

GUADALUPE COUNTY LUBE CENTER

SEGUIN, TEXAS

MEP ENGINEER
M&S ENGINEERING
6477 FM 311
SPRING BRACH, TEXAS 78070
830-228-5446

OWNER
GUADALUPE COUNTY
211 WEST COURT STREET
SEGUIN, TEXAS 78155

ARCHITECT
CAMPOS ARCHITECTURE, PLLC
P.O. BOX 241658
SAN ANTONIO, TEXAS 78224
210-683-9992

STRUCTURAL ENGINEER

M&S ENGINEERING

6477 FM 311

SPRING BRACH, TEXAS 78070

830-228-5446

CIVIL ENGINEER
M&S ENGINEERING
6477 FM 311
SPRING BRACH, TEXAS 78070
830-228-5446

FHC

FIRE HOSE CAB.

FACE OF BRICK

A		G		P		\bigvee	
AC	ACOUSTICAL	GALV	GALVANIZED	PH	PAPER HOLDER	WC WATER	R CLOSET
ADJ	ADJUSTABLE	Gl	GALVANIZED IRON	PERF	PERFORATED	WD WOOD	
ADD AL	ADDENDUM ALUMINUM	GA	GAUGE	PERP	PERPENDICULAR	WDW WINDO	
?	ANGLE	GC GEN	GENERAL CONTRACTOR	PLAM	PLASTIC LAMINATE		FLANGE R HEATER
ANOD	ANODIZED	GEN	GENERAL GROUND — FAULT INTERRUPTER	PL PLWD	PLATE PLYWOOD	W/ WITH	K HEATER
ARCH	ARCHITECT, ARCHITECTURE	GFRC	GLASS FIBER REINFORCED CONCRETE	PR	PAIR	W/O WITH	DUT
A.D ASPH	AREA DRAIN ASPHALT	GFRG	GLASS FIBER REINFORCED GYPSUM	PREFAB	PREFABRICATE (D)		RPROOFING
@ @	AT	GFRP GL	GLASS FIBER REINFORCED PLASTER	PSF	POUND PER SQUARE FOOT	WS WEATH WT WEIGH	IERSTRIP T
AFF	ABOVE FINISH FLOOR	G-LAM	GLASS GLUE — LAMINATED WOOD	PSI PT	POUND PER SQUARE INCH POINT		D WIRE FABRIC
ADA	AMERICANS WITH DISABILITIES ACT (1990)	GB	GRAB BAR	PTD	PAINTED		W WALL
В		GR	GRADE	POL	POLISHED	\vee	
		GYP BD	GYPSUM BOARD	PC	PRECAST PREFINISHED WALL BOARD		
ВМ	BEAM	Н		PWB PVC	POLYVINYL CHLORIDE	YD YARD	DRAIN, YARD
BITUM	BITUMINOUS	1 1		PVMT	PAVEMENT		
BL BLK	BUILDING LINE BLOCK	HB	HOSE BIB	PL	PROPERTY LINE		
BD	BOARD	HDR HM	HEADER HOLLOW METAL				
BUR	BUILT-UP ROOF	HT	HEIGHT	Q		SYMBO	LS
BLDG	BUILDING	HORIZ	HORIZONTAL	QT	QUARRY TILE		
		HMAC	HOT MIXED ASPHALT CEMENT PAVING	QTR	QUARTER		
		1			Q0711(1 <u>2</u> 1)		
CAB	CABINET			R		1 TITLE	
CPT	CARPET	IBC	INTERNATIONAL BUILDING CODE	R	RADIUS		" 01 DENOTES DRAWING NUMBER TITLE DENOTES DRAWING NAME
CLKG CLG	CAULKING CEILING	IG	INSULATING GLASS	RA	RETURN AIR		
CEM	CEMENT	ID	INSIDE DIAMETER	RCP	REFLECTED CEILING PLAN		
?	CENTER LINE	IPS INSUL	IRON PIPE SIZE INSULATION	REBAR	REINFORCING BAR		
CT	CERAMIC TILE	INT	INTERIOR	RECEP RECEPT	RECEPTION RECEPTACLE		NORTH ARROW
CB C	CHALK BOARD CHANNEL			RECEPT	RECTANGULAR		
CLO	CLOSET	J		RD	ROOF DRAIN		
CLR	CLEAR			RE	REFERENCE		
CFMF	COLD FORMED METAL FRAMING	JAN JT	JANITOR JOINT	REG REINF	REGISTRATION, REGISTER REINFORCE		EXTERIOR BUILDING ELEVATION
COL COMP	COLUMN COMPOSITE, COMPOSITION		JOINT	RESIL	RESILIENT	01A3.0	
COND	CONDITION	K		REQD	REQUIRED		
CONC	CONCRETE			REV	REVERSE	01A3.0	BUILDING SECTION
COORD	COORDINATE	KIT	KITCHEN	RH RO	RIGHT HAND ROUGH OPENING		DRAWING NUMBER 1 ON SHEET NUMBER A3.0
CMU CJ	CONCRETE MASONRY UNIT CONSTRUCTION JOINT			RP	RADIUS POINT	2A8.8	
CONT	CONTINUOUS						DETAIL REFERENCE
CONTR	CONTRACTOR	LAM	LAMINATE	S			DRAWING NUMBER 2 ON
CTSK CU	COUNTERSINK CUBIC	LAV LH	LAVATORY LEFT HAND	S&R	SHELF AND ROD		SHEET NUMBER A8.8
CO	CODIC	LHR	LEFT — HAND REVERSE	SAN	SANITARY	. I	
		LT WT	LIGHT WEIGHT	SCHED	SCHEDULED	A7.0	
2.2	201215	h 4		SD	SOAP DISPENSER	1	— DETAIL REFERENCE
DBL DIAG	DOUBLE DIAGONAL	M		SECT SF	SECTION SQUARE FEET		
DISP	DISPOSAL	MACH	MACHINE	SHT	SHEET	1	
DP	DAMPPROOFING	MH	MAN HOLE	SHR	SHOWER	4 (A4.5) 2	INTERIOR ELEVATION INDICATION
DET	DETAIL	MAINT MAS.	MAINTENANCE, MAINTAIN MASONRY	SIM SPC	SIMILAR SPECIAL COATING SYSTEM	3	
DIA DIM	DIAMETER DIMENSION	MATL	MATERIAL	SPEC	SPECIFICATION		
DWG	DRAWING	MAX.	MAXIMUM	SQ	SQUARE		
DF	DRINKING FOUNTAIN	MC	MEDICINE CABINET	STC	SOUND TRANSMISSION GLASS	(1)	DOOR NUMBER
DR DS	DOOR, DRAIN	MCW MDF	MINERAL CORE WOOD MEDIUM — DENSITY FIBERBOARD	STD STL	STANDARD STAINLESS STEEL		
DW DW	DOWNSPOUT DISHWASHER	MDO	MEDIUM — DENSITY OVERLAY	STL	STEEL	A >	WINDOW NUMBER
DWR	DRAWER	MEM WP	MEMBRANE WATERPROOFING	STOR	STORAGE		
		MECH	MECHANICAL	STRUCT	STRUCTURAL	Â	CIVILIDE CVADOI
L		MET MEZZ.	METAL MEZZANINE	SURF SUSP	SURFACE SUSPENDED		FIXTURE SYMBOL
EA	EACH	MFR	MANUFACTURER, MANUFACTURING	SYM	SYMMETRICAL	^	
EWC	ELEC WATER COOLER	MTP	METAL TOILET PARTITIONS			$\sqrt{1}$	SKYLIGHT SYMBOL
ELEC	ELECTRICAL	MIN	MINIMUM	T			CICTEROTT CTMBGE
EL ELEV	ELEVATION (HEIGHT) ELEVATION (DRAWING)	MO MTD	MASONRY OPENING MOUNTED			\bigcirc	
EQ	EQUAL	MUL	MULLION	T&G	TONGUE AND GROOVE	01)	APPLIANCE SYMBOL
EXH	EXHAUST	N I		TB TEL	TACK BOARD TELEPHONE		
EXIST	EXISTING	N		TEMP	TEMPERED, TEMPORARY, TEMPERATURE	(100)	ROOM NUMBER
EXP EXT	EXPANSION EXTERIOR	ND	NAPKIN DISPOSAL	THK	THICK		
EJ	EXPANSION JOINT	NV	NAPKIN VENDOR	TO	TOP OF	\/	
		NIC	NOT IN CONTRACT	TTD TDR	TOILET TISSUE DISPENSER TOWEL DISPENSER AND RECEPTACLE	<u> </u>	STEP SYMBOL
F		NTS NOM	NOT TO SCALE NOMINAL	TV	TELEVISION		
FWC	FABRIC WALL COVERING	NO	NUMBER	TYP	TYPICAL		
FIN.	FINISH					00.00	
FIXT	FIXTURE	\bigcirc					EXISTING GRADE
FLSHG	FLASHING	OA	OVERALL			00.00	NEW GRADE
FLR FLOOR	FLOOR FLUORESCENT	OC	ON CENTER	UL UNFIN	UNDERWRITERS LABORATORIES, INC. UNFINISHED	00.00	NEW SINDL
FD	FLOOR DRAIN, FINISH DIMENSION	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	UNO	UNLESS NOTED OTHERWISE	1	
FE	FIRE EXTINGUISHER	OFOI OFF	OWNER FURNISHED, OWNER INSTALLED	UTIL	UTILITY	<u> </u>	DIMENSION TO FACE
FEC	FIRE EXTINGUISHER CAB	OFF OD	OFFICE OUTER DIAMETER	\bigvee		· •	
FHC FOB	FIRE HOSE CAB.	OPNG	OPENING	V			DIMENSION TO CENTERLINE
FOC	FACE OF BRICK FACE OF CONCRETE	OHANG	OVERHANG	VENT	VENTILATING		
FOF	FACE OF FINISH	OPH	OPPOSITE HAND	VER	VERIFY	/	
FOM	FACE OF MASONRY			VERT	VERTICAL		
FOS FP	FACE OF STUD FIREPROOF (INC.)			VEST VIF	VESTIBULE VERIFY IN FIELD		LEVEL
FT	FOOT OR FEET			VIF	VERIFT IN FIELD VINYL COMPOSITION TILE		
FTG	FOOTING			VWC	VINYL WALL COVER	**	HUCE DID
GC	GENERAL CONTRACTOR						HOSE BIB
FHC	FIRE HOSE CAR					•	

CONCRETE

CONCRETE BLOCK

BRICK

EARTH

ASPHALT

CEMENT PLASTER

FIRE BRICK IN PLAN

INSULATION RIGID

CONTINUOUS WOOD

WOOD BLOCKING

WOOD FINISH

PLYWOOD

ALUMINUM

STONE

GLASS

INSULATION LOOSE BATT

ACOUSTICAL CEILING TILE

STEEL & OTHER METALS

ROD STOCK AND SEALANT

IC			

GENERAL NOTES

1. DRAWINGS ARE NOT TO BE SCALED. ARCHITECT TO BE NOTIFIED IN CASE OF DETAIL AND/OR DIMENSION DISCREPANCY.

2. DIMENSIONS ARE TYPICALLY TAKEN TO FACE OF STUD UNLESS NOTED OTHERWISE. 3. BRACKETED DIMENSIONS, [5'-0"], ARE FINISHED DIMENSIONS.

4. VERIFY "ROUGH OPENING" WINDOW DIMENSIONS WITH THE WINDOW FABRICATOR PRIOR TO FRAMING. 5. PROVIDE BLOCKING FOR ALL WALL HUNG SHELVES, TOWEL BARS,

TOWEL RINGS, CURTAIN RODS, MIRRORS, CHANDELIERS, SCONCES, ETC. 6. INSTALL FIRE BLOCKING & DRAFT STOPS TO CUT OFF ALL

CONCEALED DRAFT OPENINGS (BOTH VERTICAL & HORIZONTAL). 7. VERIFY LOCATION OF A/C RETURN AIR GRILLES W/ ARCHITECT PRIOR TO INSTALLATION.

8. ALL OWNER SUPPLIED ITEMS ARE INSTALLED BY GENERAL CONTRACTOR, PROVIDE ALLOWANCE FOR NECESSARY MATERIALS AND EQUIPMENT FOR PROPER INSTALLATION.

9. EXTERIOR STUDS ARE 2X4 UNLESS NOTED OTHERWISE.

10. INTERIOR STUDS ARE 2X4 UNLESS NOTED OTHERWISE.

11. VERIFY HOSE BIB LOCATIONS WITH OWNER.

INDEX OF DRAWINGS

COVER SHEET

A2.0 PHASING KEY FLOOR PLAN

A2.2 MEZZANINE FLOOR PLAN

A5.2 DOOR AND WINDOW SCHEDULES

A7.2 WALL SECTIONS AT LUBE PIT

A6.1 REFLECTED CEILING PLAN

GENERAL NOTES

EXISTING SITE PLAN

PROPOSED SITE PLAN

PROPOSED GRADING PLAN

PROPOSED UTILITY PLAN PROPOSED UTILITY DETAILS

ELECTRICAL FLOOR PLAN

ELECTRICAL FLOOR PLAN

LIGHTING LIGHTING

LIGHTING ATTIC

PANEL SCHEDULE

ELECTRICAL DETAILS

MECHANICAL FLOOR PLAN

MECHANICAL FLOOR PLAN

WATER DISTRIBUTION PLAN

WATER DISTRIBUTION PLAN

SANITARY DRAINAGE PLAN SANITARY DRAINAGE PLAN

GAS DISTRIBUTION PLAN

PLUMBING DETAILS/NOTES

COMPRESSED AIR FLOOR PLAN

GAS LINE PLAN

ISOMETRIC VIEWS

MECHANICAL DETAILS

E4

ELECTRICAL 2ND FLOOR PLAN

PROPOSED GENERAL DETAILS

FOUNDATION PLAN AND DETAILS

A2.3 PARTIAL FLOOR PLAN A3.1 EXTERIOR ELEVATIONS

A4.1 INTERIOR ELEVATIONS A4.2 INTERIOR ELEVATIONS

A5.1 FINISH SCHEDULE

A7.1 WALL SECTIONS

A8.1 WALL PARTITIONS

A1.1 ABBREVIATIONS, SYMBOLS, MATERIALS

LEGEND, INDEX OF DRAWINGS AND CODE INFO.

COVER SHEET, VICINITY AND LOCATION MAPS

STORMWATER POLLUTION PREVENTION PLAN

<u>ARCHITECTURAL</u>

A1.2 ROOF PLAN

A2.1 KEY FLOOR PLAN

12. ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES, ORDINANCES AND REGULATIONS OF THE LOCAL

CODE ANALYSIS

GROUP B - CORRIDORS - B

GROUP B - ROOMS AND ENCLOSED SPACES - C

FIRE ALARM AND DETECTION SYSTEMS

BUSINESS - 12 O.L. X 0.2" = 2.4" (REQUIRED)

NUMBER OF EXITS

(2 PROVIDED)

1 SINK (REQUIRED)

1 SINK (PROVIDED)

CODE		REFERENCE
USE AND OCC	:UPANCY_	IBC-CH. 3
	RAINING AND SKILL DEVELOPMENT NOT WITHIN A SCHOOL OR ACADEMIC PROGRAM	SECT. 304.1
	- MOTOR VEHICLE REPAIR GARAGES	SECT. 311.2
GENERAL BUI	DING HEIGHTS AND AREAS	IBC-CH. 5
GROUP HEIGHT GROUP B	TYPE OF CONSTRUCTION TYPE V-B 40 FEET (ALLOWABLE) HEIGHT = 2 STORY (ALLOWABLE) AREA = 9,000 S.F. (ALLOWABLE) HEIGHT = 1 STORY (ALLOWABLE)	TABLE 503

REQUIREMENTS	3201. 300.1
TYPE OF CONSTRUCTION	IBC-CH. 6
TYPE V-B - FIRE-RESISTANCE RATING REQUIREMENT	TABLE 601

FOR BUILDING ELEMENTS = O (ZERO) HOUR	
INTERIOR FINISHES	IBC-CH. 8
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY	TABLE 803.5
GROUP B — EXIT ENCLOSURES AND EXIT PASSAGEWAYS — A	

AUTOMATIC SPRINKLER SYSTEM	IBC-CH. 9
GROUP B - N/A	
GROUP S-1 - NOT REQUIRED, FIRE AREA DOES NOT EXCEED 12,000 S.F., FIRE AREA IS NOT LOCATED MORE THAN THREE STORIES ABOVE GRADE PLANE, FIRE AREAS ON ALL FLOORS, INCLUDING MEZZANINES, DOES NOT EXCEED 24,000 S.F. AND FIRE AREA USED FOR THE STORAGE OF COMMERCIAL TRUCKS OR BUSES DOES NOT EXCEED 5,000 S.F.	SECTION [F] 903.2.9

PORTABLE FIRE EXTINGUISHERS	IBC-CH. 9
GROUP B AND S1 - ONE WITHIN MAX. TRAVEL DISTANCE OF 75'	TABLE 906.3 (1)

<u>IBC-CH. 9</u>

IBC-CH. 10

TABLE 1021.1

	A MINIMUM OF ONE MANUAL FIRE ALARM BOX SHALL BE PROVIDED IN AN APPROVED LOCATION.	[F]907.2
	GROUP B — MANUAL FIRE ALARM SYSTEM NOT REQUIRED— THE COMBINED GROUP B OCCUPANT LOAD OF ALL FLOORS IS NOT 500 OR MORE.	[F]907.2.2
	OCCUPANT LOAD	IBC-CH. 10
	OFFICE - 100 GROSS - 2,984 S.F. / 100 = 29.8 = 30 O.L.	TABLE 1004.1.1

WAREHOUSE - 500 GROSS - 6,053 S.F. $/$ 500 = 12.10 = 12 O.L. PORCHES & TIRE STORAGE - PER BUILDING OFFICIAL	
EGRESS WIDTH	IBC-CH. 10
BUSINESS $-$ 30 O.L. X O.2" $=$ 6" (REQUIRED)	SECTION 1005
72" (PROVIDED)	

36" (PROVIDED)	
EXIT AND EXIT ACCESS DOORWAYS	IBC-CH. 10
GROUP B — ONE EXIT OR EXIT ACCESS DOORWAY IS ALLOWABLE— O.L. IS LESS THAN 49	SECTION 1015 TABLE 1015.1
GROUP S-1 - ONE EXIT OR EXIT ACCESS DOORWAY IS ALLOWABLE- O.L. IS LESS THAN 29	SECTION 1015 TABLE 1015.1

EXIT ACCESS TRAVEL DISTANCE (W/O FIRE SPRINKLER SYSTEM)	IBC-CH. 10
OCCUPANCY B & S-1 - 200' (MAX.) REQUIRED	TABLE 1016.1
CORRIDORS	IBC-CH. 10
GROUP B — REQUIRED CORRIDOR FIRE—RESISTANCE RATING NOT REQUIRED, O.L. IS NOT GREATER THAN 30 NOTE: NO CORRIDORS ARE IN THE PROJECT	SECTION 1018 TABLE 1018.1

MIN. NUMBER OF EXITS PER O.L. $1-500 = 2$ EXITS PER STORY (2 PROVIDED)	TABLE 1021.2
GROUP S-1 - (1) REQUIRED - 49 OCCPS. MAX, 75' TRAVEL DISTANCE MIN. NUMBER OF EXITS PER O.L. 1-500 = 2 EXITS PER STORY	TABLE 1021.1 TABLE 1021.2

GROUP B - (1) REQUIRED - 49 OCCPS. MAX, 75' TRAVEL DISTANCE

BUSINESS - GROUP B - TRAINING AND SKILLS DEVELOPMENT

PLUMBING REQUIREMENTS	IBC-CH.
WATER CLOSETS (WC)	TABLE 2

1 PER 25 FOR 1ST 50 $-$ 30 OL/2 $=$ 15/25 $=$ 0.6 $=$ 1 WC (REQUIRED)
1 WC (PROVIDED), 2 URINAL (PROVIDED FOR MENS) = 3 TOTAL PROVIDED
2 WC (PROVIDED FOR WOMENS) = 2 TOTAL PROVIDED
WAREHOUSE - GROUP S-1 - LOW TO MODERATE HAZARD STORAGE 1 PER 100 - 12 OL/2 = $6/100 = 0.06 = 1$ WC (REQUIRED) 1 WC (PROVIDED)

LAVATORIES (LAVS.)	
BUSINESS — GROUP B — PROFESSIONAL SERVICES 1 PER 40 FOR 1ST 80 — 30 OL/2 = $15/40 = 0.375 = 1$ LAV (REQUIRED) 2 LAVS. (PROVIDED)	

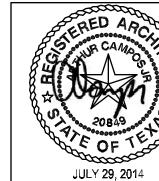
WAREHOUSE - GROUP S-1 - LOW TO MODERATE HAZARD STORAGE 1 PFR 100 - 12 OL/2 = 6/100 = 0.06 = 1 WC (REQUIRED)

2 WC (PROVIDED)
DRINKING FOUNTAINS
RUSINESS — GROUP B — PROFESSIONAL SERVICES

BUSINESS - GROUP B - PROFESSIONAL SERVICES 1 PER 100 - 64 OL/100=0.64 = 1 FOUNTAIN (REQUIRED) 2 DRINKING FOUNTAINS (PROVIDED)

BUSINESS - B - PROFESSIONAL SERVICES & WAREHOUSE -GROUP S-1

WAREHOUSE - GROUP S-1 - LOW TO MODERATE HAZARD 1 PER 100 - 64 OL/100=0.64 = 1 FOUNTAIN (REQUIRED) 2 DRINKING FOUNTAINS (PROVIDED)	STORAGE



P.O. BOX NNTONIO, P:210-683

0

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 CD: OWNER REVIEW CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14 CD: PERMIT, PRICING & CONSTRUCTION ISSUE 7-28-14

Copyright 2012

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the

DRAWN BY:

CHECKED BY: FILE: m&sengineering

guadalupeco-cover-index | SHEET NUMBER:

DATE: 7-28-14



241658 TEXAS 78224

P.O. BOX 241658 SAN ANTONIO, TEXAS

CAMPOS

JADALUPE COUNTY LUBE CENTER

DATE OF ISSUE:

DESIGN: OWNER REVIEW 1-13-14

DESIGN: OWNER REVIEW 2-13-14

CD: OWNER REVIEW 5-2-14

CD: PERMIT, PRICING
& CONSTRUCTION ISSUE 6-11-14

Copyright 2012

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

1. ROOF SHALL BE STANDING SEAM METAL ROOF, GALVALUME FINISH, 24 GAUGE.

2. INSTALL ROOF MATERIAL PER MANUFACTURER'S

3. ALL ROOF PENETRATIONS FOR PLUMBING STACKS, VENTS AND EXHAUST SHALL BE CONCEALED BEHIND

4. PROVIDE A NEOPRENE GASKET TO SEPARATE ALL DISSIMILAR METALS.

5. GUTTER AND DOWNSPOUTS, RE: METAL BUILDING MANUFACTURER. OWNER AND ARCHITECT TO SELECT COLORS.

REQUIREMENTS.

RIDGE LINE.

CHECKED BY:

FILE: m&sengineering cd guadalupeco-plan-g.dwg

SHEET NUMBER:

A1.2

DATE: 6-11-14

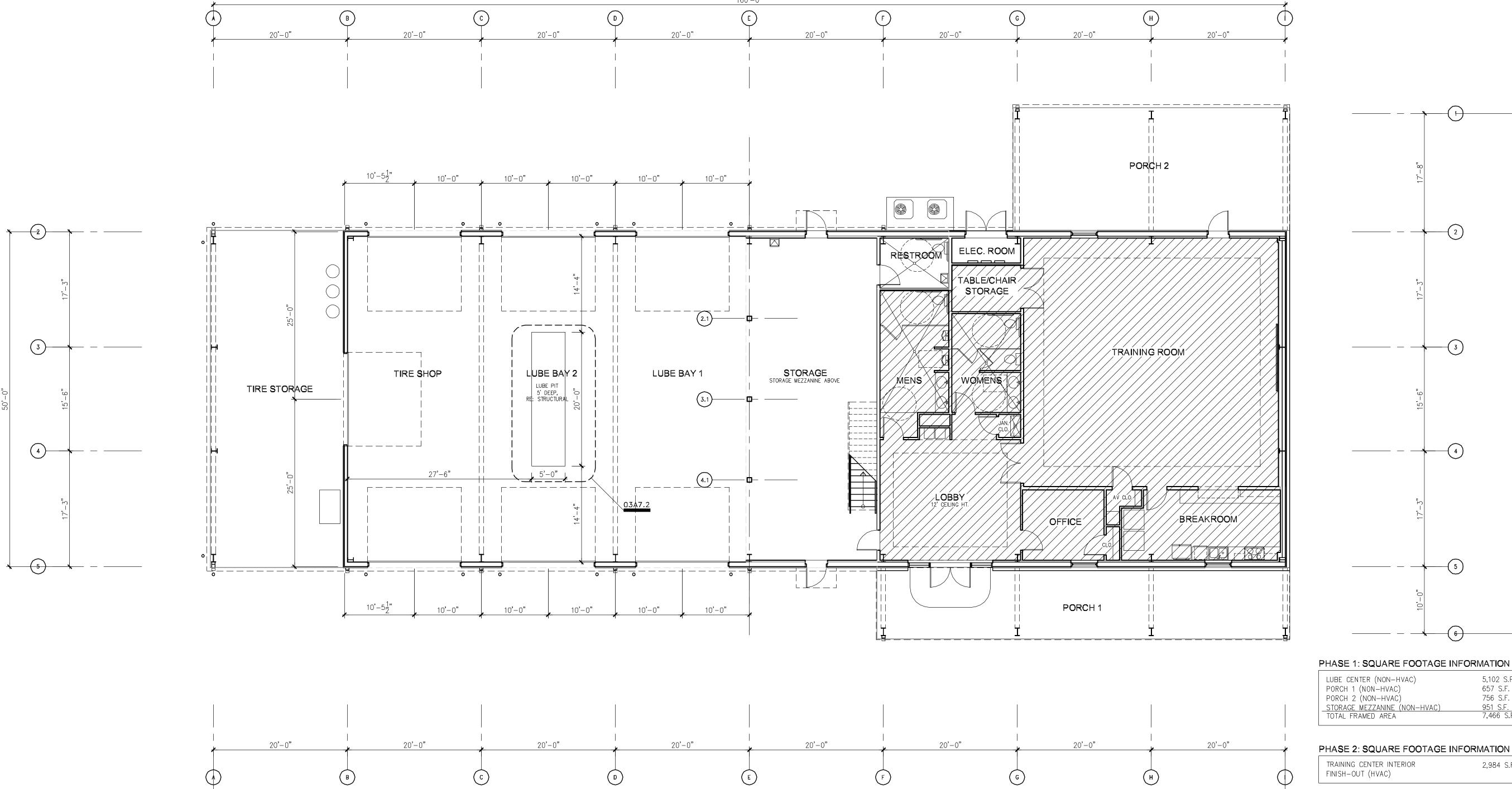
PLAN NORTH

01 | ROOF PLAN SCALE: 1/8" = 1'-0"

SHELL AND FINISH OUT OF THE FOLLOWING SPACES:
TIRE STORAGE
TIRE SHOP
LUBE BAY 1
LUBE BAY 2 STORAGE RESTROOM ELEC. ROOM STORAGE MEZZANINE PORCH 1 PORCH 2 ROUGH—IN PLUMBING IN CONCRETE FOUNDATION ONLY MENS
WOMENS
JANITOR'S CLOSET
BREAKROOM

PHASE 2: SCOPE OF WORK (HATCHED)

INTERIOR FINISH-OUT OF THE FOLLOWING SPACES: LOBBY MENS WOMENS JANITOR'S CLOSET TABLE/CHAIR STORAGE TRAINING ROOM OFFICE AV CLOSET CLOSET BREAKROOM MECHANICAL MEZZANINE



160'-0"

LUBE CENTER (NON-HVAC) PORCH 1 (NON-HVAC) PORCH 2 (NON-HVAC) STORAGE MEZZANINE (NON-HVAC) TOTAL FRAMED AREA PHASE 2: SQUARE FOOTAGE INFORMATION FINISH-OUT (HVAC)

01 | PHASING KEY FLOOR PLAN

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

PLAN NORTH

JULY 28, 2014

PLLC ARCHITECTURE,

CAMPOS

P.O. BOX 241658 N ANTONIO, TEXAS 78224 P:210-683-9992

GUADALU LUBE

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 : OWNER REVIEW CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

CD: PERMIT, PRICING & CONSTRUCTION ISSUE 7-28-

DRAWN BY:

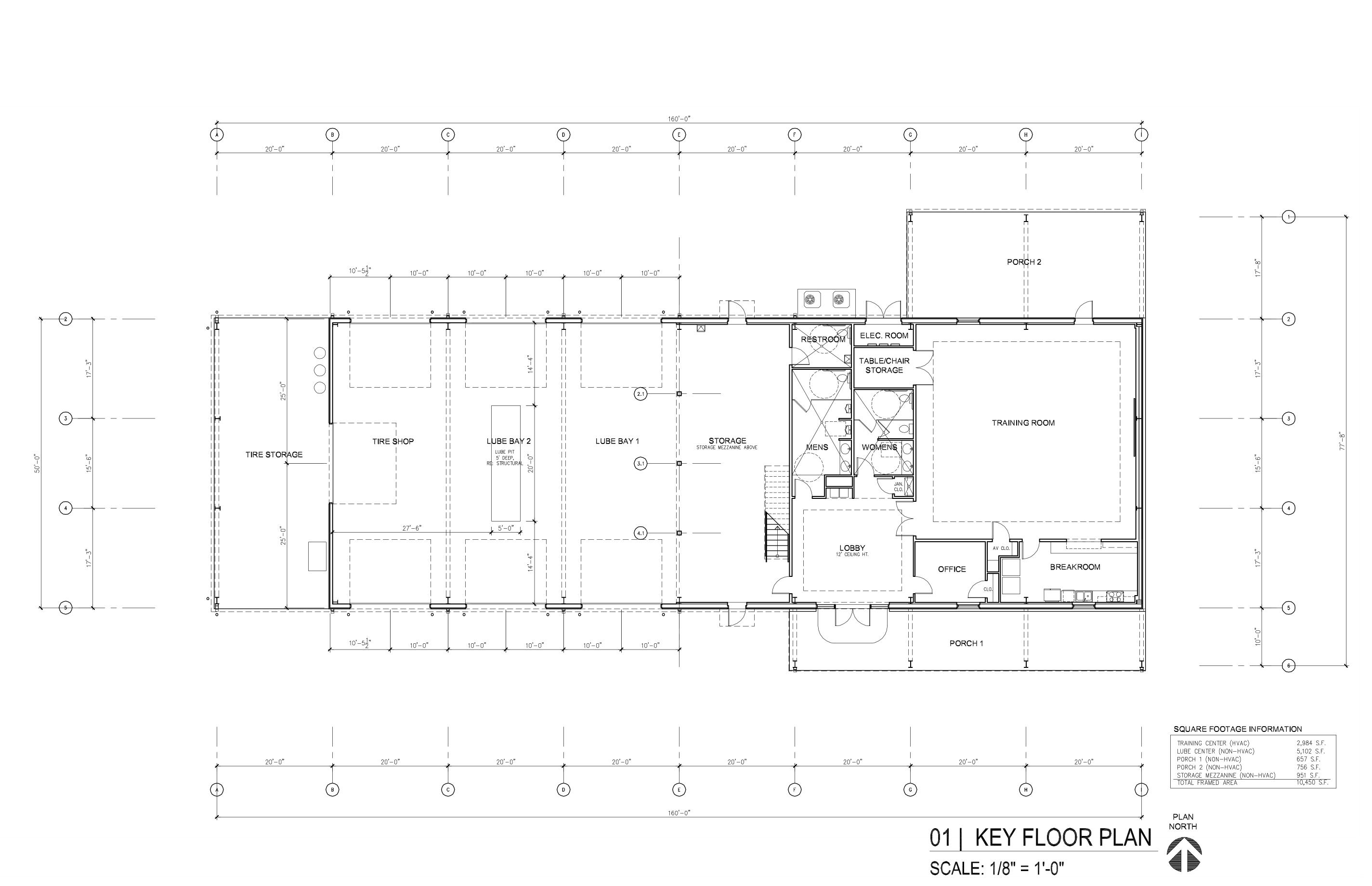
5,102 S.F. 657 S.F. 756 S.F.

