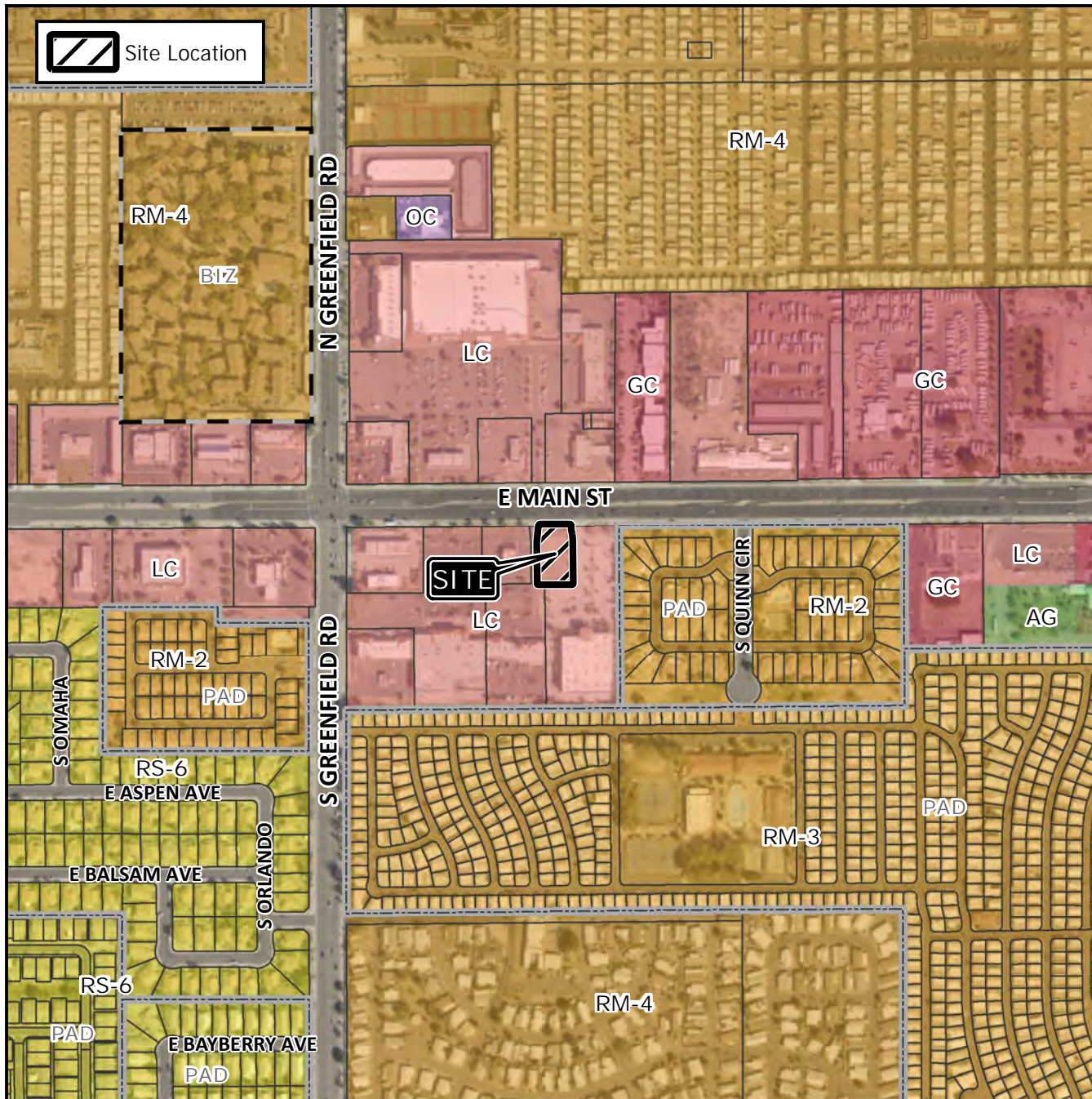


Design Review Vicinity Map: DRB20-00003

Case Details



Case:

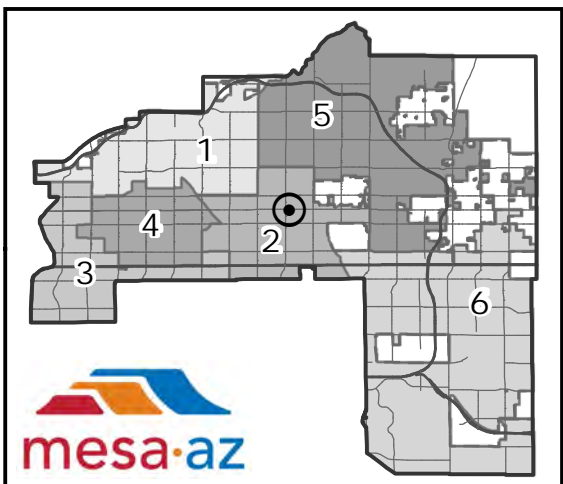
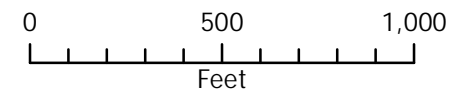
DRB20-00003

Site / Address:

District 2. Within the 4500 block of East Main Street (south side)

Request:

Requesting the review of an automobile/vehicle service and repair facility



ARCHITECTS SOUTHWEST

Architecture - Planning

RODRIGO AUTO REPAIR AUTOMOTIVE REPAIR FACILITY

**4509 EAST MAIN STREET
APACHE AND GREENFIELD CENTER
PARCEL NO. 140-32-001T**

30 DECEMBER 2019

PURPOSE OF REQUEST

To gain Design Review approval for an Auto Repair project to be located at 4509 E. Main Street in Mesa.

DESCRIPTION OF PROPOSAL

The proposed business that will operate from this property is Rodrigo Auto Repair, a general automotive repair facility. Repairs include oil changes, brakes, tires, tuneups, suspension work, etc. The hours of operation will generally be from 7 am to 5 pm, Monday through Friday, with some work during the morning hours from 7 am to noon on Saturdays, consistent with the nature of the business. The number of employees working at the property will generally be small due to the nature of the work. They anticipate no more than 3 full time employees and 2 part-time employees. Outdoor, noise producing activities are not anticipated. A paved parking area will be provided at the side of the building along its west side, with water retention in the front and rear, with a small amount of retention at the east side of the property. Landscaping will be provided at the street frontage, the rear and the west side, with parking and boundary landscaping per the attached Landscaping Plan. Landscaping on the east side is limited because of existing mature landscaping materials abutting our property.

RELATIONSHIP TO SURROUNDING PROPERTIES

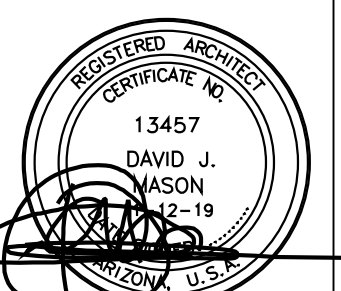
The project is in a general commercial area, surrounded by retail and thrift stores, a children's theater facility, restaurants and convenience store. Residential properties are located approximately 140'-0" to the east. There is extensive paved parking areas surrounding this property providing significant buffers to adjacent businesses and residences.

LOCATION AND ACCESSIBILITY

This location is well suited to the proposed use. The client believes this will be an appropriate location for the type of business operations they employ.

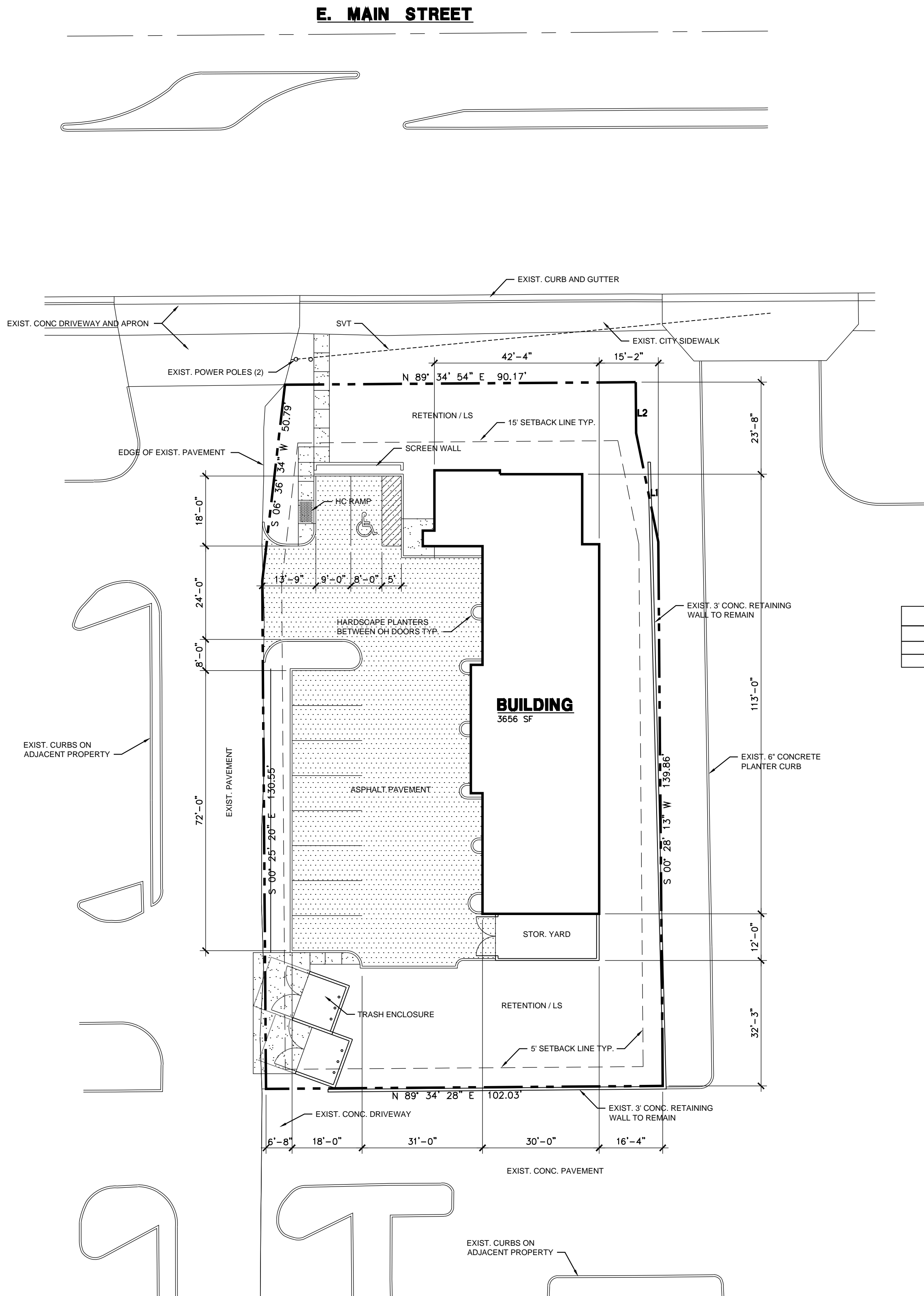
DEVELOPMENT SCHEDULE

The client intends to develop the property immediately upon approval of the plans. No phasing is anticipated.



