

14901 Quorum Drive Suite 300 Dallas Texas 75254 Ph. (972) 239-8884 Fax. (972) 239-5054



X MEXICAN RESTAURANT
LOT BEHIND
2901 VILLAGE DRIVE
ROCKWALL, TX 75087

FINISH CALC - WEST ELEV

EIFS PARAPET CORNICE

HARDY BOARD FACIA TRIM

SECONDARY MATERIALS TOTAL

MAIN ELEVATION STUCCO

COVERED PATIO STUCCO

COVERED ENTRY STUCCO

MASONRY STONE FIELD

MAIN ELEVATION MASONRY STONE WAINSCOT

COVERED PATIO MASONRY STONE WAINSCOT

COVERED ENTRY MASONRY STONE WAINSCOT

PRIMARY MATERIALS TOTAL

TOTAL GROSS ELEVATION AREA

TOTAL NET ELEVATION AREA

EIFS PARAPET CORNICE

HARDY BOARD FACIA TRIM

SECONDARY MATERIALS TOTAL

MASONRY STONE FIELD

MASONRY STONE WAINSCOT

PAINTED METAL TRASH GATES

TOTAL GROSS ELEVATION AREA

TOTAL NET ELEVATION AREA

PRIMARY MATERIALS TOTAL

WINDOWS/DOORS

WINDOWS/DOORS

ACCENT FEATURE

COLUMN/BASE/CAP

ACCENT TILE

FINISH CALC - EAST ELEV

WINDOWS/DOORS

WINDOWS/DOORS

ACCENT FEATURE

COLUMN/BASE/CAP

ACCENT TILE

AREA (SQ. FT.) NET %

80

50

244

235

259

10

220

(220)

AREA (SQ. FT.) NET 2

108

122

545

536

1,592

1,470 93%

1,226 90%

153 10%



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NO REVISION

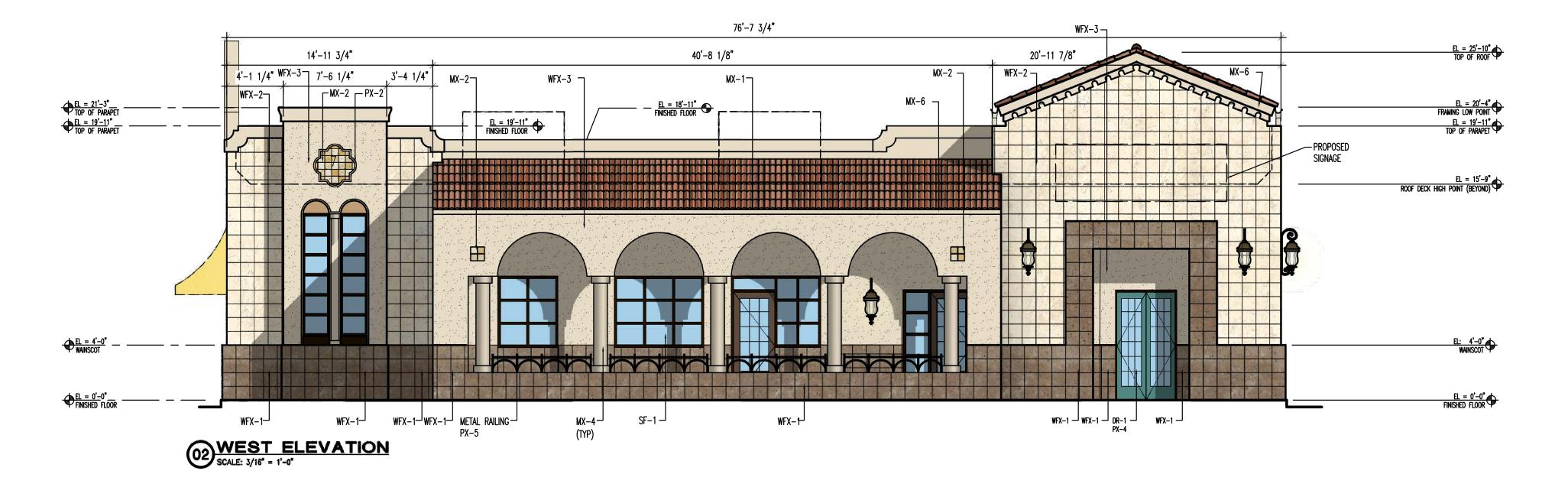
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PROJECT NUMBER

HEET NUMBER

SHEET NUMBER

04



+	20'-11 7/8" W	FX-2 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	70'-7 3/4" PROPOSED SIGNAGE	WFX-3 WFX-2	
EL = 25'-10" — — — — — — — MX-6 —	MX-2 10'-11 3/4" 20'-11 1/4"	32'-3 7/8" 19'-10 1/8"	TOP OF PARAPET	23'-4 1/8" 4'-0" 29'-10 1/4" MX-2	/
EL = 19'-11"	MX-1	- Company of the second of the			EL = 21'-3" TOP OF PARAPET EL = 19'-11" TOP OF PARAPET
EL = 15'-6" ROOF HIGH POINT					EL: 15'-0" TOP OF ROOF
EL = 12'-6" ROOF LOW POINT					EL: 14'-3" ROOF DECK LOW POINT (BEYOND) EL: 10'-0" TOP OF PARAPET
WFX-3					□ 4' 0" ±
EL = 4'-0" WAINSCOT EL = 0'-0" FINISHED FLOOR					EL: 4'-0" WAINSCOT EL = 0'-0" FINISHED FLOOR
6'-2	WFX-1- 10'-11 3/4" WFX-2- WFX-1- 3/4" WFX-1- SCALE: 3/16" = 1'-0"	31'-7 1/4" WFX-1	WFX-1-J 12'-8"	METAL TRASH 13'-6" SELF LATCHING ENCLOSURE HINGE ATT GATE TRASH GATE	1'-10 3/4"

INISH MATERIAL	SPECIFICATIONS

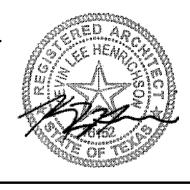
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CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS	CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS	CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS	CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS
MX-1	ROOF TILES	BORAL CLAY TILES	PALERMO BLEND. 1-PC "S" TILE.	-	PX-1	NOT USED			-	PX-7	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #7695 — EGGSHELL COLOR: MESA TAN — WAINSCOT / ACCENT	-	SF-1	STOREFRONT	KAWNEER NORTH AMERICA	CLASSIC BRONZE GLAZING: 1' CLEAR INSULATED LOW-E2 GLAZING -PPG "SOLARBAN 60 (2)" OR EQUAL	MAX EXTERIOR VISIBLE REFLECTIVITY OF 20%
MX-2	ACCENT WALL TILES	PORCELAIN STONE	A1101 SAND BOX, A1102 ROASTED MARSHMALLOW, A1105 YELLOW BRICK ROAD	-	PX-2	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6119 - EGGSHELL COLOR: ANTIQUE WHITE - FIELD	-	WFX-1	NATURAL/QUARRY STONE	TEXAS STONE CREATIONS	BROWN 12x12 TABACO	-	DR-1	EXTERIOR DOOR		HOLLOW METAL DOOR PER ELEVATION	HOLLOW METAL FRAME
MX-3	AWNINGS	SUNBRELLA	4635-0000 BUTTERCUP	-	PX-3	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6083 - EGGSHELL COLOR: SABLE - AT TRIM AND ACCENTS	-	WFX-2	NATURAL/QUARRY STONE	TEXAS STONE CREATIONS	WHITE 12x12 RIVIERA BEIGE	-	DR-2	PATIO GATE		CUSTOM METAL GATE. CUSTOM METAL GATE	-
MX-4	CUSTOM COLUMN	CHADSWORTH, INC.	D-CS-NT-PL-CUSTOM-CUSTOM, 12" DIA - 84" TALL COLOR: SMOOTH WHITE CONTACT: 800-265-8667, SALES@COLUMNS.COM	-	PX-4	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6480 - EGGSHELL COLOR: LAGOON - DOORS	-	WFX-3	STUCCO	PAREX USA, INC.	PRODUCT/FINISH: ARMOURWALL 100 WATERMASTER COLOR: INTEGRAL COLOR TO MATCH PAINT COLORS AS NOTED ON ELEVATIONS		DR-3	TRASH ENCLOSURE GATE		CUSTOM METAL GATE. COLOR PER ELEV	-
MX-5	CUSTOM COLUMN	CHADSWORTH, INC.	A-CS-NT-PL-CUSTOM-CUSTOM, 7" DIA - 114" TALL COLOR: SMOOTH WHITE CONTACT: 800-265-8667, SALES@COLUMNS.COM	-	PX-5	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6258 — EGGSHELL COLOR: TRICORN BLACK — IRONWORK	-	WFX-5	EIFS SYSTEM	PAREX USA, INC.	PRODUCT/FINISH: STANDARD WATERMASTER LCR EIFS, SMOOTH FINISH COLOR: INTEGRAL COLOR TO MATCH PAINT COLORS AS NOTED ON ELEVATIONS						
MX-6	FACIA	HARDY BOARD	1"X10" PAINTED PX-2		PX-6	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6067 - EGGSHELL	-										

X-TB-24X36 150484.DWG WG X-FRONT REAR ELEV ROCKWAL X-EXT FIN.DWG

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DRAWING NAME: 04 ELEVATIONS.DWG
LAYOUT: 04

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NO REVISION

PROJECT NUMBER

150484

SHEET NUMBER

FINISH CALC - NORTH ELEV AREA (SQ. FT.) NET EIFS PARAPET CORNICE 106 HARDY BOARD FACIA TRIM ACCENT FEATURE COLUMN/BASE/CAP ACCENT TILE SECONDARY MATERIALS TOTAL MASONRY STONE FIELD MASONRY STONE WAINSCOT PRIMARY MATERIALS TOTAL WINDOWS/DOORS TOTAL GROSS ELEVATION AREA (148) TOTAL NET ELEVATION AREA

FINISH CALC - SOUTH ELEV

MATERIAL

EIFS PARAPET CORNICE

ACCENT FEATURE

COLUMN/BASE/CAP

ACCENT TILE

STUCC0

HARDY BOARD FACIA TRIM

SECONDARY MATERIALS TOTAL

MASONRY STONE FIELD

MASONRY STONE WAINSCOT

PRIMARY MATERIALS TOTAL

TOTAL GROSS ELEVATION AREA

TOTAL NET ELEVATION AREA

WINDOWS/DOORS

WINDOWS/DOORS

AREA (SQ. FT.) NET

24

149 7%

444

840

596

157

(157)