CHECKED BY:

FILE: m&sengineering guadalupeco-plan-G.dwg

SHEET NUMBER:

DATE: 7-28-14



CAMPOS

GUADALUPE COUNTY LUBE CENTER

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14

): OWNER REVIEW CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

CHECKED BY: FILE: m&sengineering guadalupeco-plan-G.dwg

SHEET NUMBER:

6-11-14 DATE:

JUNE 11, 2014

P.O. BOX 241658 VANTONIO, TEXAS 78224 P:210-683-9992 ARCHITECTURE,

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14): OWNER REVIEW CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14

Copyright 2012

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

CHECKED BY:

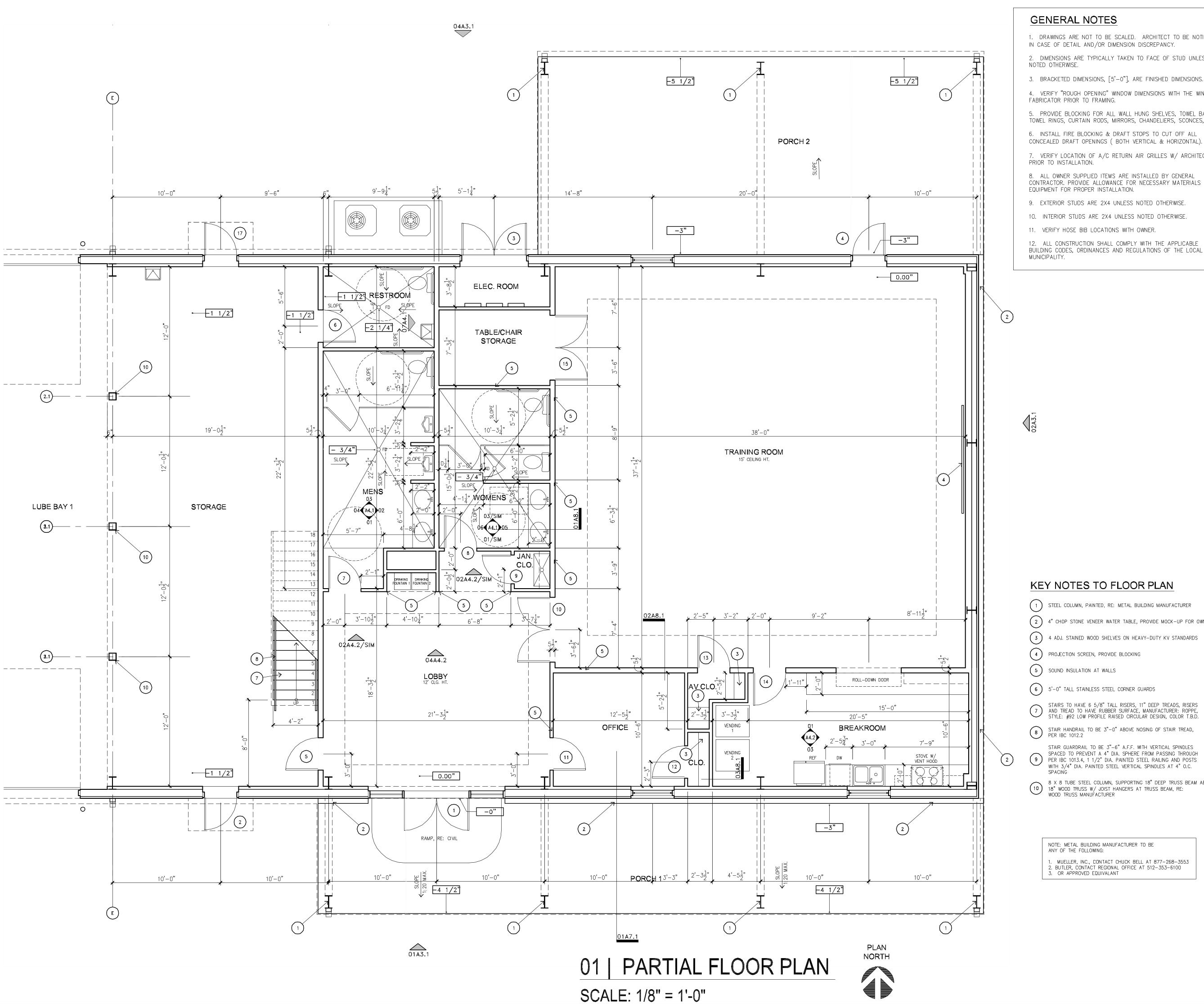
FILE: m&sengineering guadalupeco-plan-G.dwg

SHEET NUMBER:

6-11-14

DATE:

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





1. DRAWINGS ARE NOT TO BE SCALED. ARCHITECT TO BE NOTIFIED IN CASE OF DETAIL AND/OR DIMENSION DISCREPANCY.

2. DIMENSIONS ARE TYPICALLY TAKEN TO FACE OF STUD UNLESS NOTED OTHERWISE.

3. BRACKETED DIMENSIONS, [5'-0"], ARE FINISHED DIMENSIONS.

4. VERIFY "ROUGH OPENING" WINDOW DIMENSIONS WITH THE WINDOW FABRICATOR PRIOR TO FRAMING.

5. PROVIDE BLOCKING FOR ALL WALL HUNG SHELVES, TOWEL BARS, TOWEL RINGS, CURTAIN RODS, MIRRORS, CHANDELIERS, SCONCES, ETC. 6. INSTALL FIRE BLOCKING & DRAFT STOPS TO CUT OFF ALL

7. VERIFY LOCATION OF A/C RETURN AIR GRILLES W/ ARCHITECT PRIOR TO INSTALLATION.

8. ALL OWNER SUPPLIED ITEMS ARE INSTALLED BY GENERAL CONTRACTOR, PROVIDE ALLOWANCE FOR NECESSARY MATERIALS AND

9. EXTERIOR STUDS ARE 2X4 UNLESS NOTED OTHERWISE.

10. INTERIOR STUDS ARE 2X4 UNLESS NOTED OTHERWISE.

11. VERIFY HOSE BIB LOCATIONS WITH OWNER.

12. ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES, ORDINANCES AND REGULATIONS OF THE LOCAL

- (1) STEEL COLUMN, PAINTED, RE: METAL BUILDING MANUFACTURER
- (2) 4" CHOP STONE VENEER WATER TABLE, PROVIDE MOCK-UP FOR OWNER REVIEW
- (3) 4 ADJ. STAINED WOOD SHELVES ON HEAVY-DUTY KV STANDARDS
- (5) SOUND INSULATION AT WALLS
- (6) 5'-0" TALL STAINLESS STEEL CORNER GUARDS
- TALL RISERS, 11" DEEP TREADS, RISERS AND TREAD TO HAVE RUBBER SURFACE, MANUFACTURER: ROPPE, STYLE: #92 LOW PROFILE RAISED CIRCULAR DESIGN, COLOR T.B.D.
- 8 STAIR HANDRAIL TO BE 3"-0" ABOVE NOSING OF STAIR TREAD, PER IBC 1012.2
- STAIR GUARDRAIL TO BE 3"-6" A.F.F. WITH VERTICAL SPINDLES SPACED TO PREVENT A 4" DIA. SPHERE FROM PASSING THROUGH 9 PER IBC 1013.4, 1 1/2" DIA. PAINTED STEEL RAILING AND POSTS WITH 3/4" DIA. PAINTED STEEL VERTICAL SPINDLES AT 4" O.C.
- 8 X 8 TUBE STEEL COLUMN, SUPPORTING 18" DEEP TRUSS BEAM ABOVE,
 18" WOOD TRUSS W/ JOIST HANGERS AT TRUSS BEAM, RE: WOOD TRUSS MANUFACTURER

NOTE: METAL BUILDING MANUFACTURER TO BE ANY OF THE FOLLOWING:

1. MUELLER, INC., CONTACT CHUCK BELL AT 877-268-3553 2. BUTLER, CONTACT REGIONAL OFFICE AT 512-353-6100 3. OR APPROVED EQUIVALANT

JULY 28, 2014

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 D: OWNER REVIEW

CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14 CD: PERMIT, PRICING & CONSTRUCTION ISSUE 7-28-14

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is

responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

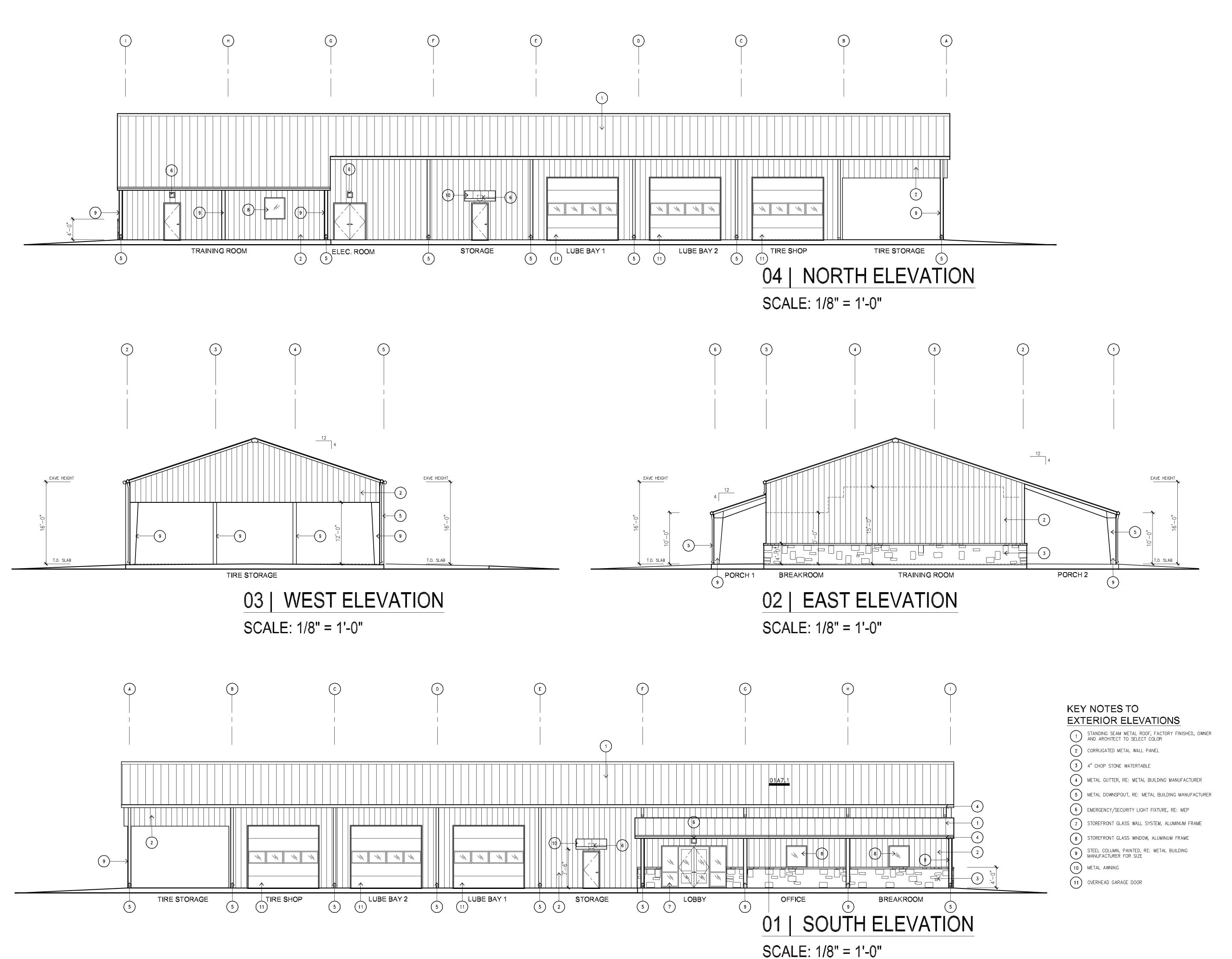
DRAWN BY:

CHECKED BY: FILE: m&sengineering

guadalupeco-plan-G.dwg SHEET NUMBER:

DATE:

7-28-14



DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 D: OWNER REVIEW CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

CHECKED BY:

FILE: m&sengineering uadalupeco-exelev-C.dwg

SHEET NUMBER:

6-11-14

KEY NOTES TO

1 1 X 6 WOOD BASE, PAINTED

5 5/8" GYP. BOARD WALL, PAINTED

6 DECORATIVE WALL SCONCE, RE: MEP

7 PLYWOOD KNEE AND TOE GUARD, PAINTED, PER T.A.S. 306.2 AND 306.3

8 PAPER TOWEL DISPENSER/TRASH CAN

11) SANITARY NAPKIN DISPOSAL, WOMEN'S ONLY

(13) GRAB BAR PER T.A.S. 604.5 AND 609

14) ROOM SIGNAGE, RUBBER, PER T.A.S. 703

COAT HOOK AT 4'-0" A.F.F. BEHIND DOOR AT TOILET PARTITION, VERIFY SELECTION W/ ARCHITECT AND OWNER

(18) ADJ. PLASTIC LAMINATE SHELVES ON DRILLED STANDARDS

SOLID PLASTIC TOILET PARTITIONS, VERIFY COLOR SELECTION WITH OWNER AND ARCHITECT

9 SOAP DISPENSER

12 MIRROR

10 TOILET PAPER DISPENSER

INTERIOR ELEVATIONS

2 SOLID SURFACE COUNTERTOP AND BACKSPLASH

3 PLASTIC LAMINATE COUNTERTOP AND FULL BACKSPLASH

4 PLASTIC LAMINATE AT CABINET DOORS AND SIDE PANELS,

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

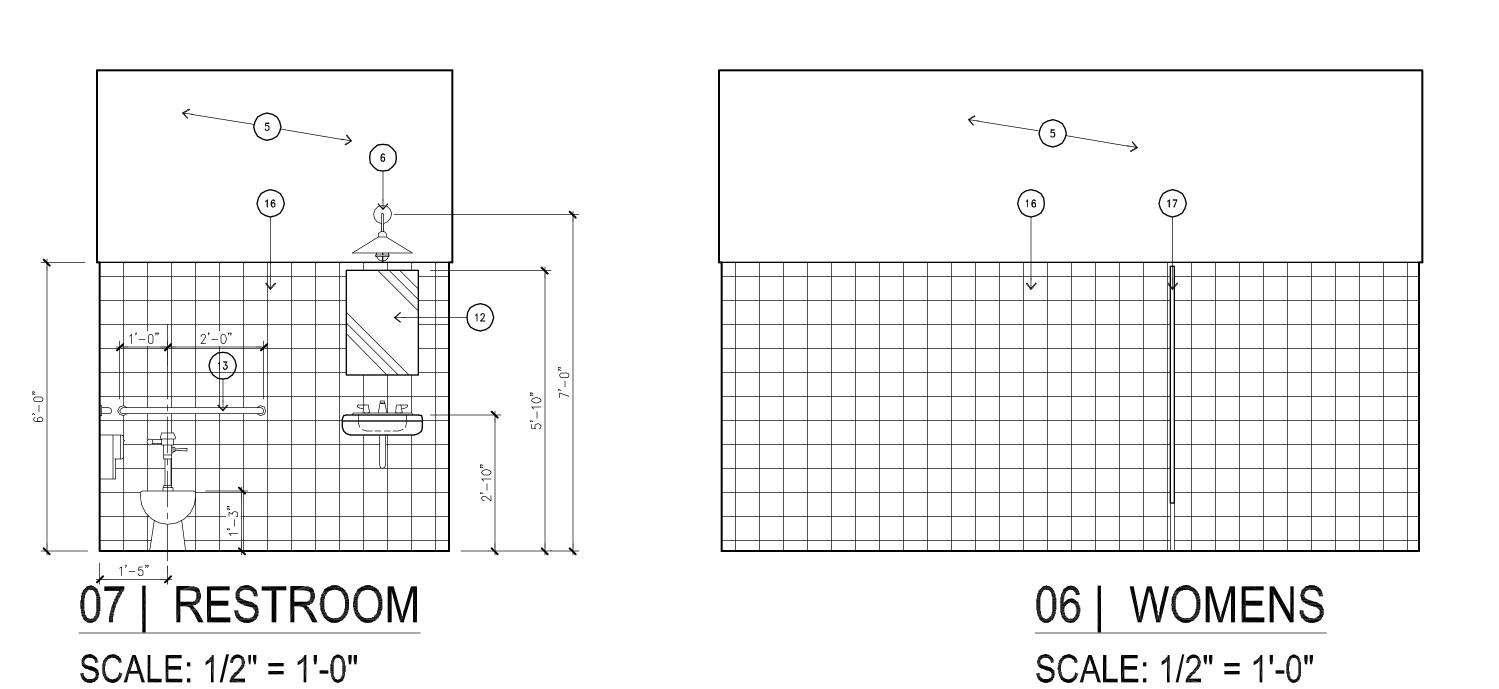
DRAWN BY:

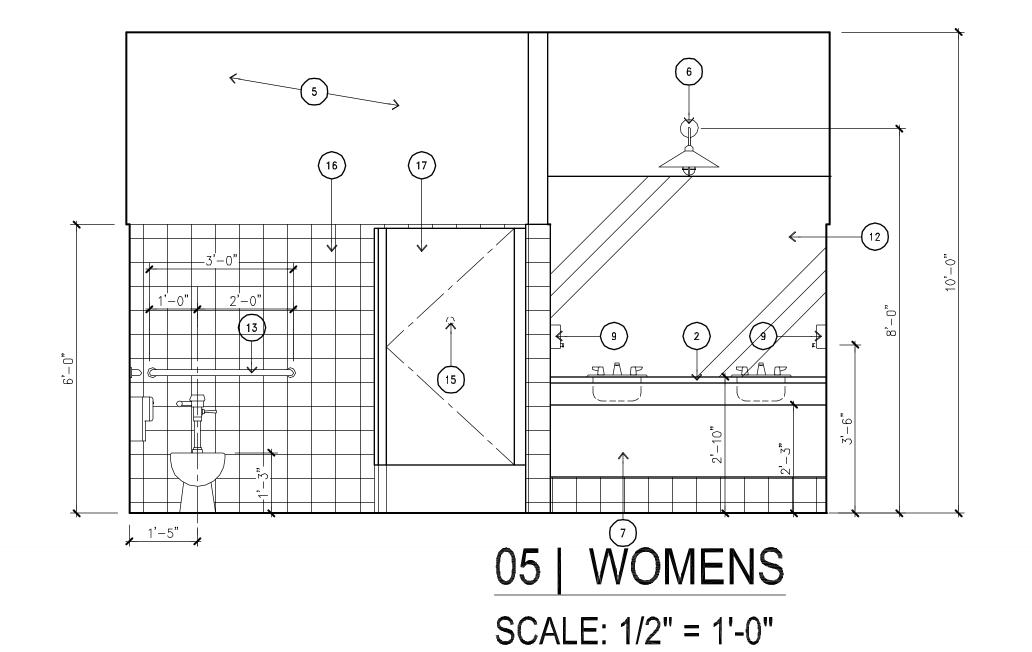
CHECKED BY:

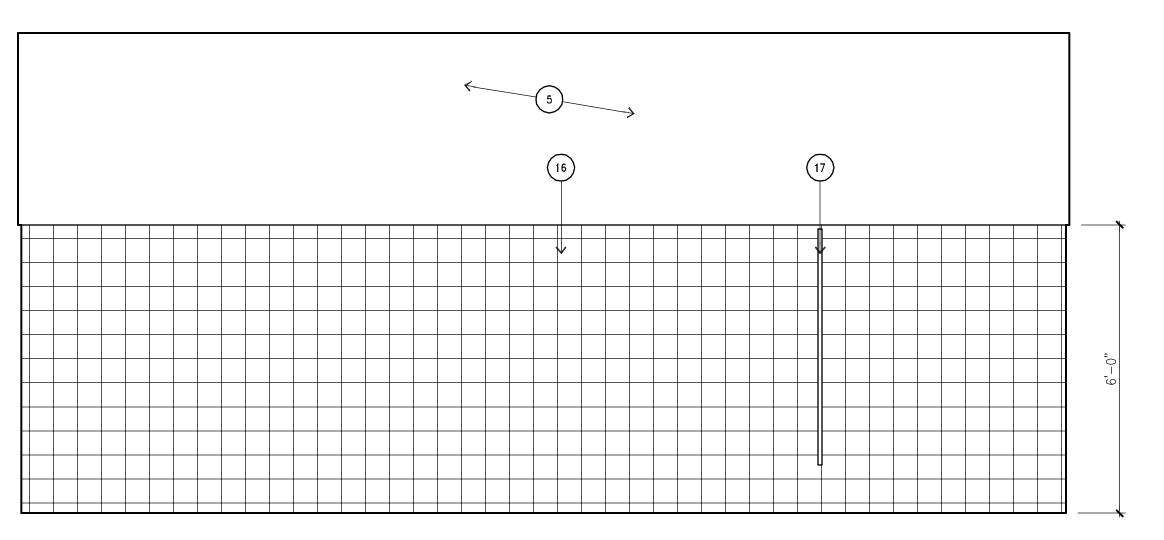
FILE: m&sengineering uadalupeco-intelev-B.dwg

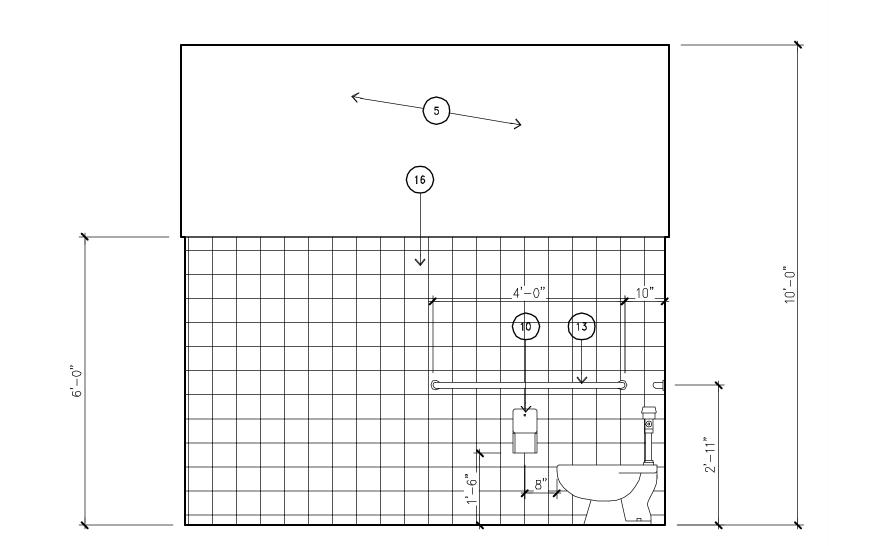
SHEET NUMBER:

6-11-14 DATE:





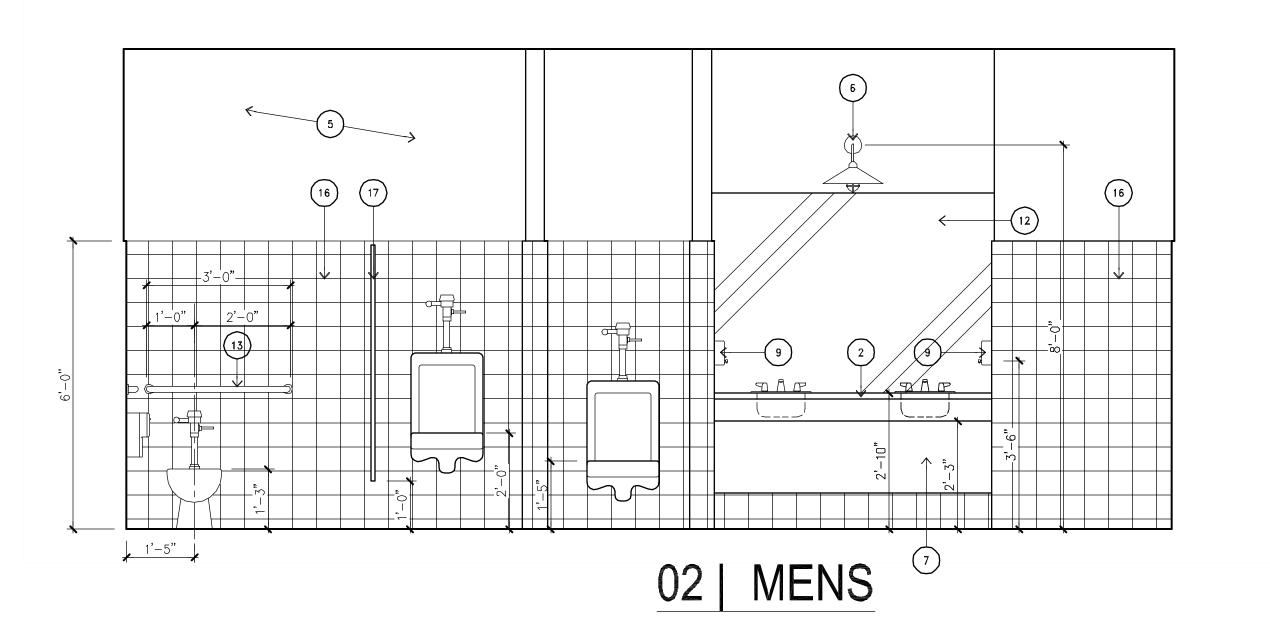


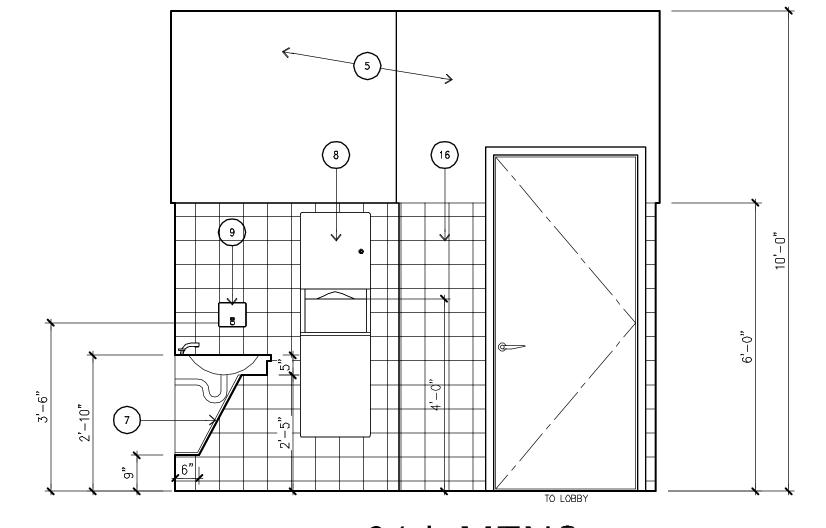




SCALE: 1/2" = 1'-0"







MENS

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

Copyright 2012

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

CHUCKUD DY

CHECKED BY:

FILE: m&sengineering CD uadalupeco—intelev—B.dwg

SHEET NUMBER:

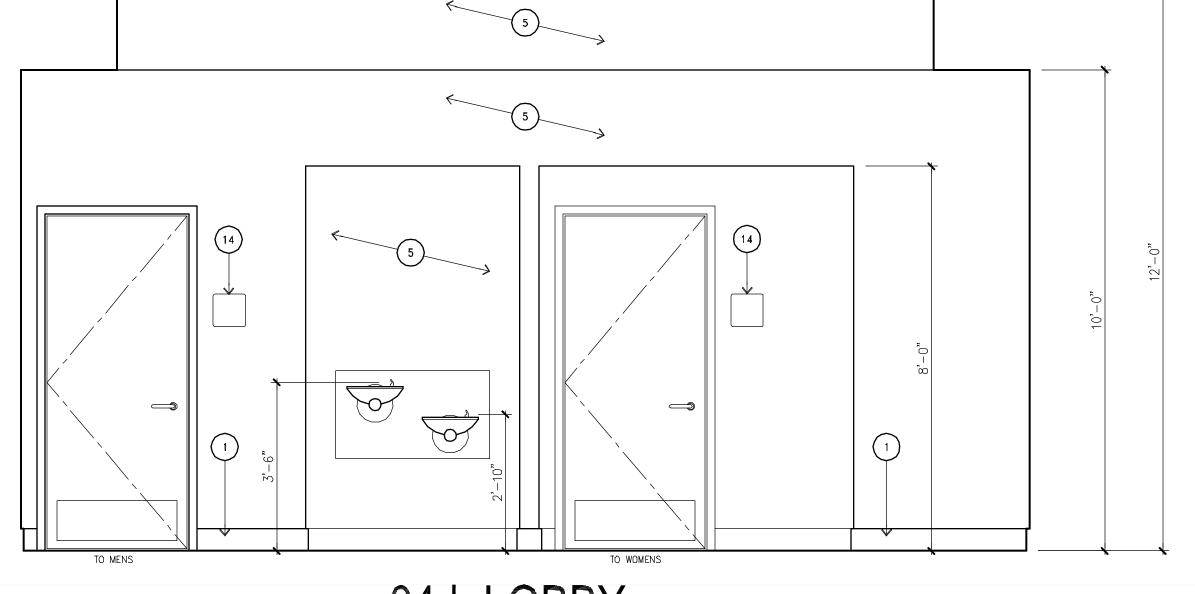
A4.2

DATE: 6-11-14

TO IRABING ROOM

Out I PRE ALC POOM

OUT I PRE



04 | LOBBY SCALE: 1/2" = 1'-0"

02 | TYPICAL DOOR & ADA SIGN

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

1 ON L DDE AKDOO

03 | BREAKROOM

KEY NOTES TO

INTERIOR ELEVATIONS

6 DECORATIVE WALL SCONCE, RE: MEP

7 PLYWOOD KNEE AND TOE GUARD, PAINTED, PER T.A.S. 306.2 AND 306.3

8 PAPER TOWEL DISPENSER/TRASH CAN

11) SANITARY NAPKIN DISPOSAL, WOMEN'S ONLY

(13) GRAB BAR PER T.A.S. 604.5 AND 609

ROOM SIGNAGE, RUBBER, PER T.A.S. 703

SOLID PLASTIC TOILET PARTITIONS, VERIFY COLOR SELECTION WITH OWNER AND ARCHITECT

(18) ADJ. PLASTIC LAMINATE SHELVES ON DRILLED STANDARDS

COAT HOOK AT 4'-0" A.F.F. BEHIND DOOR AT TOILET PARTITION, VERIFY SELECTION W/ ARCHITECT AND OWNER

9 SOAP DISPENSER

12 MIRROR

10 TOILET PAPER DISPENSER

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

1 1 X 6 WOOD BASE, PAINTED
2 SOLID SURFACE COUNTERTOP AND BACKSPLASH
3 PLASTIC LAMINATE COUNTERTOP AND FULL BACKSPLASH
4 PLASTIC LAMINATE AT CABINET DOORS AND SIDE PANELS,
5 5/8" GYP. BOARD WALL, PAINTED

01 | BREAKROOM

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

CHECKED BY:

FILE:

SHEET NUMBER:

6-11-14

DATE:

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

m&sengineering cd/guadalupeco-finishsch-B.dwg

2. FLOOR 2: STAINED CONCRETE - STAINED AND SEALED CONCRETE FLOORING. OWNER AND ARCHITECT TO MAKE SELECTION. 3. FLOOR 3: EPOXY COATING: THREE (3) COAT APPLICATION (EPOXY, FLAKE AND TOP COAT), NVE RATING=10, TOP COAT TO HAVE CHEMICAL RESISTANCE AND UV PROTECTION. SLAB TO BE MECHANICALLY PREPARED. OWNER AND ARCHITECT TO SELECT

210-348-8380 OR 210-834-8013. 4. FLOOR 4: RUBBER TILE: ARMSTRONG, RAISED DISK, ANTI-SLIP SURFACE. OWNER AND ARCHITECT TO MAKE SELECTION.

PROVIDE SAMPLE FOR OWNER AND ARCHITECT APPROVAL.

COLOR. PROVIDE SAMPLE FOR OWNER AND ARCHITECT APPROVAL. CONTACT JON WHITAKER OF GARAGE EXPERTS AT

5. BASE 1: TYPICAL: 1 X 6 S4S WOOD BASE, PAINTED

NOTES TO FINISH SCHEDULE

1. FLOOR 1: CERAMIC TILE - 12 X 12 - TO BE SELECTED.

PROVIDE SAMPLE FOR OWNER AND ARCHITECT APPROVAL.

6. BASE 2: AT RESTROOMS: CERAMIC TILE COVE BASE - 6X12 - TO BE SELECTED.

7. WAINSCOT 1: AT RESTOOMS: CERAMIC TILE WAINSCOT - 12X12 WITH 6X12 BULLNOSE AT TOP COURSE - TO BE SELECTED.

8. BACKSPLASH 1: AT BREAKROOM - 4" TALL PLASTIC LAMINATE BACKSPLASH, WILSONART OR APPROVED EQUIVILANT.

9. BACKSPLASH 2: AT MENS & WOMENS - 4" TALL SOLID SURFACE - SILESTONE OR APPROVED EQUIVALENT - OR APPROVED EQUIVALENT — TO BE SELECTED.

10. COUNTERTOP 1: PLASTIC LAMINATE - WILSONART - EASED EDGE, OR APPROVED EQUIVALENT, TO BE SELECTED BY OWNER. 11. COUNTERTOP 2: SOLID SURFACE - SILESTONE OR APPROVED EQUIVALENT - BULL NOSE EDGE- OR APPROVED EQUIVALENT — TO BE SELECTED.