PROJECT INFORMATION

PROJECT AUTO REPAIR PROJECT
RODRIGO RODRIGUEZ
PROJECT ADDRESS 4509 E. MAIN STREET
MESA, ARIZONA
ASSESSORS PARCEL NO. 140-32-001T
LEGAL DESCRIPTION PART OF SW 1/4 SECT. 22, T1N, R8E
G&SRB&M
OWNER T&R SPECIALISTS, LLC - RODRIGO RODRIGUEZ
5414 E. DOLPHIN DR.
MESA, ARIZONA 85206
PHONE (480) 644-4732
CELL (480) 275-1684
ZONING LC
ARCHITECT/APPLICANT ARCHITECTS SOUTHWEST
DAVID J. MASON, ARCHITECT
PO BOX 4510
MESA, ARIZONA 85211
PHONE (480) 835-1981
BUILDING AREA PROPOSED NEW BUILDING - 3656 SF
SITE AREA 18,493 SF (0.425 ACRES)
LOT COVERAGE 19.67%
PARKING 1/375 SF GROSS = 10 SPACES
10 SPACES PROVIDED
BUILDING HEIGHT 24'-0" AFF

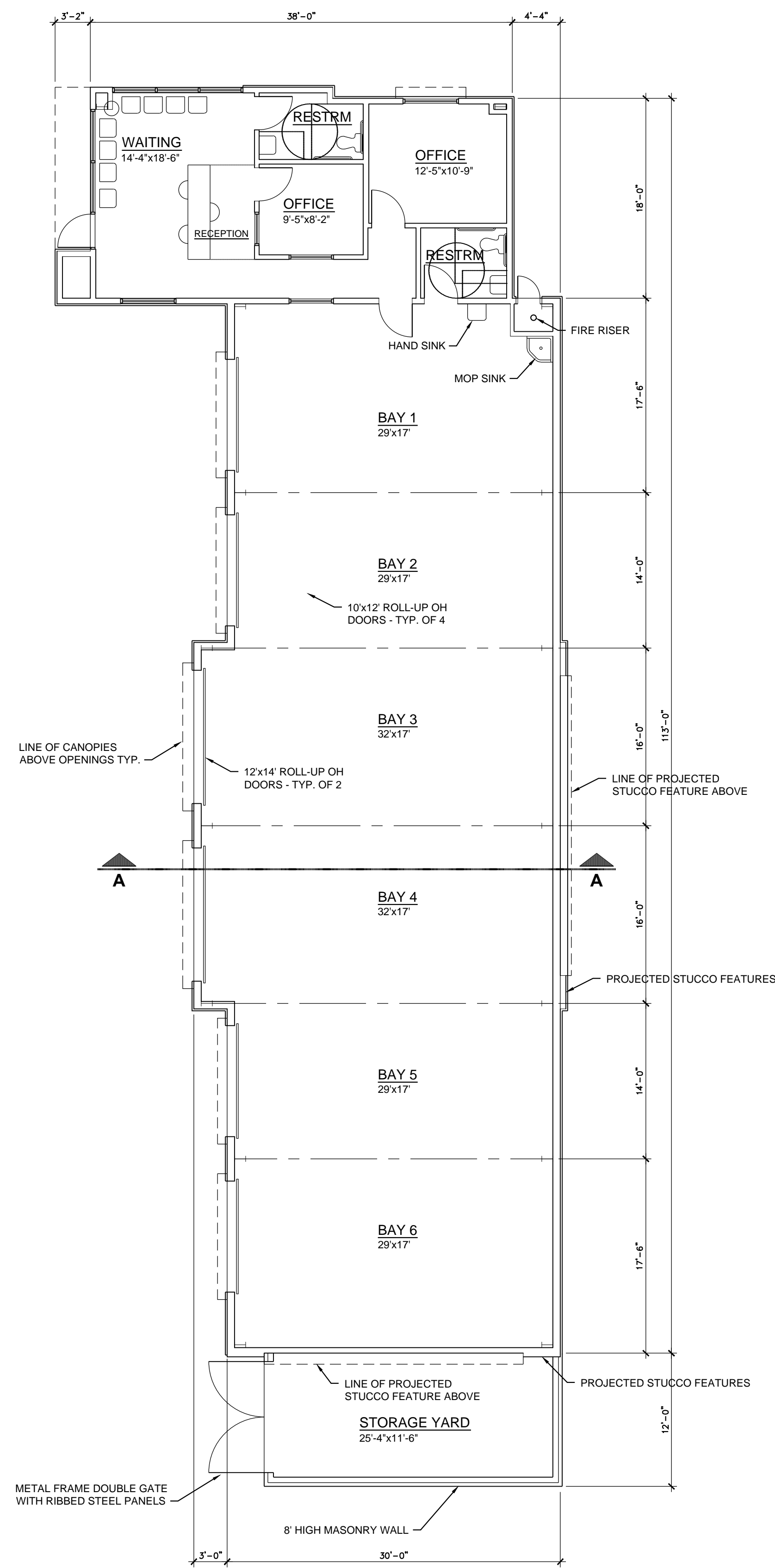


LINE TABLE		
LINE	LENGTH	BEARING
L1	28.54	N 11° 28'50"W
L2	13.07	N 00° 27'42"W

SITE PLAN

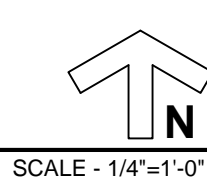
SCALE - 1"=20'-0"



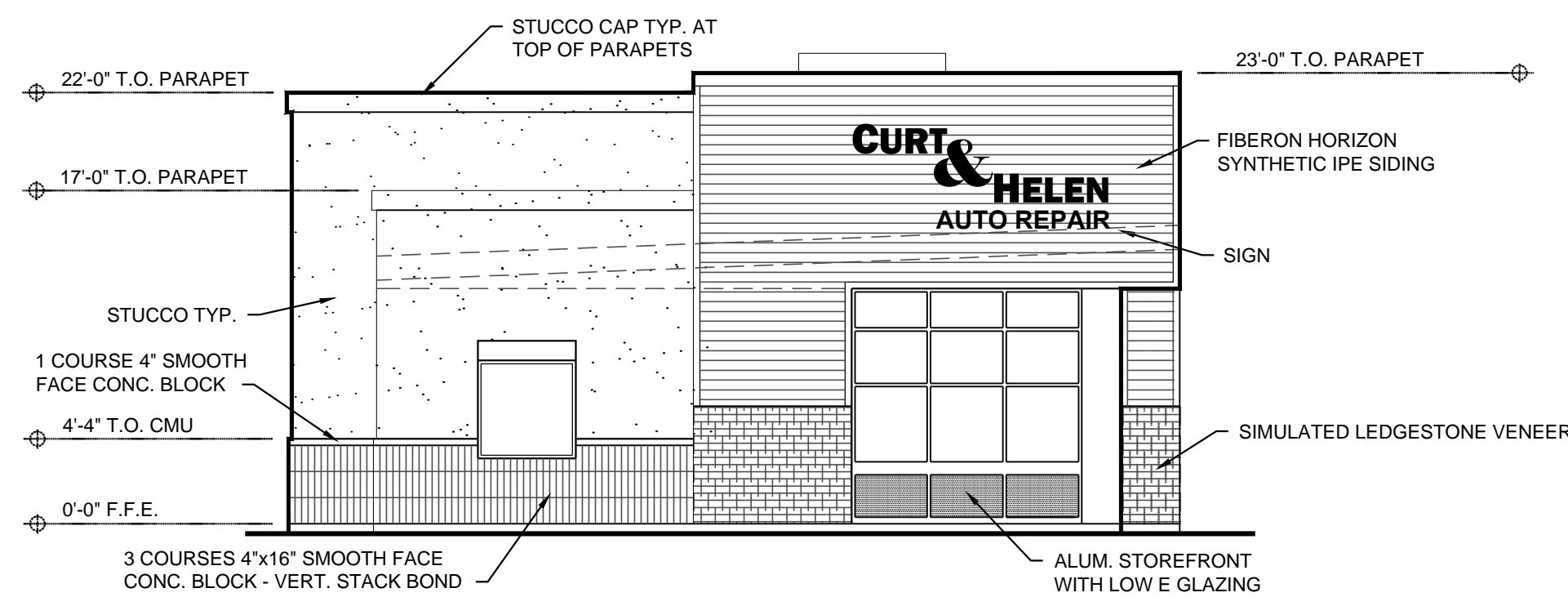


3675 SF

FLOOR PLAN

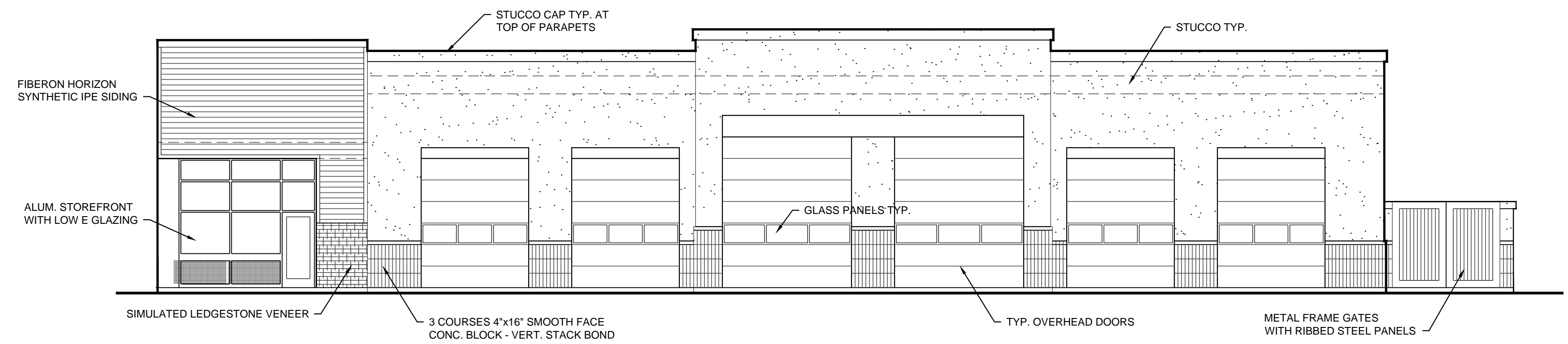


SCALE - 1/4"=1'-0"



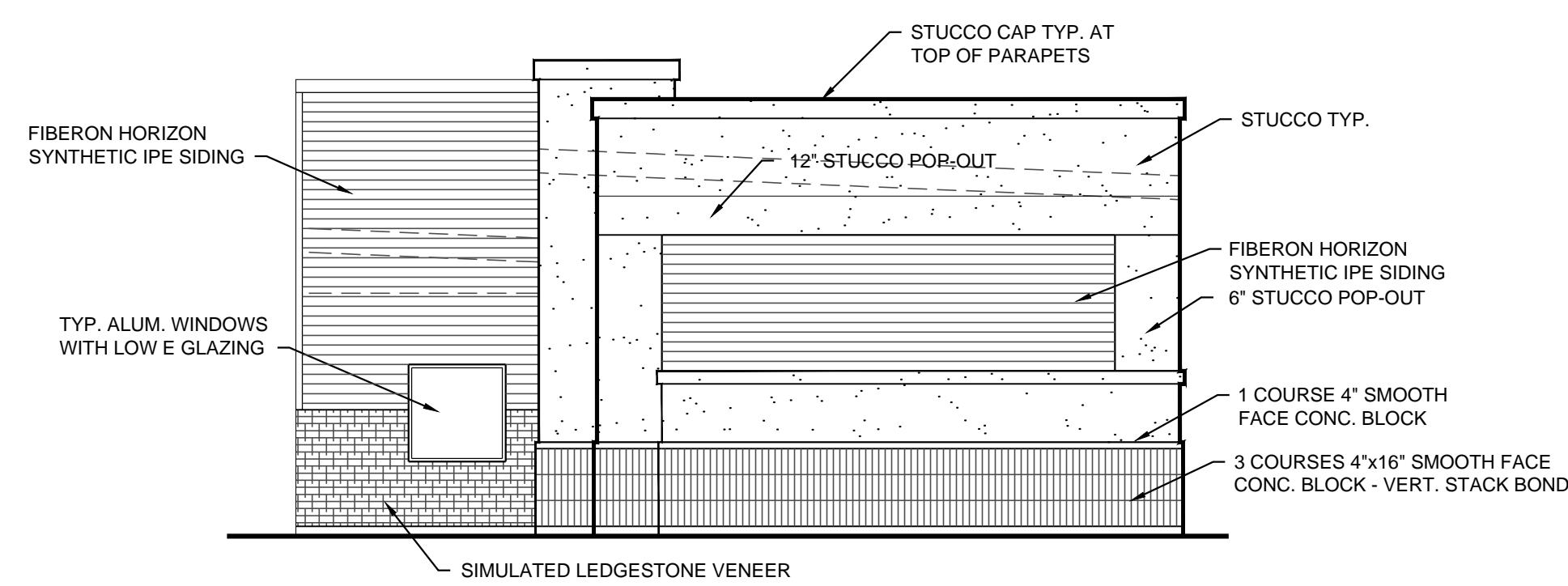
NORTH ELEVATION

SCALE - 1/8" = 1'-0"



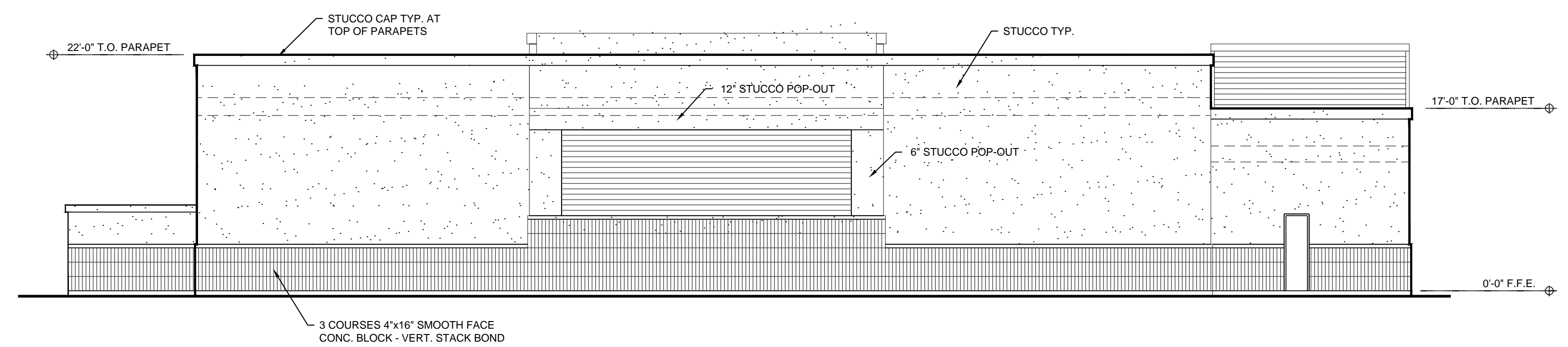
WEST ELEVATION

SCALE - 1/8" = 1'-0"



