contractor shall guarantee a full stand of grass, regardless of whether a permanent subsurface irrigation system is installed. Contractor shall provide temporary irrigation or hand water as required for turf establishment.
  - Soil amendment to be "Compost" as produced by UJAG Earth Technology (Phone: 872-869-4332), or approved equal.
  - The holes to be excavated 3" greater than soil diameter and 6" deeper. Backfill with 2/3 existing soil and 1/3 Compost (or approved equal) as noted under note 7, above, thoroughly blended by mechanical means prior to backfill.
  - Shrub pits shall be excavated 12" greater than container diameter and 6" deeper. Backfill with 1/2 existing soil and 1/2 Compost (or approved equal) as noted under note 7, above, thoroughly blended by mechanical means prior to backfill.
  - Mulch topdressing to be a minimum 2" layer shredded hardwood, spread uniformly on all shrub and groundcover beds and on all turf lawns.
  - Red edging (if applicable) to be 1 1/2" x 1 1/2" "Pyram" "Crested" edging as manufactured by Joseph Pyram Co., Inc. Dallas, Texas phone: 214.837.4710 or approved equal.
  - All holes for trees and large shrubs shall be tested for water retention prior to tree or shrub installation. After hole is excavated, it is to be filled with water to the top of the excavation. If after 24 hours, the hole still holds water, the Contractor shall excavate an additional 6" from the bottom of the hole. The Landscape Contractor shall then install 2" of active natural gravel coarse on the top (and up to a minimum of 12" on the sides or the hole) with other holes. The Contractor shall also install a coarse 3" diameter PVC pipe which will extend to the bottom of the hole to a depth of 3" above the proposed finish grade so the hole can be evacuated through mechanical means.
  - All staking (trees, shrubs, groundcover, and/or grass as applicable), to be guaranteed for a period of one year after Final Acceptance.

**A** LANDSCAPE PLAN  
SCALE: 1" = 20'

Notes: Job: Type:

# AVALUME



**GENERAL DESCRIPTION:** The EMCO Avalume is a rectangular area luminaire defined by its sleek rounded profile and rugged construction. The housing is one-piece, diecast aluminum and mounts directly to a pole or wall without the need of a separate support arm. The multi-coated arc-image duplicating optical systems provide IES Types 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. The Avalume luminaires are finished with a fade and abrasion resistant TGIC powdercoat.  
**CUTOFF PERFORMANCE:** Flat glass lens luminaires provide full cutoff performance.

## ORDERING

PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
AVA	1	F	250MH			HS

Enter the order code into the appropriate box above. Note: Genlco 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 contact the factory.

## CONFIGURATION

CONFIGURATION	DISTRIBUTION
1 Single Pole Mount	3 IES Type III
2 Twin Pole Mount at 180°	F IES Type IV Forward Throw
2@90 Twin Pole Mount at 90°	
3 3-way Pole Mount at 90°	
3@120 3-way Pole Mount at 120°	
4 4-way Pole Mount	
W Wall Mount	5 IES Type V
WS Wall Mount with Surface Conduit	MTS Medium Throw with Solite™ Lens Fluorescent only.

NOTE: Type III reflectors ship as Type F. Removal of an insert converts the reflector to Type 3.

## WATTAGE

WATTAGE	VOLTAGE
150HPS 100MH 250PSMH	120
250HPS 150MH 320PSMH (2)60CF	208
400HPS 175MH 350PSMH (3)42TRP	240
250MH 400PSMH	277
400MH	347
	480
	UNIV Fluorescent only.

1. Requires E129 - E29 mogul base lamp.  
2. Fluorescent luminaires feature electronic ballasts that accept 120V through 277V, 50Hz to 60Hz. Input. Specify "UNIV" voltage for 120V through 277V.