12. WALL 1: 5/8" GYPSUM BOARD - LIGHT ORANGE PEEL TEXTURE, LEVEL 4 FINISH TYP., U.N.O., STORAGE, ELEC. ROOM, AND JANITOR'S CLOSET SHALL HAVE LEVEL 2 FINISH. PROVIDE PER MANUFACTURER'S REQUIREMENTS.

13. CEILING 1: 5/8" GYPSUM BOARD - LIGHT ORANGE PEEL TEXTURE, LEVEL 4 FINISH TYP., U.N.O., STORAGE, ELEC. ROOM, AND JANITOR'S CLOSET SHALL HAVE LEVEL 2 FINISH. PROVIDE PER MANUFACTURER'S REQUIREMENTS.

14. CEILING 2: ACOUSTICAL CEILING (A.C.) TILE 1, USG, NO. 562 2" X 2" X 5/8" WHITE FISSURED TILE WITH DOWN DX GRID. PROVIDE PER MANUFACTURER'S REQUIREMENTS.

15. CORNER GUARDS — STAINLESS STEEL — 5' TALL — AT ALL CORNERS — VERIFY LOCATIONS WITH OWNER AND ARCHITECT. 16. STAIR TREADS AND RISERS - RUBBER STAIR TREADS, RISER AND LANDING TILES; ARMSTRONG, RAISED DISK ANTI-SLIP

SURFACE 17. ALTERNATE 1: FLOORING: VINYL COMPOSITION TILE (VCT), ARMSTRONG, 52505 HARLEQUIN WHITE, 12 X 12, AT ALL SPACES WITH STAINED CONCRETE FLOORING - OWNER AND ARCHITECT TO MAKE FINAL SELECTION.

18. ALTERNATE 2: BASE: RUBBER BASE IS ROPPE 700 SERIES STANDARD TOE 4" HEIGHT AT ALL SPACES WITH STAINED CONCRETE FLOORING - COLOR TO BE SELECTED.

		BASE WAINSCOT	MAINICOOT	WALLS					COUNTERTOP	CEILING		
ROOM NAME	FLOOR	DAJE	WAINSCOT	NORTH	EAST	SOUTH	WEST	- CEILING	CROWN	COUNTERTOP	HEIGHT	REMARKS
LOBBY	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD. & A.C. TILE	_	-	12'-0"	_
OFFICE	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	A.C. TILE	_	_	10'-0"	_
CLO.	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	_	_	10'-0"	_				
AV CLO.	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	_	_	10'-0"	_				
BREAKROOM	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	A.C. TILE	_	PLASTIC LAMINATE	10'-0"	_
TRAINING ROOM	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD. & A.C. TILE	_	_	15'-0"	_
WOMENS	CERAMIC TILE	COVED CERAMIC TILE	CERAMIC TILE	GYP. BD, PTD.	_	SOLID SURFACE	10'-0"	_				
MENS	CERAMIC TILE	COVED CERAMIC TILE	CERAMIC TILE	GYP. BD, PTD.	_	SOLID SURFACE	10'-0"	_				
JAN. CLO.	CERAMIC TILE	COVED CERAMIC TILE	CERAMIC TILE	GYP. BD, PTD.	_	_	10'-0"	_				
RESTROOM	CERAMIC TILE	COVED CERAMIC TILE	CERAMIC TILE	GYP. BD, PTD.	_	_	10'-0"	_				
TABLE/CHAIR STORAGE	STAINED CONCRETE	1 X 6 WOOD, PTD	_	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	A.C. TILE	_	_	10'-0"	_
ELEC. ROOM	CONCRETE	_	_	GYP. BD, PTD.	_	_	10'-0"	_				
STORAGE	RUBBER TILE	_	_	_	GYP. BD, PTD.	_	_	_	_	_	10'-0"	_
LUBY BAY 1	EPOXY COATING	_	_	_	_	_	_	_	_	_	VARIES	_
LUBY BAY 2	EPOXY COATING	_	_	_	_	_	_	_	_	_	VARIES	_
TIRE SHOP	EPOXY COATING	_	_	_	_	_	_	_	_	_	VARIES	_
STORAGE MEZZANINE	EPOXY COATING	_	_	_	GYP. BD, PTD.	_	_	_	_	_	VARIES	_
MECHANICAL MEZZANINE	_	_	_	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	GYP. BD, PTD.	_	_	_	VARIES	_

03 | ELEVATION OF STOREFRONT GLASS WALL SYSTEM

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

NOTES TO STOREFRONT GLASS WALL SYSTEM

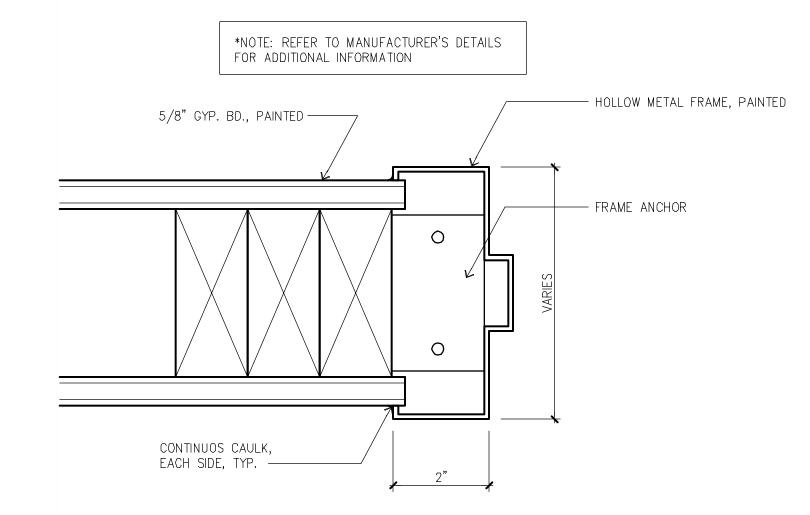
- 1. SIZES ON SCHEDULE PLAN AND ELEVATIONS ARE OVERALL FRAME SIZE.
- 2. ALL WINDOWS ARE FIXED, U.N.O.
- 3. PROVIDE 1" INSULATED, LOW E GLASS.
- 4. WINDOW FRAME IS ANODIZED ALUMINUM.
- 5. PROVIDE TEMPERED GLASS AS INDICATED ON DRAWINGS.
- 6. ARCHITECT TO APPROVE SHOP DRAWINGS FOR WALL SYSTEM
- 7. U-FACTOR: 0.26, SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.26

8. MANUFACTURER: OLDCASTLE BUILDING ENVELOPE, STANDARD FLUSH GLAZE STOREFRONT SYSTEM, SERIES 3000

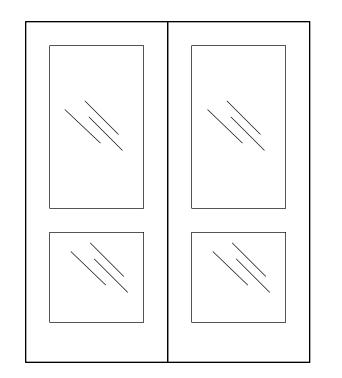
- 5/8" GYP. BD., PAINTED WOOD HEADER - CONTINUOS CAULK, EACH SIDE, TYP. - HOLLOW METAL FRAME, PAINTED

02 | HEAD DETAIL AT DOOR FRAME

SCALE: HALF SCALE

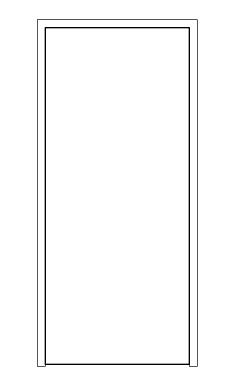


01 | JAMB DETAIL AT DOOR FRAME SCALE: HALF SCALE

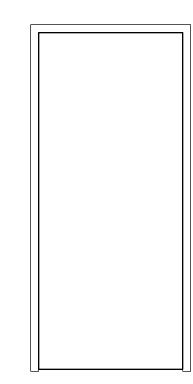


TYPE A PAIR OF 1 3/4" THICK ALUMINUM WIDE STILE DOOR W/ DOUBLE TEMPERED GLASS LITE

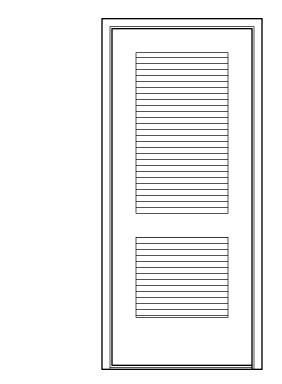
(A) FIXED ALUMINUM WINDOW 1" INSULATED GLASS



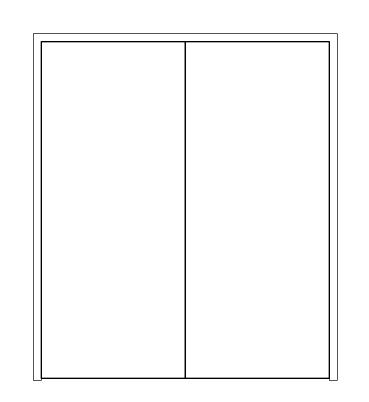
TYPE B 1 3/4" THICK HEAVY-DUTY HOLLOW METAL DOORS AND METAL FRAME, PAINTED



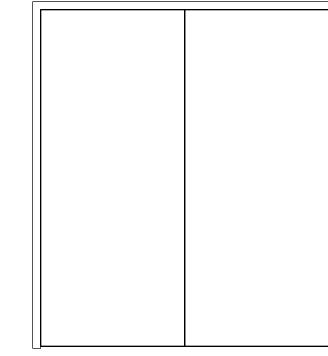
TYPE C 1 3/4" THICK WOOD DOOR AND METAL FRAME, PAINTED



TYPE D 1 3/4" THICK WOOD DOOR AND METAL FRAME, PAINTED W/ METAL LOUVERS



TYPE E PAIR OF 1 3/4" THICK WOOD DOOR AND METAL FRAME, PAINTED



PAIR OF 1 3/4" THICK HEAVY-DUTY HOLLOW METAL DOORS AND METAL FRAME, PAINTED





- 1. SIZES ON WINDOW SCHEDULE ARE OVERALL FRAME SIZE.
- 2. ALL WINDOWS ARE FIXED, U.N.O.
- 3. PROVIDE LOW E GLASS AT ALL WINDOWS.
- 4. WINDOWS INDICATED ON SCHEDULE ARE EXTERIOR VIEW.
- 5. ALL WINDOWS ARE STOREFRONT WALL SYSTEM ALUMINUM WINDOWS.
- 6. FINISH SHALL BE CLEAR ANODIZED.
- 7. ARCHITECT TO APPROVE SHOP DRAWINGS FOR ALL WINDOWS.

WINDOW SCHEDULE

		MODEL NO.	DETAILS			REMARKS
WIDTH HEIGH	T		HEAD	JAMB	SILL	
A 4'-2" 4'-2"	OLDCASTLE	3000 XT				U-FACTOR: 0.27, SHGC: 0.25

DOOR HARDWARE SCHEDULE

SET 1 FUNCTION: HINGES: CLOSER: PULLS: PANIC DEVICE: DEADLOCK: THRESHOLD: WEATHER—STRIPPING:	ENTRANCE (PAIR) 1 1/2" BUTT HINGES PER LEAF LCN 4030 SERIES STANDARD PULL HANDLES 1 EA. DOR-O-MATIC 1690 CONCEALED ROD PANIC DEVICE KEYED CYLINDER OUTSIDE, THUMB TURN INSIDE 1/2" HIGH MAX. BRASS THRESHOLD MANUFACTURER'S STANDARD	SET 6 FUNCTION: HINGES: CLOSER: LATCH: MISC:	PRIVACY LOCK 1 1/2" PR. BUTT HINGES NONE SCHLAGE AL40S NEPTUNE 613 SCHLAGE 37-001 HM DOOR REINFORCEMENT, VERIFY DOOR THICKNESS
SET 2 FUNCTION: HINGES: CLOSER: LATCH: MISC:	HEAVY-DUTY ENTRANCE, HEAVY-DUTY DEADBOLT 1 1/2" PR. BUTT HINGES LCN 4030 SERIES SCHLAGE AL105 NEPTUNE 613 SCHLAGE 37-001 HM DOOR REINFORCEMENT, VERIFY DOOR THICKNESS	SET 7 FUNCTION: HINGES: CLOSER: LATCH: MISC:	STOREROOM LOCK (ACTIVE DOOR) SINGLE DUMMY TRIM (INACTIVE) 1 1/2" PR. BUTT HINGES PER LEAF NONE SCHLAGE AL80PD NEPTUNE 613 PASSAGE (ACTIVE DOOR) ALL170 NEPTUNE 613 (INACTIVE DOOR) SCHLAGE 37-001 HM DOOR REINFORCEMENT, VERIFY DOOR THICKNESS
SET 3 FUNCTION: HINGES: CLOSER: LATCH: DOOR STOP:	ENTRANCE LOCK 2 PR. BUTT HINGES LCN 4030 SCHLAGE AL50PD NEPTUNE 613 FLOOR MOUNTED DOOR STOP	SET 8 FUNCTION: HINGES: CLOSER: PANIC DEVICE: LATCH: MISC:	ENTRANCE LOCK (ACTIVE DOOR) SINGLE DUMMY TRIM (INACTIVE) 1 1/2" PR. BUTT HINGES PER LEAF 1 EA. LCN 4030 PER LEAF 1 EA. DOR-O-MATIC 1690 CONCEALED ROD PANIC DEVICE SCHLAGE AL50PD NEPTUNE 613 PASSAGE (ACTIVE DOOR) ALL170 NEPTUNE 613 (INACTIVE DOOR) SCHLAGE 37-001 HM DOOR REINFORCEMENT, VERIFY DOOR THICKNESS
SET 4 FUNCTION: HINGES: CLOSER: PULL: MISC:	PASSAGE LATCH 1 1/2" PR. BUTT HINGES LCN 4030 IVES 8103 1" PULL, 12"; 8200 PUSH PLATE 4" X 16" SCHLAGE 37-001 HM DOOR REINFORCEMENT, VERIFY DOOR THICKNESS	SET 9 FUNCTION: HINGES: CLOSER: LATCH: MISC:	HEAVY-DUTY ENTRANCE, HEAVY-DUTY DEADBOLT 1 1/2" PR. BUTT HINGES LCN 4030 SERIES SCHLAGE AL105 NEPTUNE 613 SCHLAGE 37-001 HM DOOR REINFORCEMENT, VERIFY DOOR THICKNESS
HINGES: 2 CLOSER: N LATCH: 5	STOREROOM LOCK 2 PR. BUTT HINGES NONE SCHLAGE AL80PD NEPTUNE 613 FLOOR MOUNTED DOOR STOP		

NOTES TO DOOR HARDWARE

1. EXTERIOR DOORS TO HAVE PANIC HARDWARE BARS. VERIFY HARDWARE FINISH WITH OWNER AND ARCHITECT.

2. INTERIOR DOORS TO HAVE LEVER PASSAGE HARDWARE. VERIFY INTERIOR DOOR HARDWARE FINISH WITH

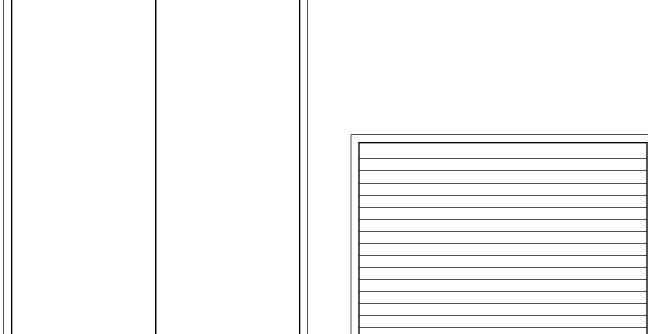
3. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL 303.1, 303.2 AND 303.3

4. DOOR HARDWARE SUCH AS HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR PER T.A.S

5. ALL DOOR CLOSERS SHALL MEET T.A.S. REQUIREMENT 404.2.8.1 - THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

6. THE MAXIMUM FORCE FOR PUSHING OR PULLING A DOOR SHALL NOT EXCEED 5 LBF PER T.A.S REQUIREMENT 404.2.9

7. SUBMIT ALL HARDWARE FOR REVIEW AND APPROVAL BY ARCHITECT (BOTH AS SPECIFIED OR FOR EQUIVALENT SUBSTITUTION).



ALUMINUM ROLL-UP DOOR

NOTES TO DOOR SCHEDULE

DOOR SCHEDULE

3'-0" X 7'-0" MASONITE/MARSHFIELD

3'-0" X 7'-0" MASONITE/MARSHFIELD

PR3'-0" X 7'-0" MASONITE/MARSHFIELD

6'-0" X 4'-0" | CORNELL IRON WORKS

3'-0" X 7'-0"

PR3'-0" X 7'-0"

3'-0" X 7'-0"

3'-0" X 7'-0"

8 4'-0" X 7'-0"

MANUFACTURER

OLDCASTLE

STEELCRAFT

STEELCRAFT

MASONITE/MARSHFIELD

MASONITE/MARSHFIELD

MASONITE/MARSHFIELD

MASONITE/MARSHFIELD

MASONITE/MARSHFIELD

STEELCRAFT

HARDWARE

U-FACTOR: 0.26, SHGC: 0.26

EXTERIOR, B SERIES, HEAVY

EXTERIOR, B SERIES, HEAVY

INTERIOR, B SERIES, HEAVY

INTERIOR, TEMPERED GLASS

SEAL AT HEAD, JAMB AND

EXTERIOR, B SERIES, HEAVY

MODEL ESC10, MANUAL CRANK

DUTY, U-FACTOR: 0.69

DUTY, U-FACTOR: 0.69

- 1. SIZES ON PLANS ARE NOMINAL DOOR OPENING WIDTH AND HEIGHT.
- 2. DOOR UNITS TO SIT ON FINISH FLOOR, U.N.O.

4. DOORS ARE HINGED DOORS, U.N.O.

- 3. PROVIDE WEATHER STRIPPING AND THRESHOLDS AT ALL EXTERIOR DOORS.
- 5. ARCHITECT TO APPROVE SHOP DRAWINGS FOR ALL DOORS AND APPROVED
- EQUIVALENT SUBSTITUTION. 6. PROVIDE METAL KICK PLATE AT BOTTOM OF ALL WOOD DOORS, VERIFY FINISH W/ OWNER AND ARCHITECT.
- 7. INTERIOR WOOD DOORS ARE BIRCH, PAINTED ON SITE. CONFIRM PAINT SELECTED W/ OWNER AND ARCHITECT.

8. OVERHEAD GARAGE DOORS - HEAVY DUTY ROLLING STEEL DOOR, 22 GAUGE G-90 GALVINZED STEEL, FLAT SLTA WITH BACKED ON POLYESTER FINISH. MODEL # 6221. HOOD, 24 GAUGE GALVANIZED STEEL FINISH, VINYL BOTTOM WEATHER-STRIP, SELF ADJUSTING LOOP BOTTOM ASTRAGAL. MANUAL REDUCED DRIVE CHAIN HOIST, 5 YEAR MANUFACTURER'S WARANTY, CONTACT AMY MILLER AT TEXDOOR, LTD, 210-657-2978

9. EXTERIOR PASSAGE DOORS (ALTERNATE): DOOR TYPE B, PROVIDED BY METAL BUILDING MANUFACTURER

COUNTY

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 : OWNER REVIEW CD: PERMIT, PRICING CONSTRUCTION ISSUE 6-11-14

& CONSTRUCTION ISSUE 7-28-14

CD: PERMIT, PRICING

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures or for the safety precautions and programs in connections with the

DRAWN BY:

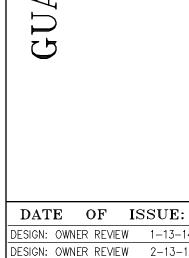
CHECKED BY:

m&sengineering cd/guadalupecodoorwindowsch-B.dwg

SHEET NUMBER:

DATE:

7-28-14



DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

FILE: m&sengineering guadalupeco-plan-G.dwg

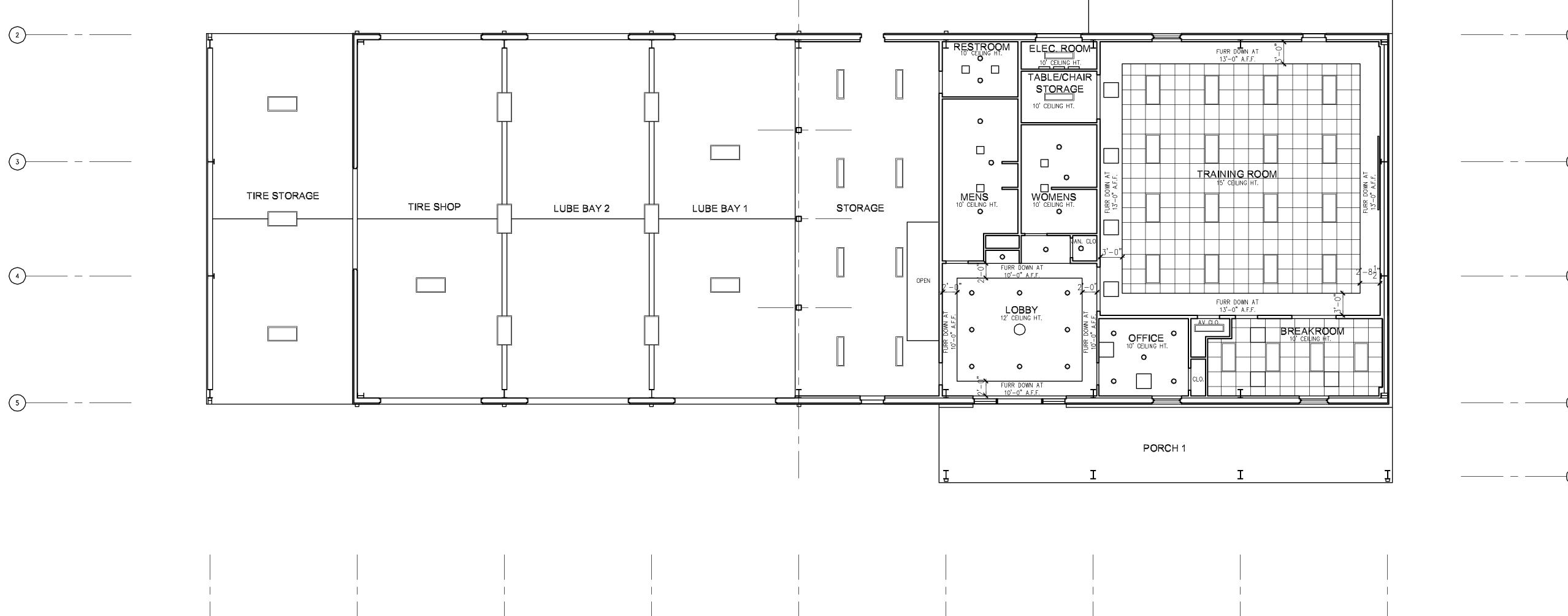
SHEET NUMBER:

6-11-14

DATE:

01 | REFLECTED CEILING PLAN SCALE: 1/8" = 1'-0"

PORCH 2





CAMPOS ARCHITECTURE, PI P.O. BOX 241658

JADALUPE COUNTY LUBE CENTER

DATE OF ISSUE:

DESIGN: OWNER REVIEW 1-13-14

DESIGN: OWNER REVIEW 2-13-14

CD: OWNER REVIEW 5-2-14

CD: PERMIT, PRICING
& CONSTRUCTION ISSUE 6-11-14

Copyright 2012

These drawings and specification copyrighted and shall remain the property of the Architect. The not to be used on other project extensions to this project exceptions.

These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

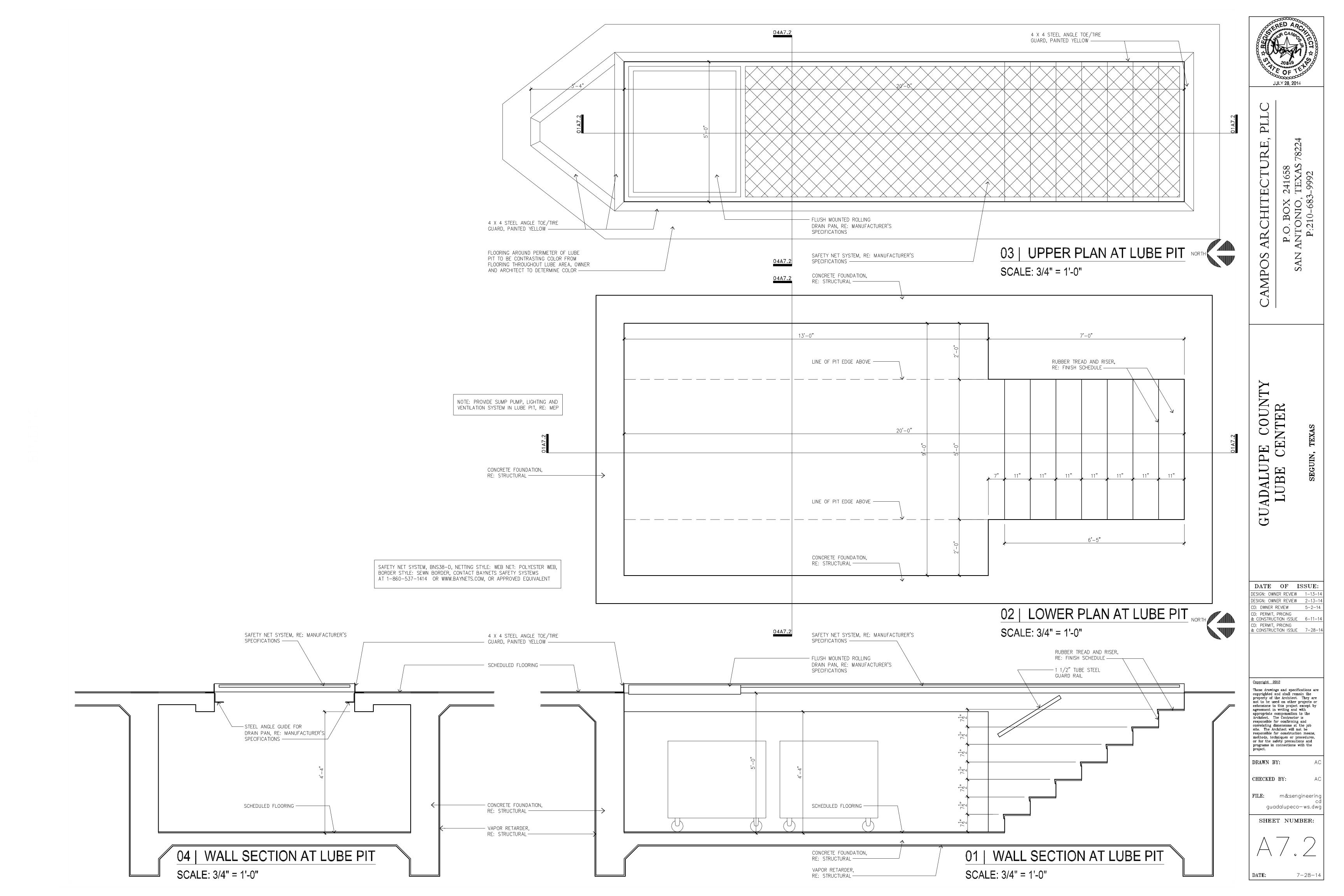
CHECKED BY:

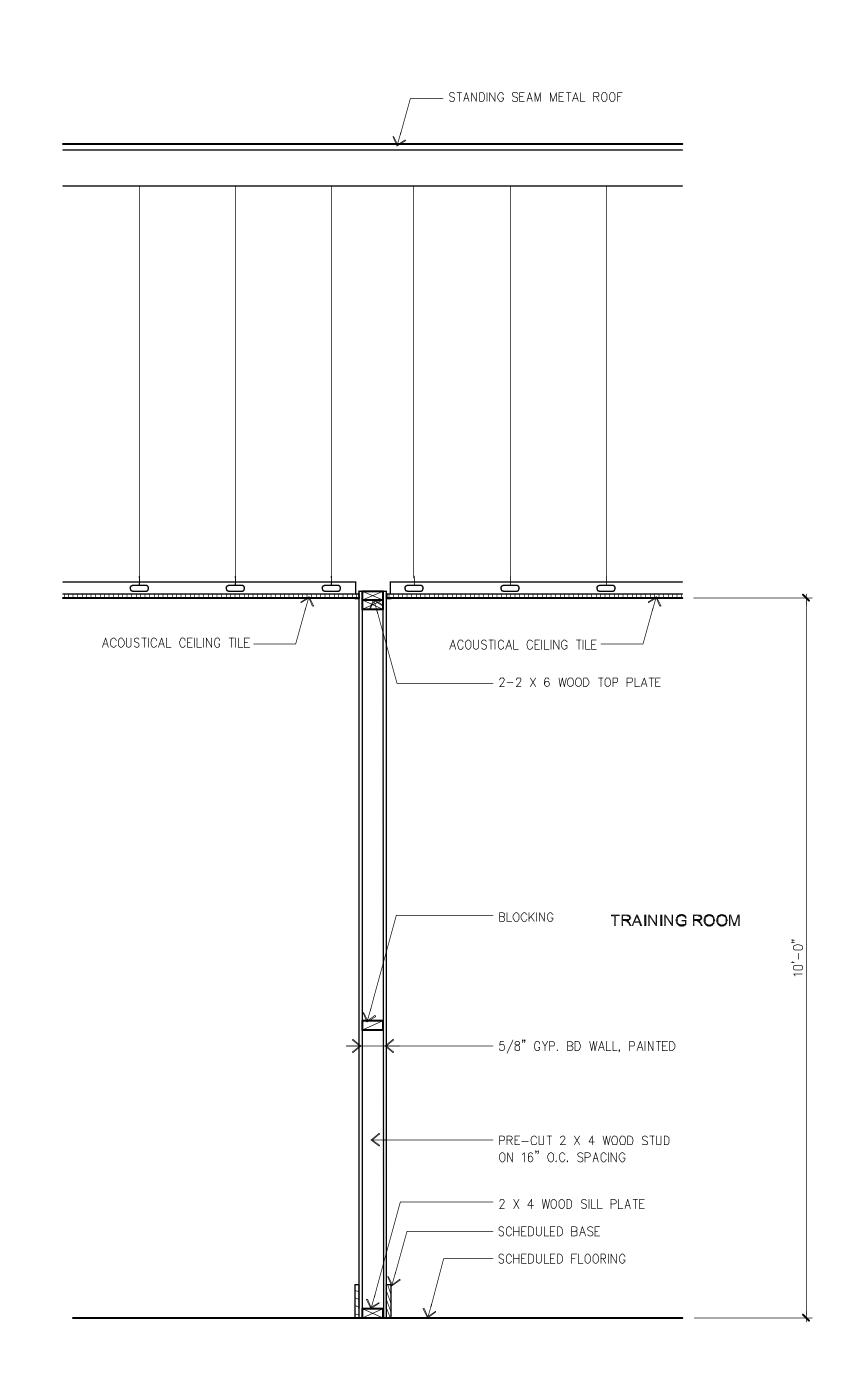
FILE: m&sengineering cd guadalupeco—ws.dwg

SHEET NUMBER:

A7.1

DATE: 6-11-14





03 | WALL PARTITION C SCALE: 3/4" = 1'-0"

SCALE: 3/4" = 1'-0"

SCALE: 3/4" = 1'-0"

DATE OF ISSUE: DESIGN: OWNER REVIEW 1-13-14 DESIGN: OWNER REVIEW 2-13-14 D: OWNER REVIEW CD: PERMIT, PRICING & CONSTRUCTION ISSUE 6-11-14

Copyright 2012 These drawings and specifications are copyrighted and shall remain the property of the Architect. They are not to be used on other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques or procedures, or for the safety precautions and programs in connections with the project.