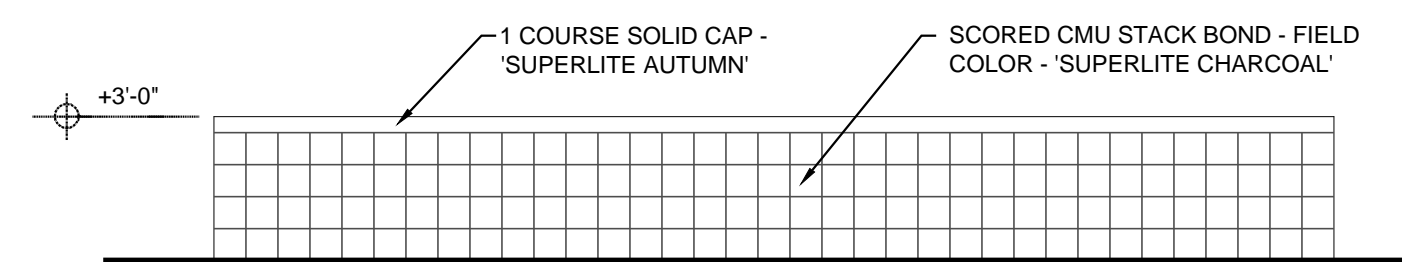
SOUTH ELEVATION

SCALE - 1/8" = 1'-0"



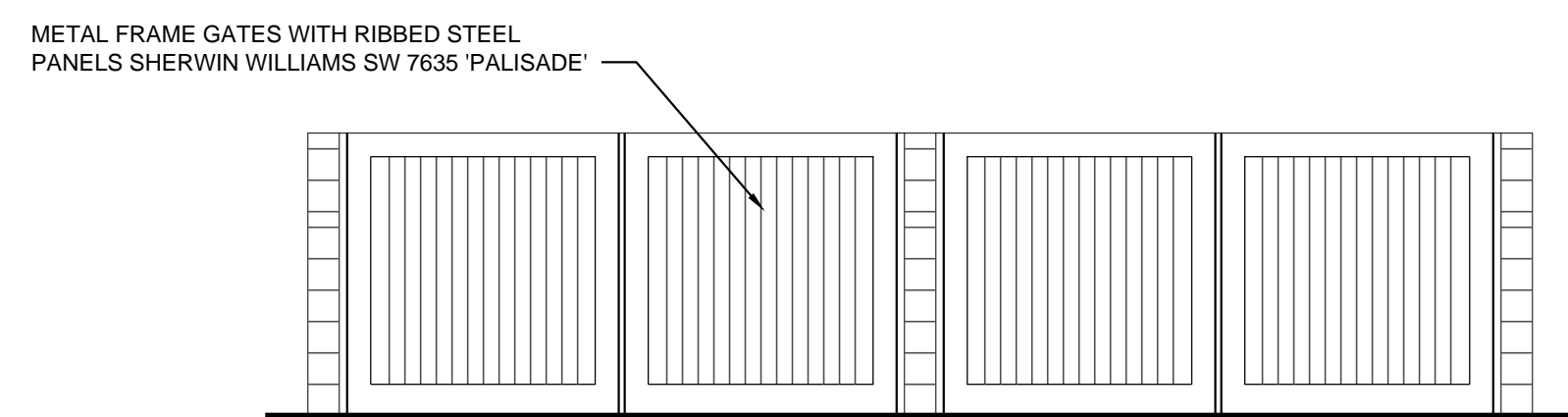
EAST ELEVATION

SCALE - 1/8" = 1'-0"

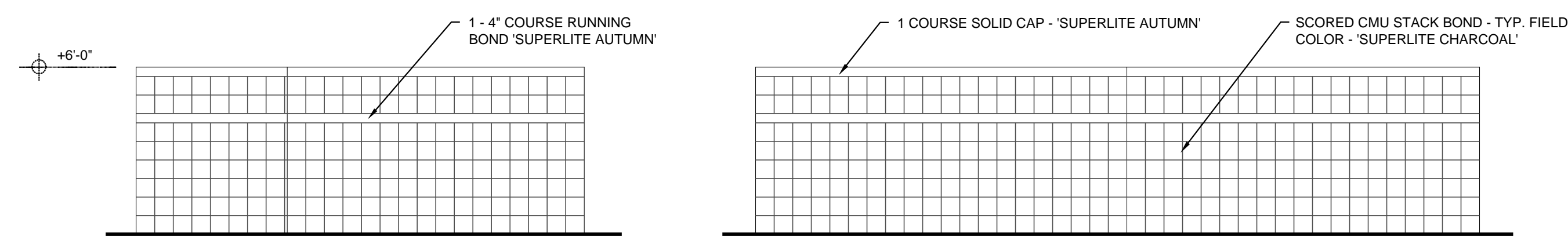


SCREEN WALL ELEVATION

SCALE - 1/4" = 1'-0"



REAR ELEVATION

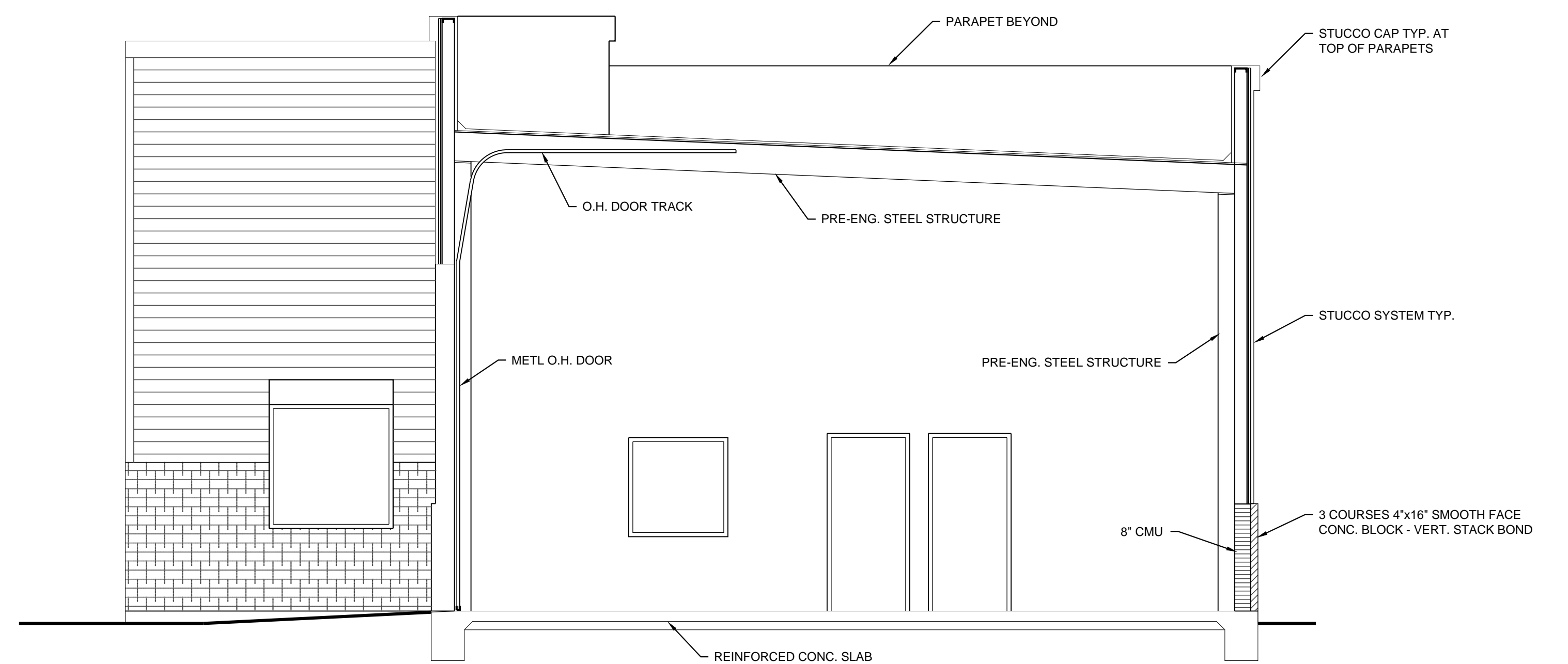


TYPICAL SIDE VIEW

REAR ELEVATION

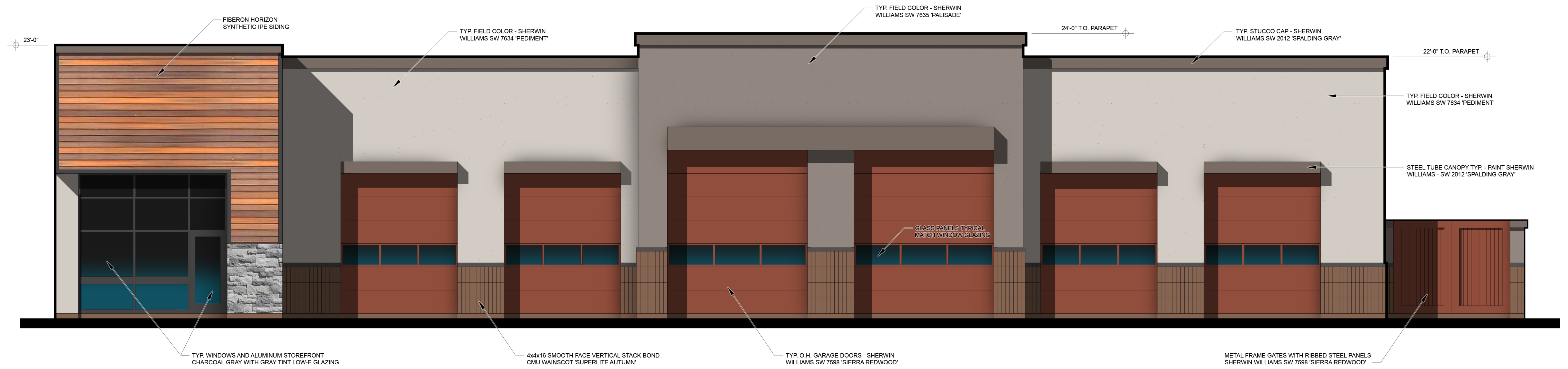
TRASH ENCLOSURE ELEVATIONS

SCALE - 1/4" = 1'-0"



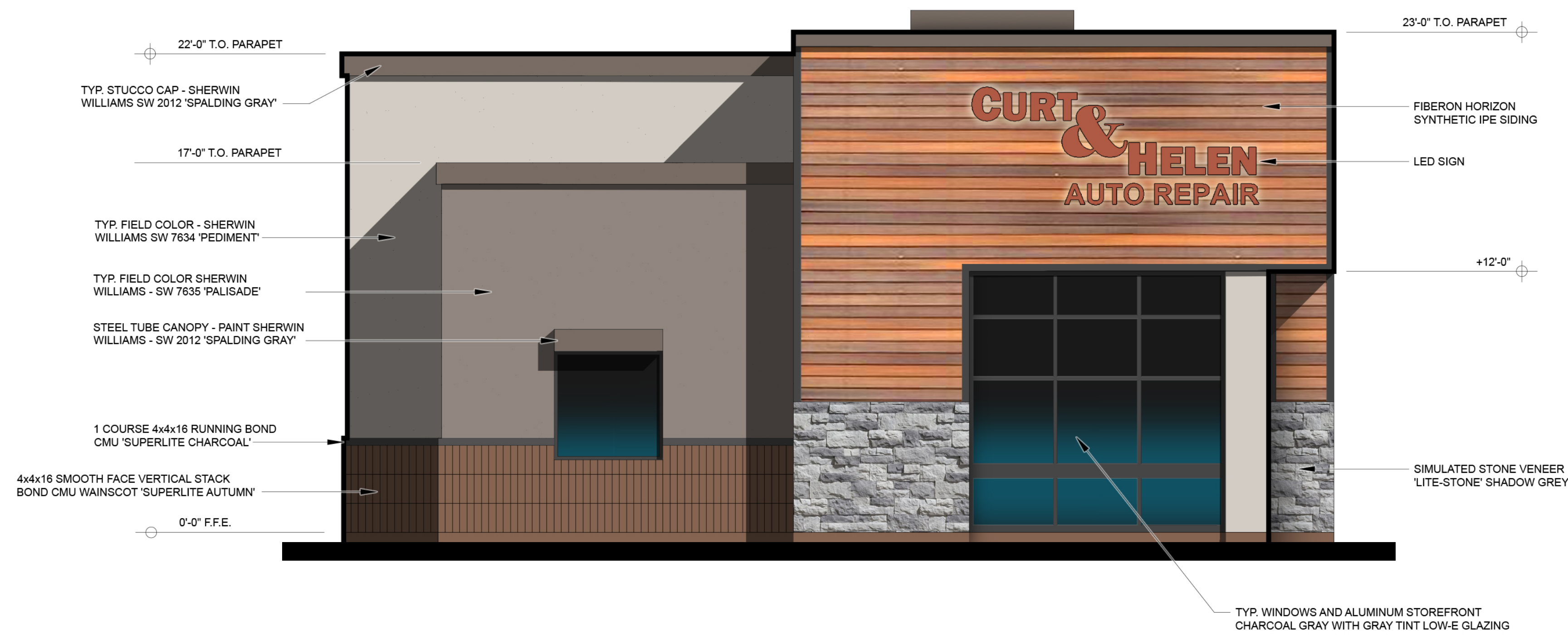
BUILDING SECTION A-A

SCALE - 1/4" = 1'-0"