## FINISH

FINISH	OPTIONS (All are Field Installed)
BRP Bronze Paint	HS External House Side Shield
BLP Black Paint	LF In-Pole/In-Line Fusing Kit includes In-Line Fuses.
WP White Paint	PC Locking Type Photocontrol Receptacle w/Photocontrol Not available with 480V/PCR
NP Natural Aluminum Paint	PC Locking Type Photocontrol Receptacle
BGP Beige Paint	MF Mast Arm Fitter: Requires 2 3/8" O.D. Mast Arm.
OC Optional Color Paint Specify RAL designation or CC-RAL7034	PTF2 Pole Top Filter 2.375" X 4"
SC Special Color Paint Specify. Must supply color chip.	PTF3 Pole Top Filter 3" - 3.5" X 6"
	PTF4 Pole Top Filter 3.5" - 4" X 6"
	QS Quartz Standby 150w quartz maximum. Not available with 480V.
	QST Quartz Standby - Timed Delay 150w quartz maximum. Not available with 480V.
	WG Wire Guard
	POLY External Polycarbonate Shield 250w maximum.

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EMCO Lighting (800) 227-0758  
1611 Clovis Barker Road (512) 753-1000  
San Marcos, TX 78666 FAX: (512) 753-7855  
www.emco-lighting.com



Notes: Job: Type:

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**CUTOFF PERFORMANCE:** Flat glass lens luminaires provide full cutoff performance.

## ORDERING

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AVA	W	3	250MH			

Enter the order code into the appropriate box above. Note: Genlco 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 contact the factory.

## CONFIGURATION

CONFIGURATION	DISTRIBUTION
1 Single Pole Mount	3 IES Type III
2 Twin Pole Mount at 180°	F IES Type IV Forward Throw
2@90 Twin Pole Mount at 90°	
3 3-way Pole Mount at 90°	
3@120 3-way Pole Mount at 120°	
4 4-way Pole Mount	
W Wall Mount	5 IES Type V
WS Wall Mount with Surface Conduit	MTS Medium Throw with Solite™ Lens Fluorescent only.

NOTE: Type III reflectors ship as Type F. Removal of an insert converts the reflector to Type 3.

## WATTAGE

WATTAGE	VOLTAGE
150HPS 100MH 250PSMH	120
250HPS 150MH 320PSMH (2)60CF	208
400HPS 175MH 350PSMH (3)42TRP	240
250MH 400PSMH	277
400MH	347
	480
	UNIV Fluorescent only.

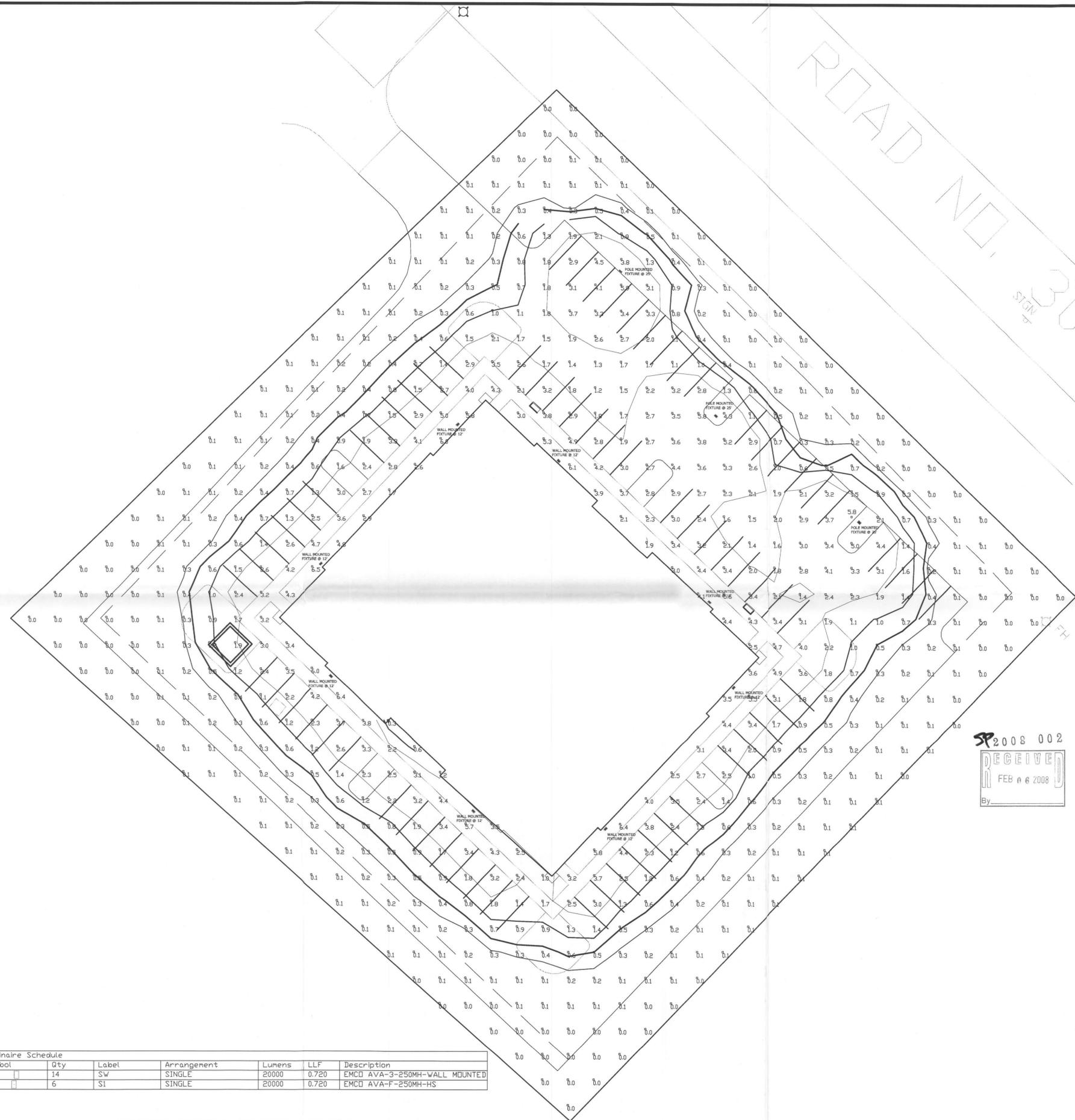
1. Requires E129 - E29 mogul base lamp.  
2. Fluorescent luminaires feature electronic ballasts that accept 120V through 277V, 50Hz to 60Hz. Input. Specify "UNIV" voltage for 120V through 277V.