2,186

SP-20-16-001

1,880 93%

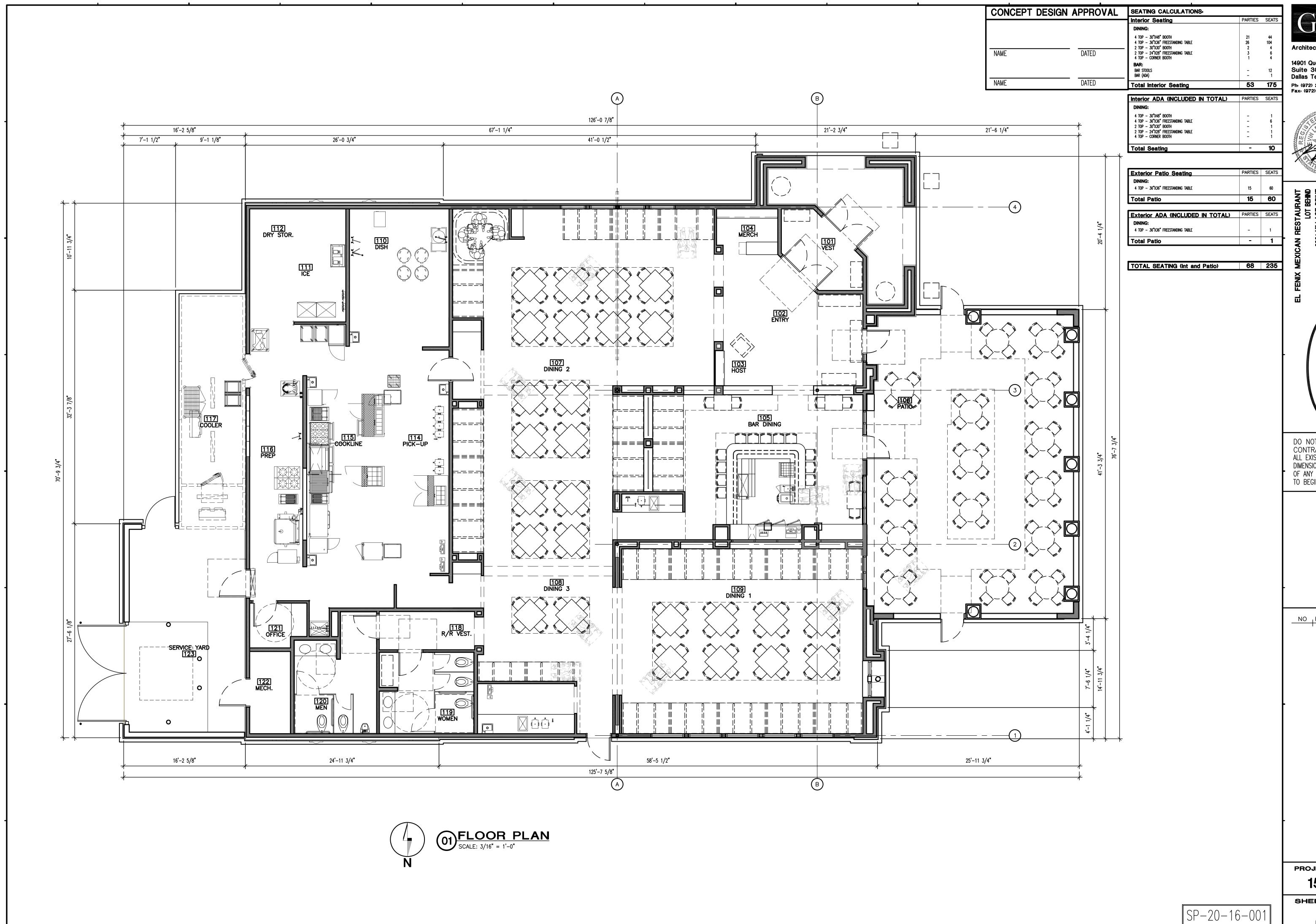
	_k		125'-7	1/2"			<u> </u>
	16'-2 5/8"	25'-8 1/2"		57'-8 3/4"	L	25'-11 3/4"	1
	7'-1 3/8" 9'-1 1/8"	1 *	22'-0"	36'-5 1/2 "	1		1
EL = 25'-10" TOP OF ROOF		PROPOSED SIGNAGE MX-2 MX-2		AW-1 - WFX-2-	21'-2 3/4"		
EL = 19'-11" TOP OF PARAPET	WFX-3-7 WFX-3-7		EL = 19'-11" TOP OF PARAPET WFX-2			WFX-3 MX-6 ¬	EL = 21'-3" TOP OF PARAPET EL = 19'-11" TOP OF PARAPET EL = 18'-11" TOP OF PARAPET
EL = 15'-6" ROOF HIGH POINT EL = 12'-6" ROOF LOW POINT							EL = 12'-8" ROOF LOW POINT
FL = 10'-0" TOP OF WALL							ROOF LOW POINT
EL = 4'-0" — WAINSCOT							EL = 4'-0" WAINSCOT
FINISHED FLOOR	WFX-1-	PX-2 — WFX-1 — MX-2	WFX-1 DR-1 PX-3 NORTH ELEVAT SCALE: 3/16" = 1"-0"	WFX-1	WFX-1	METAL DR-2 MX-4 WFX-1 METAL RAILING PX-5 PX-5	EL = 0'-0" FINISHED FLOOR
			SCALE: 3/16" = 1'-0"				

				125'-7 1/2"			
1	21'-6 1/4"	21'-2 3/4"	ı.	41'-0 1/2"	 26'-0 3/4"	16'-2 5/8"	
1	,	MX-1 ¬	10'-10 3/8"	30'-2 1/8"		9'-1 1/8" 7'-1 1/2"	<u>.</u>
EL = 25'-10" TOP OF ROOF	MX-6-		PROPOSED SIGNAGE MX-2 WFX-3	AW-1 $\overline{EL} = 20'-2 \frac{1/2"}{\text{Finished Floor}}$ $E\underline{L} = 18'-2 \frac{1}{2} = 18'-$	 MX-2 MX-2		$\frac{EL}{TOP} = \frac{27'-0"}{FROOF}$
PATIO ROOF HIGH POINT	WFX-3						EL = 18'-11" TOP OF PARAPET
EL = 15'-9" MAIN ROOF HIGH POINT	WFX-3					WFX-3	CLAY TILE ROOF HIGH POINT EL = 14'-3" MAIN ROOF LOW POINT
EL = 12'-8" PATIO ROOF LOW POINT	EL = 12'-0" TOP OF STONE						CLAY TILE ROOF LOW POINT $ \frac{EL = 12'-6"}{TOP OF WALL} $
EL = 4'-0"—	MX-4						
EL = 0'-0" FINISHED FLOOR							FINISHED FLOOR
	WFX-1 METAL DR-2 METAL W RAILING PT-5 RAILING PT-5 PT-5	√FX-1	WFX-1-J SF	_{F-1} _	WFX-1 $PX-2$ $PX-3$	WFX-1-J DR-1 J PX-3	
	PT-5 PT-5	1.0. 1		SCALE: 3/16" = 1'-0"	MX-2		

									FINISH MATERIAL	L SPEC	IFICATIONS									1
CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS	CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS	CODE	PRODUCT	MANUFACTURER	PATTERN/ COLOR REMARKS	СО	DE PRODU	DUCT	MANUFACTURER	PATTERN/ COLOR	REMARKS	<i>i</i>
MX-1	ROOF TILES	BORAL CLAY TILES	PALERMO BLEND. 1—PC "S" TILE.	-	PX-1	NOT USED			-	PX-7	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #7695 — EGGSHELL — COLOR: MESA TAN — WAINSCOT / ACCENT	S	-1 STORI	REFRONT	KAWNEER NORTH AMERICA	Classic Bronze Glazing: 1' Clear insulated Low—E2 Glazing —PPG "Solarban 60 (2)" or Equal	MAX EXTERIOR VISIBLE REFLECTIVITY OF 20%	ıl
MX-2	ACCENT WALL TILES	PORCELAIN STONE	A1101 SAND BOX, A1102 ROASTED MARSHMALLOW, A1105 YELLOW BRICK ROAD	-	PX-2	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6119 — EGGSHELL COLOR: ANTIQUE WHITE — FIELD	-	WFX-1	NATURAL/QUARRY STON	E TEXAS STONE CREATIONS	BROWN 12x12 TABACO -	D	!-1 EXTER	ERIOR DOOR		HOLLOW METAL DOOR PER ELEVATION	HOLLOW METAL FRAME	
MX-3	AWNINGS	SUNBRELLA	4635-0000 BUTTERCUP	-	PX-3	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6083 - EGGSHELL COLOR: SABLE - AT TRIM AND ACCENTS	-	WFX-2	NATURAL/QUARRY STON	E TEXAS STONE CREATIONS	WHITE 12x12 RIVIERA BEIGE -	D	2-2 PATIO	10 gate		CUSTOM METAL GATE. CUSTOM METAL GATE	-	
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MX-6	FACIA	HARDY BOARD	1"X10" PAINTED PX-2	-	PX-6	PAINT	SHERWIN WILLIAMS	PRODUCT/FINISH: SW #6067 - EGGSHELL COLOR: MOCHA - PATIO WALL	-											ıl

•			
	CODE	PRODUCT	MANUFACTI
	MX-1	ROOF TILES	BORAL CL
	MX-2	ACCENT WALL TILES	PORCELAI
	MX-3	AWNINGS	SUNBRELI
	MX-4	CUSTOM COLUMN	CHADSWO
	MX-5	CUSTOM COLUMN	CHADSWO

DATE OF THIS PRINTING - 11/11/2014



GILA

Architecture / Development

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CKWALL, TX 75087

ROCKW,

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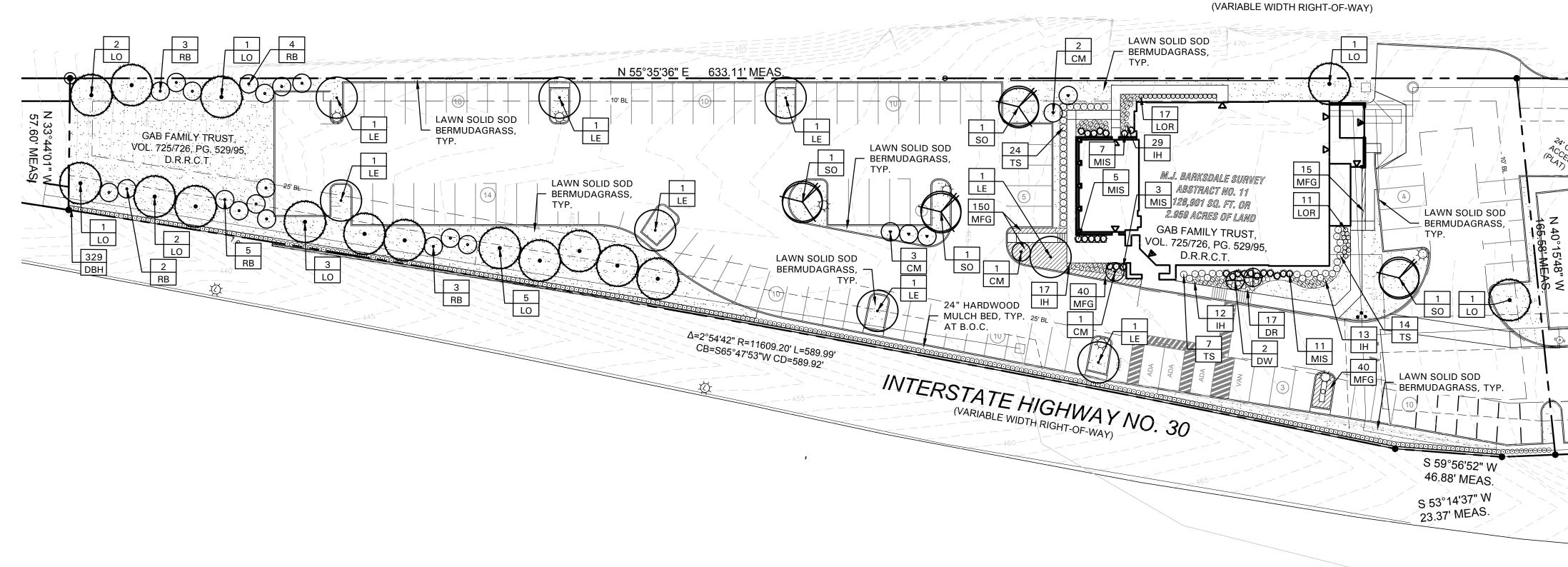
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PROJECT NUMBER
150484