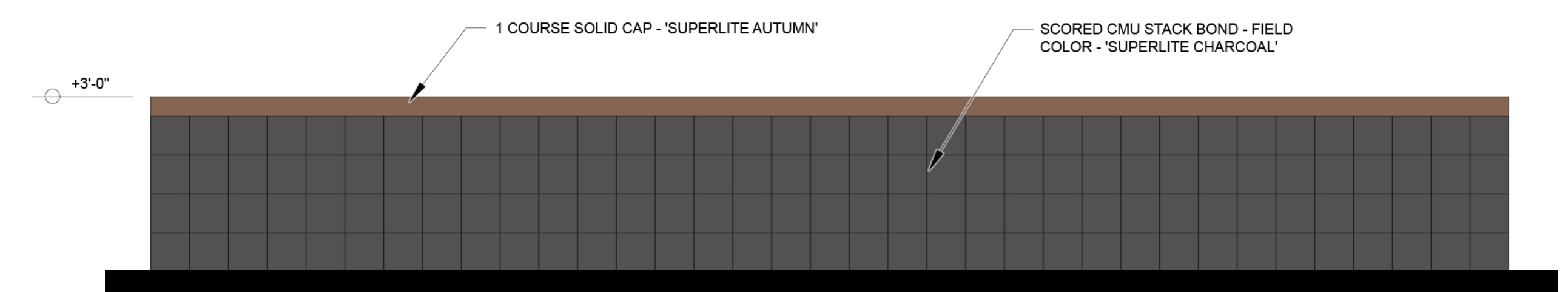
WEST ELEVATION

SCALE - 1/4" = 1'-0"



NORTH ELEVATION

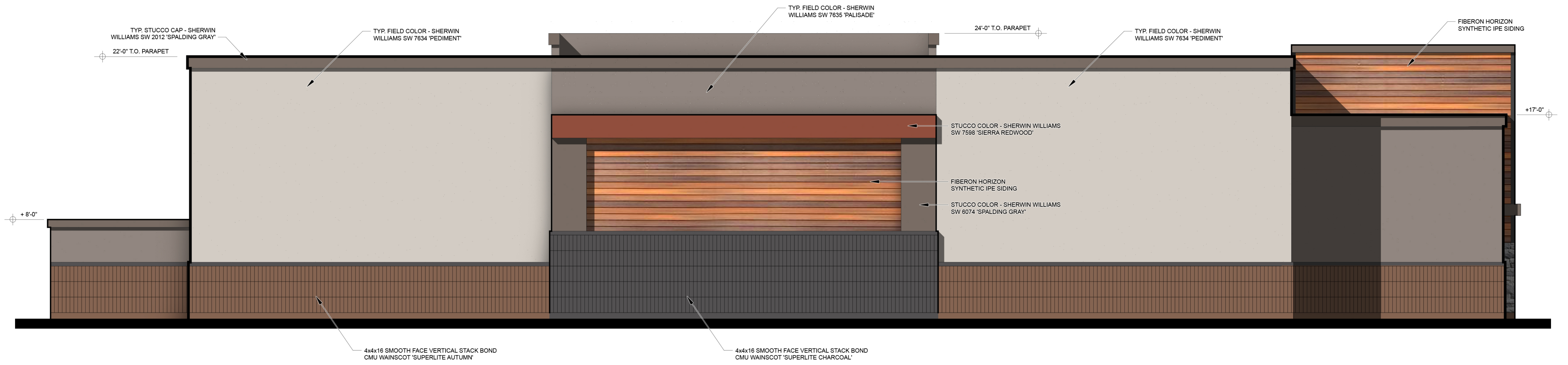
SCALE - 1/4" = 1'-0"



SCREEN WALL ELEVATION

SCALE - 1/2" = 1'-0"

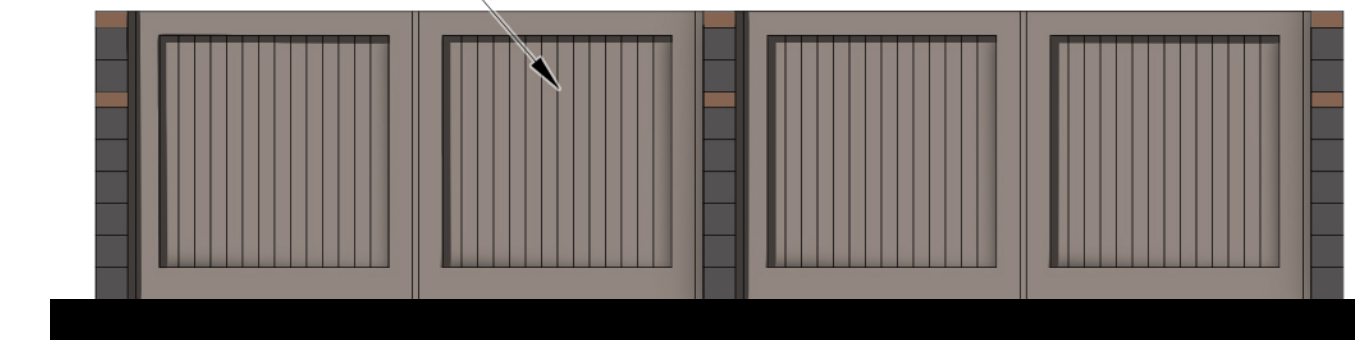
RODRIGO AUTO REPAIR
 ARCHITECTS SOUTHWEST
 ARCHITECTURE PLANNING
 PO Box 4510 • MESA, ARIZONA 85211 • 480-835-1981



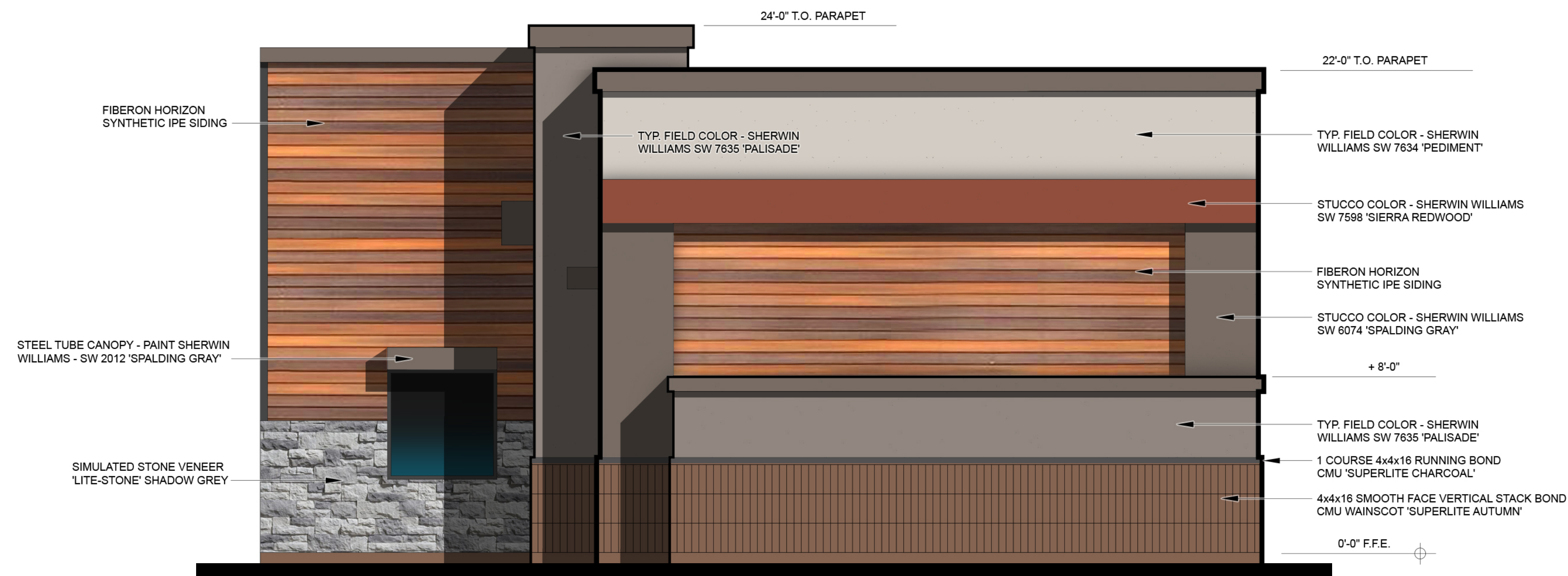
EAST ELEVATION

SCALE - 1/4" = 1'-0"

METAL FRAME GATES WITH RIBBED STEEL PANELS SHERWIN WILLIAMS SW 7635 'PALISADE'

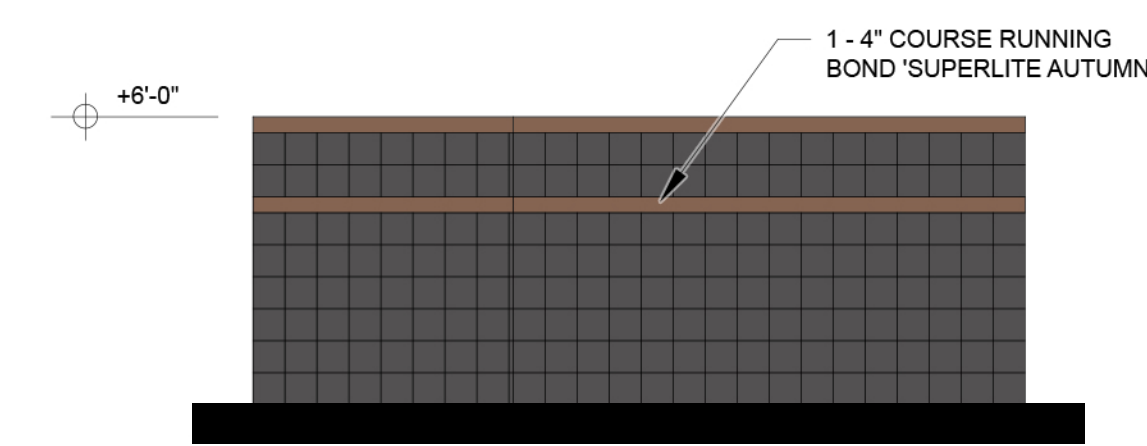


REAR ELEVATION

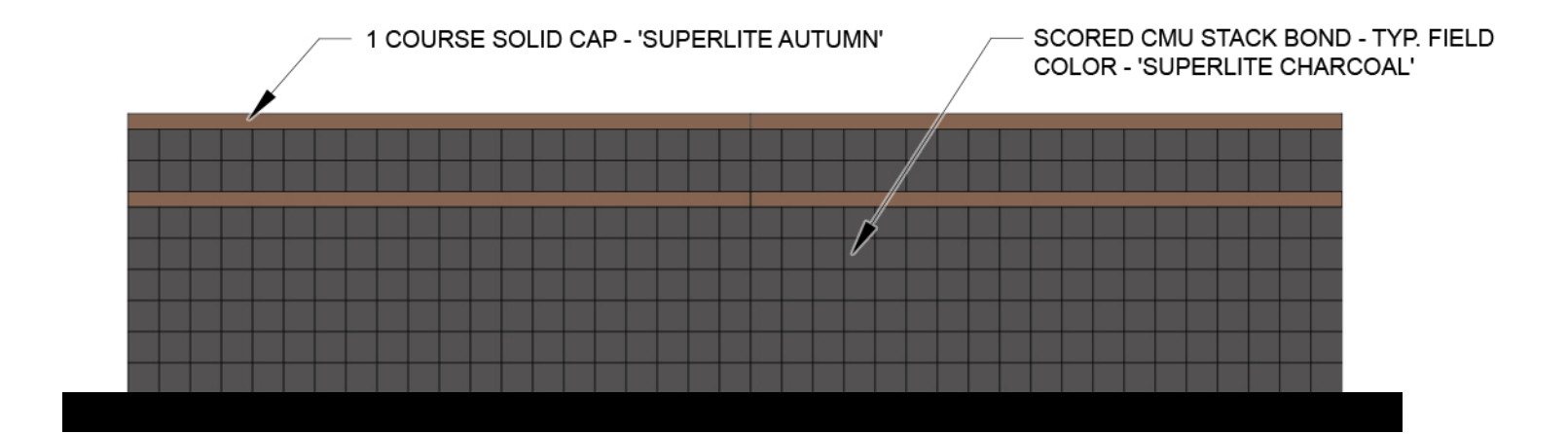


SOUTH ELEVATION

SCALE - 1/4" = 1'-0"