DRAWN BY:

CHECKED BY:

FILE: m&sengineering guadalupeco-ws.dwg

SHEET NUMBER:

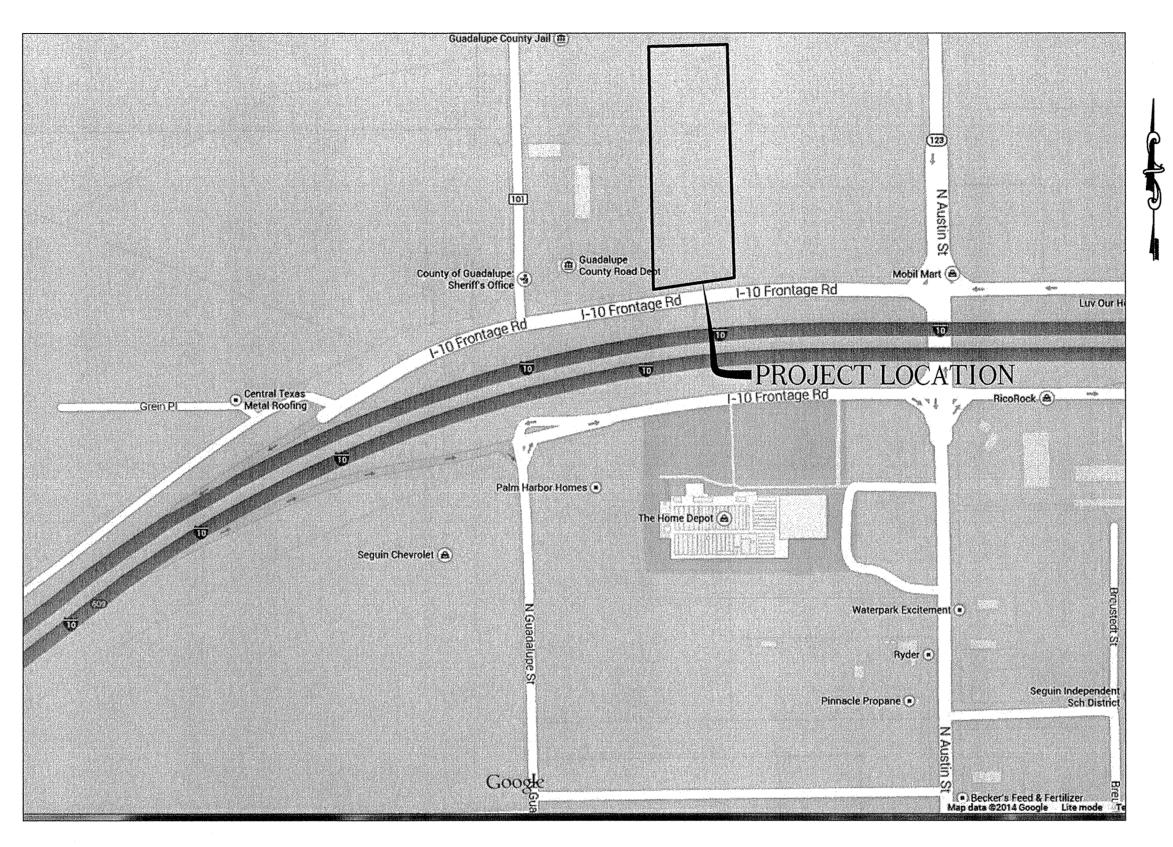
DATE: 5-2-14

GUADALUPE COUNTY LUBE CENTER

SEGUIN, TEXAS GUADALUPE COUNTY

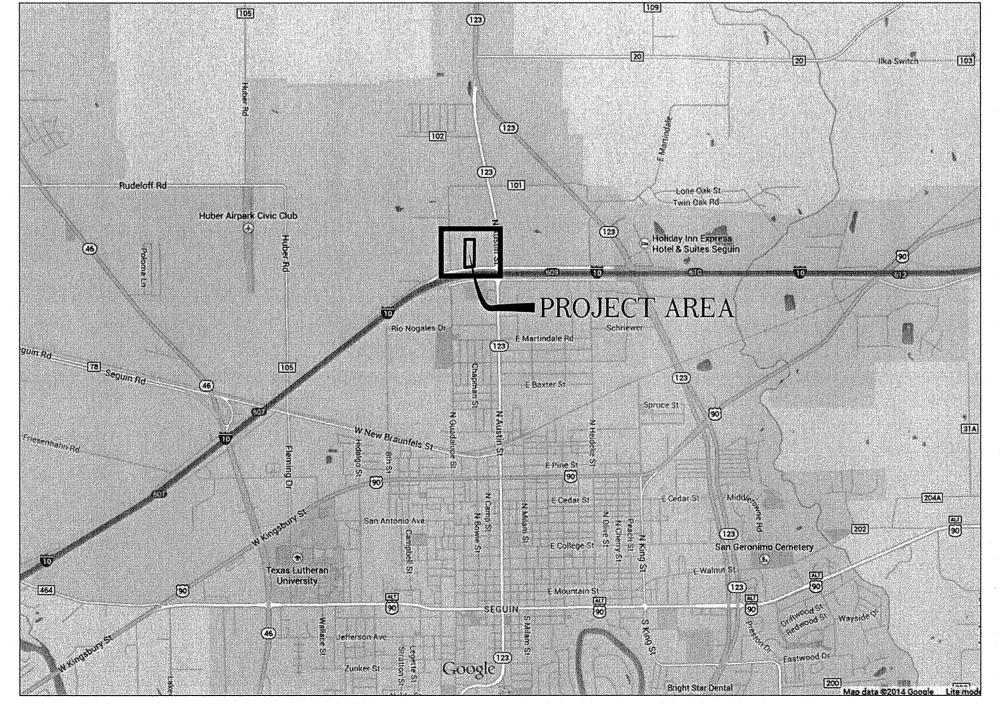
INDEX OF DRAWINGS

- COVER SHEET
- **GENERAL NOTES**
- **EXISTING SITE PLAN**
- PROPOSED SITE PLAN
- PROPOSED GRADING PLAN
- PROPOSED GENERAL DETAILS
- PROPOSED UTILITY PLAN
- PROPOSED UTILITY DETAILS
- STORM WATER POLLUTION PREVENTION PLAN
- 10 FOUNDATION DESIGN



VICINITY MAP

NOT TO SCALE



NOT TO SCALE

M&S

ENGINEERING, L.L.C. ENGINEERS, PLANNERS, AND SURVEYORS

> MAIN OFFICE P.O. BOX 970 SPRING BRANCH, TX 78070 PHONE # (830) 228-5446 FAX # (830) 885-2170

BRANCH OFFICES P.O. BOX 391 McQUEENEY, TEXAS 78123 387 WEST MILL STREET NEW BRAUNFELS, TEXAS 78130

> DATE DRAWN JUNE 2014

SHEET

ΟF

GENERAL NOTES:

- 1. BLASTING IS NOT PERMITTED ON THIS PROJECT.
 - 2. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH
 - 3. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THE WORK.
 - 4. THE TRENCH EXCAVATION AND SHORING SAFETY SYSTEM. AS OUTLINED IN THE TECHNICAL SPECIFICATIONS, WILL BE REQUIRED AS A MINIMUM TRENCH SAFETY MEASURE.
 - CONTRACTOR SHALL ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN ONLY BE ISSUED TO CONTRACTOR ARE TO BE OBTAINED AT THE CONTRACTORS EXPENSE.
 - 6. CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.
 - 7. CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE, ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF THESE CONSTRUCTION OPERATIONS ARE TO BE REPAIRED IMMEDIATELY BY THE CONTRACTOR TO AT LEAST THE PRE-EXISTING CONDITION AT NO ADDITIONAL COST TO OWNER.
 - 8. LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. NO WARRANTY IS IMPLIED AS TO THE ACTUAL LOCATION OF EXISTING UTILITIES. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - 9. WHEN UNLOCATED OR INCORRECTLY LOCATED UNDERGROUND PIPING OR A BREAK IN A LINE OR OTHER UTILITIES AND SERVICES ARE ENCOUNTERED DURING SITE WORK OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE APPLICABLE UTILITY COMPANY IMMEDIATELY TO OBTAIN PROCEDURE DIRECTIONS. THE CONTRACTOR SHALL COOPERATE WITH THE APPLICABLE UTILITY COMPANY IN MAINTAINING ACTIVE SERVICES IN OPERATION.
 - 10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE FACILITIES DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES TO BE COORDINATED WITH THE OWNER.

11. THE CONTRACTOR SHALL COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES

- WITH APPLICABLE UTILITY COMPANY OR COMPANIES. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
- 12. THE CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, AND CONTROL POINTS. RE-ESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PUBLIC SURVEYOR IN THE STATE OF TEXAS AT NO ADDITIONAL COST TO OWNER.
- 13. EXISTING PAVING, BUILDING, AND OTHER ITEMS SHOWN ON THESE PLANS NOT SPECIFICALLY RELATED TO THE WORK OF THE CONTRACTOR IS FOR INFORMATION ONLY.
- 14. DEMOLITION PERMITS (IF NEEDED) ARE TO BE OBTAINED BY THE CONTRACTOR.
- 15. EXISTING SURFACE AND SUBSURFACE STRUCTURES (GAS MAINS, WATER MAINS, STORM SEWER, TELEPHONE CABLES, ETC.) ARE SHOWN ON THE PLANS IF THEIR LOCATION HAS BEEN DETERMINED, BUT IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AVOID DAMAGING THESE EXISTING STRUCTURES WHETHER OR NOT THEY ARE SHOWN ON THE PLANS. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL OF THESE STRUCTURES ON THE PLANS OR TO SHOW THEM IN THEIR EXACT LOCATION. IF ANY STRUCTURES IS DAMAGED BY THE CONTRACTOR, IT SHALL BE HIS RESPONSIBILITY TO REPAIR THE DAMAGE AT HIS EXPENSE AND RESTORE THE STRUCTURE TO IS ORIGINAL CONDITION.
- 16. THE ORIGINAL PLANS FOR THIS PROJECT WERE PREPARED ON FULL SIZE STANDARD SHEETS (24" x 36"). THE SPECIFIC SCALE FOR THE INDIVIDUAL UNITS WOULD BE TRUE ONLY ON THE ORIGINAL TRACING. REPRODUCED COPIES, REDUCTIONS OR OTHER METHODS OF PRINTING MAY CHANGE OR ALTER THE SCALE. THE ENGINEER IS NOT RESPONSIBLE FOR SCALE DIMENSIONS UTILIZED BY OTHERS ON THESE PLANS.
- 17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCE, IF REQUIRED. THE CONTRACTOR SHALL PRESERVE AND PROTECT PUBLIC UTILITIES AT ALL TIMES DURING CONSTRUCTION, ANY DAMAGE TO UTILITIES RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE RESTORED AT HIS EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN PROPOSED FACILITY GRADES CONFLICT WITH EXISTING UTILITY
- 18. ALL CONCEPTS, IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THESE INSTRUMENTS, AS OUTLINED ON THE TITLE SHEET INDEX, AND BY ANY ADDENDUM ARE OWNED BY AND ARE THE PROPERTY OF M & S ENGINEERING, LTD. AND WERE CREATED AND DEVELOPED FOR THE USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE CONCEPTS, IDEAS, DESIGN, ARRANGEMENTS, OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF M & S ENGINEERING, LTD. OF SPRING BRANCH, TEXAS.
- 19. A PRE-CONSTRUCTION CONFERENCE IS TO BE HELD PRIOR TO BEGINNING CONSTRUCTION. THE CONFERENCE SHALL TAKE PLACE AT A LOCATION SELECTED BY OWNER AND ENGINEER. CONTRACTOR TO ARRANGE A MEETING DATE WITH THE OWNER AT LEAST SEVEN DAYS PRIOR TO THE MEETING TIME.

GENERAL ENVIRONMENTAL NOTES:

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING EXCESS AND WASTE MATERIALS, INCLUDING METHODS OF HANDLING AND DISPOSAL.
- 2. CONTRACTOR SHALL LOCATE MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS.
- FUEL STORAGE IS NOT ALLOWED ON THIS PROJECT.
- 4. THE CONTRACTOR SHALL ADVISE OWNER IMMEDIATELY, VERBALLY AND IN WRITING, OF ANY FUEL OR TOXIC MATERIALS SPILLS WITHIN THE PROJECT/CONSTRUCTION AREA AND THE ACTIONS TO BE TAKEN TO REMEDY THE PROBLEM.
- 5. THE CONTRACTOR SHALL DISPOSE OF FUELS, HAZARDOUS MATERIALS, AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
- 6. NO OPEN BURNING IS ALLOWED ON THIS PROJECT.

STORM WATER NOTES:

THROUGHOUT THE CONSTRUCTION, AND AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL ASSURE THAT DRAINAGE OF STORM WATER RUNOFF IS NOT

SITE GRADING NOTES:

- 1. THE CONTRACTOR SHALL CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES.
- 2. ALL EXCESS EXCAVATED MATERIAL IS TO BE REMOVED FROM THE SITE. THE EXCESS EXCAVATION MATERIAL SHALL NOT BE STOCKPILED.
- 3. ADJUST MANHOLES COVERS, VALVE BOXES, ELECTRICAL MANHOLES, ETC. TO MATCH PROPOSED FINISHED GRADE (NO SEPARATE PAY).

UTILITY NOTES:

- 1. 1.EXISTING UTILITIES IN THE AREA ARE SHOWN IN ACCORDANCE WITH ASCE 38-02 "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" AS SPECIFIED IN THE SIGNED CONTRACT SCOPE OF WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TEXAS ONE CALL CENTER PRIOR TO THE START OF ANY CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
- 2. ALL UTILITY SYMBOLS SHOWN REPRESENT APPROXIMATE LOCATIONS UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REFER TO THE APPROPRIATE AGENCY'S STANDARD SPECIFICATIONS AND INSTALLATION DETAILS FOR ACTUAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SAFETY FENCE NOTES:

- 1. SAFETY FENCE SHALL BE USED TO PROTECT ALL EXCAVATIONS AND TO SEPARATE CONSTRUCTION ACTIVITIES FROM PEDESTRIAN, DURING THE ENTIRE CONSTRUCTION
- 2. ALL SAFETY FENCING SHALL BE PLASTIC, 4' MINIMUM HEIGHT AND ORANGE IN COLOR.
- 3. SAFETY FENCE USED WITHIN THE ROADWAY SHALL BE REFLECTORIZED WITH A MINIMUM OF TWO (2) STRIPS OF RETROREFLECTIVE MATERIAL. A MINIMUM OF 1' WIDE THE LENGTH OF THE FENCE OR DELINEATED BY CHANNELIZING DEVICES.
- 4. SAFETY FENCE USED TO SEPARATE SIDEWALKS FROM CONSTRUCTION ACTIVITIES SHALL HAVE MINIMUM ENCROACHMENT TO THE SIDEWALK.
- 5. FENCE MATERIAL SHALL BE SUPPORTED FROM 1/2" DIA. NYLON ROPE FROM POSTS SPACED ON A MAXIMUM 8 FT. CENTERS. POSTS SHALL EXTEND 4' ABOVE NATURAL GROUND. FENCE MATERIAL SHALL BE SECURED TO POSTS W/ PLASTIC WIRE TIES, MINIMUM 3 PER POST.
- 6. POST SHALL INCLUDE SUPPORT BRACES SUFFICIENT TO HANDLE ALL LOADS.
- 7. PAYMENT FOR SECURITY FENCE SHALL BE BASED ON A LUMP SUM FOR EACH EXTENSION INCLUDING ALL INCIDENTAL WORK (LABOR, MATERIALS, EQUIPMENT, ETC.)

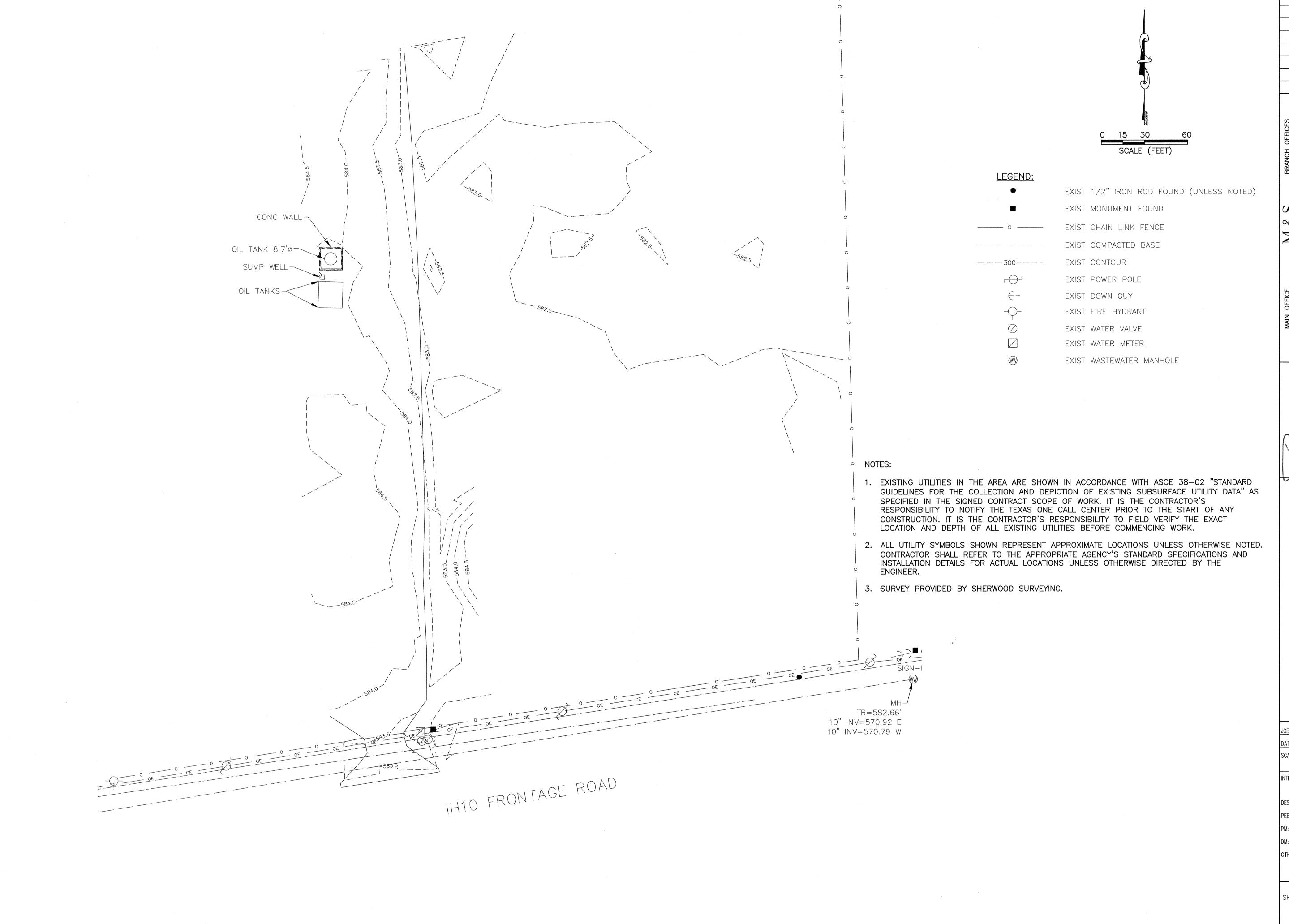
REVISIONS



<u> 13GUADCO001</u> DATE: JUNE 2014 SCALE: H: 1" = 1"

V: 1" = 1'INTERNAL REVIEW:

SHEET:

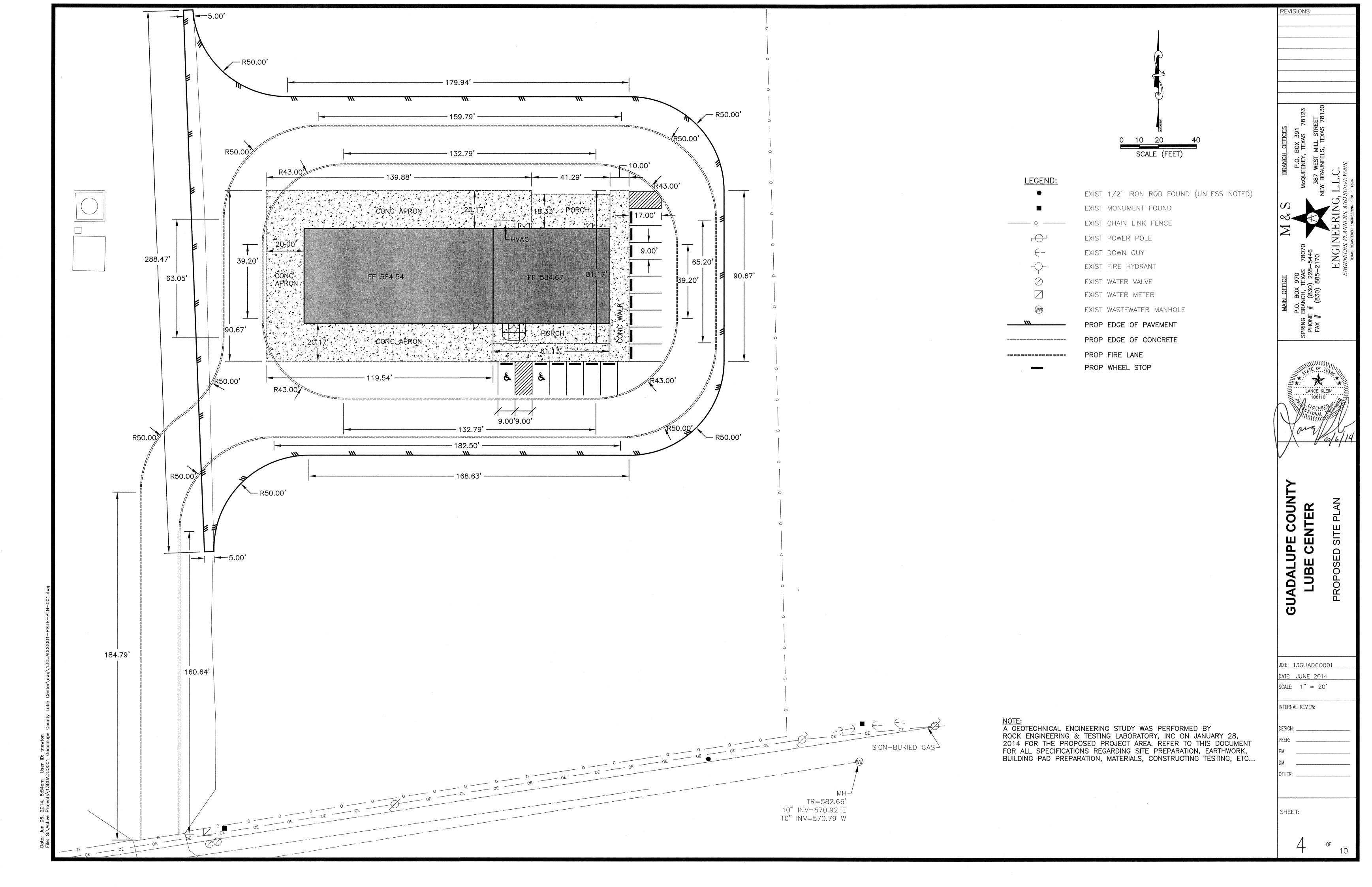


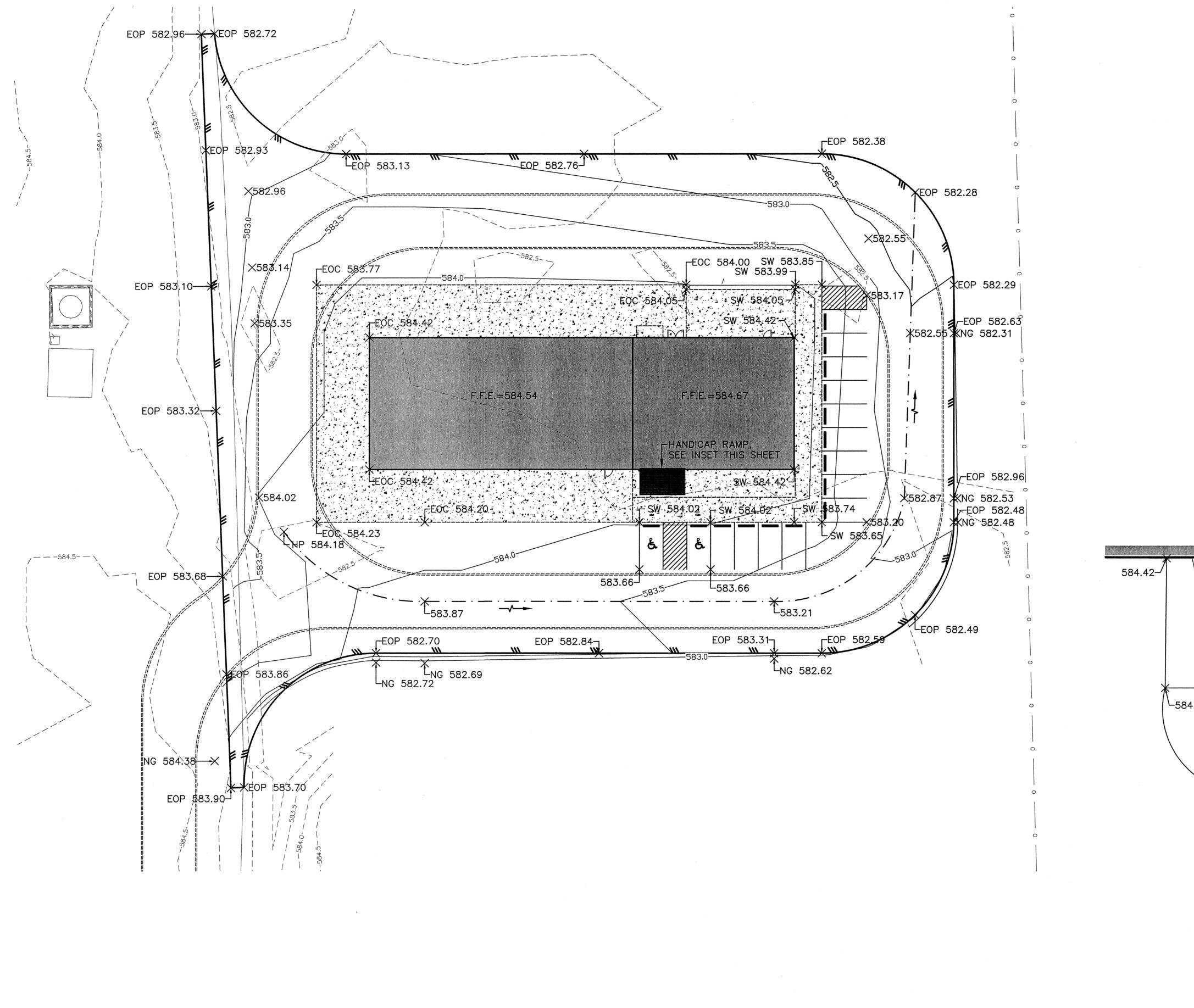
JPE COUNTY CENTER GU,

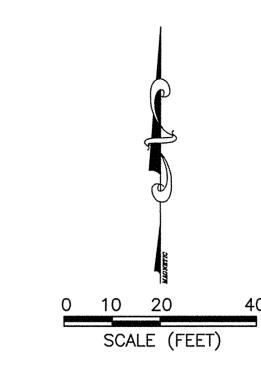
JOB: 13GUADCOO01 DATE: JUNE 2014 SCALE: 1" = 30'

INTERNAL REVIEW:

SHEET:







LEGEND:

■ EXIST 1/2" IRON ROD FOUND (UNLESS NOTED)

■ EXIST MONUMENT FOUND

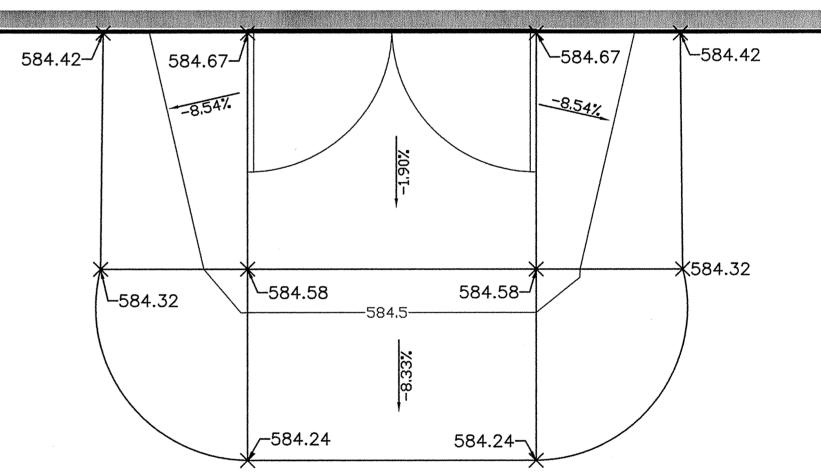
— O — EXIST CHAIN LINK FENCE

— 300 — PROP EDGE OF PAVEMENT

— PROP FLOWLINE

— PROP WATER FLOW DIRECTION

PROP CONTOUR



INSET: HANDICAP RAMP
SCALE: 1"=2"

LANCE KLEIN
106110

CENSE
ONAL

MILLIAN

MILLIN

MILLIAN

MILLIAN

MILLIAN

MILLIAN

MILLIAN

MILLIAN

MILLIAN

REVISIONS

GUADALUPE COUNTY LUBE CENTER

JOB: 13GUADCO001

DATE: JUNE 2014

SCALE: 1" = 20'

SCALE: 1 = 20

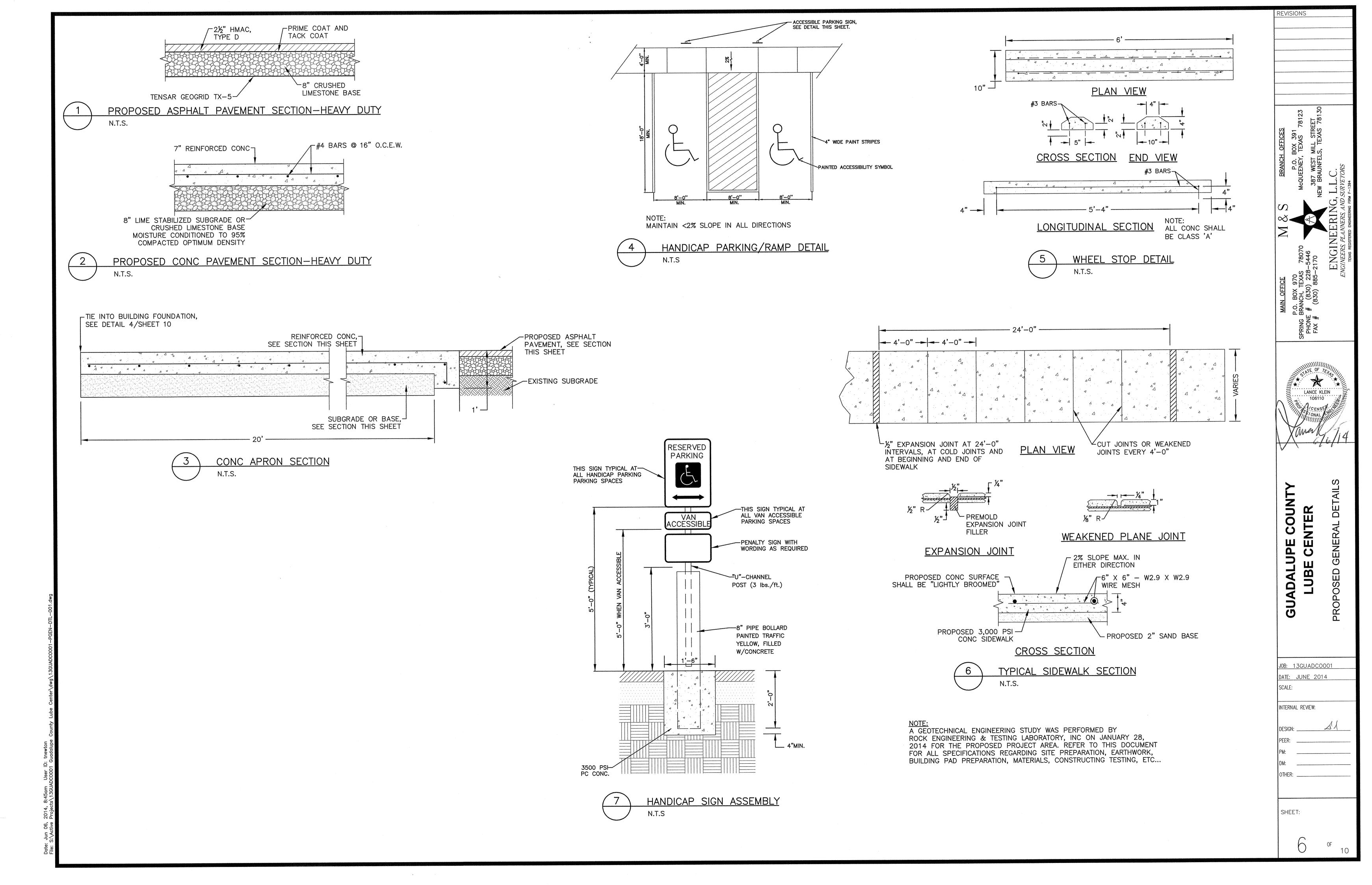
INTERNAL REVIEW:

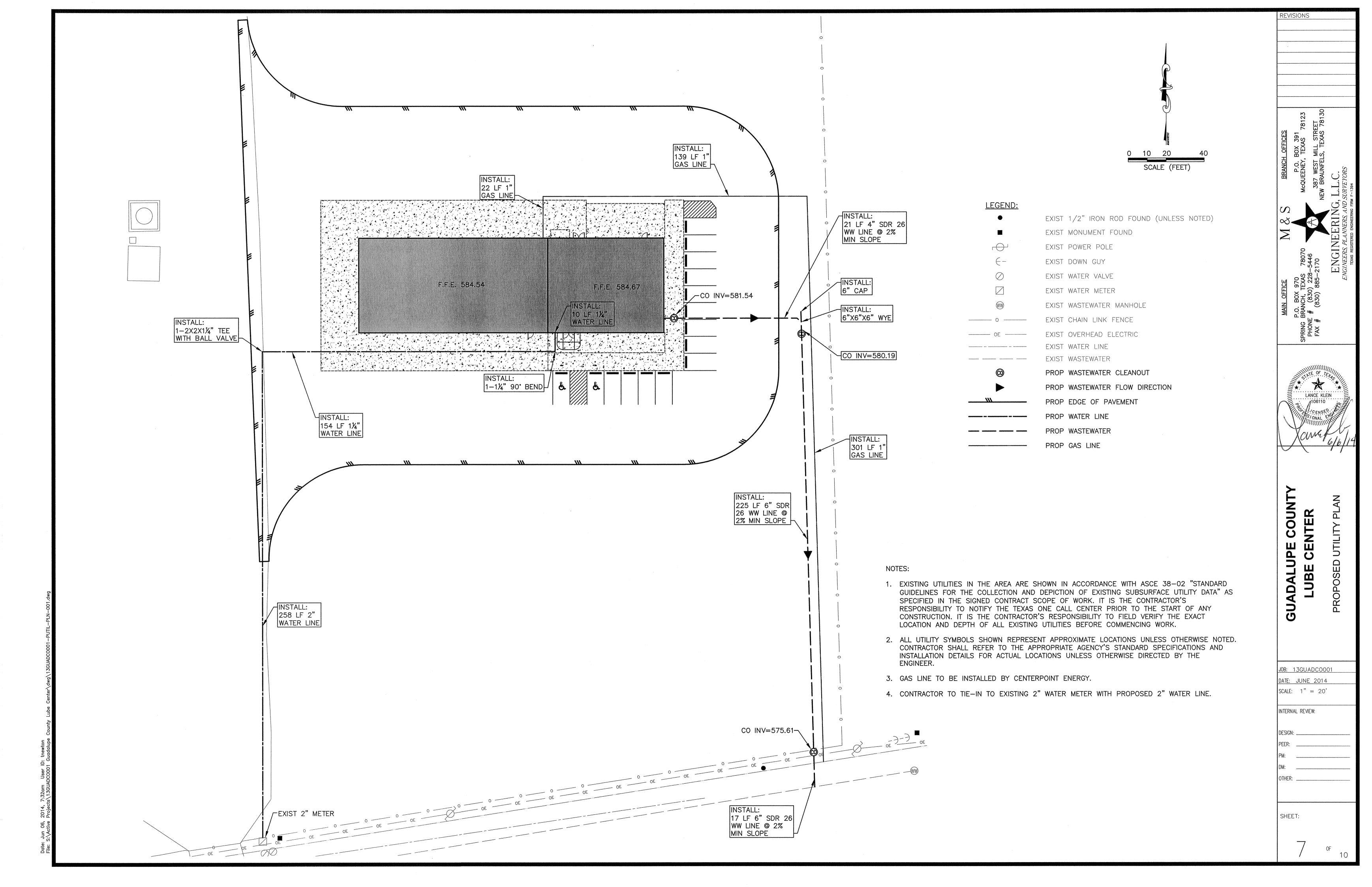
IGN: ______

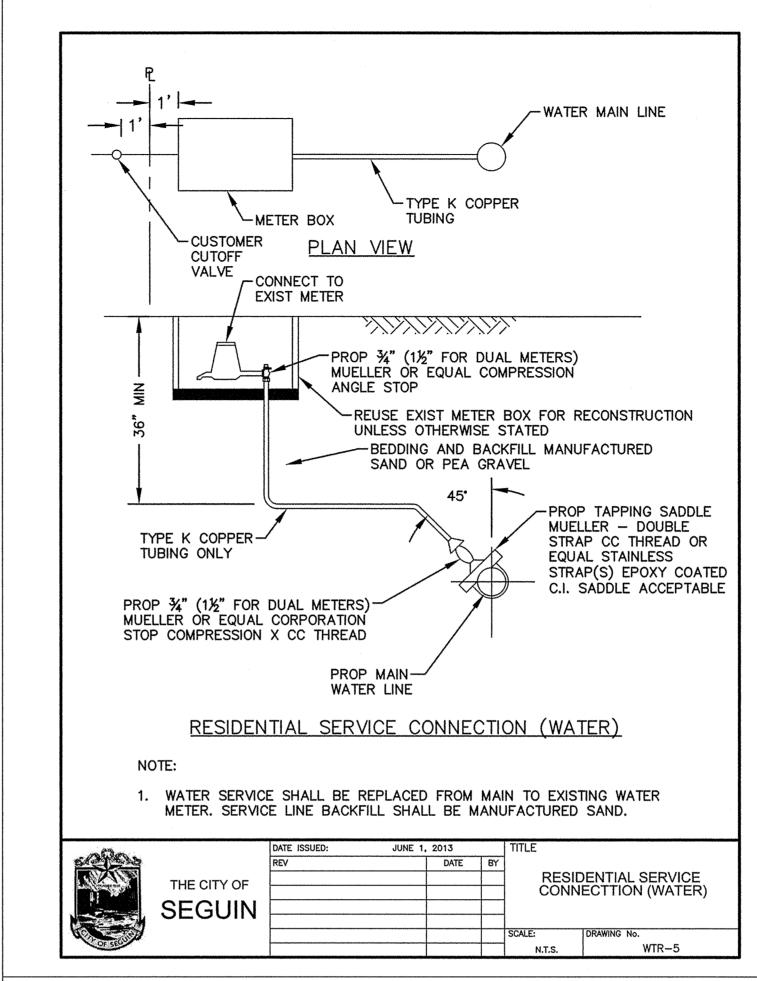
ER:

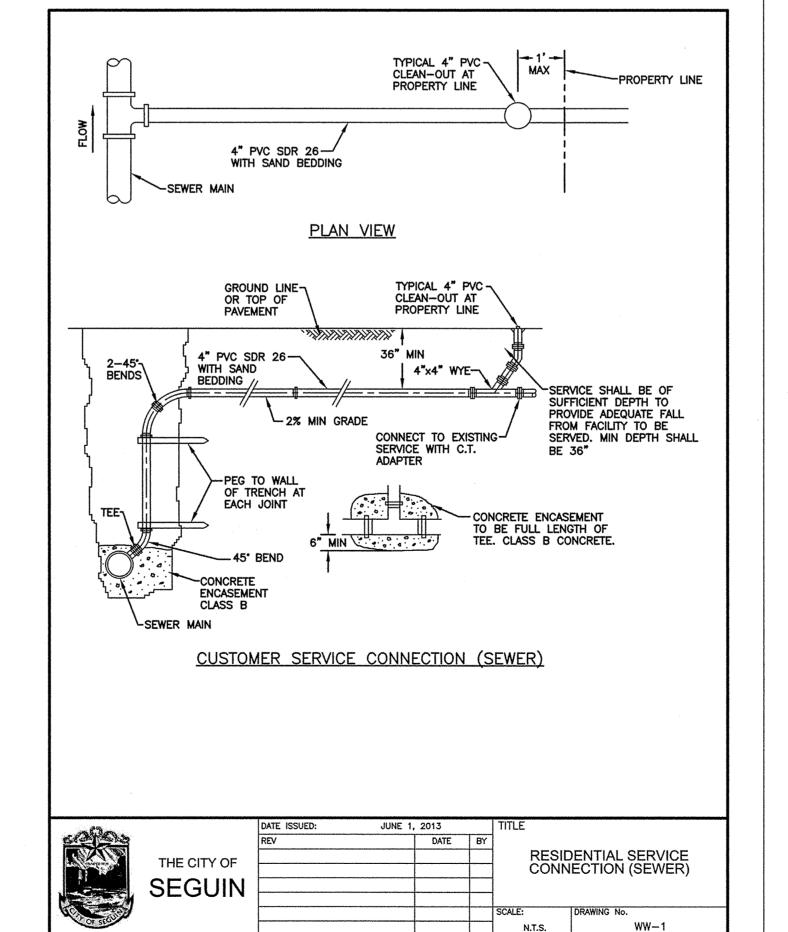
SHEET:

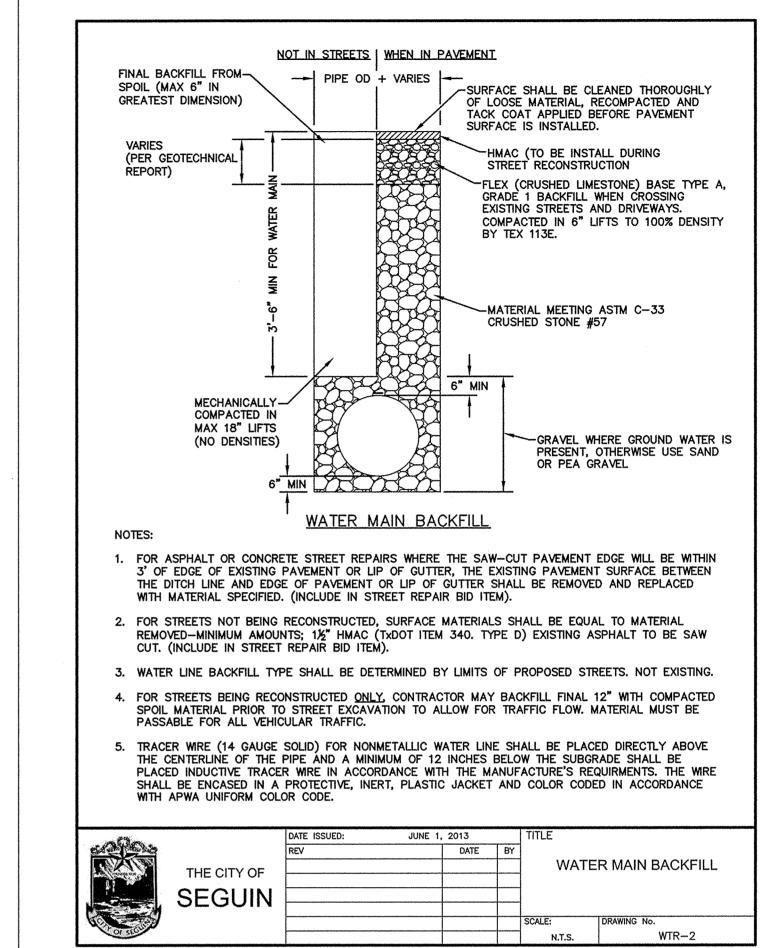
OF 10

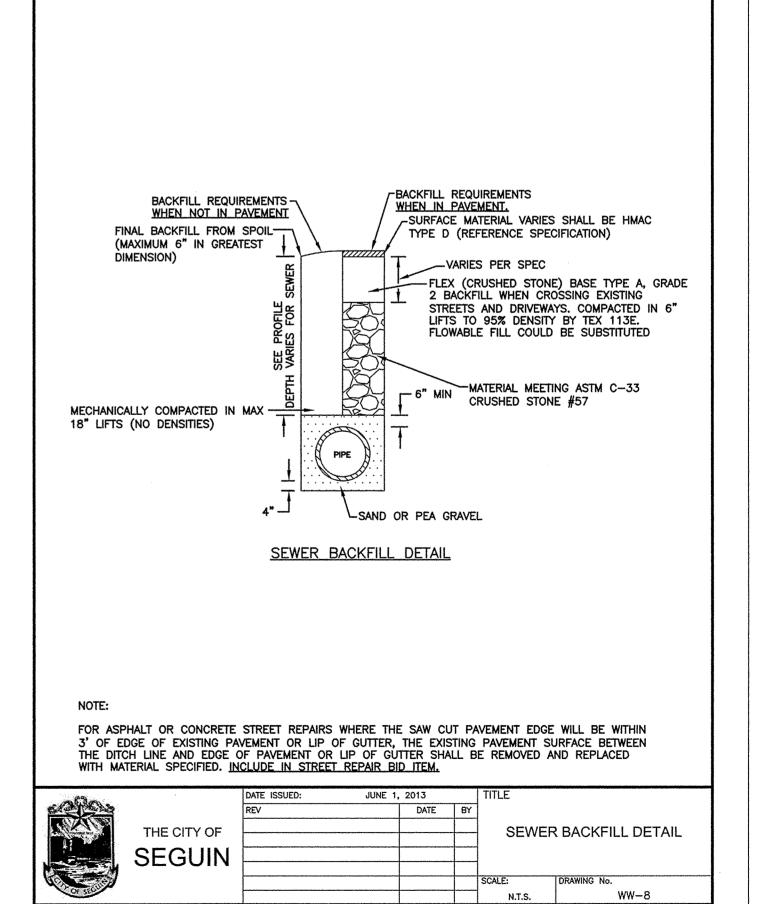


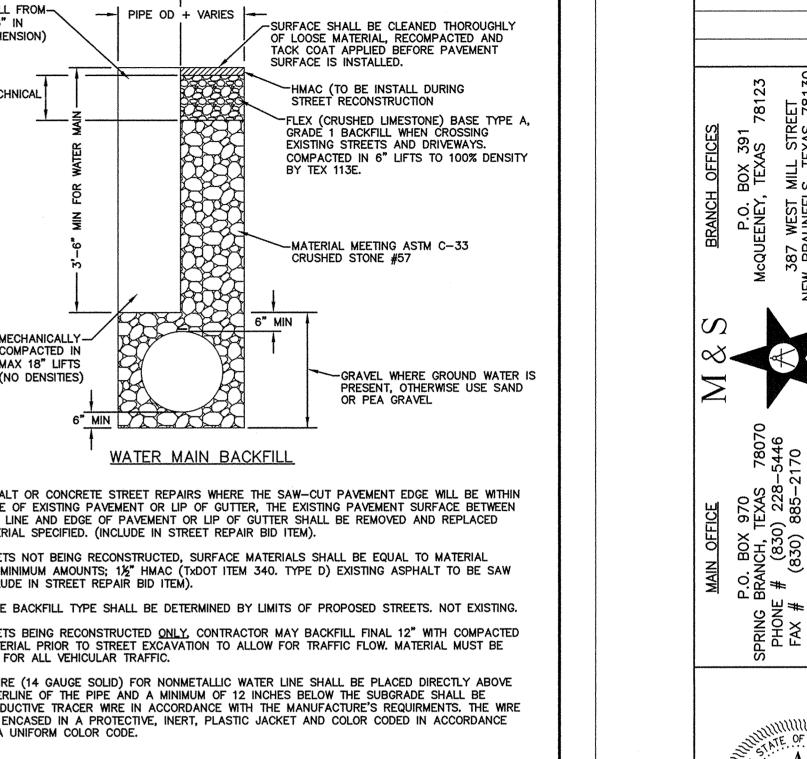


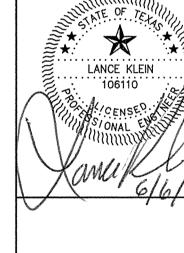










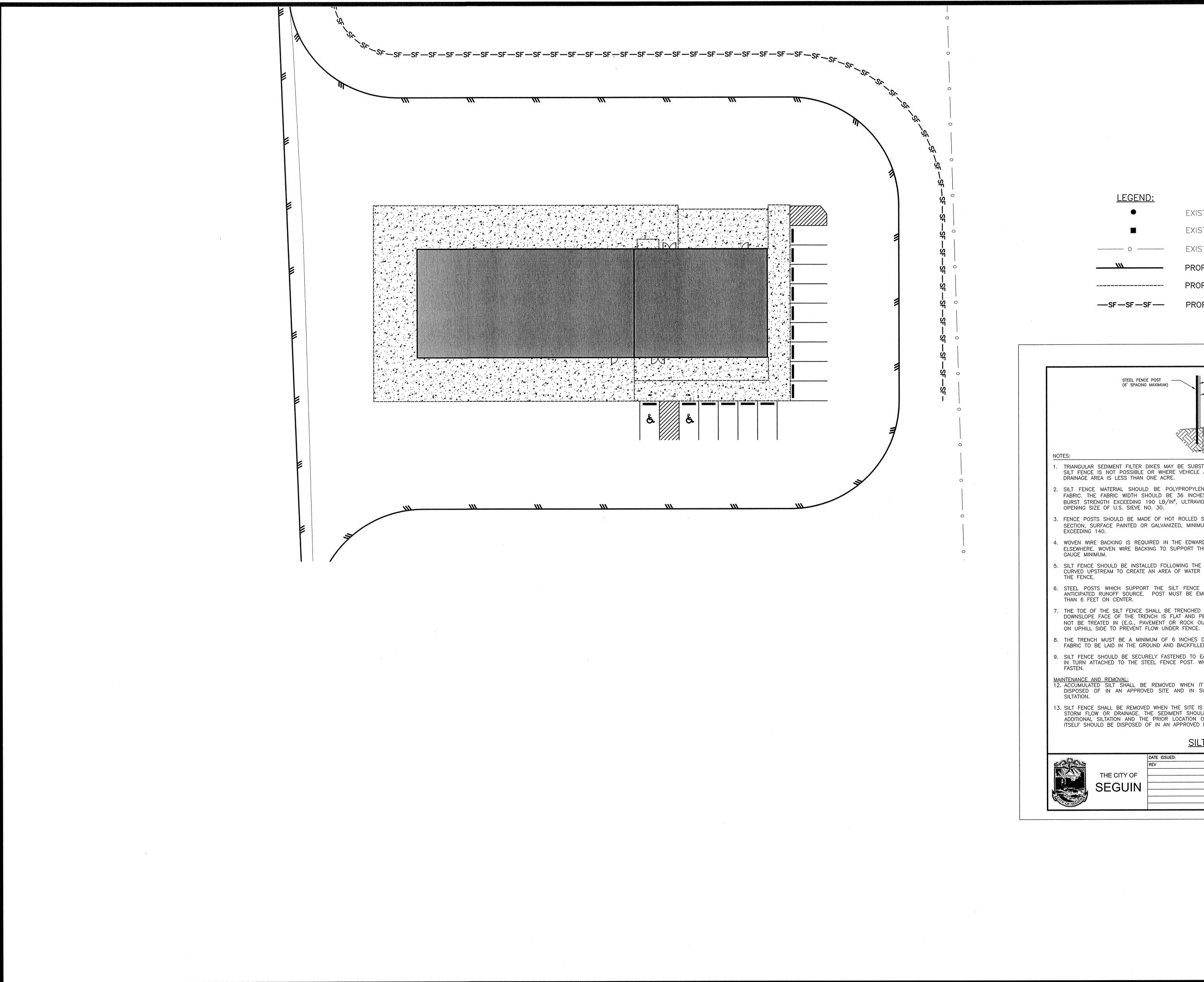


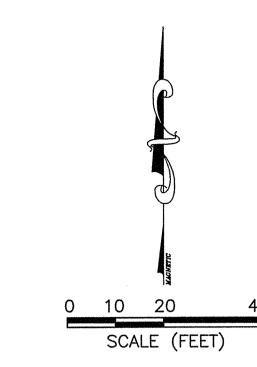
NOO $\mathbf{\Omega}$

(1)

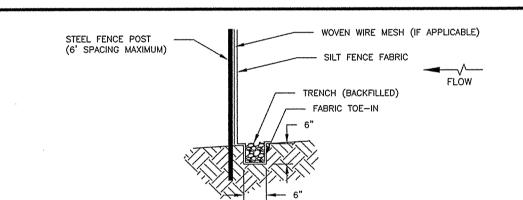
<u> 13GUADCO001</u> DATE: JUNE 2014 SCALE: H: 1" = 1'V: 1" = 1'INTERNAL REVIEW:

SHEET:





EXIST 1/2" IRON ROD FOUND (UNLESS NOTED) EXIST MONUMENT FOUND EXIST CHAIN LINK FENCE PROP EDGE OF PAVEMENT PROP EDGE OF CONCRETE PROP SILT FENCE

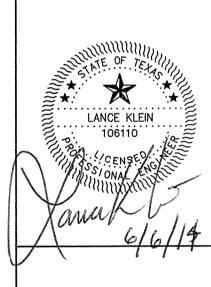


- TRIANGULAR SEDIMENT FILTER DIKES MAY BE SUBSTITUTED FOR SILT FENCE IN AREAS WHERE INSTALLATION OF SILT FENCE IS NOT POSSIBLE OR WHERE VEHICLE ACCESS MUST BE MAINTAINED PROVIDED THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE ACRE.
- SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC WIDTH SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN2, ULTRAVIOLET STABILITY EXCEEDING 70%, AND A MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NO. 30.
- 3. FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y-BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM NOMINAL WEIGHT 1.25 LB/FT2, AND BRINDELL HARDNESS
- WOVEN WIRE BACKING IS REQUIRED IN THE EDWARDS AQUIFER RECHARGE AND CONTRIBUTING ZONE; OPTIONAL ELSEWHERE. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2"X4" WELDED WIRE, 12
- 5. SILT FENCE SHOULD BE INSTALLED FOLLOWING THE CONTOURS AS CLOSE AS POSSIBLE. THE ENDS SHOULD BE CURVED UPSTREAM TO CREATE AN AREA OF WATER IMPOUNDMENT AND PREVENT FLOW FROM ESCAPING AROUND
- 6. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT AND SPACED NOT MORE
- 7. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CAN NOT BE TREATED IN (E.G., PAVEMENT OR ROCK OUTCROP) WEIGHT FABRIC FLAP WITH 3" OF WASHED GRAVEL
- 8. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- 9. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POSTS OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. WHERE ENDS MEET, OVERLAP FABRIC 3—FEET AND SECURELY
- MAINTENANCE AND REMOVAL:

 12. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL
- 13. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. THE SEDIMENT SHOULD BE DISPOSED OF IN A MANNER THAT WILL NOT CAUSE ADDITIONAL SILTATION AND THE PRIOR LOCATION OF THE SILT FENCE SHOULD BE REVEGETATED. THE FENCE ITSELF SHOULD BE DISPOSED OF IN AN APPROVED LANDFILL.

SILT FENCE

ISSUED:	JUNE 1,	2013		TITLE	
<u> </u>		DATE	BY		
					SILT FENCE
			ļ		OILT I LITOL
					Landing
				SCALE:	DRAWING No.
				N.T.S.	EC-

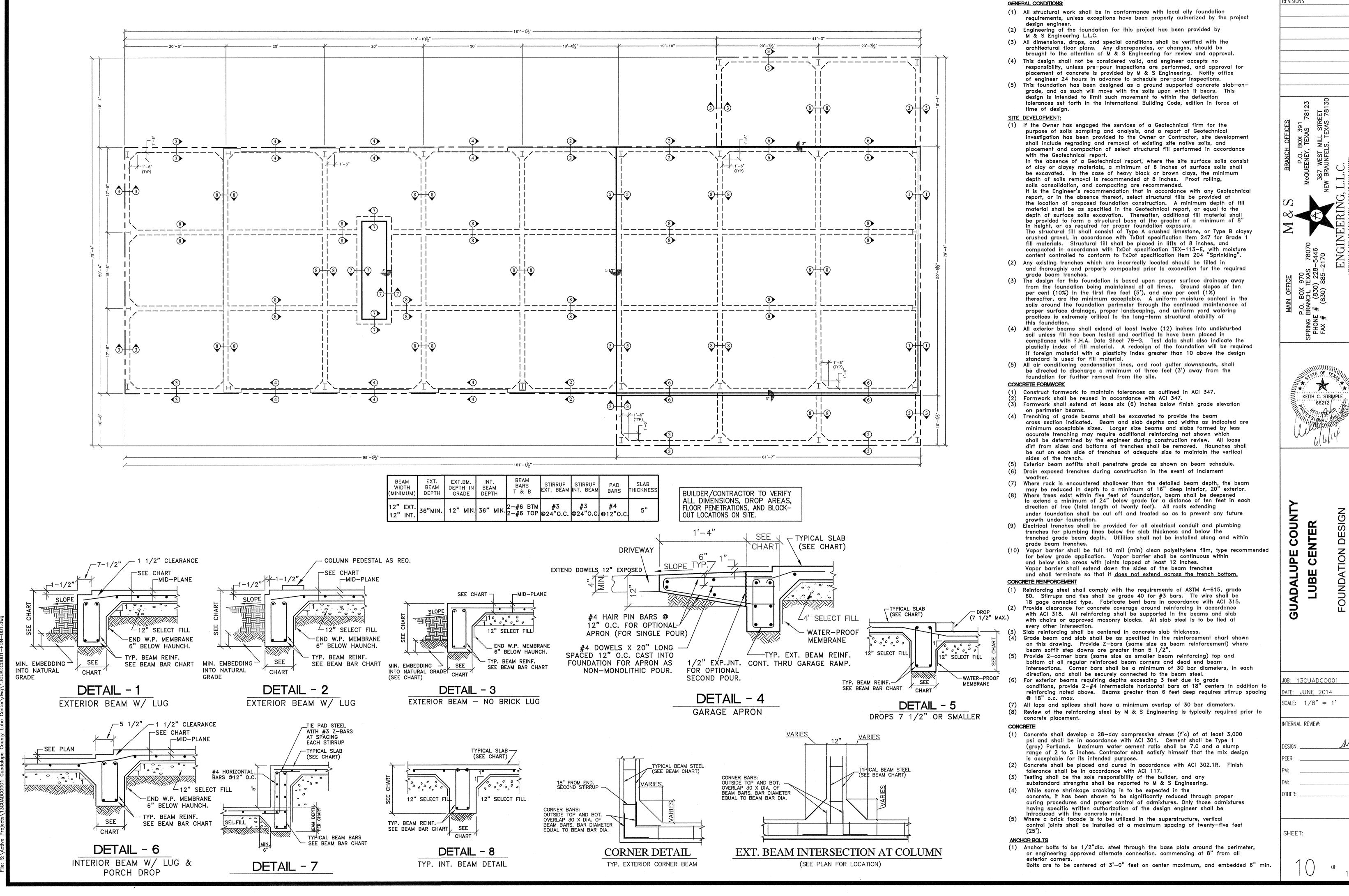


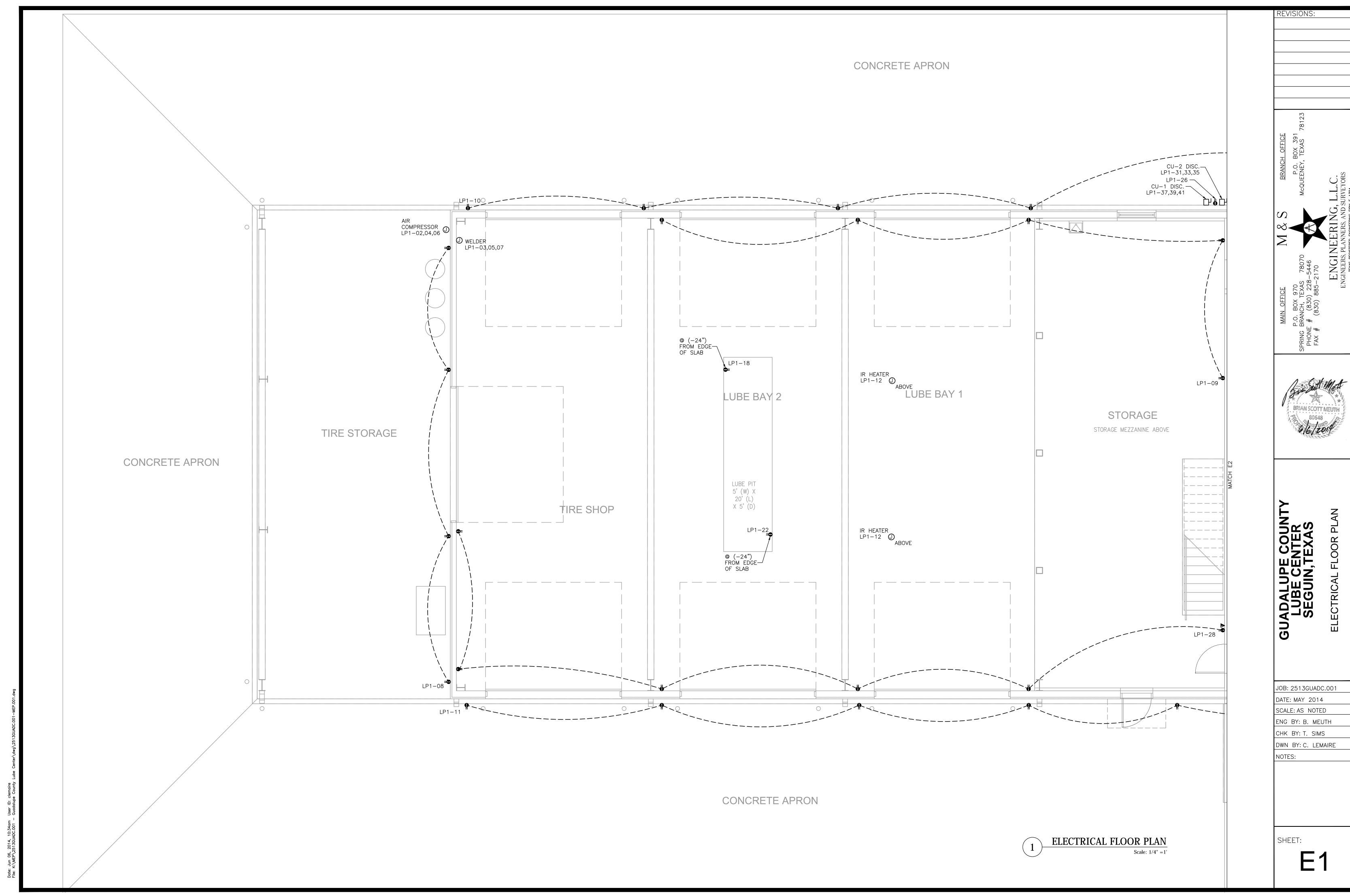
COUNT CENTER DALUPE

ORM WATER POLLUTION PREVENTION PLAN LUBE

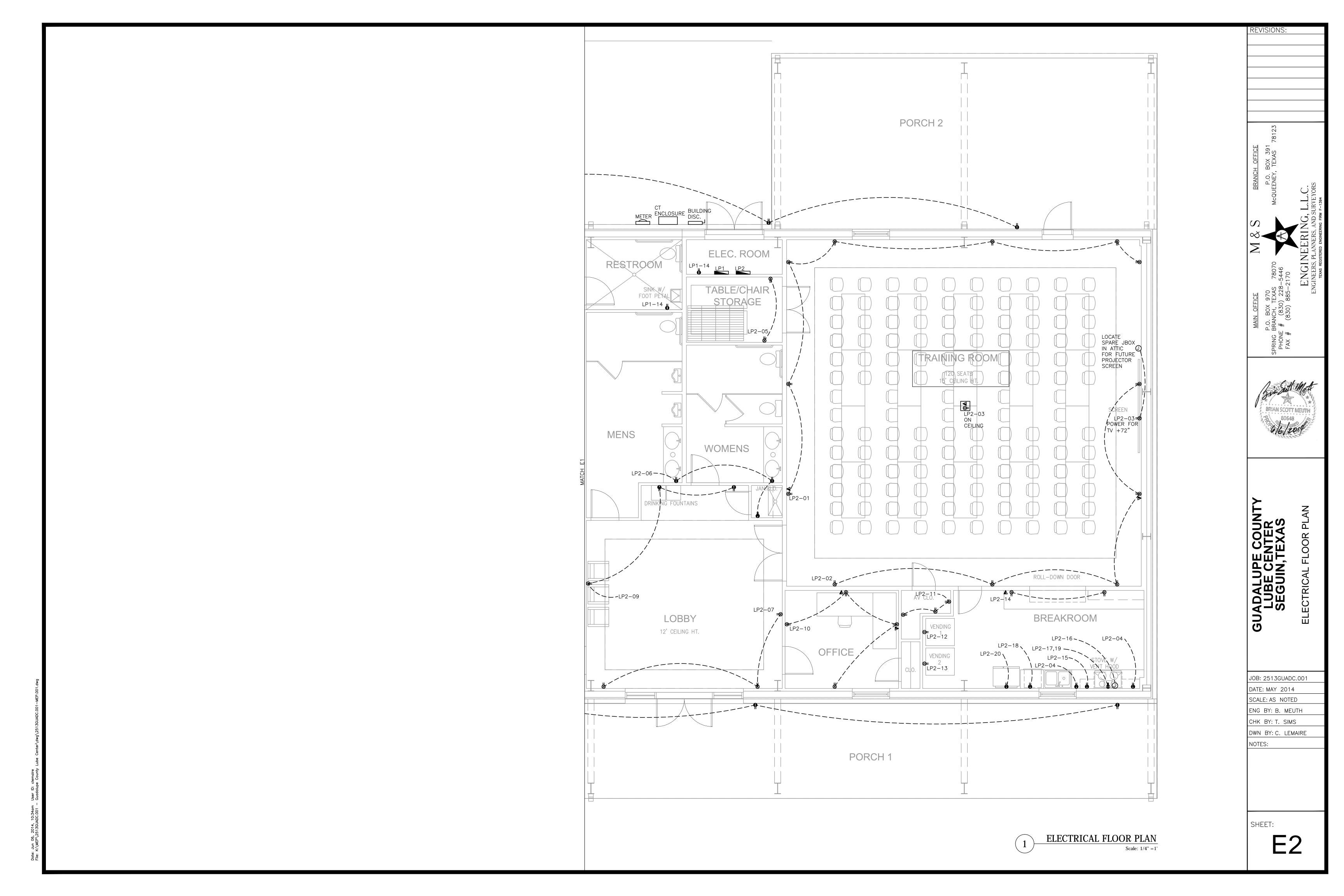
JOB: 13GUADCO001 SCALE: 1" = 20'INTERNAL REVIEW:

SHEET:





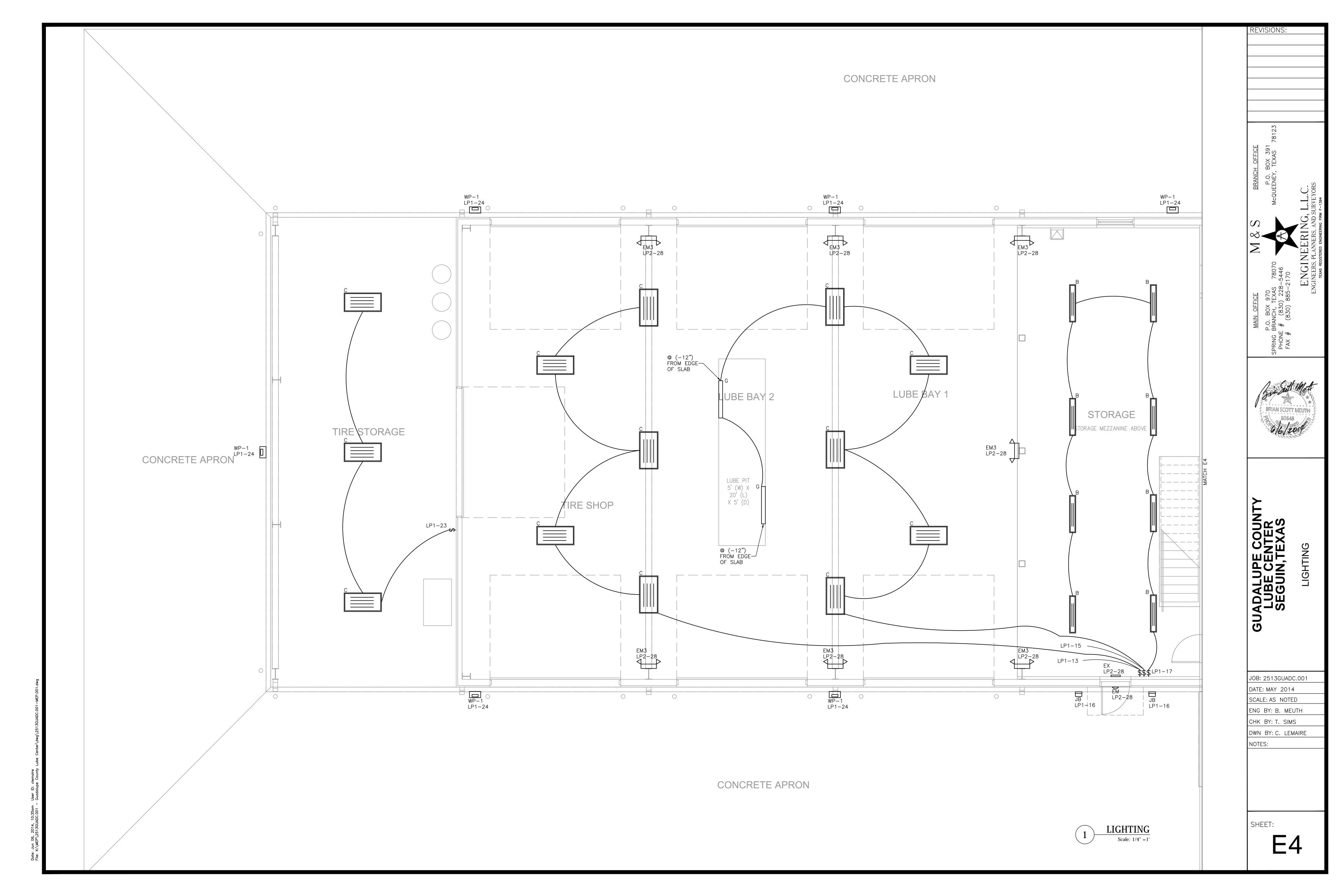


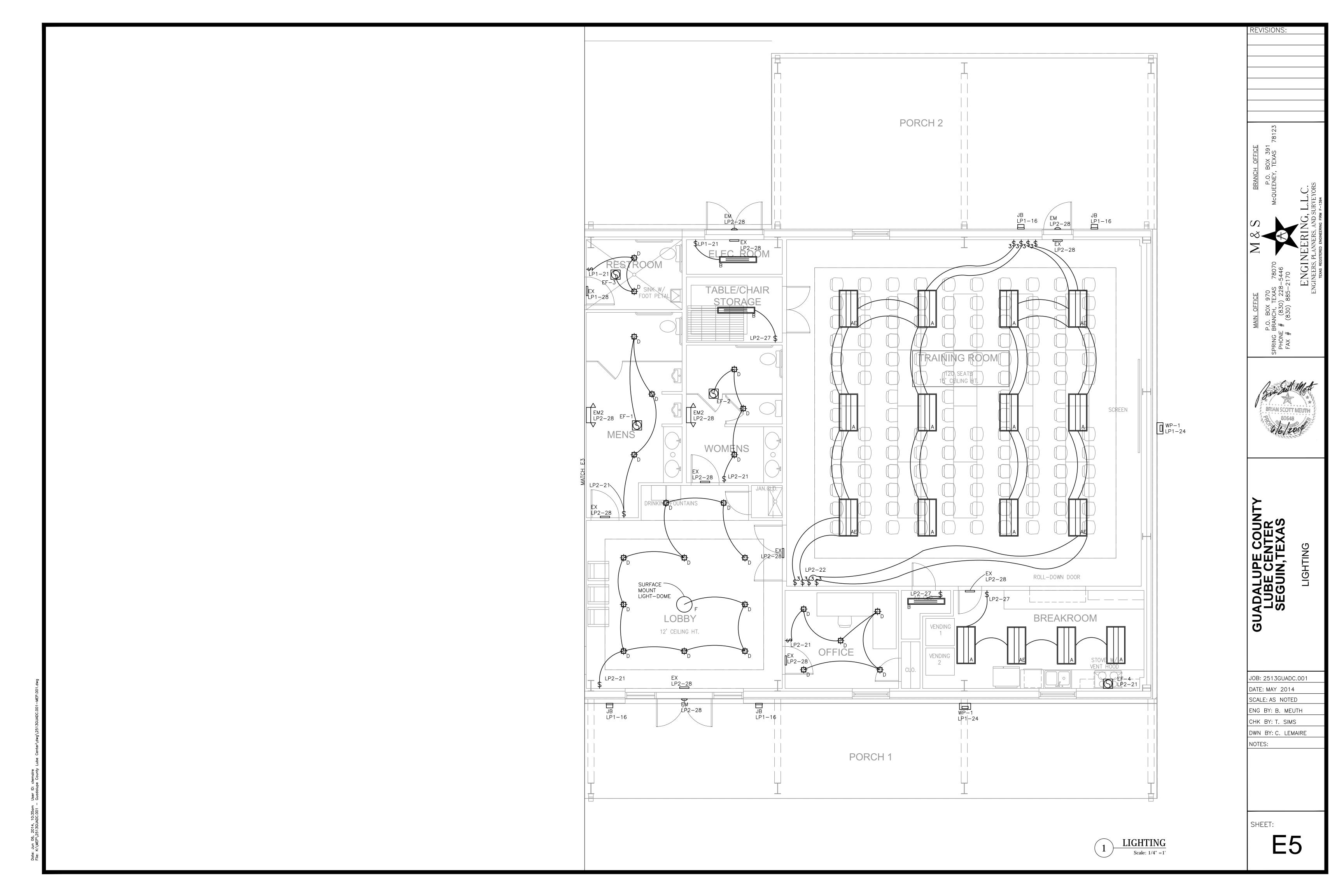


FURANCE-1
DISC. LP1-34
LP1-26
H-2 DISC.
LP1-30
AHU-2 DISC.
LP1-25,27,29 AHU-2STORAGE CIRCULATING = PUMP LP1-01 MEZZANINE WATER HEATER≠ LP1-01 JOB: 2513GUADC.001 DATE: MAY 2014 SCALE: AS NOTED ENG BY: B. MEUTH CHK BY: T. SIMS DWN BY: C. LEMAIRE NOTES: SHEET: ELECTRICAL 2ND FLOOR PLAN

Scale: 1/4" = 1'

REVISIONS:





STORAGE MEZZANINE EM3 LP2-28

LIGHTING-ATTIC

Scale: 1/4" =1'

JOB: 2513GUADC.001 DATE: MAY 2014 SCALE: AS NOTED ENG BY: B. MEUTH CHK BY: T. SIMS DWN BY: C. LEMAIRE NOTES:

SHEET:

E6

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRIC CODE (NEC), APPLICABLE
- BUILDING CODES, AND O.S.H.A LATEST EDITIONS.

 2. PANELS AND LOADS ARE A DESIGN GUIDE, DO NOT INCLUDE OPTIONAL EQUIPMENT, AND ARE BASED ON PROTOTYPICAL EQUIPMENT. CONTRACTOR TO VERIFY BREAKER SIZE WITH EQUIPMENT MANUFACTURERS IN FIELD BEFORE MAKING FINAL CONNECTIONS.
- 3. COORDINATE EXACT LOCATION OF ALL FIXTURES, OUTLETS, AND EQUIPMENT AS PER MANUFACTURER'S RECOMMENDATIONS.
- 4. ALL FIXTURES AND EQUIPMENT TO BE AS STATED OR AS APPROVED BY OWNER.
- 5. POWER DISTRIBUTION PANELBOARD(S): FURNISH AND INSTALL DISTRIBUTION PANELBOARD(S) AS SPECIFIED HEREIN AND WHERE SHOWN ON THE ASSOCIATED DRAWINGS. ACCEPTABLE MANUFACTURERS: SCHNEIDER ELECTRIC, SIEMENS, OR APPROVED EQUAL.
- 6. AS PER NEC ARTICLE 422.31, THE DISCONNECTING MEANS MUST BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION. THE DEVICE MUST HAVE PROVISIONS FOR PLACEMENT OF A LOCK ON IT TO SECURE THE DEVICE IN THE OFF POSITION. THE LOCK—OUT DEVICE MUST BE PART OF THE DISCONNECT ASSEMBLY AND MUST REMAIN IN PLACE AFTER THE PADLOCK IS REMOVED WHETHER IT IS A FUSED DISCONNECT SWITCH, A SINGLE CIRCUIT BREAKER, OR A CIRCUIT BREAKER IN A PANELBOARD.
- 7. PROVIDE ALL GROUNDING AND BONDING AS REQUIRED BY THE NEC OR ANY LOCAL CODES.

 8. AS A MINIMUM, THE GROUNDING ELECTRODE SYSTEM SHALL CONSIST OF A CONCRETE ENCASED ELECTRODE, COLD WATER PIPE BOND, STRUCTURAL STEEL BOND AND GROUNDING ELECTRODE AS PER ARTICLE 250.22
- 9. ALL FEEDER, BRANCH CIRCUITS, AND SIGNAL WIRING SHALL BE COPPER AND INSTALLED IN CONDUIT OR EMT.
- 10. MINIMUM SIZE FOR BRANCH CIRCUIT AND POWER WIRING SHALL BE 12 AWG.

 11. CONDUCTORS SHALL BE UL LISTED TYPE MTW, THHN, OR THWN-2 GASOLINE AND OIL RESISTANT II SUITABLE FOR OPERATIONS AT 600 VOLTS AS SPECIFIED IN THE NEC. SIZES 12 THROUGH 1 AWG SHALL BE RATED VW-1. LARGER SIZES SHALL BE LISTED FOR CT USE. SIZES 2 AWG AND LARGER SHALL BE LISTED AND MARKED SUNLIGHT RESISTANT IN BLACK COLOR ONLY. CONDUCTORS SHALL BE ANNEALED COPPER, INSULATED WITH HIGH HEAT AND MOISTURE RESISTANT PVC, JACKETED WITH ABRASION, MOISTURE, GASOLINE AND OIL RESISTANT NYLON OR LISTED EQUIVALENT AS MANUFACTURED BY SOUTHWIRE COMPANY OR
- 12. CONDUCTORS 10 AWG AND SMALLER SHALL HAVE FACTORY COLORED INSULATION. CONDUCTORS 8 AWG AND LARGER MAY HAVE FACTORY COLORED BLACK INSULATION WITH A MARKING TAPE THAT ENCIRCLES THE INSULATION FOR A MINIMUM OF 2 INCHES IN LENGTH. COLOR OF INSULATION OR MARKING TAPE SHALL COMPLY WITH THE FOLLOWING FOR 208Y/120 VOLT THREE PHASE: A—BLACK, B—RED, C—BLUE.
- 13. UNGROUNDED CONDUCTORS SHALL BE IDENTIFIED IN ACCORDANCE WITH NEC 210.5(C) (1), (2), AND (3). 14. ALL WIRING, INCLUDING CONTROL WIRING, EXPOSED TO WEATHER SHALL BE INSTALLED IN CONDUIT
- APPROVED FOR EXTERIOR USE.

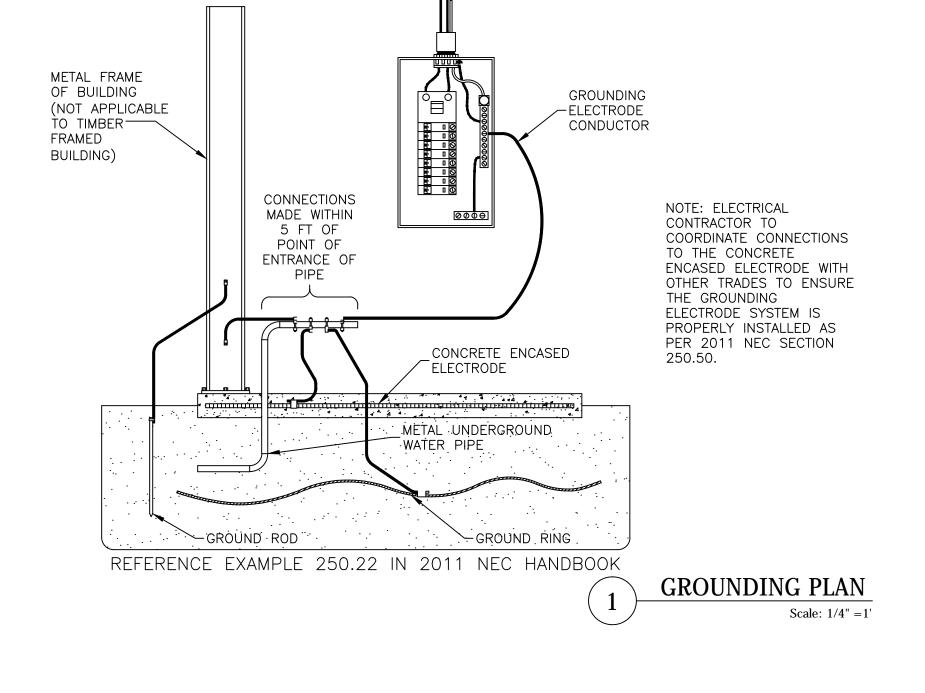
 15. ALL CONDUIT AND FLEXIBLE CONDUITS THAT ARE EXPOSED TO WATER, SPLASHING, OR WEATHER SHALL BE
- LIQUIDTIGHT.
- 16. ALL RECEPTACLES AND SWITCHES IN COMMERCIAL BUILDINGS SHALL BE RATED AT 20 AMP MINIMUM.
 17. AS PER 210.8 (B) (2) OF THE 2011 NEC, ALL 20-AMPERE, 125-VOLT RECEPTACLES IN NON-DWELLING
- TYPE KITCHENS TÓ BÉ GFCI PROTECTED.

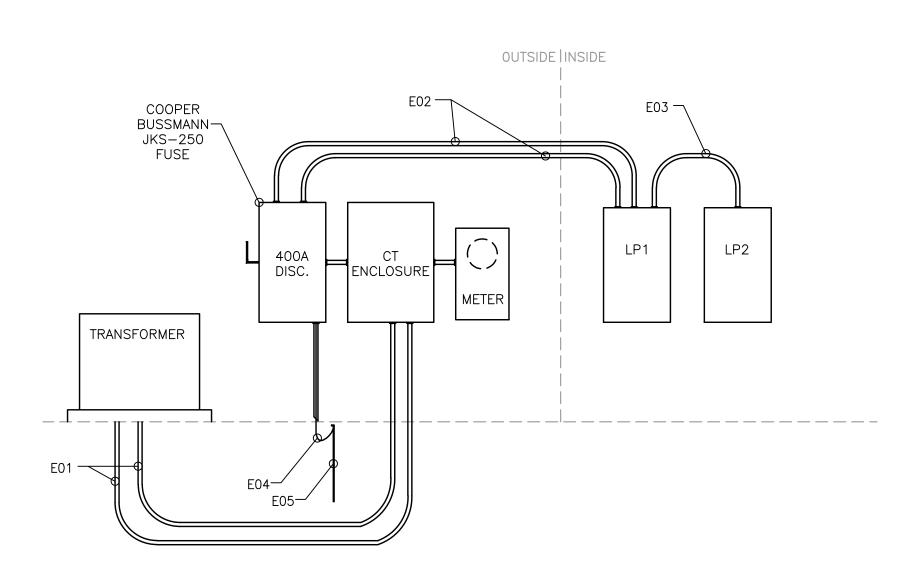
 18. WIRING DEVICES SHALL BE UL-LISTED, COMMERCIAL GRADE, AND RATED AT 20 AMPERES.

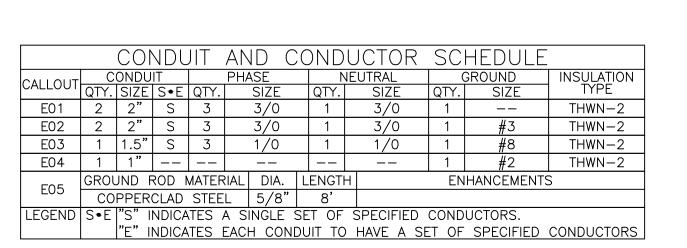
SYMBOL	SCHEDULE:
ф	20 AMP DUPLEX RECEPTACLE
	3 PHASE RECEPTACLE
 	20 AMP QUAD RECEPTACLE
•	20 AMP DUPLEX GROUND FAULT CIRCUIT INTERRUPTER. FOR OUTDOOR INSTALLATION, PLACE IN WATERPROOF HOUSING
머	DISCONNECT SWITCH. SEE RISER FOR FUSING (IF ANY)
	PANEL BOARD
	TIME SWITCH
A	DATA / TELEPHONE OUTLET
\odot	JUNCTION BOX: E.C. TO DETERMINE PHYSICAL SIZE
\$	SINGLE SWITCH
\$ ³	3 WAY SWITCH
	RECEPTACLE OUTLETS AT 18" A.F.F. EXCEPT AS NOTED STRINGS IN ALL CONDUITS. ALL CONDUITS MUST BE LABELED INSIDE JBOX WITH

NAME OF DESTINATION JBOX

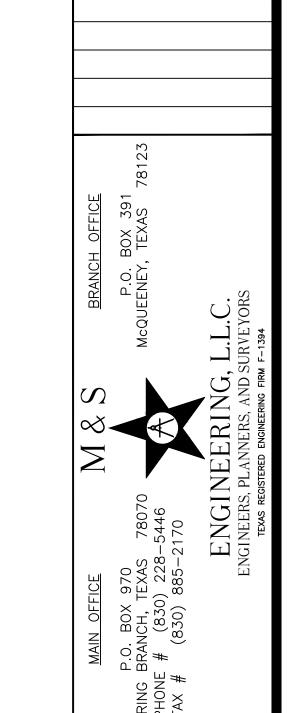
			LIGHTING F	TIXTURE SCHEDULE						
TYPE	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING	VOLTS	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	COLOR TEMP.
А	12	2X4 FLUORESCENT AFX SERIES	LUMAX LIGHTING	AFX33224-E09DFDF-RSWR	LAY-IN CEILING	120 V	3	32 W	96 W	3000 K
AE	4	2X4 FLUORESCENT AFX SERIES	LUMAX LIGHTING	AFX33224-E09DFDF-RSWR-EM1	LAY-IN CEILING	120 V	3	32 W	96 W	3000 K
В	21	4' 2 LAMP STANDARD STRIP	DAY-BRITE LIGHTING	T248-120-WIREGUARD	SURFACED OR SUSPENDED AS REQ'D.	120 V	2	38 W	76 W	K
С	13	FBD FLUORESCENT HIGH BAY	PHILIPS DAY-BRITE	FBD454HO-UNV-2/2-EB TBNGUARD-FBF/FBE CHAIN KITS	SUSPENDED FROM PURLIN/STRUT	120 V	4	54 W	240 W	K
D	23	LYTECASTER LED 5", ROUND LENSED, LOW PROFILE	PHILIPS LIGHTOLIER	1050LRN09D1-1050LRN0935 -1050LRNDLCDW	RECESSED IN CEILING	120 V	1	20 W	20 W	3000 K
F	1	20" DOME LIGHT	PHILIPS LIGHTOLIER	5543PB239U	FLUSH IN CEILING	120 V	2	36 W	65 W	K
G	2	VT SERIES VAPATRON LUMINAIRE	LUMAX LIGHTING	VT23248-E09SA-HUB	MOUNTED ON SIDE OF LUBE PIT	120 V	2	32 W	64 W	3500 K
JB	6	JUPITER GALILEO BASIC R SERIES	ECLIPSE LIGHTING	JUL1-263K120BZ	WALL MOUNTED	120 V	1	26 W	26 W	3000 K
EX	9	COMMERCIAL EXIT SIGN: WHITE CE-11400 WITH RED LETTERS LED	PHILIPS CHLORIDE	ER55LDT212/27WR	MOUNTED FROM CEILING	120 V		5 W	5 W	K
EM	4	EMERGENCY LIGHT: BRONZE CM-25100 PATRON SERIES	PHILIPS CHLORIDE	PDNBZ	WALL MOUNT ABOVE DOOR AT 8' A.F.F.	120 V	2	6 W	13 W	K
EM2	2	EMERGENCY LIGHT: WHITE CAX6 SERIES	PHILIPS CHLORIDE	CAX6	WALL MOUNT 9' A.F.F.	120 V	2	6 W	13 W	K
ЕМ3	7	EMERGENCY LIGHT: THERMOPLASTIC EMERGENCY UNIT	PHILIPS CHLORIDE	2N25WJ2122	I-BEAM MOUNTED © 9'-0" A.F.F.	120 V	2	12 W	14 W	K
WP-1	8	WLM-MEDIUM WALL LIGHT	PHILIPS STONCO	NPM175MAL	WALL MOUNTED JBOX @ 16'-6"	120 V	1	175 W	175 W	к











REVISIONS:



ADALUPE COUNTY LUBE CENTER SEGUIN, TEXAS

JOB: 2513GUADC.001

DATE: MAY 2014

SCALE: AS NOTED

ENG BY: B. MEUTH
CHK BY: T. SIMS
DWN BY: C. LEMAIRE

NOTES:

SHEET:

E7

1. General Lighting							
Office	3,050	sq. ft	3.50	VA	125%	13,343.75	VA
Garage	7,245	sq. ft	0.50	VA	125%	4,528.13	VA
Wall Packs	Total	=	1,556.00	VA	125%	1,945.00	VA
Sign	Total	=	1,200,00	VA	125%	1,500.00	VA
2. Receptacle Load	68	×	180.00	VA	100%	12,240.00	VA
3. HVAC Load	Total	=	39,187,20	VA	100%	39,187.20	VA
4. Equipment	Total	Б	34,762.45	VA	100%	34,762.45	VA
				Total Loa	d	107,506.53	VA
			hill	Voltage	PH		
			V 1	208	3.00	298.41	Amp

VOLTAGE:	208/120			PANEL	NAME:		Li	21		MOUNT:	SURFACE
PHASE:		j t		MINIMUM F	'ANEL RATIN	1 <i>G</i>	400	Α	1	NEMA STYLE:	1
WIRE: 4		1 1	MAINS TYPE				350	M.L.O.		BUS MATERIAL:	: COPPER
				MINIMUM 9	CCR			kAIC			
CIRCUIT	DESCRIPTION	BRKR,		A		3		C	BRKR.	DESCRIPTION	CIRCUIT
1	WATER HEATER & CIRCULATING PLMP	20	36 <i>0</i>	2904							2
3					4080	2904			30	AIR COMPRESSOR	4
5	WELDER	45					4080	2904			6
7			4080	720					20	SIDE GFCI RECEPTACLES	8
9	STORAGE, BAY1. BAY2, TIRE RECEPTACLES	20			900	1080			20	REAR GFCI RECEPTACLES	10
11	FRONT GFCI RECEPTACLES	20					126 <i>0</i>	624	20	IR HEATERS	12
13	HIGH BAYS IN SHOP	20	1224	360					20	SHOP RR & ELEC ROOM	14
15	HIGH BAYS IN SHOP	20			1080	156	1		20	DECORATIVE LIGHT BY EXTERIOR DOORS	16
17	STORAGE LIGHTS 1ST FLOOR	20					608	180	20	RECEPTACLE IN LUBE PIT	18
19	STORAGE LIGHTS 2ND FLOOR	20	76 <i>0</i>	540]				20	STORAGE MEZZANINE RECEPTACLES	20
21	RESTROOM, ELEC ROOM LIGHTS	20			116	180			20	RECESTACLE IN LUBE SIT	22
23	HIGH BAYS IN TIRE STORAGE	20					648	1400	20	WALL PACKS	24
25			1200	360	1			•	20	AC SERVICE RECEPTACLES	26
27	AIR HANDLER 2	15		•	1200	1080			20	STORAGE, BAY1, BAY2, TIRE RECEPTACLES	28
29							1200	180	20	H-2	30
31		ĺ	4920							PREPARED SPACE	32
33	CU-2	50			4920	1380			20	FURNACE-1	34
35					•	•	4920			PREPARED SPACE	36
37			2616	8460				•			38
39	CL-1	3 5		•	2616	5634			100	LP2	40
41						•	2616	6840	1		42
	POLI	E TOTAL	28	504	273	326	274	160	POLE TO	OTAL .	
	NOTES:				TOTAL	. LOAD	1			NOTES:	
					78130					HOTES.	
	PREFLECTS THAT CONDENSING UNITS AND E					KYA					
HEAT (IF	PRESENT) WILL NEVER BE ON SIMULTANEOL	JSLY				AMP5					

YOLTAGE:	208/120				NAME:		Li	2		MOUNT:	SURFACE
PHASE:	3			MINIMUM F	PANEL RATIN	NG	100	Α		NEMA STYLE:	1
WIRE: 4			MAINS TYPE			100 M.L.O.			BUS MATERIAL: C		
				MINIMUM 6	3CCR		10	kAIC			
CIRCUIT	DESCRIPTION	BRKR.		A		В		С	BRKR.	DESCRIPTION	CIRCUIT
1	TRAINING ROOM WEST/NORTH WALL RECEST	20	1260	900					20	TRAINING ROOM EAST/SOUTH WALL RECEPT.	2
3	PROJECTOR & SCREEN IN TRAINING ROOM	20			180	360	1		20	BREAKROOM SOUTH RECEPTACLES	4
5	STORAGE ROOM RECEPTACLES	20				•	360	540	20	RESTROOMS RECEPTACLES	6
7	LOBBY RECEPTACLES	20	540]				20	SPARE	8
9	LOBBY RECEPTACLES	20			540	720	1		20	OFFICE RECEPTACLES	10
11	AV CLOSET RECEPTACLES	20					540	1200	20	VENDING MACHINE.	12
13	VENDING MACHINE	20	1200	360]			•	20	BREAKROOM NORTH RECEPTACLES	14
15	MICROWAVE	20		•	1200	100	1		20	VENT HOOD	16
17	24 CT (O) (T)	1.0				•	3000	1200	20	DISHWASHER	18
19	RANGE/OVEN	40	3000	1200]				20	REFRIGERATOR	20
21	LOBBY, RESTROOM, OFFICE LIGHTS	20			645	1152	1		20	TRAINING ROOM LIGHTS	22
23	SPARE	20							20	SPARE	24
25	SPARE	20]			•	20	SPARE	26
27	STORAGE/AV CLOSET/BREAKROOM LIGHTS	20			536	201]		20	EMERGENCY LIGHTS	28
29	SPARE	20				•				PREPARED SPACE	30
31	PREPARED SPACE									PREPARED SPACE	3 2
33	PREPARED SPACE]			PREPARED SPACE	34
3 5	PREPARED SPACE					•				PREPARED SPACE	36
37	PREPARED SPACE				<u> </u>					PREPARED SPACE	38
39	PREPARED SPACE]			PREPARED SPACE	40
41	PREPARED SPACE									PREPARED SPACE	42
	POLE	E TOTAL	84	160	56	634	68	340	POLE T	OTAL .	
	NOTES:				TOTAL	LOAD	1			NOTES:	
					20934	VA	1				
					20.9	KVA	1				
					58	AMPS	1				

P.O. BOX 391
SQUEENEY, TEXAS 78123
S.C.
EYORS

8070 McQUEENE P.O McQUEENE O MCQU

P.O. BOX 970 SPRING BRANCH, TEXAS 78070 PHONE # (830) 228-5446 FAX # (830) 885-2170



GUADALUPE COUNTY LUBE CENTER SEGUIN, TEXAS

PANEL SCHEDULE

JOB: 2513GUADC.001

DATE: MAY 2014

SCALE: AS NOTED

ENG BY: B. MEUTH

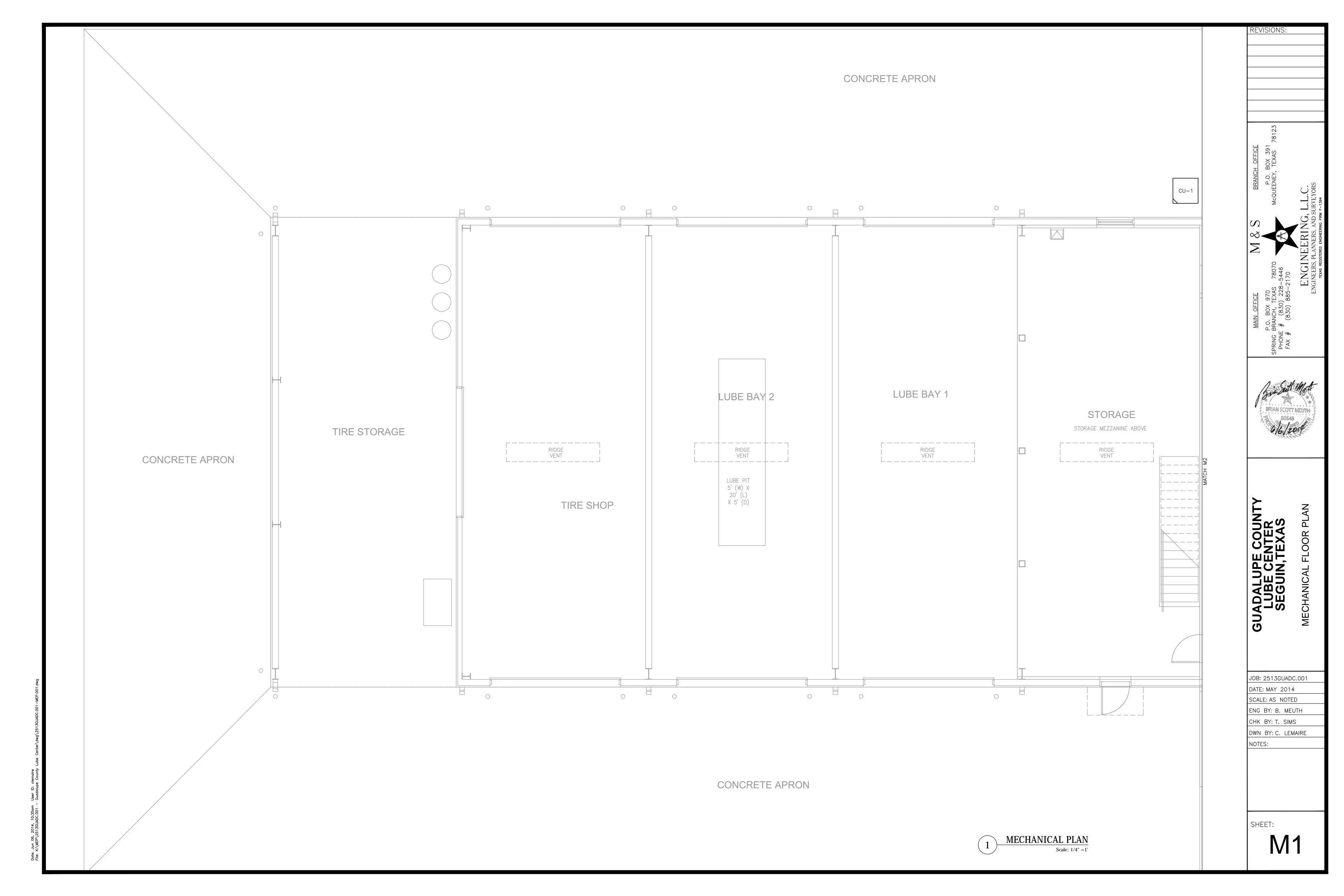
CHK BY: T. SIMS

DWN BY: C. LEMAIRE

SHEET:

NOTES:

E8



- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2009 INTERNATIONAL MECHANICAL CODE (IMC), SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) STANDARDS, AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE) STANDARDS,
- APPLICABLE BUILDING CODES, LOCAL AMENDMENTS, AND O.S.H.A LATEST EDITIONS.