SHEET NUMBER

03



PLANT LIST

SYMBOL	BOTANICAL NAME TREES	COMMON NAME	QTY.	SIZE	REMARKS
CM	Lagerstroemia indica 'Natchez'	Crepe Myrtle 'Natchez'	7	30 gal.	container grown, 3-5 trunk, no cross canes, 8' ht., 4' spread, matching
DW	Chilopsis linearis	Desert Willow	2	30 gal.	container grown, 8' ht. min., 4' spread min.
LE	Ulmus parvifolia 'Sempervirens'	Lacebark Elm	8	4" cal.	container grown, 15' ht., 5' spread, 5' branching ht., matching
LO	Quercus virginiana	Live Oak	16	4" cal.	container grown, 15' ht., 5' spread, 5' branching ht., matching
RB	Cercis canadensis 'Oklahoma'	Oklahoma Redbud	17	30 gal.	container grown, 8' ht., 4' spread min.
SO	Quercus shumardii	Shumard Red Oak	4	4" cal.	container grown, 15' ht., 5' spread, 5' branching ht., matching
	SHRUBS/GROUNDCOVER				
DBH	Ilex cornuta 'Burfordii Nana'	Dwarf Burford Holly	329	5 gal.	container full, 24" spread, 24" o.c.
DR	Rosa 'Red Drift'	Red Drift Rose	17	5 gal.	container full, 24" spread, 20" ht., 24" o.c.
IH	Raphiolepsis indica 'Clara'	Indian Hawthorne 'Clara'	71	5 gal.	container full, 20" spread, 24" o.c.
LOR	Loropetalum chinense 'Purple Diamond'	Loropetalum 'Purple Diamond'	28	5 gal.	container full, 20" spread, 24" o.c.
MFG	Nassella tenuissima	Mexican Feathergrass	245	1 gal.	container full, 18" o.c.
MIS	Miscanthus sinensis 'Adagio'	Miscanthus 'Adagio'	26	5 gal.	container full, 36" o.c.
TS	Leucophyllum frutescens 'Green Cloud'	Texas Sage 'Green Cloud'	45	5 gal.	container full, 20" spread, 36" o.c.

NOTE: ALL TREES SHALL HAVE STRAIGHT TRUNKS AND BE MATCHING WITHIN VARIETIES. 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.

SITE	DATA TABLE	
ONING: COMMERCIAL WITH I.H.	30 OVERLAY	
ROPOSED USE: RESTAURANT		
TE AREA 1.66 ACRES	72,415 SF	
UILDING FOOTPRINT	7,642 SF	10.6%
THER IMPERVIOUS AREA	45,700 SF	63.1%
OTAL IMPERVIOUS AREA	53,342 SF	73.7%
PEN SPACE (15% REQUIRED)	18,214 SF	25.2%
JILDING TYPE:		
UILDING HEIGHT: 1 STORY, 25' 10	0"	
ARKING REQUIREMENT: (1 STAL	1/100 SQ FT)	77 SPACES
ARKING REQUIREMENT: (1STALI		
EQUIRED PARKING		77 SPACES
ARKING PROVIDED:		
ADA ACCESSIBLE		5 SPACES
REGULAR		96 SPACES
TOTAL PROVIDED		101 SPACES

LANDSCAPE TABULATIONS THE CITY OF ROCKWALL, TEXAS

STREET LANDSCAPING 1. 20' wide landscape buffer with three (3) canopy trees, 4" cal., and four (4) accent trees, 4' ht., per 100 l.f. where adjacent to IH-30 right of way.

30" tall shrub screen.

IH-30: 660 l.f. Required Provided 20' landscape buffer N/A (20) canopy trees, 4" cal. (20) trees, 4" cal. (26) accent trees, 4' ht. (26) accent trees, 30 gal.

PARKING LOT LANDSCAPING

5% percent of the total parking lot shall be landscaped. 2. One (1) large canopy tree, 4" cal., per 10 required parking spaces.

> Total parking lot: 41,271 s.f. Total Parking: 101 Required Parking: 77

Required 2,064 s.f. (5%) 2,912 s.f. (7%) (8) canopy trees, 4" cal. (8) canopy trees, 4" cal.

SITE LANDSCAPING

1. 15% of the total site shall be landscaped for COMMERCIAL.

50% of the total requirements shall be located in the front of and along side buildings for COMMERCIAL.

Total site: 1.66 AC; 72,415 s.f. Required

10,862 s.f. (15%) 5,431 s.f. (50%)

GENERAL TREE SURVEY NOTE: NO EXISTING TREES LOCATED ON SITE

NO TREES WITHIN 5' - 0" OF ANY UTILITIES

Provided

19,388 s.f.

18,214 s.f. (25%)

LANDSCAPE NOTES

- 1. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. SURVEY DATA OF EXISTING CONDITIONS WAS SUPPLIED BY OTHERS.
- 2. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF UNDERGROUND UTILITIES.
- 3. CONTRACTOR SHALL PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES.
- 4. CONTRACTOR SHALL FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS AS INDICATED. LEAVE AREAS TO RECEIVE TOPSOIL 3" BELOW FINAL FINISHED GRADE IN PLANTING AREAS AND 1" BELOW FINAL FINISHED GRADE IN LAWN AREAS.
- 5. ALL PLANTING BEDS AND LAWN AREAS SHALL BE SEPARATED BY STEEL EDGING. NO STEEL EDGING SHALL BE INSTALLED ADJACENT TO BUILDINGS, WALKS, OR CURBS. CUT STEEL EDGING AT 45 DEGREE ANGLE WHERE IT INTERSECTS WALKS AND CURBS.
- 6. TOP OF MULCH SHALL BE 1/2" MINIMUM BELOW THE TOP OF WALKS AND CURBS.
- 7. ALL LAWN AREAS SHALL BE SOLID SOD BERMUDAGRASS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 8. ALL REQUIRED LANDSCAPE AREAS SHALL BE PROVIDED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM WITH RAIN AND FREEZE SENSORS AND EVAPOTRANSPIRATION (ET) WEATHER-BASED CONTROLLERS AND SAID IRRIGATION SYSTEM SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL AND INSTALLED BY A LICENSED IRRIGATOR.
- 9. CONTRACTOR SHALL PROVIDE BID PROPOSAL LISTING UNIT PRICES FOR ALL MATERIAL PROVIDED.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPE AND IRRIGATION PERMITS.

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

GENERAL LAWN NOTES

- 1. CONTRACTOR SHALL COORDINATE OPERATIONS AND AVAILABILITY OF EXISTING TOPSOIL WITH ON-SITE CONSTRUCTION MANAGER.
- 2. CONTRACTOR SHALL LEAVE LAWN AREAS 1" BELOW FINAL FINISHED GRADE PRIOR TO TOPSOIL INSTALLATION.
- 3. CONTRACTOR SHALL FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS AS INDICATED ON CIVIL PLANS. ADJUST CONTOURS TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
- 4. ALL LAWN AREAS SHALL BE FINE GRADED, IRRIGATION TRENCHES COMPLETELY SETTLED AND FINISH GRADE APPROVED BY THE OWNER'S CONSTRUCTION MANAGER OR LANDSCAPE ARCHITECT PRIOR TO LAWN INSTALLATION.
- 5. CONTRACTOR SHALL REMOVE ALL ROCKS 3/4" DIAMETER AND LARGER, DIRT CLODS, STICKS, CONCRETE SPOILS, ETC. PRIOR TO PLACING TOPSOIL AND LAWN INSTALLATION.
- 6. CONTRACTOR SHALL MAINTAIN ALL LAWN AREAS UNTIL FINAL ACCEPTANCE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: MOWING, WATERING, WEEDING, CULTIVATING, CLEANING AND REPLACING DEAD OR BARE AREAS TO KEEP PLANTS IN A VIGOROUS, HEALTHY CONDITION.
- 7. CONTRACTOR SHALL GUARANTEE ESTABLISHMENT OF ACCEPTABLE TURF AREA AND SHALL PROVIDE REPLACEMENT FROM LOCAL SUPPLY IF NECESSARY.

SOLID SOD NOTES

- 1. PLANT SOD BY HAND TO COVER INDICATED AREAS COMPLETELY. ENSURE EDGES OF SOD ARE TOUCHING. TOP DRESS JOINTS BY HAND WITH TOPSOIL TO FILL
- 2. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE, FREE FROM UNNATURAL UNDULATIONS.
- 3. WATER SOD THOROUGHLY AS SOD OPERATION PROGRESSES.
- 4. IF INSTALLATION OCCURS BETWEEN SEPTEMBER 1 AND MARCH 1, OVER-SEED BERMUDAGRASS SOD WITH WINTER RYEGRASS, AT A RATE OF FOUR (4) POUNDS PER ONE THOUSAND (1000) SQUARE FEET.

4245 North Central Expy

• Suite 501

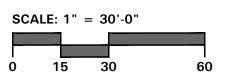
Dallas, Texas 75205 • 214.865.7192 office

LANDSCAPE PLAN

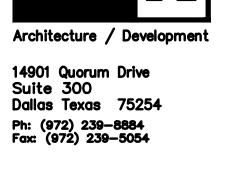
SHEET NUMBER

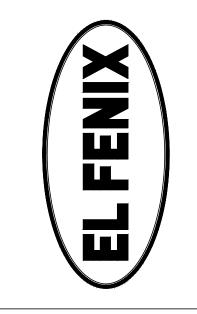
PROJECT NUMBER

SUBMITTAL 02/02/16









DO NOT SCALE DRAWINGS CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS-NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION



NO REVISION

PART 1 - GENERAL

1.1 REFERENCED DOCUMENTS

A. Refer to Landscape Plans, notes, details, bidding requirements, special provisions, and schedules for additional requirements.

1.2 DESCRIPTION OF WORK

- A. Work included: Furnish all supervision, labor, materials, services, equipment and appliances required to complete the work covered in conjunction with the landscaping covered in these specifications and landscaping plans, including:
- 1. Planting (trees, shrubs and grasses)
- 2. Bed preparation and fertilization
- 3. Notification of sources
- 4. Water and maintenance until final acceptance
- Guarantee

1.3 REFERENCE STANDARDS

- A. American Standard for Nursery Stock published by American Association of Nurserymen: 27 October 1980, Edition; by American National Standards Institute, Inc. (Z60.1) – plant
- B. American Joint Committee on Horticultural Nomenclature: 1942 Edition of Standardized Plant Names.
- C. Texas Association of Nurserymen, Grades and Standards
- D. Hortis Third, 1976 Cornell University

1.4 NOTIFICATION OF SOURCES AND SUBMITTALS

A. Samples: Provide representative quantities of sandy loam soil, mulch, bed mix material, gravel and crushed stone. Samples shall be approved by Owner's Authorized Representative before use on the project.