TYPICAL SIDE VIEW



REAR ELEVATION

TRASH ENCLOSURE ELEVATIONS

SCALE - 1/4" = 1'-0"

RODRIGO AUTO REPAIR

ARCHITECTS SOUTHWEST
ARCHITECTURE PLANNING

PO Box 4510 • MESA, ARIZONA 85211 • 480-835-1981

CITY OF MESA GENERAL NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL PUBLIC UTILITIES, PUBLIC STREET IMPROVEMENTS, AND RIGHT-OF-WAY LANDSCAPING. FOR INFORMATION REGARDING AVAILABILITY AND COST OF RIGHT-OF-WAY PERMITS, CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT (480) 644-4273 OR AT HTTP://WWW.MESA.AZ.GOV/DEVSUSTAIN/CONSTRUCTIONPERMITS.ASPX. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED UNLESS OTHERWISE NOTED. CONTRACTORS MUST HOLD THE APPROPRIATE CLASS OF LICENSE AND SHALL HAVE ON FILE WITH THE PERMIT SERVICES SECTION PROOF OF INSURANCE COVERAGE. PERMITS BECOME INVALID AND MUST BE UPDATED IF WORK HAS NOT BEGUN WITHIN NINETY (90) DAYS. PERMITS ALSO BECOME INVALID IF THE CONTRACTOR'S INSURANCE LAPSES OR IS VOIDED.
- TWENTY FOUR (24) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK, CONSTRUCTION OR INSTALLATIONS ASSOCIATED WITH THIS PERMIT, THE PERMITTEE SHALL NOTIFY CITY OF MESA ENGINEERING DEPARTMENT AT (480) 644-2251 OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRELIMINARY FIELD REVIEW AT THE PROJECT SITE WITH THE CITY OF MESA ENGINEERING DEPARTMENT CONSTRUCTION INSPECTOR (CITY INSPECTOR). FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE SHALL RESULT IN THIS PERMIT BECOMING INVALID AND WORK BEING STOPPED.
- CONTRACTOR'S SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY RIGHT-OF-WAY PERMITS, AND SHALL COMPLY WITH THE RIGHT-OF-WAY PERMIT CONDITIONS AS FOUND ON THE BACK OF THE PERMIT FORM.
- THE CITY OF MESA PARKS & RECREATION DIVISION IS NOT REPRESENTED BY BLUE STAKE. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO A CITY PARK, THE CONTRACTOR SHALL CONTACT THE PARKS & RECREATION ADMINISTRATION SECTION AT (480) 644-2354 TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL OBTAIN AN EARTH-MOVING PERMIT FROM THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL.
- THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFILIATED COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED AND ALL EXISTING AND/OR PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. THE ENGINEER OR ARCHITECT ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN CORRECTLY PLOTTED/SHOWN.
- THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION THAT ALL PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM SEWER, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS PROVIDED BY THE ENGINEER TO THE CITY'S ENGINEERING DEPARTMENT.
- THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
- THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE PROJECT. THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING FOR THE RELOCATION OR REMOVAL OF UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.
- THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE WORKING DAYS PRIOR TO DIGGING. CALL SAL RIVER PROJECT FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT (602) 273-8888.
- WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261 FOR INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH.
- CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE CURRENT CITY OF MESA TRAFFIC BARRICADE MANUAL.
- IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT METER FROM PERMIT SERVICES AND PAY ALL APPLICABLE FEES AND CHARGES.
- IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO COMPLY WITH A REQUEST OF THE CITY INSPECTOR, AND IT IS NECESSARY FOR CITY FORCES TO DO WORK THAT IS NORMALLY THE CONTRACTOR'S RESPONSIBILITY, THE CITY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY CITY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE RATES.
- THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. UNLESS OTHERWISE APPROVED BY THE CITY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A RESULT OF CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.

CITY OF MESA PUBLIC STREET/RIGHT-OF-WAY IMPROVEMENTS NOTES

- THE DEVELOPER AND THE CONTRACTOR ARE REQUIRED TO COORDINATE THE PLACEMENT OR INSTALLATION OF DRIVEWAYS IN ORDER TO AVOID CONFLICT WITH UTILITY SERVICES.
- ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC., SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE AFTER PLACING OF ASPHALTIC SURFACE COURSE BY THE CONTRACTOR PER M.A.G. STANDARD DETAIL 270 AND 422.
- THE CONTRACTOR SHALL ADJUST ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. THAT ARE LOCATED WITHIN THE PARKWAY AREA AFTER FINAL GRADING AND INSTALLATION OF LANDSCAPING.
- ALL LANDSCAPING IMPROVEMENTS, INCLUDING IRRIGATION SYSTEMS WITHIN THE PUBLIC RIGHT-OF-WAY OR RETENTION BASINS THAT ARE TO BE MAINTAINED BY THE CITY OF MESA, SHALL BE IN ACCORDANCE WITH THE LANDSCAPING AND IRRIGATION STANDARDS BOOKLET.
- THE STREET PAVING PERMITTEE/CONTRACTOR IS HEREBY NOTIFIED THAT IN THE EVENT THAT ACCEPTANCE OF THE PUBLIC STREET PAVING IS DELAYED; SIX MONTHS OR MORE AFTER THE PAVEMENT WAS INSTALLED, THE PERMITTEE/CONTRACTOR SHALL APPLY A SEAL COAT TO THE PAVEMENT. TYPE OF MATERIAL AND RATE OF APPLICATION WILL BE DIRECTED BY THE CITY OF MESA ENGINEERING DEPARTMENT - FIELD SUPERVISING ENGINEER.
- A STANDARD RESIDENTIAL DRIVEWAY APPROACH SHALL BE CONSTRUCTED TO A MAXIMUM WIDTH OF 30 FEET UNLESS SPECIAL APPROVAL HAS BEEN OBTAINED.

FIRE NOTES

- STRUCTURE CONSTRUCTION, ALTERATION OR DEMOLITION SHALL COMPLY WITH IFC CHAPTER 14 AND NFPA 241.
- VERTICAL CONSTRUCTION WITH COMBUSTIBLE MATERIALS SHALL NOT BEGIN PRIOR TO ACCEPTANCE OF FIRE ACCESS ROADS AND FIRE HYDRANTS.

CITY PUBLIC WASTEWATER UTILITY NOTES

- CONTRACTORS SHALL VERIFY ALL INVERT ELEVATIONS BEFORE PROCEEDING WITH THE BALANCE OF THE UTILITY TRENCHING.
- ALL MANHOLES PER M.A.G. DETAILS MUST NECK DOWN TO USE THE STANDARD 30-INCH FRAME AND COVER. STEPS SHALL NOT BE INSTALLED WITHIN THE MANHOLE.

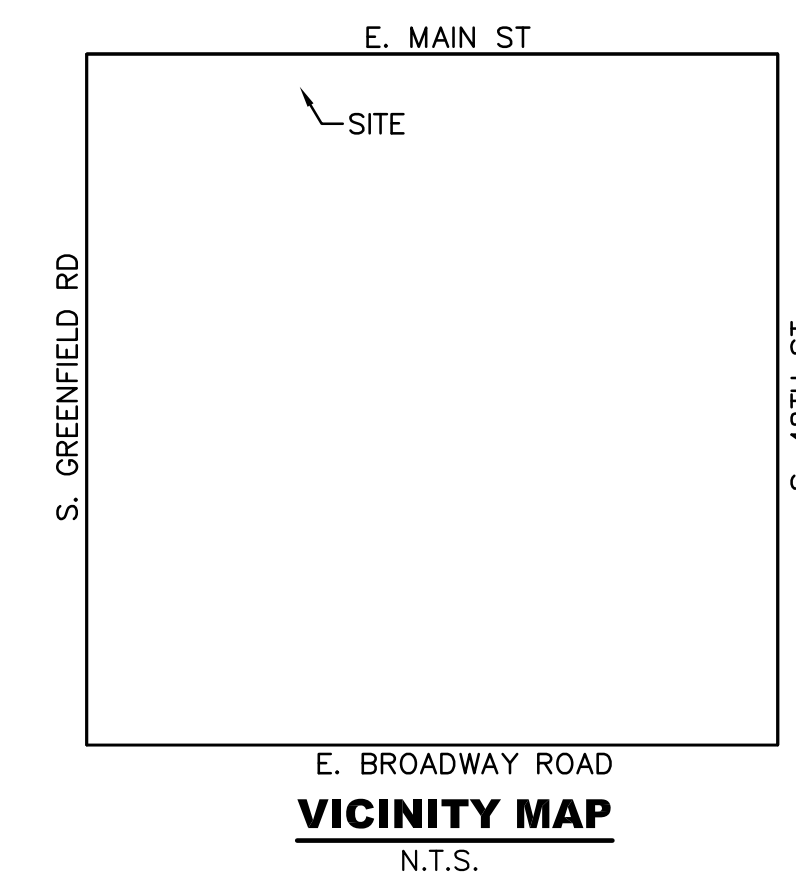
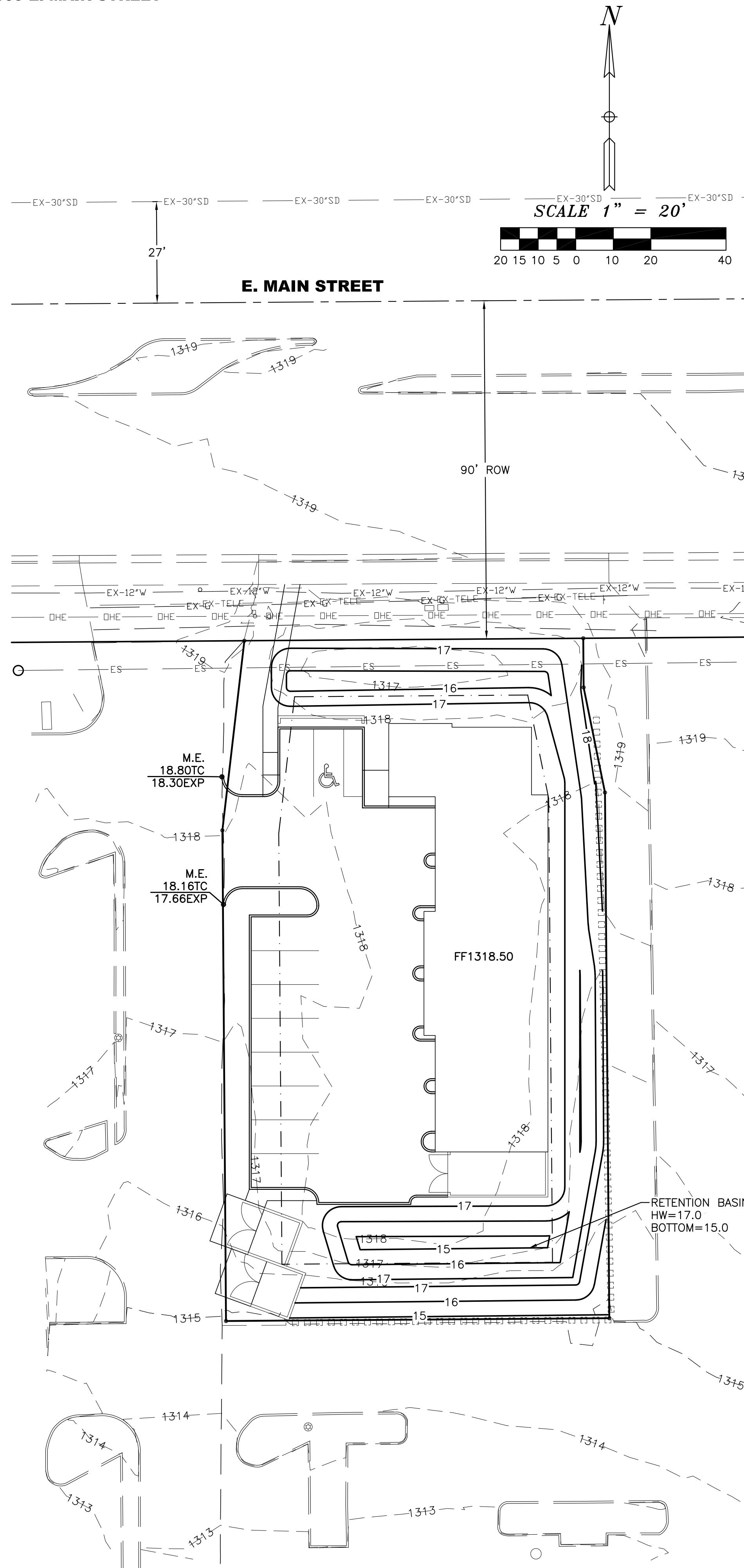
CITY OF MESA PUBLIC WATER UTILITY NOTES