## FINISH

FINISH	OPTIONS (All are Field Installed)
BRP Bronze Paint	HS External House Side Shield
BLP Black Paint	LF In-Pole/In-Line Fusing Kit includes In-Line Fuses.
WP White Paint	PC Locking Type Photocontrol Receptacle w/Photocontrol Not available with 480V/PCR
NP Natural Aluminum Paint	PC Locking Type Photocontrol Receptacle
BGP Beige Paint	MF Mast Arm Fitter: Requires 2 3/8" O.D. Mast Arm.
OC Optional Color Paint Specify RAL designation or CC-RAL7034	PTF2 Pole Top Filter 2.375" X 4"
SC Special Color Paint Specify. Must supply color chip.	PTF3 Pole Top Filter 3" - 3.5" X 6"
	PTF4 Pole Top Filter 3.5" - 4" X 6"
	QS Quartz Standby 150w quartz maximum. Not available with 480V.
	QST Quartz Standby - Timed Delay 150w quartz maximum. Not available with 480V.
	WG Wire Guard
	POLY External Polycarbonate Shield 250w maximum.

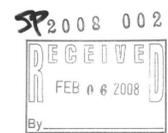
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Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
□	14	SW	SINGLE	20000	0.720	EMCO AVA-3-250MH-WALL MOUNTED
□	6	SI	SINGLE	20000	0.720	EMCO AVA-F-250MH-HS

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site_Planar	Illuminance	Fc	1.08	6.5	0.0	N/A	N/A
Site_I_Planar	Illuminance	Fc	1.22	6.5	0.0	N/A	N/A



**LAKE POINTE ORTHOPAEDICS & SPORTS MEDICINE MEDICAL OFFICE BUILDING**  
HORIZON RD  
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**SITE PLAN APPLICATION NOT FOR CONSTRUCTION**  
GARY D McALLA  
TEXAS ARCHITECT  
LICENSE NO. 12519

DATE: 6 FEBRUARY 2008

REVISIONS

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PROJ. NO: 7044A

SHEET TITLE:  
**PHOTOMETRIC STUDY**

SHEET NO.:

**ES1.1**