1.5 JOB CONDITIONS

- A. General Contractor to complete the following punch list: Prior to 1.7 QUALITY ASSURANCE Landscape Contractor initiating any portion of landscape installation, General Contractor shall leave planting bed areas three (3") inches below final finish grade of sidewalks, drives and curbs as shown on the drawings. All lawn areas to receive solid sod shall be left one (1") inch below the final finish grade of sidewalks, drives and curbs. All construction debris shall be removed prior to Landscape Contractor beginning any work.
- B. Storage of materials and equipment at the job site will be at the risk of the Landscape Contractor. The Owner cannot be held responsible for theft or damage.

1.6 MAINTENANCE AND GUARANTEE

A. Maintenance:

- 1. The Landscape Contractor shall be held responsible for the maintenance of all work from the time of planting until final acceptance by the Owner. No trees, shrubs, groundcover or grass will be accepted unless they show healthy growth and satisfactory foliage conditions.
- 2. Maintenance shall include watering of trees and plants, cultivation, weeding spraying, edging, pruning of trees, mowing of grass, cleaning up and all other work necessary of maintenance.
- 3 A written notice requesting final inspection and acceptance should be submitted to the Owner at least seven (7) days prior to completion. An on-site inspection by the Owner's Authorized Representative will be completed prior to written acceptance.

B. Guarantee:

- 1. Trees, shrubs and groundcover shall be guaranteed for a twelve (12) month period after final acceptance. The Contractor shall replace all dead materials as soon as weather permits and upon notification of the Owner. Plants, including trees, which have partially died so that shape, size, or symmetry have been damaged, shall be considered subject to replacement. In such cases, the opinion of the Owner shall be final.
- a. Plants used for replacement shall be of the same size and kind as those originally planted and shall be planted as originally specified. All work, including materials, labor and equipment used in replacements, shall carry a twelve (12) month guarantee. Any damage, including ruts in lawn or bed areas, incurred as a result of making replacements shall be immediately repaired.
- b. At the direction of the Owner, plants may be replaced at the start of the next year's planting season. In such
- c. When plant replacements are made, plants, soil mix, fertilizer and mulch are to be utilized as originally specified and re-inspected for full compliance with the contract requirements. All replacements are to be included under "Work" of this section.
- 2. The Owner agrees that for the guarantee to be effective, he will water plants at least twice a week during dry periods and cultivate beds once a month after final acceptance.
- 3. The above guarantee shall not apply where plants die after acceptance because of injury from storms, hail, freeze, insects, diseases, injury by humans, machines or theft.
- 4. Acceptance for all landscape work shall be given after final inspection by the Owner provided the job is in a complete. undamaged condition and there is a stand of grass in all lawn areas. At that time, the Owner will assume maintenance on the accepted work.
- Repairs: Any necessary repairs under the Guarantee must be made within ten (10) days after receiving notice, weather permitting. In the event the Landscape Contractor does not make repairs accordingly, the Owner, without further notice to Contractor, may provide materials and men to make such repairs at the expense to the Landscape Contractor.

- General: Comply with applicable federal, state, county and local regulations governing landscape materials and work.
- Personnel: Employ only experienced personnel who are familiar with the required work. Provide full time supervision by a qualified foreman acceptable to Landscape Architect.
- Selection of Plant Material: Make contact with suppliers immediately upon obtaining notice of contract acceptance to select and book materials. Develop a program of maintenance (pruning and fertilization) which will ensure the purchased materials will meet and / or exceed project specifications.
- 2. Substitutions: Do not make plant material substitutions. If the specified landscape material is not obtainable, submit proof of non-availability to Landscape Architect together with proposal for use of equivalent material. At the time bids are submitted, the Contractor is assumed to have located the materials necessary to complete the job as specified.
- 3. Landscape Architect will provide a key identifying each tree location on site. Written verification will be required to document material selection, source and delivery schedules to site.
- 4. Measurements: Measure trees with branches and trunks or canes in their normal position. Do not prune to obtain required sizes. Take caliper measurements six inches above ground for trees up to and including 4" caliper size, and twelve inches above ground for larger sizes. Measure main body of all plant material of height and spread dimensions,

do not measure from branch or root tip-to-tip.

- 5. Owner's Authorized Representative shall inspect all plant material with requirements for genus, species, cultivar / variety size and quality.
- 6. Owner's Authorized Representative retains the right to further inspect all plant material upon arrival to the site and during installation for size and condition of root balls and root systems, limbs, branching habit, insects, injuries and
- 7. Owner's Authorized Representative may reject unsatisfactory or defective material at any time during the process work. Remove rejected materials immediately from the site and replace with acceptable material at no additional

cases, dead plants shall be removed from the premises 1.8 PRODUCT DELIVERY, STORAGE AND HANDLING

shall be rejected.

A. Preparation:

Balled and Burlapped (B&B) Plants: Dig and prepare shipment in a manner that will not damage roots, branches, shape and future development.

cost to the Owner. Plants damaged in transit or at job site

2. Container Grown Plants: Deliver plants in rigid container to hold ball shape and protect root mass.

- 1. Deliver packaged materials in sealed containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored
- 2. Deliver only plant materials that can be planted in one day unless adequate storage and watering facilities are available on job site.
- 3. Protect root balls by heeling in with sawdust or other approved moisture retaining material if not planted within 24 hours of delivery.
- 4. Protect plants during delivery to prevent damage to root balls or desiccation of leaves. Keep plants moist at all times. Cover all materials during transport.
- 5. Notify Owner's Authorized Representative of delivery schedule 72 hours in advance job site.
- 6. Remove rejected plant material immediately from job site.
- 7. To avoid damage or stress, do not lift, move, adjust to plumb, or otherwise manipulate plants by trunk or stems. PART 2 - PRODUCTS

2.1 PLANTS

TREE PLANTING DETAIL LEGEND

A. TREE: TREES SHALL CONFORM WITH

C. ROOT BALL: REMOVE TOP $\frac{1}{3}$ BURLAP

INSPECTED FOR GIRDLING ROOTS.

D. ROOT FLARE: ENSURE THAT ROOT

AND ANY OTHER FOREIGN OBJECT;

CONTAINER GROWN STOCK TO BE

FLARE IS EXPOSED, FREE FROM MULCH,

AND AT LEAST TWO INCHES ABOVE

GRADE. TREES SHALL BE REJECTED

LATEST AMERICAN STANDARD FOR

AND NOTES

- A. General: Well-formed No. 1 grade or better nursery grown stock. Listed plant heights are from tops of root balls to nominal tops of plants. Plant spread refers to nominal outer width of the plant, not to the outer leaf tips. Plants will be individually approved by the Owner's Authorized Representative and his decision as to their acceptability shall be final.
- Quantities: The drawings and specifications are complimentary. 2.3 MISCELLANEOUS MATERIALS Anything called for on one and not the other is as binding as if shown and called for on both. The plant schedule is an aid to bidders only. Confirm all quantities on plan.
- C. Quality and size: Plant materials shall conform to the size given on the plan, and shall be healthy, symmetrical, well-shaped, full branched and well rooted. The plants shall be free from injurious insects, diseases, injuries to the bark or roots, broken branches, objectionable disfigurements, insect eggs and larvae, and are to
- D. Approval: All plants which are found unsuitable in growth, or are in any unhealthy, badly shaped or undersized condition will be rejected by the Owner's Authorized Representative either before or after planting and shall be removed at the expense of the Landscape Contractor and replaced with acceptable plant as

specified at no additional cost to the Owner.

- E. Trees shall be healthy, full-branched, well-shaped, and shall meet the minimum trunk and diameter requirements of the plant schedule. Balls shall be firm, neat, slightly tapered and well wrapped in burlap. Any tree loose in the ball or with a broken PART 3 - EXECUTION root ball at time of planting will be rejected. Balls shall be ten (10") inches in diameter for each one (1") inch of trunk diameter, 3.1 BED PREPARATION & FERTILIZATION measured six (6") inches above ball. (Nomenclature confirms to the customary nursery usage. For clarification, the term 'multi-trunk" defines a plant having three (3) or more trunks of nearly equal diameter.)
- Pruning: All pruning of trees and shrubs, as directed by the Landscape Architect prior to final acceptance, shall be executed by the Landscape Contractor at no additional cost to the Owner.

2.2 SOIL PREPARATION MATERIALS

A. Sandy Loam:

- Friable, fertile, dark, loamy soil, free of clay lumps, subsoil, stones and other extraneous material and reasonably free of weeds and foreign grasses. Loam containing Dallasgrass or Nutgrass shall be rejected.
- 2. Physical properties as follows: a. Clay – between 7-27 percent b. Silt – between 15-25 percent
- c. Sand less than 52 percent 3. Organic matter shall be 3%-10% of total dry weight.
- 4. If requested, Landscape Contractor shall provide a certified soil analysis conducted by an approved soil testing laboratory verifying that sandy loam meets the above requirements.
- Organic Material: Compost with a mixture of 80% vegetative matter and 20% animal waste. Ingredients should be a mix of 3.2 INSTALLATION course and fine textured material.
- Premixed Bedding Soil as supplied by Vital Earth Resources, Gladewater, Texas; Professional Bedding Soil as supplied by Living Earth Technology, Dallas, Texas or Acid Gro Municipal Mix as supplied by Soil Building Systems, Dallas, Texas or approved
- D. Sharp Sand: Sharp sand must be free of seeds, soil particles and
- Mulch: Double Shredded Hardwood Mulch, partially decomposed, dark brown. Living Earth Technologies or approved equal.
- F. Organic Fertilizer: Fertilaid, Sustane, or Green Sense or equal as recommended for required applications. Fertilizer shall be delivered to the site in original unopened containers, each bearing the manufacturer's guaranteed statement of analysis.
- G. Commercial Fertilizer: 10-20-10 or similar analysis. Nitrogen source to be a minimum 50% slow release organic Nitrogen (SCU or UF) with a minimum 8% sulfur and 4% iron, plus
- H. Peat: Commercial sphagnum peat moss or partially decomposed shredded pine bark or other approved organic material.

approved equal.

- A. Steel Edging: All steel edging shall be 3/16" thick x 4" deep x 16' long with 6 stakes per section, painted black at the factory as manufactured by The J.D. Russell Company and under its trade name DURAEDGE Heavy Duty Steel.
- B. Staking Material for Shade Trees: refer to details.
- C. Gravel: Washed native pea gravel, graded 1 inch to 1-1/2 inch. D. Filter Fabric: 'Mirafi Mirascape' by Mirafi Construction Products available at Lone Star Products, Inc., (469) 523-0444 or
- E. River Rock: 'Colorado' or native river rock, 2" 4" dia.

F. Decomposed Granite: Base material shall consist of a natural material mix of granite aggregate not to exceed 1/8" diameter in size and shall be composed of various stages of decomposed

earth base.

- Landscape Contractor to inspect all existing conditions and report any deficiencies to the Owner.

B. All planting areas shall be conditioned as follows:

- 1. Prepare new planting beds by scraping away existing grass and weeds as necessary. Till existing soil to a depth of six (6") inches prior to placing compost and fertilizer. Apply fertilizer as per Manufacturer's recommendations. Add six (6") inches of compost and till into a depth of six (6") inches of the topsoil. Apply organic fertilizer such as Sustane or Green Sense at the rate of twenty (20) pounds per one thousand (1,000) square feet.
- 2. All planting areas shall receive a two (2") inch layer of specified mulch.
- 3. Backfill for tree pits shall be as follows: Use existing top soil on site (use imported topsoil as needed) free from large clumps, rocks, debris, caliche, subsoils, etc., placed in nine (9") inch layers and watered in thoroughly.