- ALL PUBLIC WATER MAIN MATERIALS SHALL BE PER SECTION 610.3 OF THE M.A.G. UNIFORM STANDARD SPECIFICATIONS. ALL DUCTILE IRON PIPE (D.I.P.) WATER MAINS SHALL HAVE POLYETHYLENE CORROSION PROTECTION PER SECTION 610.5 OF THE M.A.G. UNIFORM STANDARD SPECIFICATIONS.
- ALL NEW WATERLINES THAT REQUIRE SERVICE DISRUPTION IN ORDER TO CONNECT TO THE CITY SYSTEM SHALL REQUIRE A DAYTIME TIE-IN. THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO RESTORE UTILITY SERVICE AND FULLY OPEN THE TIE-IN AREA TO VEHICULAR TRAFFIC WITHIN THE TIME FRAME ALLOWED BY THE CITY OF MESA ENGINEERING CONSTRUCTION INSPECTOR.
- THE CONTRACTOR SHALL INSTALL A TEMPORARY PLUG OR VALVE ON A SECTION OF NEW WATER LINE TO TEST LINES BEFORE CONNECTING TO THE EXISTING PUBLIC WATER SYSTEM WHERE THERE IS NO WATER VALVE ON THE EXISTING LINE.
- WATER LINE TESTS SHALL BE CONDUCTED SO THAT EXISTING WATER LINES WILL NOT BE INCLUDED IN THE TEST OF THE NEW LINE.
- THE REQUIRED BACKFLOW PREVENTION ASSEMBLY SHALL BE A MANUFACTURER AND MODEL DESIGNATED IN THE CURRENT "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES" AS PUBLISHED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA.
- THE BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED AND APPROVED BY A CERTIFIED TECHNICIAN DESIGNATED IN THE CURRENT CITY OF MESA "LIST OF APPROVED INSPECTORS" PRIOR TO THE REQUEST FOR FINAL INSPECTION.
- IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R18-4-119, ALL MATERIALS ADDED AFTER JANUARY 1, 1993, WHICH MAY COME INTO CONTACT WITH DRINKING WATER, SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61.
- PER CITY ORDINANCE NO. 2341, ALL WATER METERS ARE TO BE PURCHASED FROM THE CITY OF MESA. METERS TWO INCHES OR LESS WILL BE DELIVERED AND INSTALLED BY CITY FORCES. METERS LARGER THAN TWO INCHES WILL BE DELIVERED BY THE CITY AND INSTALLED BY THE CONTRACTOR AND REQUIRE SCHEDULING AND INSPECTIONS WITH CITY FORCES (CONTACT DEVELOPMENT SERVICES DEPARTMENT AT 480-644-4273 FOR THE SPECIFIC PROCEDURE).

RETENTION CALCULATIONS

LOT AREA = 18493 SF
 AREA ROOF/CONCRETE = 4250 SF
 AREA ASPHALT = 5450 SF
 AREA LAWN = 8793 SF
 VOLUME REQUIRED = (4250(0.95) + 5450(0.85) + 8793(0.25)) * (2.16"/12) = 1956 CF
 VOLUME PROVIDED = ((3311 SF + 167 SF)*2') = 3478 CF
 BLEED OFF TO EXISTING STORM DRAIN IN MAIN STREET.

AUTO REPAIR
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 1 NORTH, RANGE 6 EAST, OF THE G.&S.R.B.&M., MARICOPA COUNTY, ARIZONA
4509 E. MAIN STREET



LEGAL DESCRIPTION
 LEGAL PER DOCUMENT 2019-0812088,
 RECORDS OF MARICOPA COUNTY, ARIZONA

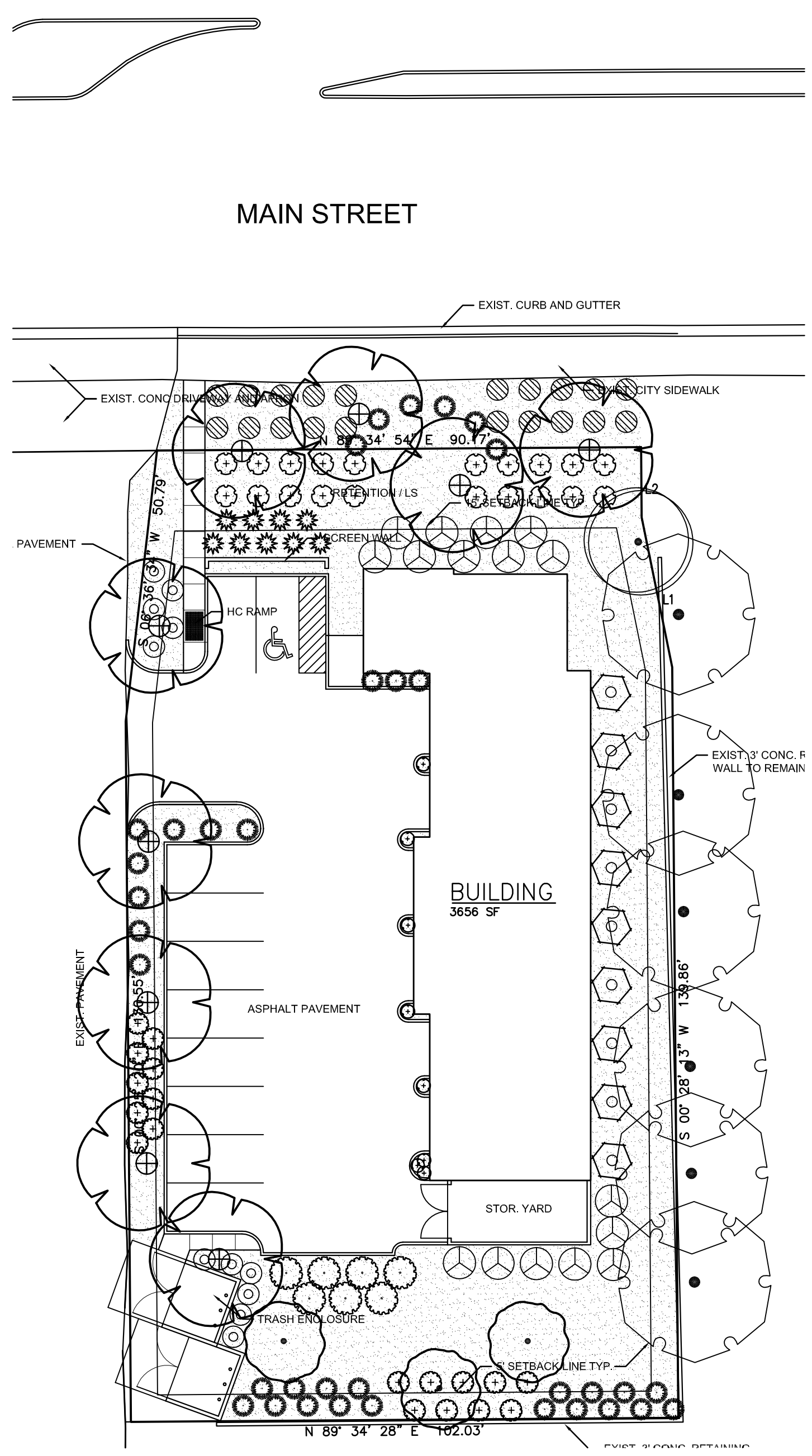
OWNER
 T&R SPECIALISTS LLC
 5414 E. DOLPHIN CIRCLE
 MESA, AZ 85206

BENCHMARK
 BRASS TAG TOP OF CURB AT THE
 NORTHEAST CORNER OF GREENFIELD ROAD
 AND MAIN STREET
 ELEVATION=1314.21 (CITY OF MESA DATUM)

SITE DATA
 APN 140-32-001T
 ZONING: LC
 NET AREA = 18493 SF

ARCHITECT
 ARCHITECTS SOUTHWEST
 ATTN: DAVID MASON
 PO BOX 4510
 MESA, AZ 85211
 PHONE: 480-835-1981
 ARCHITECTSSW@COX.NET

JOB NUMBER	19-173
	DRAWING PGD19173
DATE	02-21-20
SHEET	1 OF 1
AUTO REPAIR PRELIMINARY GRADING AND DRAINAGE PLAN 4509 E. MAIN STREET MESA, AZ	
ARIZONA BLUE STAKE CALL THE NUMBER ON STAKE TO STAKE DIAL 811 OR 602-263-1100 1-800-STAKE-IT (EXCEPT MARICOPA COUNTY)	
PRELIMINARY PROFESSIONAL ENGINEER GARNER ARIZONA U.S.A.	

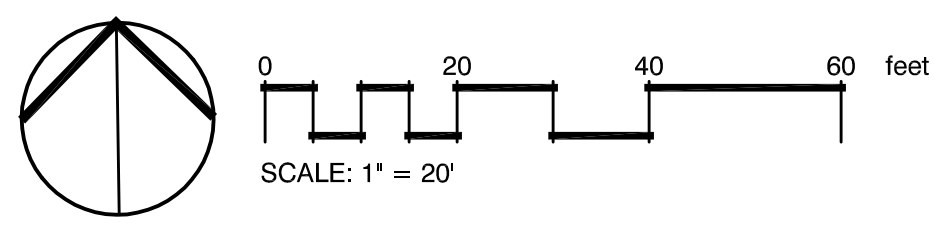


PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE	QTY
	Caesalpinia cacalaco 'Smoothie' TM Casalote	15 gal.	3
	Dalbergia sissoo Rosewood	Existing	6
	Olea europaea 'Fruitless' Fruitless Olive	24"	9
	Parkinsonia x 'Desert Museum' Desert Museum Palo Verde	Existing	1
SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY
	Carissa macrocarpa 'Boxwood Beauty' Beauty Natal Plum	5 gal.	20
	Chrysactinia mexicana Damianita	1 gal	8
	Dodonaea viscosa 'Purpurea' Purple Leafed Hopseed Bush	5 gal	7
	Hesperaloe parviflora 'Brakelights' TM Brakelights Red Yucca	5 gal.	9
	Justicia spicigera Mexican Honeysuckle	5 gal	18
	Lantana montevidensis Trailing Lantana	1 gal	20
	Leucophyllum frutescens 'Compacta' Compact Texas Ranger	5 gal	16
	Muhlenbergia capillaris 'Regal Mist' TM Regal Mist Deer Grass	5 gal	35
	Ruellia penninsularis Wild Petunia	5 gal	11
	Tecoma stans angustata Yellow Bells	5 gal	9

REFERENCE NOTES SCHEDULE

SYMBOL	ROCK DESCRIPTION	QTY
	1/2" Screened Decomposed Granite Madison Gold	54.00 cy



LAREDO SERIES

LMC - 30LEDs

Cat.#	
Job	Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Full cut-off IDA compliant perimeter or entry lighting for 10-18ft mounting heights that require high light output and maximum energy efficiency. Laredo LMC-30 LED wallpack provides low installation costs with little or no maintenance and up to 80% energy savings. Ideal for schools, factories, hospitals, warehouses and retail applications.

Construction:

Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for over 70% lumen maintenance at 50,000 hours minimum LED life. Lektrocote® series powder paint finishes provide lasting appearance in outdoor environments. Five standard finishes include: Bronze, Black, Gray, White and Platinum.

Optics/Electrical

LED:

30 High power LEDs delivers up to 7300 lumens at 700mA and up to 3489 lumens at 350mA. Variety of distributions – Types II, III and IV (Forward throw). High CRI LEDs provide excellent color rendition with up to 100 lumens per watt efficiency.

- CCT- 5000K/ 70 CRI, 4000K/ 70 CRI, 3000K/70 CRI
- Electronic driver 71w system (2 drivers, 2 circuits), 0.4 AMPS max, or 35w (1 driver, 2 circuits), 0.3 amps max, 120-277V and 347V and 480V, 50/60Hz
- Surge protection – 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 2)

Lenses:

Full cut-off distribution - individual acrylic LED optics provide IES Type II, III and IV distributions.

Installation:

Quick mount system provides rigid mounting over recessed junction boxes – fixture does not require opening for mounting. Foam gasket for sealing to smooth surfaces provided. Superior performance with 5 to 1 spacing to mounting height ratio. Minimum operating temperature is -40°C/ -40°F.