C. Grass Areas:

1. Blocks of sod should be laid joint to joint (staggered joints) after fertilizing the ground first. Roll grass areas to achieve a smooth, even surface. The joints between the blocks of sod should be filled with topsoil where they are evidently gaped open, then watered thoroughly.

- A. Maintenance of plant materials shall begin immediately after each plant is delivered to the site and shall continue until all construction has been satisfactorily accomplished.
- Plant materials shall be delivered to the site only after the beds are prepared and areas are ready for planting. All shipments of nursery materials shall be thoroughly protected from the drying winds during transit. All plants which cannot be planted at once, after delivery to the site, shall be well protected against the possibility of drying by wind and Balls of earth of B & B plants shall be kept covered with soil or other acceptable material. All plants remain the property of the Contractor until final acceptance.
- Position the trees and shrubs in their intended location as per
- D. Notify the Owner's Authorized Representative for inspection and approval of all positioning of plant materials.
- Excavate pits with vertical sides and horizontal bottom. Tree pits shall be large enough to permit handling and planting without injury to balls of earth or roots and shall be of such depth that, when planted and settled, the crown of the plant shall bear the same relationship to the finish grade as it did to soil surface in original place of growth.
- Shrub and tree pits shall be no less than twenty-four (24") inches wider than the lateral dimension of the earth ball and six (6") inches deeper than it's vertical dimension. Remove and haul from site all rocks and stones over three-quarter (3/4") inch in diameter. Plants should be thoroughly moist before removing 3.3 CLEANUP AND ACCEPTANCE
- G. Dig a wide, rough sided hole exactly the same depth as the height of the ball, especially at the surface of the ground. The
- H. Percolation Test: Fill the hole with water. If the water level does not percolate within 24 hours, the tree needs to move to another END OF SECTION location or have drainage added. Install a PVC stand pipe per

- tree planting detail as approved by the Landscape Architect if the percolation test fails.
- Backfill only with 5 parts existing soil or sandy loam and 1 part bed preparation. When the hole is dug in solid rock, topsoil from the same area should not be used. Carefully settle by watering to prevent air pockets. Remove the burlap from the top $\frac{1}{2}$ of the ball, as well as all nylon, plastic string and wire. Container trees will usually be root bound, if so follow standard nursery practice

J. Do not wrap trees

- K. Do not over prune. Mulch the top of the ball. Do not plant grass all the way to the
- trunk of the tree. Leave the area above the top of the ball and mulch with at least two (2") inches of specified mulch.
- M. All plant beds and trees to be mulched with a minimum settled thickness of two (2") inches over the entire bed or pit. N. Obstruction below ground: In the event that rock, or
- underground construction work or obstructions are encountered in any plant pit excavation work to be done under this section, alternate locations may be selected by the Owner. Where locations cannot be changed, the obstructions shall be removed to a depth of not less than three (3') feet below grade and no less than six (6") inches below the bottom of ball when plant is properly set at the required grade. The work of this section shall include the removal from the site of such rock or underground obstructions encountered at the cost of the Landscape Contractor.
- Trees and large shrubs shall be staked as site conditions require. Position stakes to secure trees against seasonal prevailing winds.
- Pruning and Mulching: Pruning shall be directed by the Landscape Architect and shall be pruned in accordance with standard horticultural practice following Fine Pruning, Class I
- 1. Dead wood, suckers, broken and badly bruised branches shall be removed. General tipping of the branches is not permitted. Do not cut terminal branches.

pruning standards provided by the National Arborist Association.

- 2. Pruning shall be done with clean, sharp tools.
- 3. Immediately after planting operations are completed, all tree pits shall be covered with a layer of organic material two (2") inches in depth. This limit of the organic material for trees shall be the diameter of the plant pit.

Q. Steel Curbing Installation:

- limits of steel curbing and obtain Owners approval prior to
- 2. All steel curbing shall be free of kinks and abrupt bends.

1. Curbing shall be aligned as indicated on plans. Stake out

- 3. Top of curbing shall be $\frac{1}{2}$ " maximum height above final finished grade
- 4. Stakes are to be installed on the planting bed side of the curbing, as opposed to the grass side.
- 5. Do not install steel edging along sidewalks or curbs. 6. Cut steel edging at 45 degree angle where edging meets

sidewalks or curbs.

A. Cleanup: During the work, the premises shall be kept neat and orderly at all times. Storage areas for all materials shall be so organized so that they, too, are neat and orderly. All trash and lebris shall be removed from the site as work p paved areas clean by sweeping or hosing them at end of each

DO NOT SCALE DRAWINGS

CONTRACTOR TO VERIFY

ALL EXISTING CONDITIONS AND

DIMENSIONS—NOTIFY ARCHITECT

OF ANY DISCREPANCIES PRIOR

TO BEGINNING CONSTRUCTION

Architecture / Development

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NO REVISION

02/02/16 SUBMITTAL

PROJECT NUMBER

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LANDSCAPE SPECIFICATIONS AND DETAILS

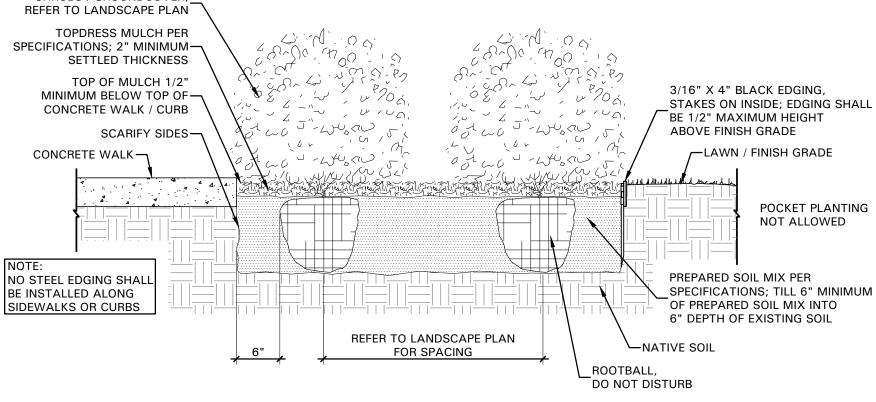
1 TREE PLANTING DETAIL NOT TO SCALE

02 SHRUB / GROUNDCOVER DETAIL NOT TO SCALE

H. BACKFILL: USE EXISTING NATIVE SOIL (no amendments) WATER THOROUGHLY TO ELIMINATE AIR POCKETS.

- NURSERY STOCK. www.anla.org B. TREE PIT: WIDTH TO BE AT LEAST TWO (2) TIMES THE DIAMETER OF THE ROOT BALL CENTER TREE IN HOLE & REST ROOT BALL ON UNDISTURBED NATIVE
 - TREE STAKES: AVAILABLE FROM: Tree Stake Solutions
- WHEN GIRDLING ROOTS ARE PRESENT & ROOT FLARE IS NOT APPARENT. E. ROOTBALL ANCHOR RING: REFER TO THE MANUFACTURER'S GUIDELINES FOR SPECIFICATIONS PRIOR SIZING. PLACE ROOTBALL ANCHOR RING ON BASE OF ROOTBALL, TRUNK SHOULD BE IN THE CENTER OF THE
- MULCH: DOUBLE SHREDDED HARDWOOD MULCH 2 INCH SETTLED THICKNESS, WITH 2" HT. WATERING RING; ENSURE THAT ROOT FLARE IS EXPOSED. BELOW GROUND STAKE
- TREE STAKE SOLUTIONS 'SAFETY STAKE' BELOW GROUND MODEL
- (903) 676-6143 jeff@treestakesolutions.com
 - INSTALLATION.

- OTHER REQUIREMENTS FOR TREE STAKE



DATE OF THIS PRINTING -11/11/2014

F. 'U' BRACKET.

G. NAIL STAKE: REFER TO MANUFACTURER'S GUIDELINES FOR SIZING. INSTALL NAIL STAKES WITH HAMMER OR MALLET FIRMLY INTO UNDISTURBED GROUND. DRIVE NAIL STAKES FLUSH WITH "U" BRACKET ADJACENT TO ROOTBALL (DO NOT DISTURB ROOTBALL).

SHOULD NOT BE VISIBLE.

ATTN: Jeff Tuley

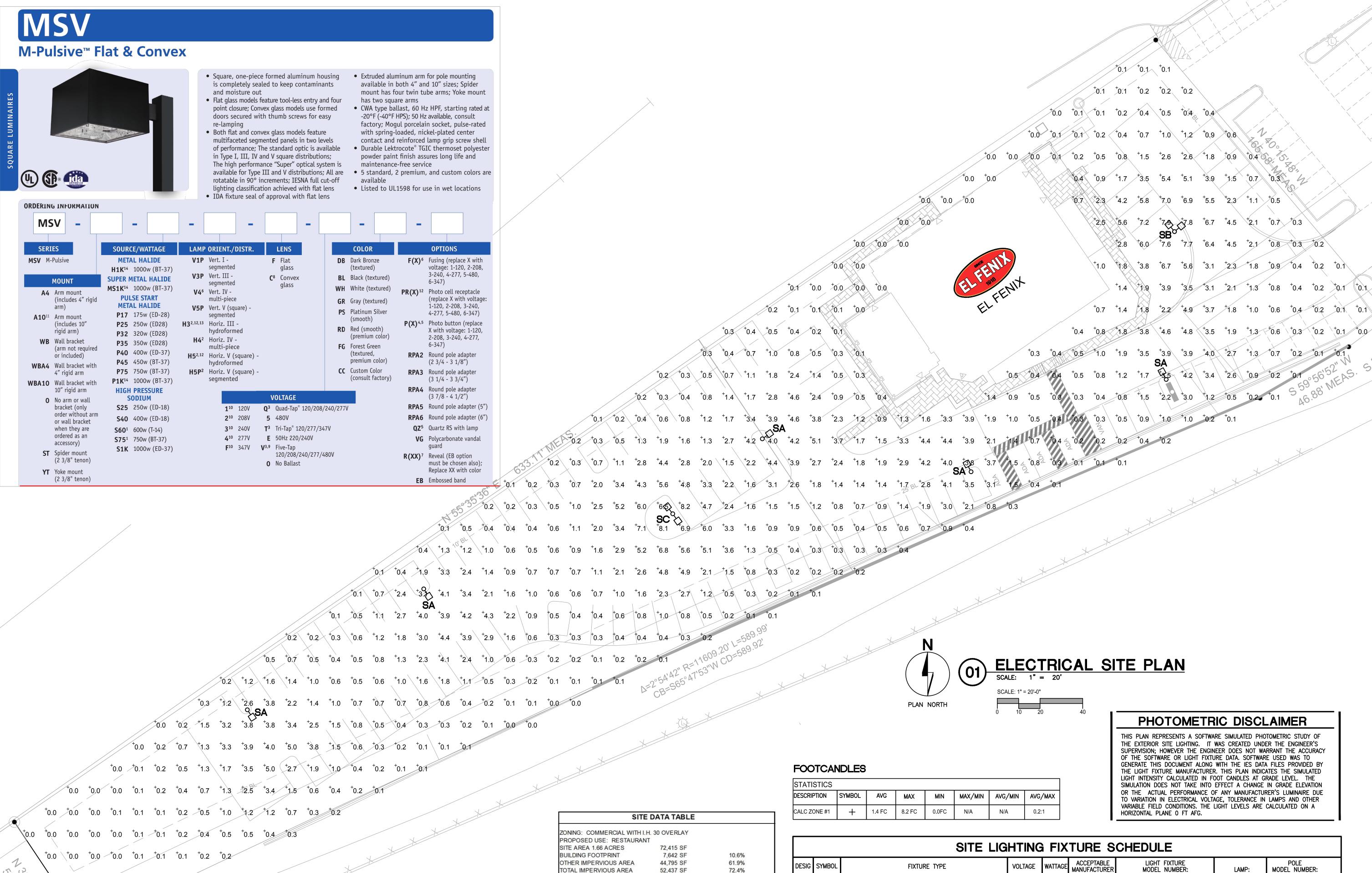
THE CONTRACTOR TO OBTAIN A COPY MANUFACTURER'S INSTALLATION OF TREE STAKES. CONTRACTOR SHALL ADHERE TO MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND

www.treestakesolutions.com K. IT SHALL BE THE RESPONSIBILITY OF

SHRUBS / GROUNDCOVER;