Controls:

Drivers are 0-10V dimming standard. Photocell and occupancy sensor options available for complete on/off and dimming control.

Listings:

- Listed to UL1598 for wet locations
- 40° C ambient environments
- U.S. Patent No. D563,587
- DesignLights Consortium (DLC) qualified, Consult DLC website for more details: <http://www.designlights.org/QPL>

LMC-30LU Egress Wallpack:

Designed to meet strict 1fc minimum requirements. At 12ft mounting height 1fc covers 16x16ft area, well beyond the 10x10ft standard; No upright, external test button; 120V or 277V only; Rated -20° C to 35° C

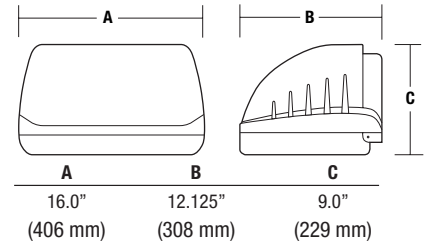
Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

PRODUCT IMAGE(S)



DIMENSIONS



ORDERING INFORMATION

ORDERING EXAMPLE: LMC-30LU-5K-3-1-PC(4)

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS
LMC	30LU	3K	2	BLANK	1	BBU ¹
Laredo	30 LEDs, Universal voltage 120-277V	3000K nominal	Type II	STD 700MA	Bronze	Integral battery for 120 or 277V rated for -20° C ambient; Available in 350mA (035) drive current only
Medium	30L1	4K	3	035	Black	PC ¹
Cut-off	30 LEDs, 120V	4000K nominal	Type III	350MA	Gray	Button photocontrol (must specify voltage per footnote 1, not available in 480V)
	30L2	5K	4		White	F ¹
	30 LEDs, 208V	5000K nominal	Type IV (Forward throw)		Platinum	Fusing (specify voltage per footnote)
	30L3					SCP ^{2,3}
	30 LEDs, 240V					Programmable motion control, factory default is 10% light output
	30L4					
	30 LEDs, 277V					
	30LF					
	30 LEDs, 347V					
	30L5					
	30 LEDs, 480V					

SPECIFY SCP HEIGHT

- 8F Up to 8ft mount height
- 20F Up to 20ft mount height

1 Specify voltage, for PC(X) and FX(), replace X with 1-120V, 2-208V, 3-240V, 4-277V, 6-347V, 5-480V
2 Must order minimum of one SCP-REMOTE to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V-277V only
3 PC option not applicable, included in sensor



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

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LMC-SPEC February 22, 2019 11:08 AM

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
LMC-SPC	Polycarbonate shield
PBT-1	120V button photocontrol
PBT-234	208/240/277V button photocontrol
93044764	40w, 700mA, 120-277V, 0-10V dimming driver
93052458	20KA surge protection with an end of life LED indicator
SCP-REMOTE	Remote control for SCP option; order at least one per project to program and control

PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)										
				LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G						
30	BBU*	-	3	1546*	-	-	-	-	1405*	-	-	-	-	1101*	-	-	-	-						
				2	3870	111	1	0	1	3813	109	1	0	1	3622	103	1	0	1					
				3	3972	113	1	0	1	3913	112	1	0	1	3717	106	1	0	1					
	350mA	35w			4	3903	112	1	0	2	3845	110	1	0	2	3653	104	1	0	2				
					2	7064	101	2	0	2	6960	99	2	0	2	6612	94	2	0	2				
					3	7315	105	1	0	2	7207	103	1	0	2	6847	98	1	0	2				
					4	7141	102	1	0	3	7035	101	1	0	3	6683	95	1	0	2				
					700mA	70w			2	7064	101	2	0	2	6960	99	2	0	2	6612	94	2	0	2
									3	7315	105	1	0	2	7207	103	1	0	2	6847	98	1	0	2
									4	7141	102	1	0	3	7035	101	1	0	3	6683	95	1	0	2
									2	7064	101	2	0	2	6960	99	2	0	2	6612	94	2	0	2
									3	7315	105	1	0	2	7207	103	1	0	2	6847	98	1	0	2
4	7141	102	1	0					3	7035	101	1	0	3	6683	95	1	0	2					

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application. Please consult IES files for BUG ratings.
*BBU emergency mode lumen output.

ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
30	-035 (350mA)	120	0.33	35.00
		277	0.14	35.00
		120	0.60	70.00
	STD. (700mA)	208	0.35	70.00
		277	0.26	70.00
		347	0.22	70.00
		480	0.16	70.00

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 ¹ L96 60,000	100,000	L70 (hours)
25°C / 77°F	1.00	0.97	0.95	0.95	0.92	>539,000

1. Projected per IESNA TM-21-11 * (Nichia 219B, 700mA, 85°C Ts, 10,000hrs)
Data references the extrapolated performance projections for the LMC-30LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER	
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99
50° C	122° F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

SURGE PROTECTION

- Field replaceable surge protection device (SPD) provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3
- The SPD is designed with a clamping voltage of 1600V at 20KA using industry standard 8/20µs waveform
- Max surge current = 20,000 Amps (see table)
- LED Indicator – Green LED is unlit at end of life

Pulse Rating (8 x 20 µSec)	
Strikes	Surge
1	20,000 A
2	15,000 A
15	10,000 A
120	3,000 A

	cRUus	CE
I _n	10KA	5KA



Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

FEATURES

- A unique vertically-finned die-cast housing that optimizes heat transfer to keep the fixture cool and maximize component life
- Mounting versatility with choice of traditional straight, architectural upswept die-cast aluminum or mast arm fitter designs
- Optional vandal resistant guard provides additional protection when necessary
- 20KA surge protection with an end of life LED indicator
- Maintenance free housing designed to IP65 and 60,000 hours life



RELATED PRODUCTS

- ⌘ [Cimarron CL1S](#)
- ⌘ [RAR1 Ratio](#)
- ⌘ [RAR2 Ratio](#)
- ⌘ [Arceos™ ARA3](#)
- ⌘ [Airo](#)
- ⌘ [Viper](#)



*3000K and warmer CCTs only

SPECIFICATIONS

HOUSING

- Stylish vertically finned die-cast solid top housing for maximum heat dissipation; Stops collection of unsightly debris from gathering on top of the housing
- Rugged lower die-cast aluminum heat sink accelerates thermal management and optimizes PCB and optical performance
- One piece die cut silicone gasket ensures weather proof seal around each individual LED for IP65 rating
- Separate optical and electrical compartment for optimum component operation
- Backlight Control (BC) option available for 85% spill light reduction, doesn't change fixture appearance or EPA, recommended for Type III and Type IV distributions
- Stamped bezel provides mechanical compression to seal the optical assembly
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

OPTICS

- Choice of 30, 60 or 90 high brightness LED with individual acrylic lenses specially designed for IES Type II, III, IV and V distributions

OPTICS (CONT'D)

- Auto optics designed for front row 1A and interior rows 2A
- CCT: 3000K (70 CRI), 4000K (70 CRI), 5000K (70 CRI), and turtle friendly Amber LED options

INSTALLATION

- Two die-cast aluminum arm designs: The decorative arm offers a sleek upswept look while the straight arm follows the housing's contoured lines for continuity of style
- Fixture ships with arm installed for ease of installation and mounts to #2 drill pattern
- Wall bracket, mast arm fitter and pole accessories are also available allowing easy mounting for virtually any application

ELECTRICAL

- Drivers have greater than 90% power factor and less than 10% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Optional continuous dimming to 10% or dual circuitry available
- Universal input voltage 120-277 VAC, 50/60 Hz
- Surge protection – 20KA; Turns fixture off at end of life; Has LED for end of life indication

OPTIONS/CONTROLS

- Drivers are 0-10V dimming standard. Photocell, occupancy sensor and wireless controls available for complete on/off and dimming control

CERTIFICATIONS

- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.024 for wet locations
- IDA approved
- IP65

WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	6,500–30,000
Wattage Range	70–350w
Efficacy Range (LPW)	73–122
Fixture Projected Life (Hours)	>60,000
Weights lbs. (kg)	45 (20.4)



Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

ORDERING GUIDE

Example: CL1-A-90LU-5K-3-DB-RPA3

CATALOG # _____

ORDERING INFORMATION

CL1	Series	Mounting	No. of LEDs	Voltage	CCT	Distribution	Drive Current
CL1	Cimarron LED	A Arm mount AD Decorative arm mount MAF Mast arm fitter	90L 90 High brightness LEDs 60L 60 High brightness LEDs 30L 90 High brightness LEDs	U ¹ 120-277, 50/60 Hz 1 120 2 208 3 240 4 277 5 480, 60 Hz F 347, 60 Hz E ⁴ 220, 50 Hz	3K 3000K 4K 4000K 5K 5000K AM ⁴ Amber, 590 nm available	2 Type II 3 Type III 4 Type IV 5M V Medium 5S V Short 5W V Wide L Optic Rotation Left R Optic Rotation Right	Blank 700A 035 350mA Amber CCT only 105 1050mA

ORDERING INFORMATION CONTINUED

Color	Options
DB Dark Bronze	BC ³ Backlight control
BL Black	CD Continuous dimming
WH White	WB ⁶ Wall Bracket
BR Gray	RPA3 ⁶ 3" Round pole adapter
PS Platinum Silver	RPA4 ⁶ 4" Round pole adapter
CC Custom Color	RPA5 ^{6,12} 5" Round pole adapter
	RPA6 ^{6,12} 6" Round pole adapter
	F(X) ² Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, F-347)
	VG Vandal guard

CONTROLS

Control Options

Standalone

7PR	Photocell receptacle
SCO_F	On/Off control ^{6,7,9}
SCL_F	Add-on occupancy sensor for use with ext. wireless control device connected thru 7PR receptacle ^{6,7,9}
SWP	SiteSync Pre-Commission ^{5,6,7,9}
SWPM	SiteSync Pre-Commission w/ Sensor ^{9,10,11}

Networked – Wireless

WIR	wiSCAPE Fixture Module, in-fixture relay for wireless lighting control ⁸
WIRSC	wiSCAPE Fixture Module, in-fixture relay for wireless lighting control and motion/occupancy control ^{6,8}

Notes:

- Fuse option not available with universal voltage
- Select F3 fusing option for 220V
- Recommended for Type III and IV distributions only
- Available in 350mA drive current only Type IV, 5M
- 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one SCP-REMOTE control to program dimming settings (see accessories)
- Not available with AD arm
- Not available with WIR or WIRSC
- Not available with SCO, SCL, or SCP
- Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
- Specify group and zone. See SiteSync product page www.hubbellighting.com/controls/SiteSync for more details
- Not available in 90L-700mA or 1050mA versions
- Not available with AD decorative arm



Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

ORDERING GUIDE

ACCESSORIES AND SERVICES (ORDERED SEPARATELY)

Catalog #	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB ¹	SiteSync™ interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node.
SWTAB ¹	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR ²	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC
93052458	20KA surge protection with an end of life LED indicator

Notes:

- When ordering SiteSync at least one of these two interface options must be ordered per project.
- Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

ACCESSORIES: CONTROL SOLUTIONS (ORDERED SEPARATELY)

Catalog #	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE® Lighting Control

Notes:

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details

ACCESSORIES: REPLACEMENT PARTS (ORDERED SEPARATELY)

Catalog #	Description
CR-RPA3-XX ¹	Round pole adapter for straight arm (314 - 334")
CR-RPA4-XX ¹	Round pole adapter for straight arm (378 - 412")
CR-RPA5-XX ¹	Round pole adapter for straight arm (5")
CR-RPA6-XX ¹	Round pole adapter for straight arm (6")
WB-AREA-XX ¹	Wall bracket, Compatible with standard arm mount option
TPLB-XX ¹	Twin parallel luminaire bracket
MAF-CL-XX ³	Horizontal mast arm fitter for 2 3/8" OD arm. Mounts to standard 6" arm (ordered with fixture)

Notes:

- Replace XX with color choice, eg.: DB for Dark Bronze
- When ordering poles, specify Pole Drill Pattern #2
- Fixture must include standard 6" arm



Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

MOUNTING ACCESSORIES

Catalog #	Description
ARM-CL-K-TA-XX ¹	Adjustable mounting arm for single fixture (2-3/8 tenon) – 5 lbs. 2.3 kgs.
ARM-CL-TK-TA-XX ¹	Adjustable mounting arm for two fixtures at 180° (2-3/8 tenon) – 7 lbs. 3.2 kgs.
ARM-CL-K-S-XX ¹	10" adjustable arm – .5 lbs. .05 kgs. – 5.75 lbs. 2.6 kgs.

Notes:

- 1 Replace XX with color choice, eg.: DB for Dark Bronze
- 2 must include standard 6" straight arm

TENON TOP POLE BRACKET ACCESSORIES

Catalog #	Description
SETA2-XX ¹	Square pole tenon adapter (4 at 90 degrees)
RETA2-XX ¹	Round pole tenon adapter (4 at 90 degrees)
TETA-XX ¹	Hexagonal pole tenon adapter (3 at 120 degrees)

Notes:

- 1 Replace XX with color choice, eg.: DB for Dark Bronze

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



Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

ENERGY SAVING DATA

# of LEDs	Drive Current	System Watts		Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
		120-277V	347-480V		Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G
30	700mA	70W	80W	1A	8244	118	1	0	1	8162	117	1	0	1	6775	97	1	0	1
				2A	8202	117	1	0	1	8121	116	1	0	1	6740	96	1	0	1
				2	7715	110	2	0	3	7639	109	2	0	2	6340	91	2	0	2
				3	7712	110	2	0	2	7635	109	2	0	2	6371	91	1	0	2
				4	7803	111	1	0	2	7726	110	1	0	2	6412	92	1	0	2
				5S	8374	120	3	0	0	8291	118	3	0	0	6882	98	3	0	0
				5M	7940	113	3	0	1	7862	112	3	0	1	6525	93	3	0	1
				5W	7667	110	3	0	2	7591	108	3	0	2	6301	90	3	0	2
60	700mA	135W	150W	1A	16171	120	1	0	2	16011	119	1	0	1	13289	98	1	0	1
				2A	16088	119	1	0	2	15929	118	1	0	2	13221	98	1	0	2
				2	15134	112	3	0	3	14984	111	3	0	3	12437	92	3	0	3
				3	15127	112	3	0	3	14977	111	3	0	3	12498	93	2	0	3
				4	15306	113	2	0	3	15154	112	2	0	3	12578	93	2	0	3
				5S	16426	122	4	0	0	16263	120	4	0	0	13498	100	4	0	0
				5M	15575	115	4	0	2	15421	114	4	0	2	12799	95	3	0	2
				5W	15040	111	4	0	3	14891	110	4	0	3	12360	92	4	0	3
60	1050mA	220W	235W	1A	21139	96	2	0	2	20929	95	2	0	2	17371	79	2	0	2
				2A	21030	96	2	0	2	20822	95	2	0	2	17282	79	2	0	2
				2	19783	90	4	0	5	19587	89	3	0	5	16257	74	3	0	5
				3	19774	90	3	0	4	19578	89	3	0	4	16250	74	3	0	4
				4	20007	91	3	0	5	19809	90	3	0	5	16442	75	3	0	5
				5S	21471	98	5	0	0	21259	97	5	0	0	17645	80	5	0	0
				5M	20359	93	5	0	3	20158	92	5	0	3	16731	76	5	0	3
				5W	19660	89	5	0	4	19465	88	5	0	4	16156	73	5	0	4
90	700mA	205W	225W	1A	23781	116	2	0	2	23546	115	2	0	2	19543	95	2	0	2
				2A	23659	115	2	0	2	23425	114	2	0	2	19443	95	2	0	2
				2	22255	109	3	0	4	22035	107	3	0	4	18289	89	3	0	4
				3	22246	109	3	0	4	22026	107	3	0	4	18379	90	3	0	3
				4	22509	110	3	0	4	22286	109	3	0	4	18497	90	2	0	4
				5S	24156	118	5	0	0	23916	117	5	0	0	19851	97	4	0	0
				5M	22905	112	4	0	2	22678	111	4	0	2	18823	92	4	0	2
				5W	22117	108	5	0	3	21899	107	5	0	3	18176	89	5	0	3
90	1050mA	325W	350W	1A	31708	98	2	0	2	31394	97	2	0	2	26057	80	2	0	2
				2A	31545	97	2	0	2	31233	96	2	0	2	25923	80	2	0	2
				2	29674	91	4	0	5	29380	90	3	0	5	24385	75	3	0	4
				3	29661	91	3	0	4	29367	90	3	0	4	24505	75	3	0	4
				4	30011	92	3	0	5	29714	91	3	0	5	24663	76	3	0	4
				5S	32207	99	5	0	0	31888	98	5	0	0	26467	81	5	0	0
				5M	30539	94	5	0	3	30237	93	5	0	3	25097	77	4	0	2
				5W	29490	91	5	0	4	29198	90	5	0	4	24234	75	5	0	4



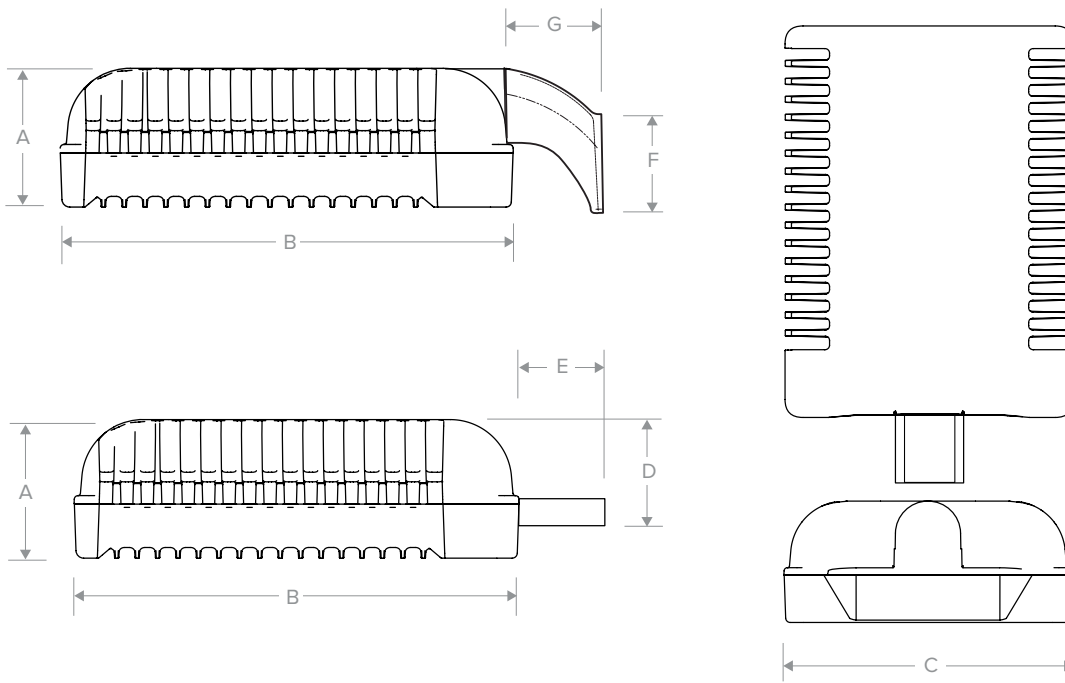
Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

ENERGY SAVING DATA

# of LEDs	Drive Current	System Watts	Amber			
			120-277V	Lumens	B	U
60	350mA	135W	2488	0	0	1
			2533	2	0	1
90	350mA	205W	3558	1	0	1
			3596	2	0	1

DIMENSIONS



A	B	C	D	E	F	G
6 3/4" (171mm)	21 3/4" (552mm)	16" (168mm)	6 5/8" (160mm)	6 5/16" (160mm)	5 5/8" (143mm)	6 1/8" (155mm)

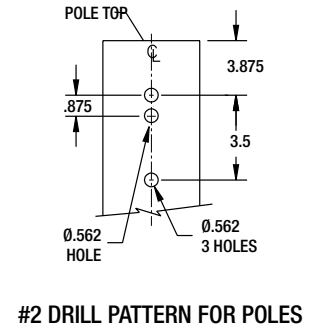
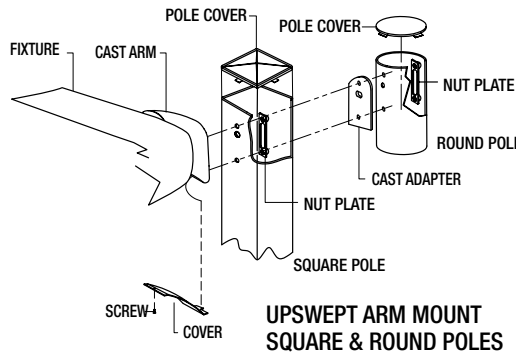
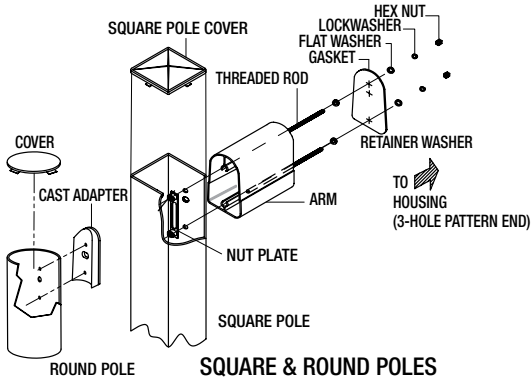
Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

ADDITIONAL INFORMATION

ACCESSORIES AND SERVICES

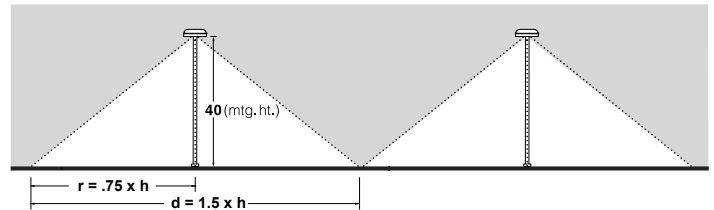
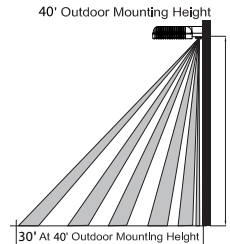
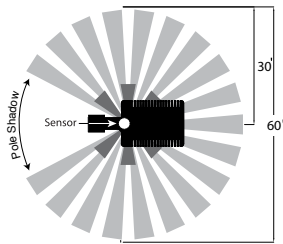
MAF – HORIZONTAL MAST ARM FITTER



MOTION CONTROLS

SCP - Designed for intermediate coverage area

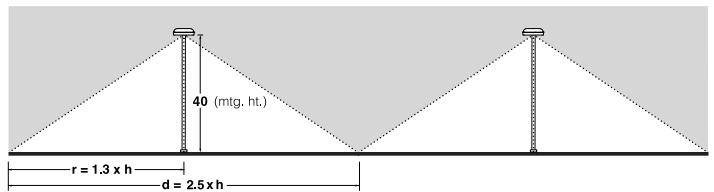
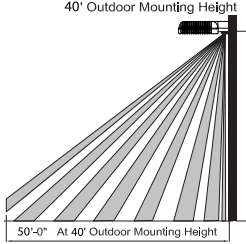
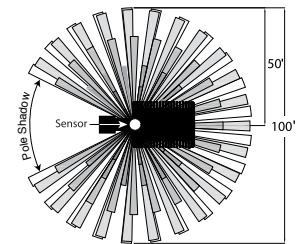
- Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds



- Vehicle detection is possible however less reliable than human detection; Vehicle detection is dependent upon the following: rate of speed, mounting height of luminaire and vehicle temperature

Note: Extreme heat or cold temperatures may limit detection.

SPW - Designed for widest coverage area



Note: Extreme heat or cold temperatures may limit detection.



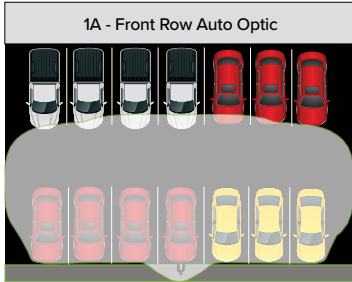
Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

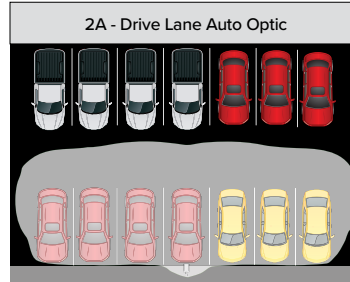
ADDITIONAL INFORMATION

AUTOMOTIVE DEALERSHIP OPTICS

Automotive Dealership applications Hubbell Outdoor Lighting has developed two optics designed for enhanced and proper lighting of the auto dealership merchandise and the front row 1A and interior rows 2A (See CL1 distribution information for details)



- Maximum illumination on front row display
- Maximum pole spacing



- Excellent front row illumination and drive lane
- Optimal uniformity for drive lane and interior rows

SURGE PROTECTION

Surge Protection (8x20 μ Sec)	
Strikes	Surge
1	20,000A
2	15,000A
15	10,000A
120	3,000A

	cRUus	CE
I_n	10KA	5KA

- Field replaceable surge protection device (SPD) provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3
- The SPD is designed with a clamping voltage of 1600V at 20KA using industry standard 8/20 μ s waveform
- Max surge current = 20,000 Amps (see table)
- LED Indicator – Green LED is unlit at end of life