Suite 501 Dallas, Texas 75205 • 214.865.7192 office

4245 North Central Expy



OPEN SPACE (15% REQUIRED) 20,342 SF

PARKING REQUIREMENT: (1 STALL/ 100 SQ FT)

ADA ACCESSIBLE

TOTAL PROVIDED

REGULAR

PARKING REQUIREMENT: (1STALL/4 SEATS) (279 SEATS)

BUILDING HEIGHT: 1 STORY, 25' 10"

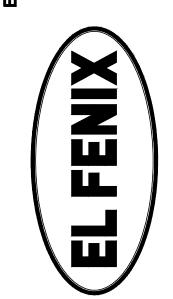
BUILDING TYPE:

REQUIRED PARKING

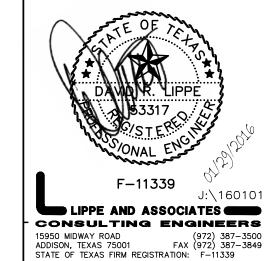
PARKING PROVIDED:

28.1%

Architecture / Development 14901 Quorum Drive Suite 300 Dallas Texas 75254 Ph: (972) 239-8884 Fax: (972) 239-5054



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NO REVISION

THIS PLAN REPRESENTS A SOFTWARE SIMULATED PHOTOMETRIC STUDY OF SUPERVISION; HOWEVER THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE SOFTWARE OR LIGHT FIXTURE DATA. SOFTWARE USED WAS TO GENERATE THIS DOCUMENT ALONG WITH THE IES DATA FILES PROVIDED BY THE LIGHT FIXTURE MANUFACTURER. THIS PLAN INDICATES THE SIMULATED LIGHT INTENSITY CALCULATED IN FOOT CANDLES AT GRADE LEVEL. THE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS. THE LIGHT LEVELS ARE CALCULATED ON A

	SITE LIGHTING FIXTURE SCHEDULE							
ESIG	SYMBOL	FIXTURE TYPE	VOLTAGE	WATTAGE	ACCEPTABLE MANUFACTURER	LIGHT FIXTURE MODEL NUMBER:	LAMP:	POLE MODEL NUMBER:
SA	日	"MSV SERIES" PULSE START METAL HALIDE PARKING LOT FIXTURE, SINGLE HEAD POLE MOUNTED, DISTRIBUTION TYPE 4 OPTICS, ON 20'-0" POLE WITH 2'-0" BASE (22'-0" OVERALL HEIGHT), AND DARK BRONZE FINISH.	208V/1PH	285	SPAULDING LIGHTING	#MSV-A4-P25-V4-F-Q3-DB	VENTURE 250W/ED28	VALMONT #DS220-525A200 -PC-FP-DB-FBC-AB
SB	络	SAME AS TYPE SA, EXCEPT WITH 2 HEADS FIXTURE.	208V/1PH	570	SPAULDING LIGHTING	#MSV-A4-P25-V4-F-Q3-DB	VENTURE 250W/ED28	VALMONT #DS220-525A200

70 SPACES 77 SPACES -PC-FP-DB-FBC-AB 570 SPAULDING #MSV-A4-P25-V4-F-Q3-DB VENTURE SAME AS TYPE SA, EXCEPT WITH 2 HEADS FIXTURE. 208V/1PH 'scl□⊷□ #DS220-525A200 -PC-FP-DB-FBC-AB 96 SPACES 250W/ED28 101 SPACES

SP2016-001

PROJECT NUMBER

150484 SHEET NUMBER

PHOTOMETRIC PLAN DATE OF THIS PRINTING - 01/29/16

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NO LIGHT POLE. BASE OR COMBINATION THEREOF SHALL EXCEED 30-FEET IN HEIGHT

BUILDING LIGHTING SPECIFICATIONS



El Fenix Rockwall, TX SP 2016-001



TYPE "B2" EL FENIX ROCKWALL PATIO AND TOWER LIGHTING

HALO Commercial

DESCRIPTION

Recessed 6 inch aperture lens downlight for one horizontal 26W double twin tube or 26/32/42W triple twin tube compact fluorescent lamp. Fixture is suitable for commercial construction and wet location listed. Insulation must be kept 3" from top and sides of housing. Universal input electronic ballast with dimming and emergency options.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

MECHANICAL Frame

Boat shaped galvanized steel frame with 1/2" plaster lip accommodates ceilings up to 2" thick. May be used for new construction or remodeling installations. Provided with (2) remodel clips to secure frame when installed from below the ceiling.

Mounting Brackets

Bar hanger receivers adjusts 2" vertically from above the ceiling or thru the aperture. Use with No Fuss™ bar hangers or with 1/2" EMT. Removable to facilitate installation from below the ceiling.

No Fuss™ Bar Hangers

Pre-installed and centered bar hanger locks to tee grid with a screwdriver or pliers. Centering marks on the bar hanger mechanism allows consistent positioning of fixtures.

OPTICAL Reflector

One piece aluminum reflector secures lens in place with integrated spring clips for a visually comfortable optic and allows for tool-less lens exchange from below the ceiling. Available with clear, diffuse, prismatic, fresnel or drop opal glass lens. Optional cross blade louver provides sharper cutoff to lamp. Self flanged standard.

- Specular Reflectors Polished flange standard with white painted flange option.
- Baffles and White Reflector -White painted flange standard

Trim Retention

Reflector is retained with two torsion springs and held tightly to the finished ceiling surface.

ELECTRICAL Junction Box

(6) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (12) #12 AWG (six in, six out) 90°C conductors and feed thru branch wiring.

Lamp Socket

or 26/32/42W TTT lamp.

Socket Housing

Galvanized steel socket housing attached securely to reflector with captive thumbscrew. Vents provide effective lamp thermal management.

Control Gear

Universal 120V - 277V UNV or 347V input electronic ballast for 26/32/42W compact fluorescent lamp.

Emergency Battery Pack

REM - Remote emergency test switch. Housing includes 120V/277V, 60Hz dual-tap battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. REM configuration includes prewired and attached remote test switch plate and indicator light. REM option is the standard emergency configuration, and is compatible with all standard reflector options, ordered separately.

IEM - Integral emergency test switch. Housing includes 120V/277V, 60Hz dual-tap battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. IEM configuration includes a prewired integral emergency test switch and indicator light that are both accessible inside the reflector. The IEM option requires "EM" designated reflectors only, ordered separately.

Emergency Battery Pack - Average Lamp Lumen Ratings

REM option: 26W 425lm, 32W 600lm, 42W 750Im

IEM option: 26W 810Im, 32W 910Im, 42W 1040lm

(Note: average lamp lumens 4-pin G24q base accepts (1) 26W DTT are based upon REM and IEM manufacturer ratings. Delivered lumens depend upon trim; refer to trim photometry to factor delivered lumens)

Code Compliance

- ENERGY STAR® listed for commercial applications, reference database for current listings.
- -Thermally protected and cULus listed for wet locations.
- IP44 rated for lens trims.
- NFPA Life Safety (Emergency Battery Pack).
- EMI/RFI per FCCTitle 47 CFR, Part 18, non consumer limits.
- Peel down wattage label from 42W to 32W and 26W. Allows de-rating to set max. relamp wattage per project specifications (multi-wattage housing only).
- DR De-rated label housings are wattage specific for 26/32W or
- High efficacy luminaire may be used to meet IECC, ASHRAE, and Title 24 commercial standards.



PD6H142 **62H**

(1) 26W DTT 26/32/42WTTT

Compact Fluorescent

6-Inch Aperture **Lens Downlight**

New Construction or Remodel Non-IC



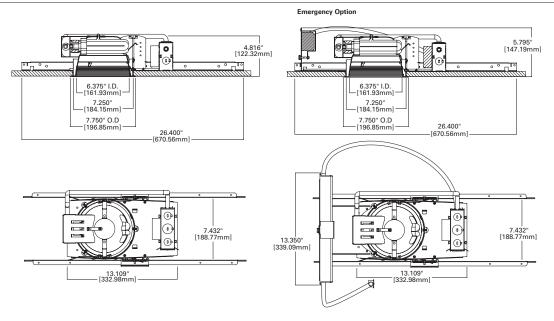
HALO Commercial TYPE "B2" EL FENIX ROCKWALL PATIO AND TOWER ACCENT

ENERGY DATA

г .	DOUL 405 DOODUL 405						
	PD6H142E, PD6CPH142E						
Min. Starting Temp -5°F / -20°C	Sound Rating Class A						
EMI/RFI EMISSIONS FCC 47CFR PART	18 Non-Consumer Limits						
INPUT FREQUENCY 50/60 Hz	Power Factor > 0.98						
THD < 10%	INPUT VOLTAGE 120V - 277V ±10%						
CREST FACTOR < 1.7							
OPERATING FREQUENCY > 40kHz	UL LISTED CLASS P, TYPE 1 OUTDOOR, CSA OR C/UL CERTIFIED						
	Input Power 28W						
CF026W/G240	INPUT CURRENT 0.50A @ 120V						
OI QZOW/QZ4Q	Input Current 0.22A @ 277V						
	Ballast factor 1.00						
	Input Power 28W						
CFTR26W/GX24Q	Input Current 0.50A @ 120V						
OI ITIZOW/GAZ+Q	Input Current 0.22A @ 277V						
	Ballast factor 1.00						
	Input Power 35W						
CFTR32W/GX24Q	Input Current 0.50A @ 120V						
GFTN3ZW/UAZ4Q	Input Current 0.22A @ 277V						
	Ballast factor .98						
	Input Power 45W						
CFTR42W/GX24Q	Input Current 0.50A @ 120V						
OI IN4ZW/UAZ4Q	Input Current 0.22A @ 277V						
	Ballast factor .96						

PD6H1423E		
Min. Starting Temp 0°F / -18°C Sound Rating Class A		
EMI/RFI EMISSIONS FCC 47CFR PART	18 Non-Consumer Limits	
INPUT FREQUENCY 60 Hz	Power Factor > 0.98	
THD < 10%	INPUT VOLTAGE 347VAC ±10%	
Operating Frequency 50-60 kHz	cULus Listed Class P, Type 1 Outdoor, Type CC	
	Input Power 31W	
CF026W/G240	INPUT CURRENT 0.09A @ 347V	
OI QZUW/GZ4Q	Ballast factor 1.02	
	Crest factor < 1.6	
	Input Power 31W	
CFTR26W/GX24Q	Input Current 0.09A @ 347V	
OFINZOW/UAZ4Q	Ballast factor 1.02	
	Crest factor < 1.6	
	Input Power 36W	
CFTR32W/GX24Q	Input Current 0.11A @ 347V	
OFINOZW/UAZ4Q	Ballast factor 0.98	
	Crest factor < 1.5	
CFTR42W/GX240	Input Power 50W	
	Input Current 0.15A @ 347V	
OI IN4ZW/GAZ4Q	Ballast factor 1.00	
	Crest factor < 1.5	

DIMENSIONS



HALO Commercial

TYPE "B2" EL FENIX ROCKWALL PATIO AND TOWER ACCENT

ORDERING INFORMATION

SAMPLE NUMBER: PD6H142E 62H1GC

Order housing, reflector and lamp separately for a complete luminaire.

Housing

Multi-Wattage

PD6H142 = 6 Inch horizontal (1) 26/32/42W DTT/TTT CFL

PD6CPH142 = 6 Inch horizontal (1) 26/32/42W DTT/TTT CFL. CCEA listed

De-Rated Label

PD6H132 = 6 Inch horizontal

(1) 26/32W DTT/TTT CFL

PD6CPH132 = 6 Inch horizontal

(1) 26/32W DTT/TTT CFL, CCEA listed (Chicago Plenum)

(Chicago Plenum)

PD6H126 = 6 Inch horizontal

(1) 26W

DTT/TTT CFL

PD6CPH126 = 6 Inch horizontal

(1) 26W DTT/TTT CFL, CCEA listed (Chicago Plenum)

62H = 6" horizontal 62HEM = 6" horizontal, Emergency (required with IEM ballast option)

Regressed Lens Option

1G=Prismatic Glass 2G=Diffuse Glass 3G=Clear Glass 4G=Fresnel Glass

Finish Option

C=Specular Clear G=Specular Gold H=Semi Specular Clear

W=White (White Flange)
BB=Black Baffle (White Flange) WB=White Baffle (White Flange)

Polymer "Dead Front" Trim 1, 2

1GDF=Prismatic Glass with "Dead Front" Trim

3GDF=Clear Glass with "Dead Front" Trim

5GDF=Drop Opal Glass with "Dead Front" Trim

Flange Option

Blank=Polished Flange (C, G, H) Blank=White flange (W, BB, WB)

WF=White Flange (C, G, H)

HB128APK = L channel hanger bar, 26", 'No-Fuss'

pair (replacement)

RMB22 = 22" long wood joist mounting bars

2GDF=Diffuse Glass with "Dead Front" Trim

4GDF=Fresnel Glass with "Dead Front" Trim

Note:

1 "DF" trim option includes Specular Clear (C) reflector and white polymer flange only. No other finish or flange options apply

2 "DF" trim option not available with "IEM" emergency.

Ballast Option

E = 120V - 277V 50/60Hz UNV

REM = 120V/277V 60Hz dual-tap emergency battery ballast

with remote test switch plate

3E = 347V. 50/60Hz

1DMARKX = 5% two-wire (26/32/42W) dimming, 120V

2DMARKX = 5% two-wire (26/32/42W) dimming, 277V EDMARK7 = 5% 0-10V discrete two-wire (26/32/42W) dimming, 120-277V

1DMARKXREM = 5% two-wire (26/32/42W) dimming, 120V; with REM emergency option

2DMARKXREM = 5% two-wire (26/32/42W) dimming, 277V; with REM emergency option

EDMARK7REM = 5% 0-10V discrete two-wire (26/32/42W) dimming, 120-277V; with REM emergency option

Integral Emergency Ballast Option

IEM = 120/277V 60Hz dual-tap, Integral Emergency battery ballast with test switch through reflector*

1DMARKXIEM = 5% two-wire (26/32/42W) dimming, 120V; with IEM emergency option*

2DMARKXIEM = 5% two-wire (26/32/42W) dimming, 277V; with IEM emergency option*

EDMARK7IEM = 5% 0-10V discrete two-wire (26/32/42W) dimming, 120-277V; with IEM emergency option*

*Requires "EM" reflectors only, ordered separately

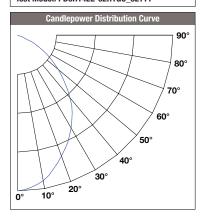
PHOTOMETRY

PD6H142E-62H1GC_32TTT

Spacing Criteria = 1.06

Lumens per Watt = 37 LpW Test No. P31232

Test Model: PD6H142E-62H1GC_32TTT



ounded Diotribution		
Candela		
716		
704		
637		
545		
438		
308		
183		
77		
2		
0		
0		

Candela Distribution

183	
77	
2	
0	
0	

*CBCP

Luminance		
(Average Candela/M²)		
Degree Avg. 0° Luminance		
45	17667	
55	11937	
65	6033	
75	204	
85	0	

Cone of Light Footcandles			
Distance to	Initial Nadir Footcandles	Beam (ft.)	
Illuminated Plane		L Length	W Width
5.5'	24	5.5	6
7'	15	7	7.6
8'	11	8	8.7
9'	9	9	9.7
10'	7	10	10.8
12'	5	12.1	13
14'	4	14.1	15.2

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot. Footcandle values are initial, apply appropriate light loss factors where necessary

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	485.52	20.20	37.60
0-40	759.65	31.70	58.90
0-60	1192.24	49.70	92.40
0-90	1290.73	53.80	100.00



HALO Commercial

TYPE "B2" EL FENIX ROCKWALL PATIO AND TOWER ACCENT

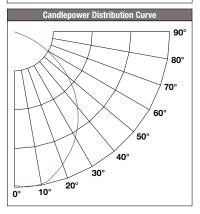
PHOTOMETRY

PD6H142E-62H1GC_42TTT

Spacing Criteria = 1.20

Lumens per Watt = 32 LpW
Test No. P31411

Test Model: PD6H142E-62H1GC_42TTT



Candela Distribution		
Degrees Vertical	Candela	
0*	727	
5	736	
15	710	
25	628	
35	531	
45	407	
55	261	
65	110	
75	3	
85	0	
90	0	

*(ìP	C	P

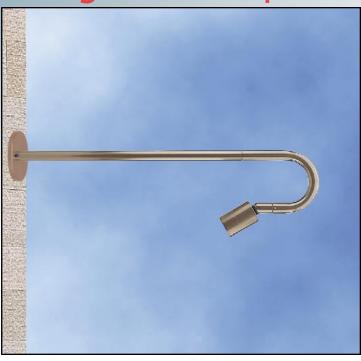
Luminance		
(Average Candela/M²)		
Degree	Avg. 0° Luminance	
45	21749	
55	15898	
65	8076	
75	288	
85	0	

Cone of Light Footcandles			
Distance to	Initial Nadir Footcandles	Beam (ft.)	
Illuminated Plane		L Length	W Width
5.5'	24	5.8	6.2
7'	15	7.4	7.9
8'	11	8.5	9
9'	9	9.5	10.2
10'	7	10.6	11.3
12'	5	12.7	13.6
14'	4	14.8	15.8

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot. Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	518.55	16.20	36.60
0-40	813.99	25.40	57.50
0-60	1299.25	40.60	91.80
0-90	1415.36	44.20	100.00

Sign Star™ Style 'B'

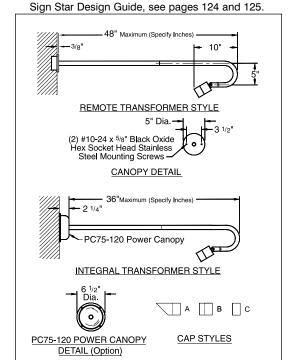


Sign Star™ Style 'B' will add its own unique architectural look to any sign lighting application. The contemporary styling can mount unobtrusively to most building facades. By specifying the rectilinear lens, the lighting designer can produce rectangular geometry on most signage. The one inch machined-aluminum stem and Nite Star™ fixture will provide years of trouble free performance. Sign Star can be specified for either remote or integral transformer applications and can be aimed in either an up or down lighting position. It is available in three cutoff styles: A, B, and C.

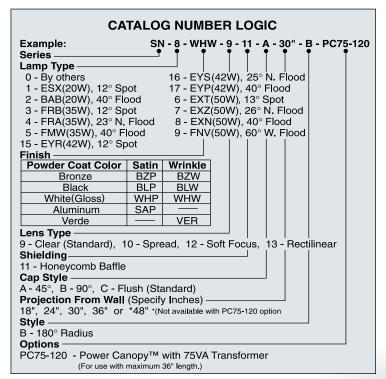
Features

- · Tamper proof design.
- 1" diameter machined aluminum stem with stainless steel hardware.
- Aluminum canopy. (Box gasket by others.)

- Utilizes machined aluminum Nite Star™.
- 4 & Listed with MR16 lamps to 50 watts.
- · For remote transformers, see page 97.



See page 96 for additional Power Canopy details.







WPLED26





LED 26W Wallpacks. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze Weight: 7.5 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	26W
120V:	0.26A	Color Temp:	5000K (Cool)
208V:	0.16A	Color Accuracy:	70 CRI
240V:	0.14A	L70 Lifespan:	100,000
277V:	0.12A	Lumens:	2,662
Input Watts:	30W	Efficacy:	90 LPW
Efficiency:	88%		

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°C.

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The LPACK is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

Green Technology:

RAB LEDs are Mercury, Arsenic and UV free.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Electrical

Driver:

Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 6kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V.4 Amps.

THD

7.5% at 120V, 11% at 277V

Other

California Title 24:

See WPLED26/PC for a 2013 California Title 24 compliant model.

Equivalency:

The WPLED26 is Equivalent in delivered lumens to a 175W Metal Halide Wallpack.

HID Replacement Range:

The WPLED26 can be used to replace 150 - 200W Metal Halide Wallpacks based on delivered lumens.

Patents:

The WPLED design is protected by U.S. Pat. D634878, Canada Pat 134878, China Pat. CN301649064S.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Country of Origin:

Designed by RAB in New Jersey and assembled in Taiwan.

Trade Agreements Act Compliant:

This product is a product of Taiwan and a "designated country" end product that complies with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

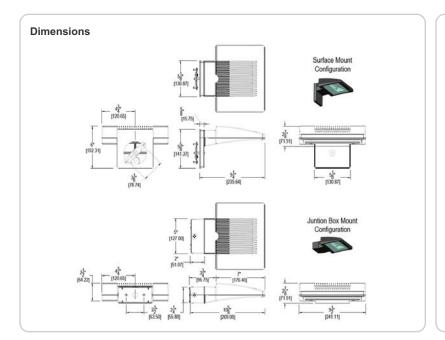
Optical

BUG Rating:

B1 U0 G0

WPLED26





Features

- High performance LED light engine
- Maintains 70% of initial lumens at 100,000 hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- 100 up to 277 Volts
- 5-year warranty

Ordering Matrix							
Family	Watts	Color Temp	Sensor	Surface Plate	Finish	Photocell	Dimming
WPLED							
	26 = 26W	= Cool Y = Warm N = Neutral	= No Sensor MS = Mini Sensor	= No Surface Plate S = Surface Plate	= Bronze W = White	= No Photocell /PC = 120V Button /PCS = 120V Swivel /PC2 = 277V Button	= No Dimming /D10 = Dimmable

TYPE "S" EL FENIX ROCKWALL DECORATIVE WALL SCONCE







Project		
Туре		
Ordering#		
Comments		

Mount Vernon Collection Mount Vernon 1 Light Outdoor Wall Light - OZ 97090Z (Olde Bronze)

Product Description:

With its simple yet bold shape, the Mount Vernon Collection adds a touch of rustic flavor to the American home. Our Olde Bronze finish over solid brass gives an aged look to the piece, while the seedy glass panels provide additional texture and complete the Mount Vernon's antique profile making it the perfect balance of form and function. Add a beautiful accenting touch to the front of your home with this $19\,\%$ " high, one light wall lantern. It uses a 150-watt (max.) bulb and is U.L. listed for wet locations.

Available Finishes

Olde Bronze Black (Painted) Olde Bronze

Technical Information	n
Weight:	5.7
Safety Rated:	Wet
HCWO:	7.25
Base Backplate:	6.50 X4.50
Color Rendering Index:	>80
Color Temperature Rang	e: 3000
Expected Life Span:	20000 Hours
Height:	19.50"
Width:	9.50"
Extension:	10.25"
Collection:	Mount Vernon Collection
Finish:	Olde Bronze



TYPE "SA, SB, SC" -**EL FENIX ROCKWALL SITE LIGHTING**



Approvals

APPLICATIONS

 Malls, retail complexes, industrial sites or any large area lighting project where superior performance, design flexibility, and value are a must

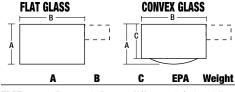
SPECIFICATIONS

- · Lightweight, rugged, one-piece formed and welded aluminum for smooth wall construction and weatherproofing. Pre-drilled for arm mounting. Decorative embossed band and reveal colors available
- Extruded aluminum door frame with rigid corner bracing and die cast zinc latches for tool-free entry (flat glass lens). Formed aluminum doorframe (convex lens) with stainless steel, Knurled head thumb screw design for tool-free entry. Quality high temperature rated extruded silicone gasket seals out insects, dirt and moisture. Tempered flat glass lens provides impact and thermal shock resistance and a sharp full cutoff classification. Impact and thermal shock resistant convex lens provides improved light level uniformity and broadened luminaire spacing
- Vertical and horizontal lamp orientations available: IES types I, II, III, IV, and V distributions. V1P, V3P, V5P and H5P reflectors are fully segmented. V4 and H4 reflectors are multi-piece design. H3 and H5 reflectors are hydroformed. All reflectors are rotatable
- · Spider mount has four twin-tube arms attaching housing to pole top fitter. Yoke mount has two square arms securing housing to pole top fitter
- Extruded aluminum arms in 4" and 10" lengths along with multiple adapters provide mounting flexibility.
- · Mogul porcelain socket, pulse rated, with spring-loaded, nickel-plated center contact and reinforced lamp grip screw shell
- · CWA type, HPF ballast, starting rated at -20°F (-40°F for HPS)
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service

LISTINGS/CERTIFICATIONS

- Listed to UL1598 for use in wet locations
- IDA fixture seal of approval.





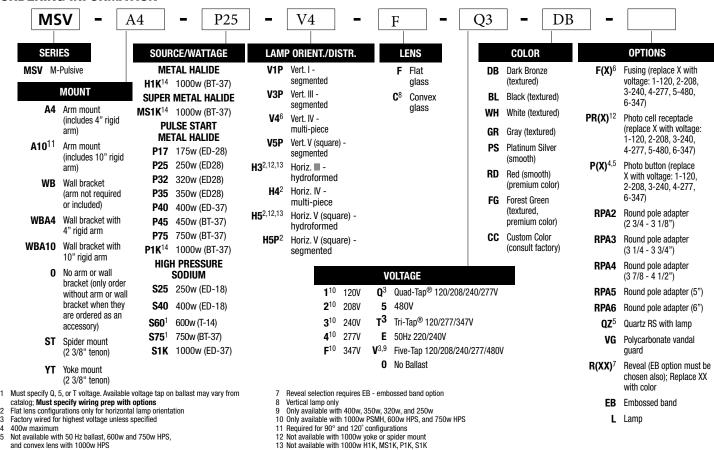
FLAT	15"	21"	N/A	2.8 ft.2*	68 lbs
	381 mm	533 mm		$0.35m^{2}$	30.6 kg
CONVE	X 14 1/2"	21" sq.	12"	2.4 ft. ²	63 lbs
	368 mm	533 mm	374 mm	0.2m ²	28.6 kg

NOTE: EPA and weight values do not include mounting arm

SPIDER MOUNT YOKE MOUNT C D Flat **EPA** Weight **SPIDER** 33 11/16" 36 1/2" 0.5 ft.2 9 lbs 856 mm 928 mm 0.15m² 4.1 kg **YOKE** 35 3/16' 33 11/16" 1.6 ft.2 11 lbs 894 mm 856 mm 0.49m² 5.0ka

ORDERING EXAMPLE: MSV-A4-P1K-V5P-F-5-DB-RPA4

ORDERING INFORMATION





NOTE: All poles to be drilled with #2 pattern

6 Not available with convex lens and 1000w HPS or 1000w with voke or spider mount

and convex lens with 1000w HPS



14 GE or Sylvania BT37 lamps recommended for horizontal distributions

^{*} With the 4" arm the EPA is 2.8ft2.

SPECIFICATIONS

HOUSING Die-formed rectilinear housing to have continuous corner welds creating a seamless one-piece enclosure. Housing material to be heavy gauge low copper aluminum alloy. Door assembly to recess completely within luminaire housing creating evenly spaced reveal and floating door appearance.

DOOR/LENS FLAT LENS DESIGN: Extruded aluminum doorframe for tempered flat glass lens design to have 45° miter cut corners with internal corner key brackets for rigid support. Finish to be anodized with natural aluminum color. Tool-free entry design provided by corrosion-resistant, spring-loaded die cast zinc thumb latches (one per corner). Extruded silicone gasket profile to positively seal tempered glass lens to doorframe and doorframe to luminaire housing ensuring a contaminant fee environment. Complete removal of the door assembly is achievable without tools. CONVEX LENS DESIGN: Die formed aluminum doorframe with impact and thermal-shock resistant convex lens, vulcanized one-piece extruded silicone gasket, and tool-free entry with two Knurled head stainless steel screws. Two additional corrosion-resistant treated screws provide door hinging and two additional points of attachment for equal gasket compression. Matching TGIC thermoset polyester powder paint finish to match the luminaire housing color.

MOUNTING The luminaire housing shall attach to all mounting hardware via two 1/2" diameter bolts/rods. Mounting options to include rigid arm assemblies, knuckled arm assemblies for flat surfaces, knuckled arm assemblies for 23/8" OD tenon, wall bracket adapter, and round pole adapters ensuring maximum luminaire versatility. All mounting accessories should include gasket between the housing and accessory.

OPTICS The luminaire should be available in both vertical and horizontal lamp orientations. All optical assemblies are to be field rotatable in 90° increments. All flat glass configurations are to be IES - Full Cutoff classified. Internal house side shielding to be available with horizontal Type III distribution and field installable.

ELECTRICAL Available HID wattage range of 250 to 1000 watts from Metal Halide, Pulse Start Metal Halide, High Output Super Metal Halide, and High Pressure Sodium sources. Additional options include fusing, photocell cell control, and quartz restrike lamp.

FINISH TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness. Prior to painting all luminaires and mounting accessories should be thoroughly cleaned with acid and alkaline cleaners followed by the application of a chromate conversion

LISTINGS/CERTIFICATION UL1598 approved and CSA certified for outdoor use in wet locations

MSV EPA VALUES

Mounting Logic for Pole	Configuration	Flat Lens w/ 4" Arm	Flat Lens w/ 10" Arm	Convex Lens w/ 4" Arm	Convex Lens w/ 10" Arm
A	SINGLE	2.8	3	2.5	2.7
В	TWIN AT 90°	N/A	5.3	N/A	4.7
C	TWIN AT 180°	5.6	6	5	5.4
D	TRIPLE AT 90°	N/A	8.6	N/A	7.5
E	TRIPLE AT 120°	N/A	8.4	7.1	7.3
F	OUAD AT 90°	N/A	8.8	N/A	7.7

ACCESSORIES

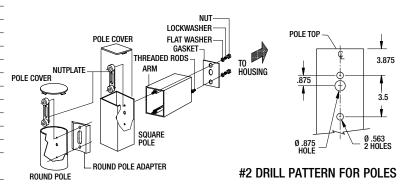
(Must be ordered separately. For field installation.)

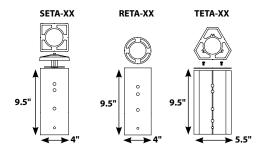
Catalog #	Description
MSV-FGGS-2	Extreme Glare Shield for flat glass units only (mounts to housing);
	restricts lighting to any one side of fixture; black finish standard
MSV-IHS-H3	Internal house side shield (H3 distribution)
MSV-GS	Glare Shield for sag glass units only; restricts light to any one
	side of fixture, black finish standard
MSV-PVG	Polycarbonate Vandal Guard
FDMLH	Flush Mount Kit - direct mount luminaire hardware kit
F-RPA2-XX1,2	Round Pole Adapter (2¾ - 3½")
F-RPA3-XX ^{1,2}	Round Pole Adapter (3½ - 3¾")
F-RPA4-XX ^{1,2}	Round Pole Adapter (37/8 - 41/2")
F-RPA5-XX ^{1,2}	Round Pole Adapter (5")
F-RPA6-XX1,2	Round Pole Adapter (6")
WB-CR-XX ¹	Wall Bracket
ARM-F-K-TA-XX1	Tenon Arm (single) adjustable (23/8" O.D. tenon)
ARM-F-TK-TA-XX1	Tenon Arm (double 180°) adjustable (2¾" O.D. tenon)
ARM-F-K-S-XX1,2	Adjustable Arm
ARM-F-4-S-XX1,2	4" Rigid Straight Arm
ARM-F-10-S-XX1,2	10" Rigid Straight Arm
SETA-XX ^{1,2}	4" Square Pole Tenon Adapter (4 @ 90°)
	(23/8" OD tenon)
RETA-XX1,2	4" Round Pole Tenon Adapter (4 @ 90°)
	(2 ³ /8" OD tenon)
TETA-XX ^{1,2}	Three sided Pole Tenon Adapter (3 @ 120°)
1 Replace XX with color choi	ce, eg.: DB for Dark Bronze.

- 2 When ordering poles, specify Pole Drill Pattern #2.

PHOTOCONTROL EQUIPMENT

CATALOG #	DESCRIPTION
PTL-1	Photocontrol - Twist-Lock Cell (120V)
PTL-8	Photocontrol - Twist-Lock Cell (120-277V)
PTL-5	Photocontrol - Twist-Lock Cell (480V)
PTL-6	Photocontrol - Twist-Lock Cell (347V)
PSC	Shorting Cap - Twist-Lock





Due to our continued efforts to improve our products, product specifications are subject to change without notice.