 2. ALL DUCTWORK TO BE SEALED WITH APPROVED UL—181 TAPES AND MASTICS. ALL DUCT BOARD TO BE
- CERTAINTEED TOUGHGARD TYPE 800 1.5 INCHES THICK R-6.5 OR EQUAL.

 3. ALL FLEX DUCT TO BE THERMA FLEX M-KE WITH R-6 INSULATION OR APPROVED EQUAL. MAXIMUM LENGTH FOR ANY FLEX DUCT RUN IS 12 FEET.
- 4. ALL FINAL DUCT RUNS TO DIFFUSERS TO BE EQUIPPED WITH VOLUME DAMPERS.
- 5. CEILING DIFFUSERS TO BE EQUAL TO PRICE MODEL SCD. DEVICES SHALL BE STEEL SQUARE PANEL WITH HORIZONTAL AIR PATTERN. RETURN AIR GRILLES TO BE EQUAL TO PRICE MODEL 80.
- 6. PROVIDE DUCT SMOKE DETECTORS AS REQUIRED PER CODE FOR EACH SYSTEM. FIRE OR FIRE/SMOKE DAMPERS (WHERE REQUIRED) ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. PROVIDE AUTOMATIC SHUTDOWN UPON INITIATION OF THE FIRE ALARM SYSTEM.
- 7. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. INSULATE SUCTION LINES WITH MINIMUM 1 INCH THICK TUBING INSULATION.
- 8. CONDENSATE DRAIN LINES LOCATED IN ANY UNCONDITIONED SPACE SHALL BE INSULATED WITH FOAM PLASTIC RUBBER BASED INSULATION OR OTHER APPROVED MATERIAL WITH A MINIMUM THICKNESS OF 3/4 INCH
- 9. CONDENSATE DRAIN LINES SHALL HAVE A MINIMUM SLOPE OF 1% (1/8 INCH PER FOOT).
 10. CONDENSATE DISPOSAL SHALL BE IN ACCORDANCE WITH LOCAL CODES. RUN CONDENSATE TO APPROVED
- LOCATION PER CODE.

 11. INSTALL A UNIT DISCONNECT AND 120V GFCI SERVICE OUTLET AT EACH AIR HANDLER AND CONDENSING
- UNIT PER CODE.

 12. EVERY OCCUPIED SPACE SHALL BE VENTILATED BY NATURAL MEANS IN ACCORDANCE WITH IMC SECTION 402 OR BY MECHANICAL MEANS IN ACCORDANCE WITH SECTION 403.
- 13. PROVIDE POWER TO EACH PIECE OF EQUIPMENT AND ADJUST THE ENTIRE SYSTEM TO ENSURE PROPER FUNCTION OF ALL CONTROLS, DISTRIBUTION OF AIR, MAINTENANCE OF TEMPERATURES, ELIMINATION OF DRAFTS AND VIBRATION. SYSTEM SHALL BE LEFT IN FIRST CLASS OPERATING CONDITION.
- 14. TESTING AND BALANCING (T&B) IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THE AIR SYSTEM SHALL BE ADJUSTED TO OBTAIN THE AIR VOLUMES SPECIFIED BY THE MECHANICAL ENGINEER, BUT READJUSTED IF REQUIRED TO OBTAIN DESIGN TEMPERATURE IN EACH ROOM. THE MECHANICAL CONTRACTOR SHALL MAKE DRIVE CHANGES, INSTALL ADDITIONAL DAMPERS, VANES, GRILLE BAFFLES, ETC., AS MAY BE REQUIRED. A COPY OF THE T&B REPORT SHALL BE PROVIDED TO THE ENGINEER AFTER THE T&B PROCEDURE HAS BEEN COMPLETED.

PROJECT NOTES

- 1. THERMOSTAT CONTROLS FOR HVAC SYSTEM TO BE LENNOX COSTATO2AE1L 2. CONTRACTOR TO COORDINATE THERMOSTAT PLACEMENTS WITH THE OWNER.
- 3. EXHAUST FAN DUCT TO BE SHEET METAL ROUND. PROVIDE END CAP WITH BIRD SCREEN.
 4. VENTILATION DUCT TO HAVE BUTTERFLY DAMPER AND BE TUNED TO INTAKE 140 CFM. PROVIDE END CAP
- AND BIRD SCREEN.
 5. AIR HANDLERS, ECONOMIZERS, COIL, AND DUCT HEATER TO BE PROPERLY SUPPORTED ACCORDING TO
- MANUFACTURER INSTRUCTIONS.

 6. FILTER BASE TO BE INSTALLED FOR 5-TON FURNACE (F-1).
- 7. CONCENTRIC FLUE AND COMBUSTION AIR PIPE THROUGH ROOF TO BE INSTALLED FOR F-1.
- 8. FLUE PIPE THROUGH ROOF TO BE INSTALLED FOR H-2.
- 9. COMMON CONDENSATE TO BE INSTALLED FROM F-1 AND C-1 AND TIED TO CONDENSATE FROM AHU-2.

 10. MECHANICAL DECK TO HAVE TWO 15"X15" (225 SQ. INCHES) LOUVERED OPENINGS IN THE WALL SHARED WITH THE STORAGE AREA. ONE SHALL BE WITHIN 12" OF THE ROOF PEAK. THE OTHER SHALL BE WITHIN 12" OF THE MECHANICAL DECK FLOOR. MECHANICAL DECK DOORS EQUIPPED WITH LOUVERS OF AT LEAST 225 SQ. INCHES TOTAL AREA AND WITHIN 12" OF THE FLOOR ARE ACCEPTABLE.

HVAC SYSTEM NARRATIVE

GENERAL SYSTEM SETUP

ALL SPACES OTHER THAN THE TRAINING ROOM MAKE UP ZONE 1. THE TRAINING ROOM IS ZONE 2.

ZONE 1 IS SERVED BY THE 5-TON SYSTEM, WHICH IS COMPRISED OF A 5-TON FURNACE (F-1), 5-TON CONDENSING UNIT (CU-1), ECONOMIZER (E-1), AND 5-TON COOLING COIL (C-1). F-1 SHALL BE SET TO DELIVER 1,600 CFM.

ZONE 2 IS SERVED BY THE 10-TON SYSTEM, WHICH IS COMPRISED OF A 10-TON AIR HANDLER (AHU-2), 10-TON CONDENSING UNIT (CU-2), ECONOMIZER (E-2), AND DUCT FURNACE (H-2). AHU-2 SHALL BE SET TO DELIVER 3,200 CFM. CU-2 SHALL BE STAGED TO MEET THE VARYING COOLING DEMANDS OF THE

OUTSIDE AIR

TRAINING ROOM.

- OUTSIDE AIR (OA) SHALL BE PROVIDED TO THE ZONES AT THE FOLLOWING RATES:
- ZONE 1 MINIMUM = 250 CFM; MAXIMUM = 250 CFM ZONE 2 MINIMUM = 100 CFM: MAXIMUM = 800 CFM
- FOR USE IN CONJUNCTION WITH DEMAND CONTROLLED VENTILATION, OUTSIDE AIR DAMPER MINIMUM AND
- MAXIMUM POSITIONS SHALL BE SET TO ACHIEVE THE ABOVE FLOW RATES.

 *EXCEPTION IN ECONOMIZER MODE, THE OA DAMPERS SHALL MODULATE TO 100% OPEN.

DEMAND CONTROLLED VENTILATION

DEMAND CONTROLLED VENTILATION (DCV) SHALL CONTROL THE AMOUNT OF OA INTRODUCED INTO ZONE 2. A CARBON DIOXIDE (CO2) SENSOR LOCATED WITHIN THE ZONE SHALL MONITOR CO2 LEVELS. AS THE CO2 CONCENTRATION WITHIN ZONE 2 FLUCTUATES BETWEEN 500 PARTS PER MILLION (PPM) AND 1,000 PPM, THE OA DAMPER FOR ZONE 2 SHALL MODULATE BETWEEN ITS MINIMUM AND MAXIMUM POSITION TO INTRODUCE VARYING LEVELS OF OA ACCORDING TO THE DEMAND FROM ZONE 2.

ECONOMIZER MODE

ECONOMIZER MODE SHALL TAKE PRIORITY OVER DCV.

WHEN IN COOLING MODE, DIFFERENTIAL ENTHALPY SENSORS SHALL CONTINUOUSLY COMPARE THE ENTHALPY OF THE OA TO THE ENTHALPY OF THE RETURN AIR (RA) FOR EACH SYSTEM. WHEN THE OA ENTHALPY IS LOWER THAN THE RA ENTHALPY, THE COMPRESSOR(S) SHALL SHUT DOWN, THE ECONOMIZER SHALL MODULATE ITS RA DAMPER 100% CLOSED AND MODULATE ITS OA DAMPER TO 100% OPEN TO ALLOW "FREE COOLING". GRAVITY DAMPERS ON THE RA DUCTWORK SHALL PROVIDE A RELIEF AIR PATH INTO THE MECHANICAL DECK SPACE.

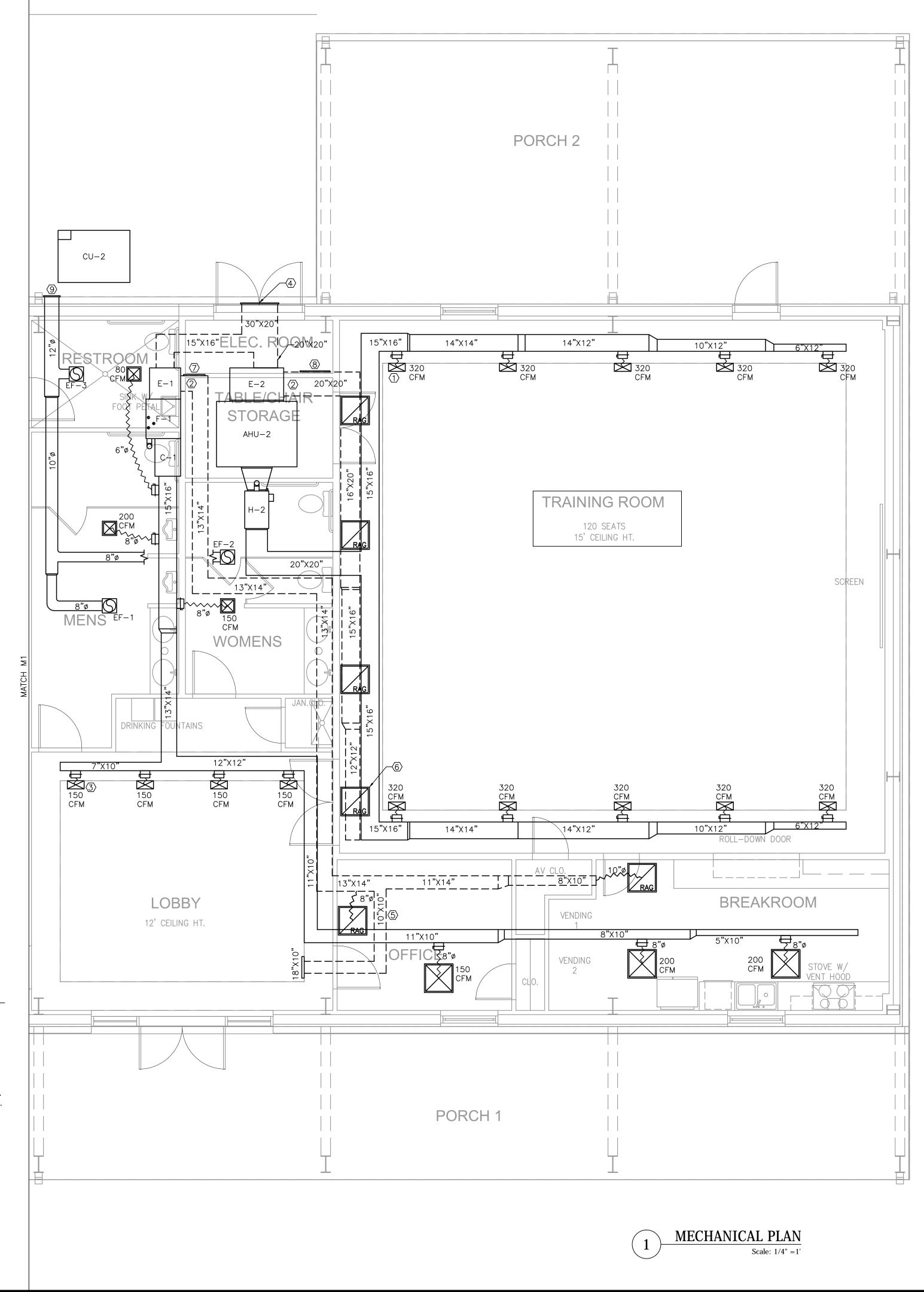
MECHANICAL LEG	SENU
MARK	DESCRIPTION
	SUPPLY AIR GRILLE TITUS TMSA OR PRICE SCD WITH VOLUME DAMPER
RAG	RETURN AIR GRILLE TITUS 50F, PRICE MODEL 80
	DUCT DAMPER
	EXHAUST VENT
ф	THERMOSTAT
	ALL SYMBOLS LISTED ABOVE ARE SHOWN ON PLANS. THE EGEND IS USED FOR REFERENCE OF SYMBOLS SHOWN ON

PLANS. SEE SPECIFICATIONS FOR INFORMATION RELATED TO SYMBOLS

KEYED NOTES

- 1. PRICE MODEL 510 GRILLE 14"X8" (TYP OF 10) MOUNTED 12'6" A.F.F. WITH
- 3. PRICE MODEL 510 GRILLE 10"X5" (TYP. OF 4) MOUNTED 11'-0" A.F.F. WITH 8"\">
 8"\">
 FLEX CONNECTION.
- 4. OUTSIDE AIR INTAKE GRILLE ENTERED ABOVE EXTERIOR DOOR 10' A.F.F..
 5. 10"X10" RETURN DUCT BELOW 12"X12" SUPPLY DUCT.
- 6. 24"X24" RAG 12"Ø FLEX BELOW RETURN AND SUPPLY DUCTS (TYP. OF 4).
- 7. 18"X10" GRAVITY DAMPER TO PROVIDE RELIEF AIR PATH IN ECONOMIZER MODE.

 8. 25"X16" GRAVITY DAMPER TO PROVIDE RELIEF AIR PATH IN ECONOMIZER MODE.
- 9. WALL CAP AND BIRD SCREEN ON EXHAUST DUCT OUTLET.



REVISIONS:

BRANCH OFFICE
P.O. BOX 391
IcQUEENEY, TEXAS 78123

78070 McC 5446 170 McC NGINFERING L.L.

P.O. BOX 970 SPRING BRANCH, TEXAS 78070 PHONE # (830) 228-5446 FAX # (830) 885-2170



LUBE CENTER SEGUIN, TEXAS

JOB: 2513GUADC.001

DATE: MAY 2014

SCALE: AS NOTED

ENG BY: B. MEUTH

CHK BY: T. SIMS

DWN BY: C. LEMAIRE NOTES:

SHEET:

M2

200 CFM 0.25 W.C. 115 1 60 48 0.1 HP

100 CFM 0.20 W.C. 115 | 1 | 60 | 53 | 0.1 HP

GREENHECK

GREENHECK

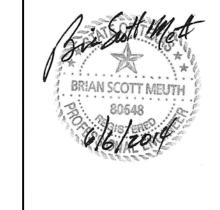
SP-A200

SP-A125

AXLE ROD \

REVISIONS:

PULL INSULATION TO DUCT & TAPE AIRTIGHT,



GUADALUPE COUNT LUBE CENTER SEGUIN,TEXAS

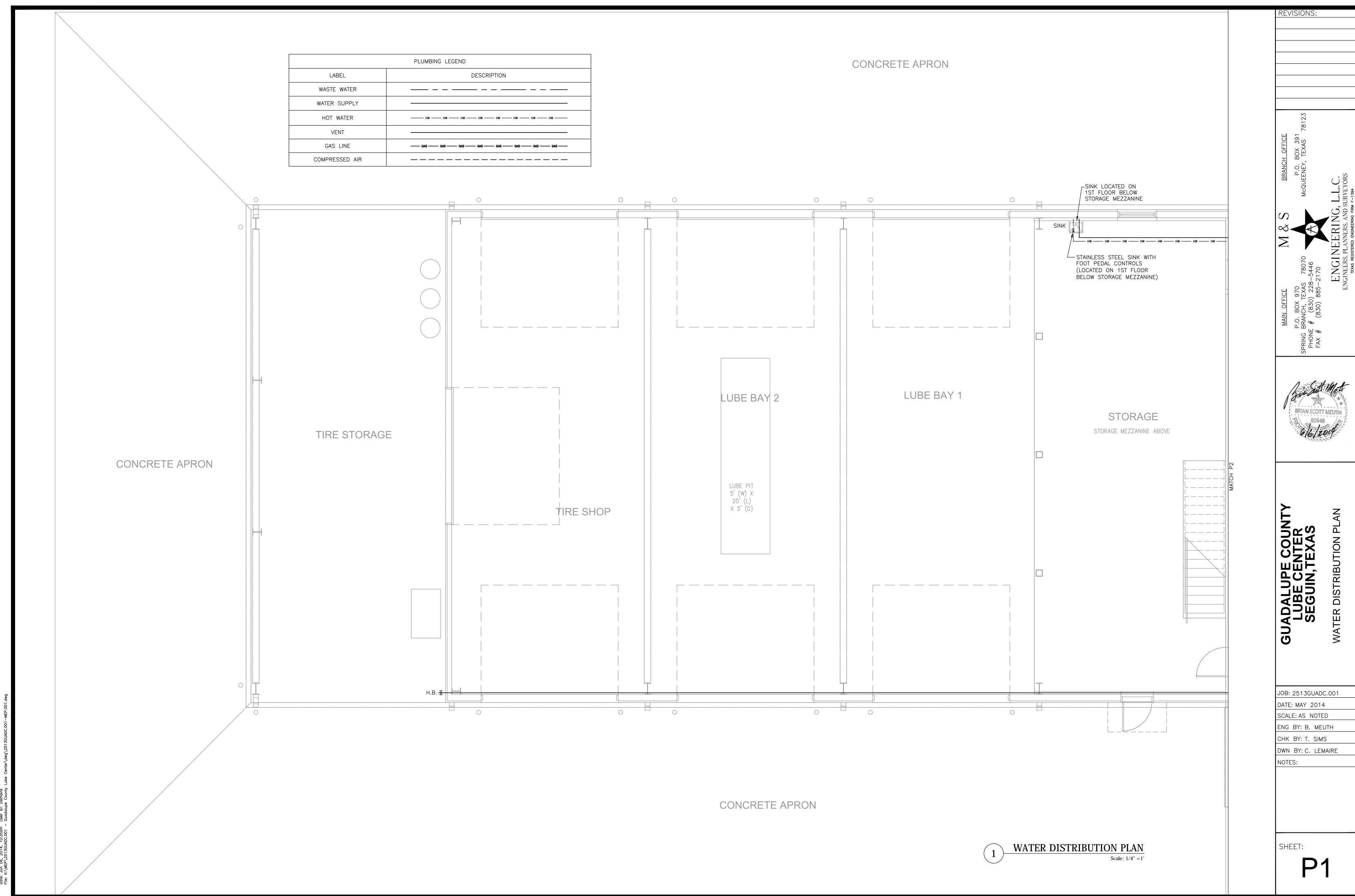
JOB: 2513GUADC.001 DATE: MAY 2014

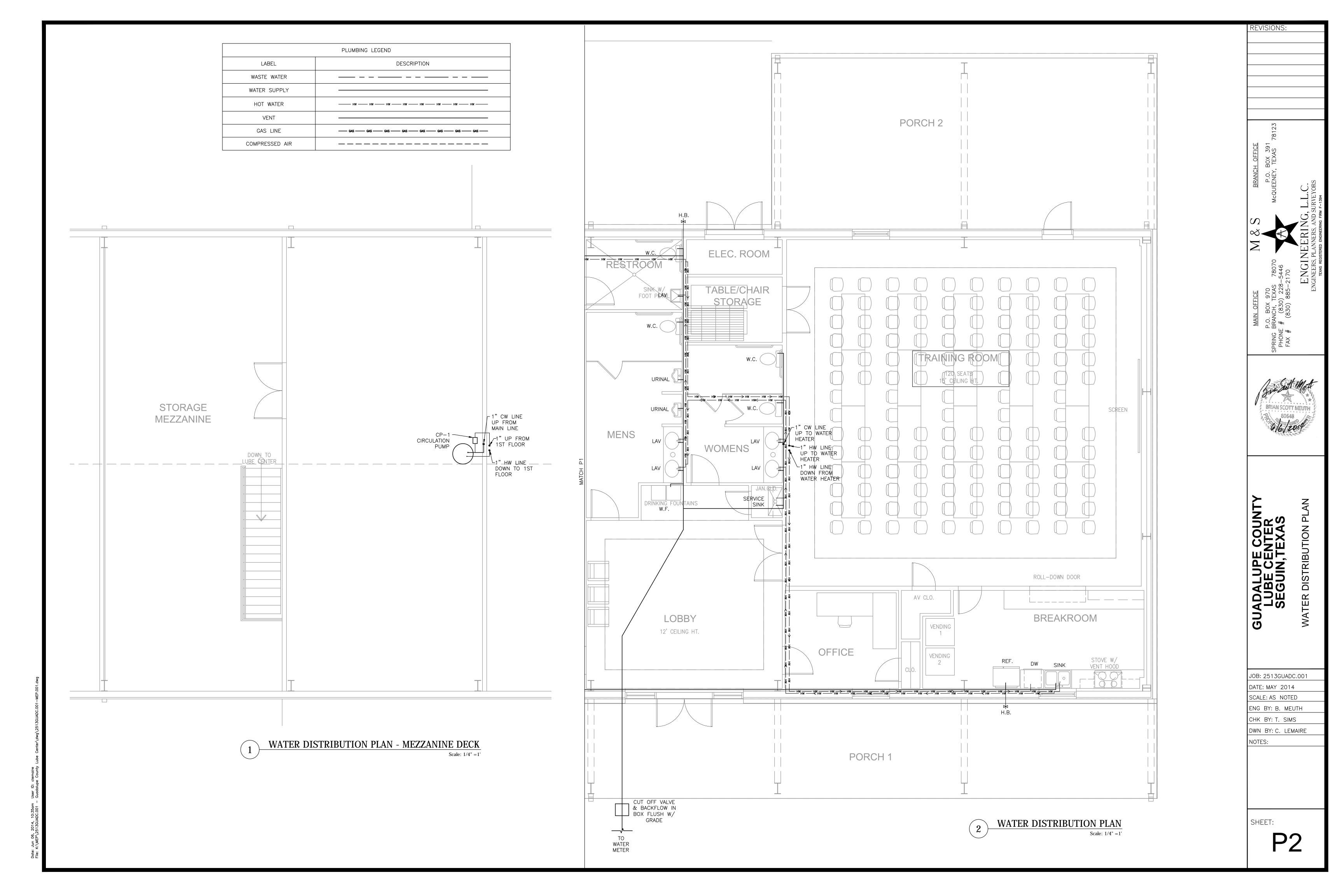
SCALE: AS NOTED ENG BY: B. MEUTH CHK BY: T. SIMS

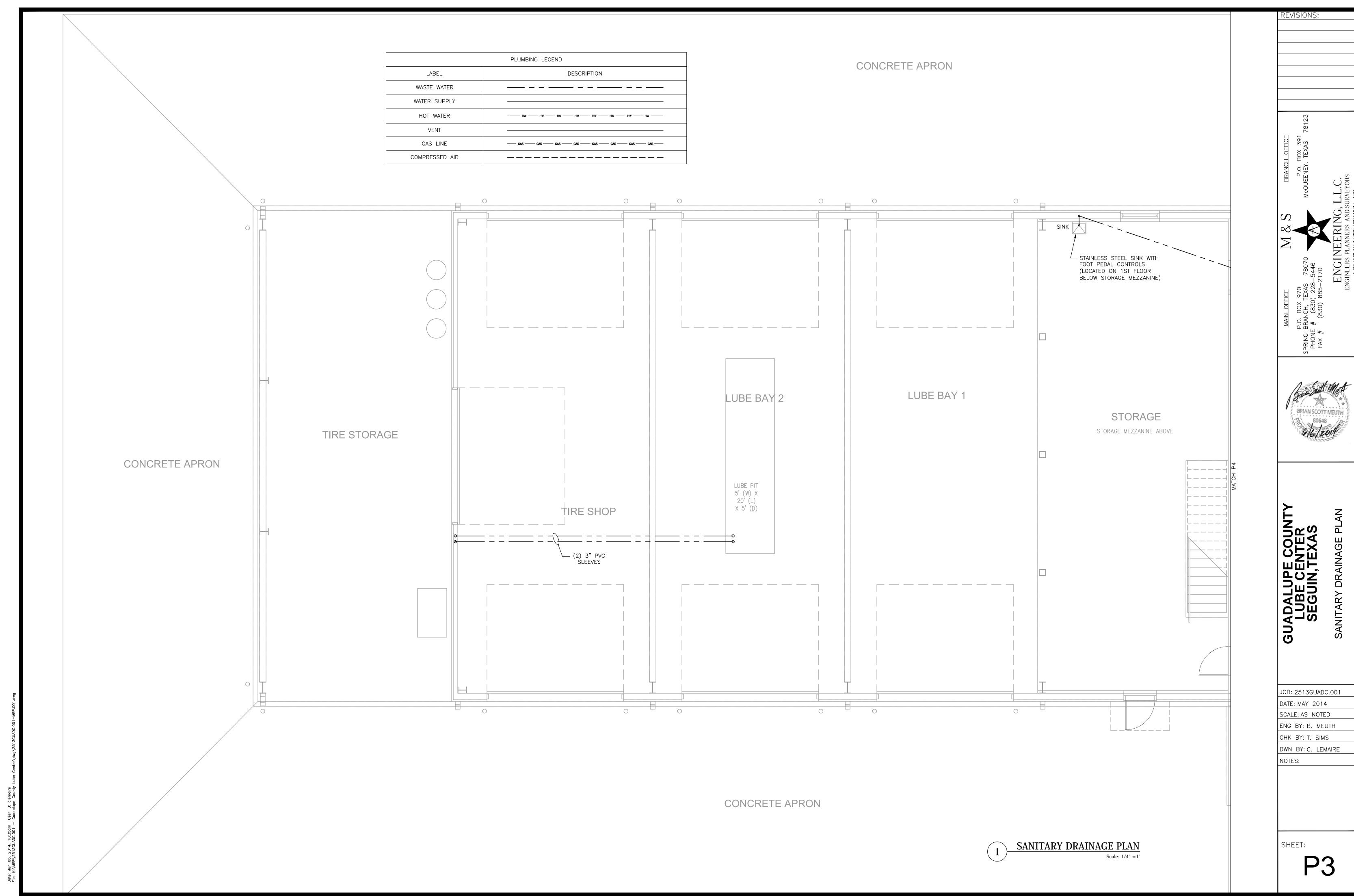
DWN BY: C. LEMAIRE

NOTES:

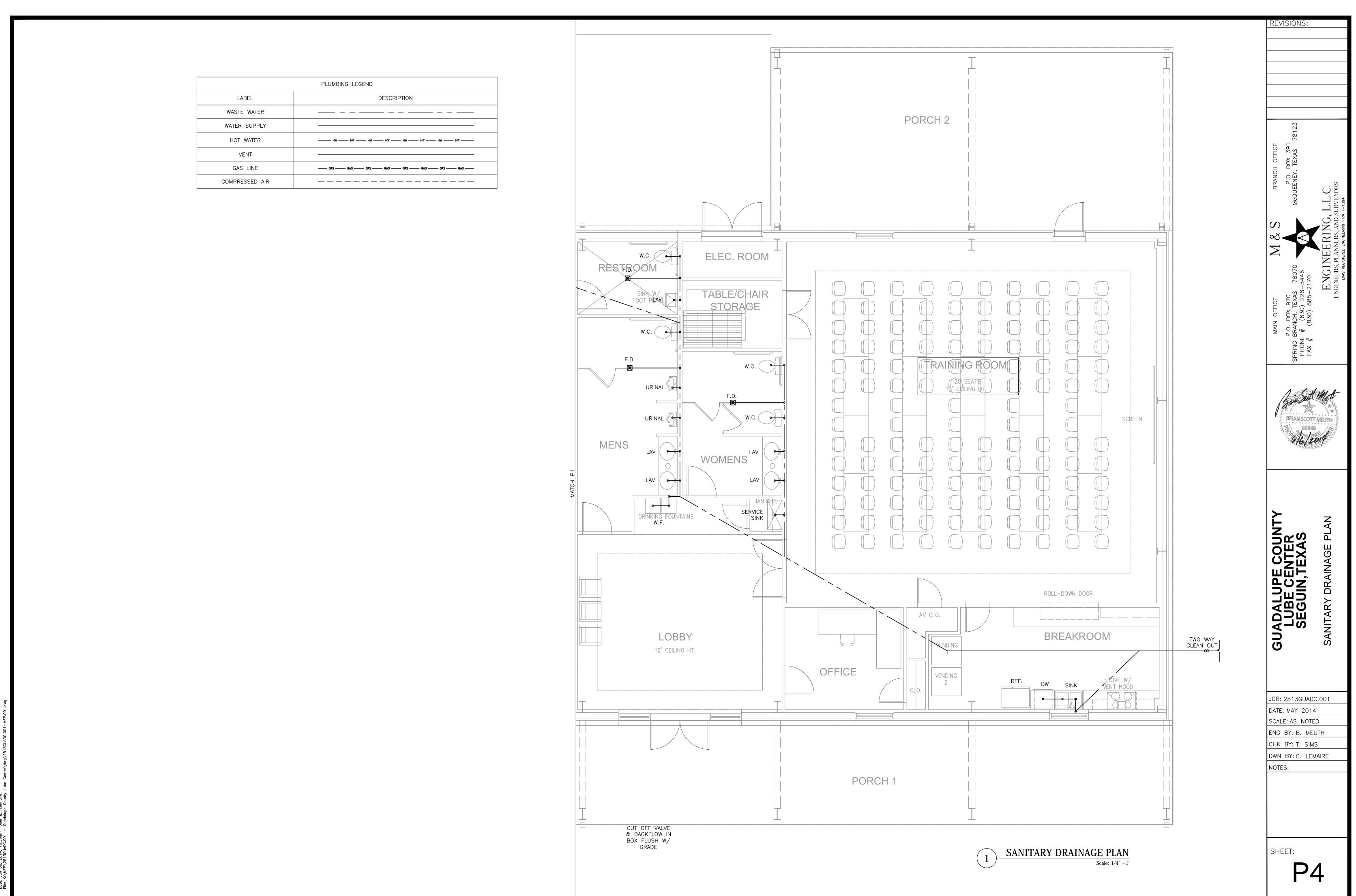
SHEET:

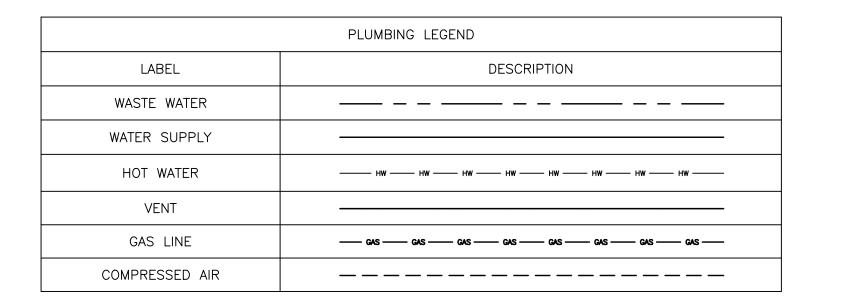


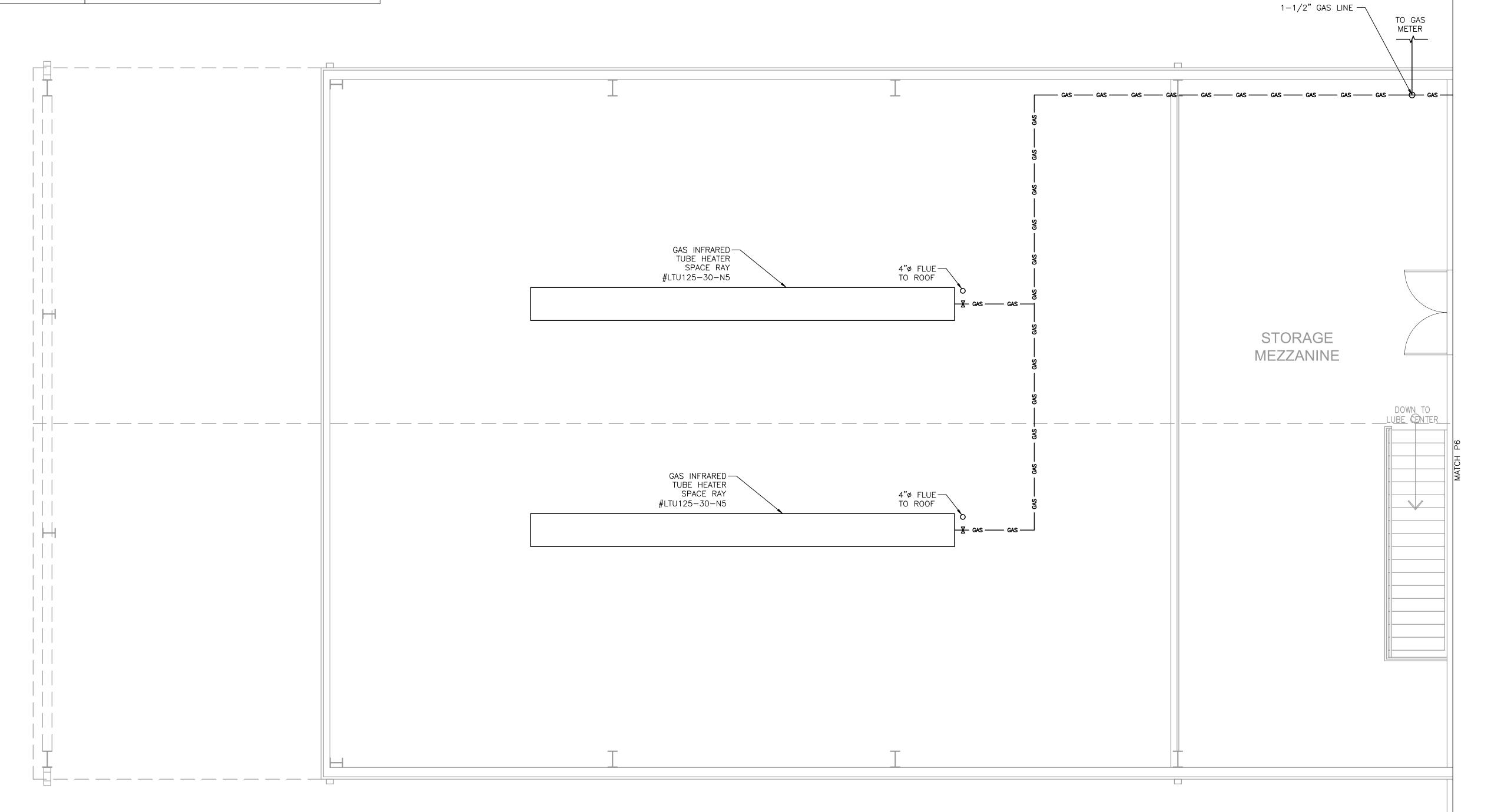












GAS DISTRIBUTION PLAN

Scale: 1/4" = 1'

D BRANCH OFFICE

P.O. BOX 391

AS 78070

AS 78

BRIAN SCOTT MEUTH

80648

GUADALUPE COUNTY
LUBE CENTER
SEGUIN, TEXAS
GAS DISTRIBUTION PLAN

JOB: 2513GUADC.001

DATE: MAY 2014

SCALE: AS NOTED

ENG BY: B. MEUTH

CHK BY: T. SIMS

DWN BY: C. LEMAIRE

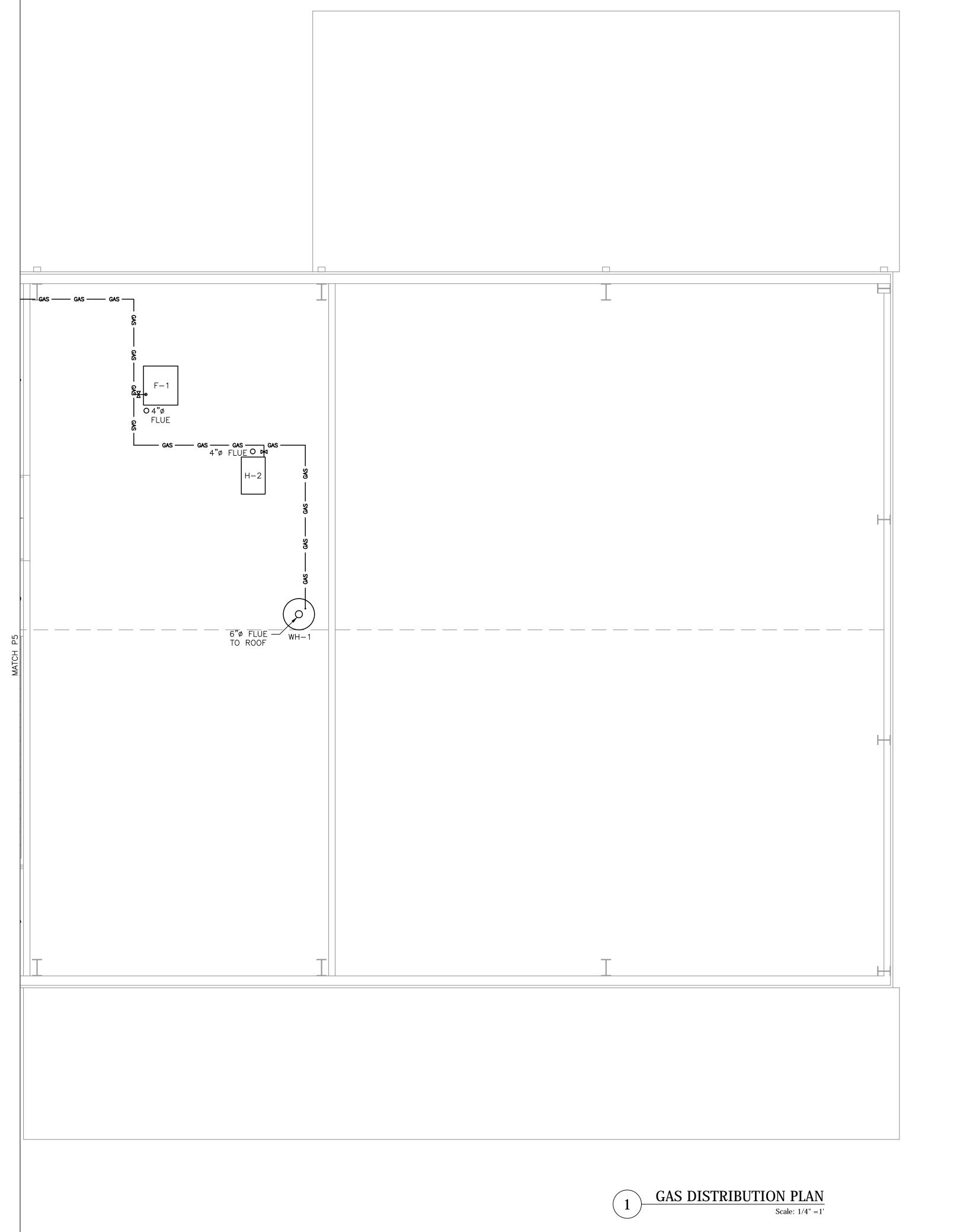
DWN BY: C. LEMAIRE
NOTES:

SHEET:

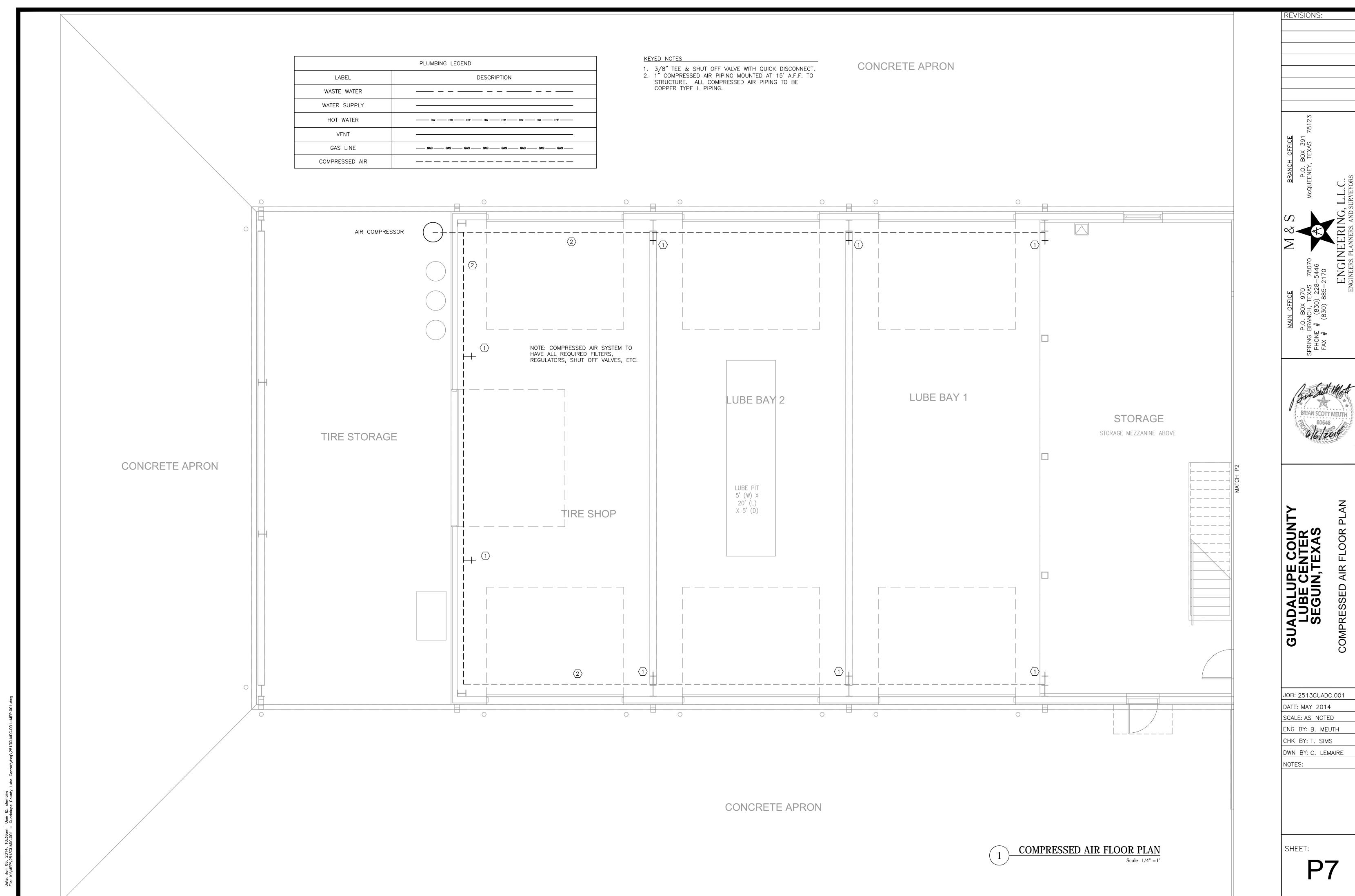
P5

Date: Jun 06, 2014, 10:36am User ID: clemaire File: K:\MEP\2513GUADC.001 — Guadalube County Lube Center\dwa\2513GUADC.001—MEP.001.

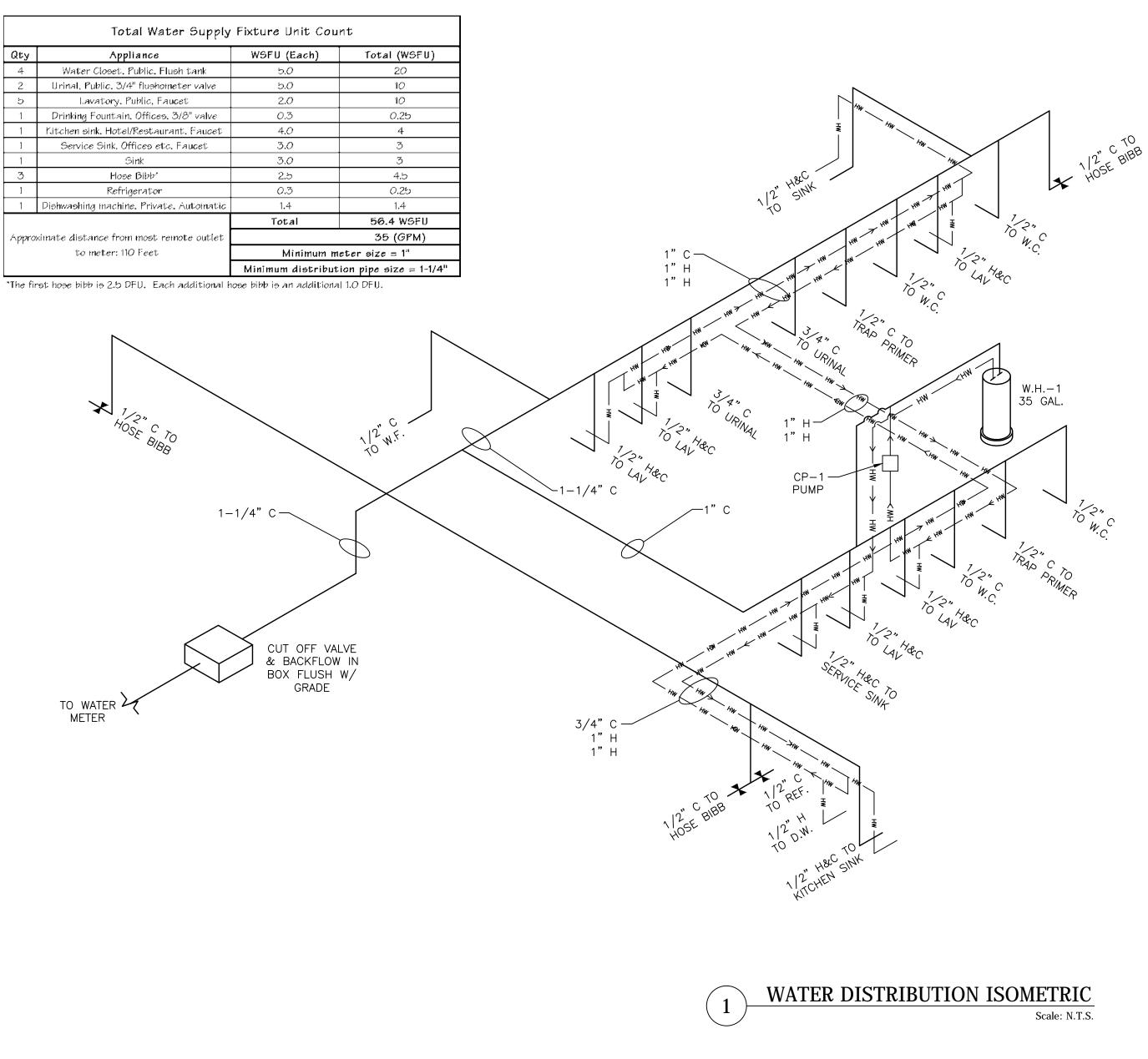
	PLUMBING LEGEND
LABEL	DESCRIPTION
WASTE WATER	
WATER SUPPLY	
HOT WATER	—— нw —— нw —— нw —— нw —— нw —— нw ——
VENT	
GAS LINE	—— GAS ——— GAS —————————————————————————
COMPRESSED AIR	



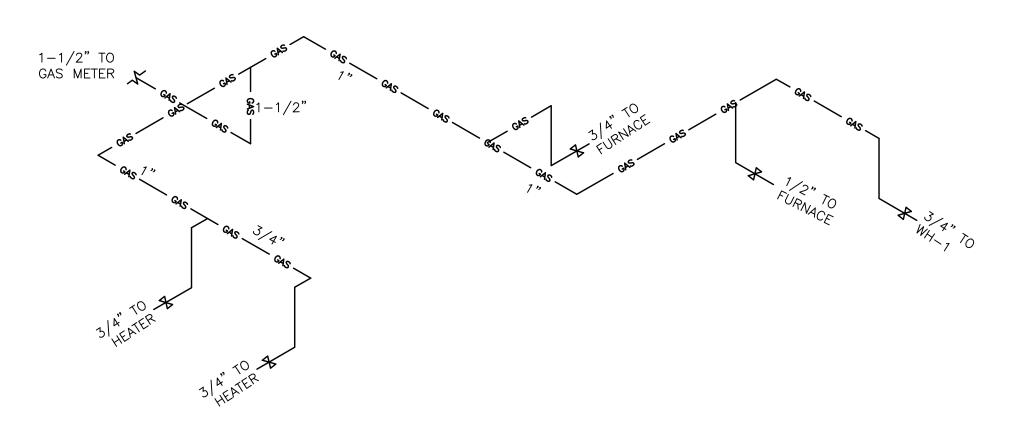
GUADALUPE COUNTY LUBE CENTER SEGUIN, TEXAS JOB: 2513GUADC.001 DATE: MAY 2014 SCALE: AS NOTED ENG BY: B. MEUTH CHK BY: T. SIMS DWN BY: C. LEMAIRE NOTES: SHEET: P6





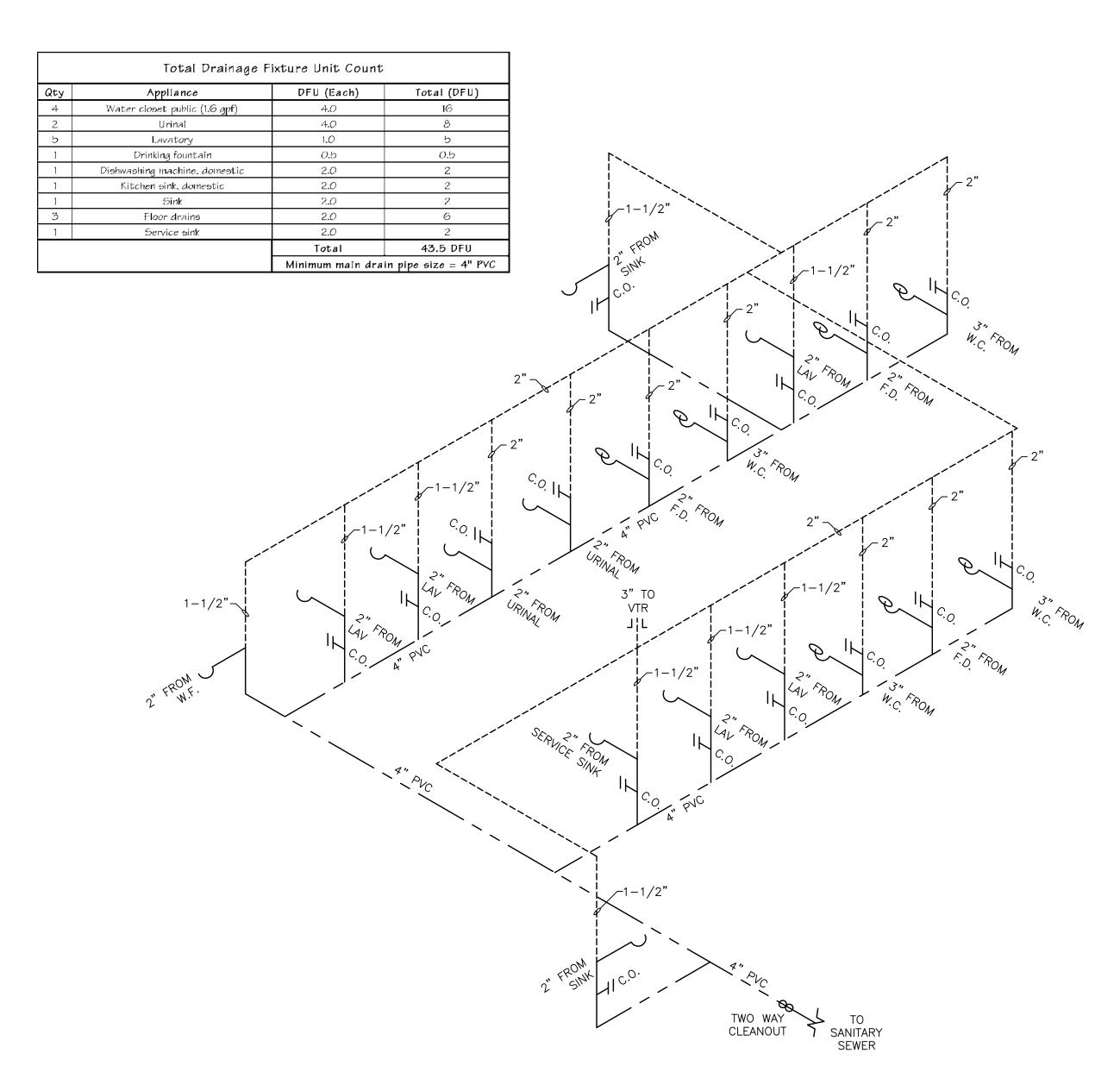


Qty	Appliance	Btu/hr (Each)	Total (Btu/hr)			
1	Furnace - I	125,000	125.000			
1	Furnace - 2	88,000	88,000			
2	IR Heater	125,000	250,000			
1	Water Heater	199,900	199,900			
		Total Btu/hr	662,900			
ipproximate	oximate Distance From most Remote Outlet Total Cubic to meter: 80 foot Feet of NG/hr					
Pipe desi	to meter: 80 foot gned for inlet pressure of 2.0 psi					

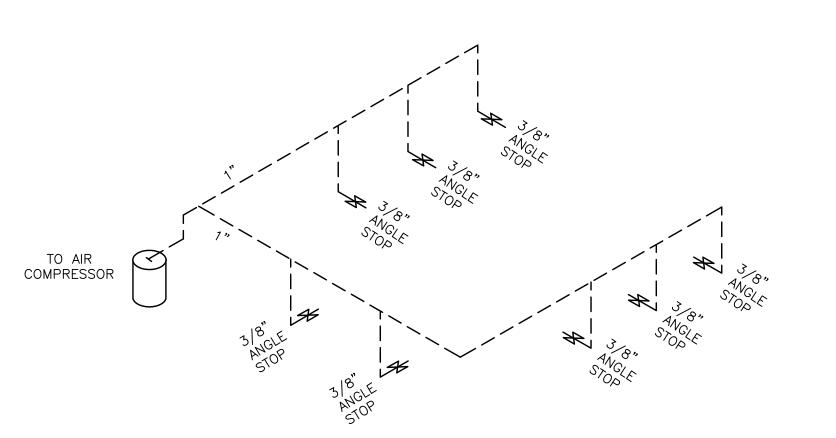


GAS DISTRIBUTION ISOMETRIC

Scale: N.T.S.



SANITARY DRAINAGE ISOMETRIC
Scale: N.T.S.



COMPRESSED AIR DISTRIBUTION ISOMETRIC

Scale: N.T.S.

GUADALUPE COUNTY LUBE CENTER SEGUIN, TEXAS

JOB: 2513GUADC.001 DATE: MAY 2014

SCALE: AS NOTED ENG BY: B. MEUTH

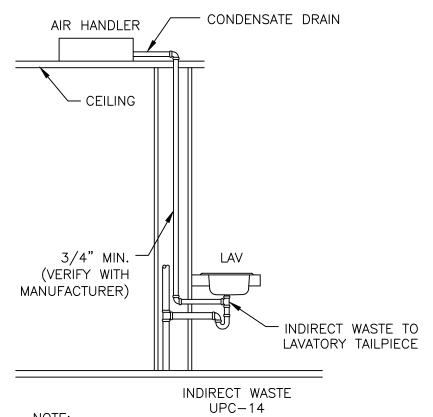
CHK BY: T. SIMS DWN BY: C. LEMAIRE

NOTES:

SHEET:

P8



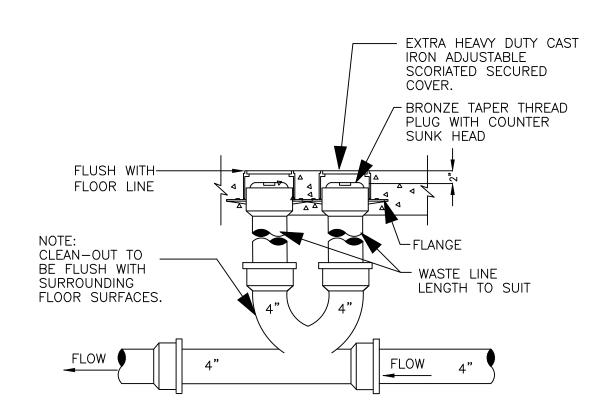


THE CONDENSATE FROM THE MINI SPLIT UNIT IS PERMITTED TO DISCHARGE INTO TAILPIECE OF A LAVATORY. THE MINI SPLIT UNIT & THE LAVATORY MUST BE UNDER THE SAME CONTROL. THE DISCHARGE TO THE LAVATORY STILL IS CONSIDERED AN INDIRECT WASTE BY MEANS OF AN AIR BREAK.

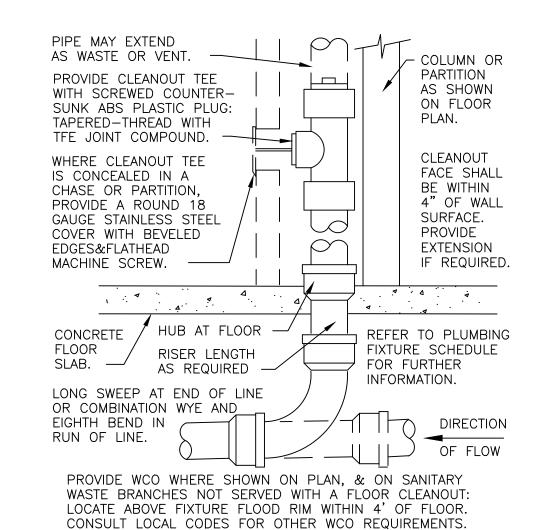


PLUMBING GENERAL NOTES:

- 1. ALL WORK TO MEET LOCAL AMENDMENTS, & 2009 INTERNATIONAL PLUMBING CODE. ALL WASTE WATER & VENTS TO BE PVC.
- 3. ALL WATER LINES TO BE COPPER OR AS APPROVED BY OWNER & LOCAL CODE. 4. CONTRACTOR TO OBTAIN ALL PERMITS & INSPECTIONS.
- INSTALL ALL FIXTURES & EQUIPMENT AS PER MANUFACTURER SPECS.
- WATER HEATER TO BE INSTALLED AS PER CODE.
- 7. PROVIDE HEAT TRAP & INSULATION AS PER IECC 8. PROVIDE WATER HAMMER ARRESTOR WHERE QUICK-CLOSING VALVES ARE UTILIZED AS PER IPC 604.9. KITCHEN SINK, ICE MACHINE, HAND SINK & ANY ADDITIONAL QUICK-CLOSING VALVE FIXTURES TO HAVE WATER HAMMER ARRESTOR.
- 9. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS. 10. INSTALL SHUTOFF VALVES AS PER CODE.
- 11. WHEN ACCESSIBLE OPENINGS ARE REQUIRED, THEY SHALL BE A MINIMUM OF 12 INCHES X 12 INCHES IN DIMENSION UNLESS OTHERWISE APPROVED BY THE CODE
- 12. PLUMBING FIXTURES INSTALLED ARE REQUIRED TO BE ON THE CURRENT EPA LIST OF WATERSENSE FIXTURES, WITH FLOW RATES AS PER THE IPC & LOCAL
- 13. ALL SANITARY WASTE & VENT PIPING SHALL BE SCHEDULE 40 PVC
- 14. ALL PLUMBING FIXTURES SHALL BE INSTALLED WITH APPROVED BACKFLOW PREVENTION DEVICES.
- 15. NO PIPING SHALL PASS DIRECTLY OVER ELECTRICAL POWER DISTRIBUTION CABINETS. CONTRACTOR TO COORDINATE PANEL LOCATIONS PRIOR TO PIPING INSTALLATION.
- 16. SINGLE RUN OUTS TO PLUMBING FIXTURES SHALL BE THE SAME SIZE AS ON THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE NOTED.
- 17. ALL DRAINS SHALL BE PROVIDED WITH P-TRAPS. 18. INSULATE ALL EXPOSED SUPPLY & DRAIN LINES.
- 19. ALL LAVS AND HAND SINKS TO HAVE MIXING VALVES SET AT 120°F. MIXING VALVES TO COMPLY WITH ASSE 1017 AND IPC SECTION 501



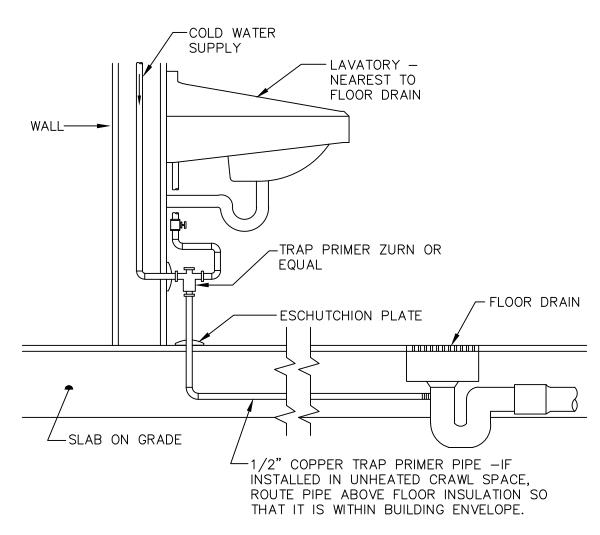
TWO WAY CLEANOUT Scale: N.T.S.





GENERAL FUEL GAS NOTES

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2009 INTERNATIONAL FUEL GAS CODE (IFGC) AND LOCAL AMENDMENTS.
- WHERE MEANS FOR ISOLATION OF VIBRATION OF AN APPLIANCE IS INSTALLED, AN APPROVED MEANS FOR SUPPORT AND RESTRAINT OF THAT APPLIANCE SHALL BE PROVIDED AS PER IFGC SECTION 301.8.
- APPLIANCES AND SUPPORTS THAT ARE EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURE DETERMINED IN IFGC SECTION 301.10.
- 4. EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF LISTING, THE MANUFACTURER'S INSTRUCTIONS AND PER IFGC SECTION 305.1.
- 5. APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT DISABLING THE FUNCTION OF A FIRE-RESISTANCE-RATED ASSEMBLY OR REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE
- APPLIANCE BEING INSPECTED, SERVICED, REPAIRED OR REPLACED AS PER IFGC SECTION 306.1. 6. STEEL AND WROUGHT-IRON PIPE SHALL BE AT LEAST OF STANDARD WEIGHT (SCHEDULE 40) AS PER SECTION 403.4.2 OF THE IFGC AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASME
- B36.10, 10M; ASTM A 53/A53M; OR ASTM A 106. 7. PIPE DESIGNED ACCORDING TO TABLE 402.4(3) IN THE 2012 IFGC. ASSUMING AN INLET PRESSURE OF
- 2.0 PSI. ALL PIPE SHALL BE PAINTED YELLOW. 8. ALL MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE STANDARDS UNDER WHICH THE
- MATERIALS ARE ACCEPTED AND APPROVED AS PER IFGC SECTION 404.1.
- 9. SHUTOFF VALVES SHALL BE LOCATED IN PLACES SO AS TO PROVIDE ACCESS FOR OPERATION AND SHALL BE INSTALLED SO AS TO BE PROTECTED FROM DAMAGE AS PER IFGC SECTION 409.1.3. 10. IN MULTIPLE TENANT BUILDINGS, WHERE A COMMON PIPING SYSTEM IS INSTALLED TO SUPPLY OTHER
- THAN ONE AND TWO-FAMILY DWELLINGS, SHUTOFF VALVES SHALL BE PROVIDED FOR EACH TENANT. EACH TENANT SHALL HAVE ACCESS TO THE SHUTOFF VALVE SERVING THAT TENANT'S SPACE AS PER IFGC SECTION 409.3.1.
- 11. A LISTED SHUTOFF VALVE SHALL BE INSTALLED IMMEDIATELY AHEAD OF EACH MEDIUM PRESSURE
- REGULATOR AS PER IFGC SECTION 409.4.
- 12. EACH APPLIANCE SHALL BE PROVIDED WITH A SHUTOFF VALVE AS PER IFGC SECTION 409.5. 13. A LINE PRESSURE REGULATOR SHALL BE INSTALLED WHERE THE APPLIANCE IS DESIGNED TO OPERATE AT A LOWER PRESSURE THAN THE SUPPLY PRESSURE. LINE GAS PRESSURE REGULATORS SHALL BE LISTED AS COMPLYING WITH ANSI Z21.80. ACCESS SHALL BE PROVIDED TO PRESSURE REGULATORS AND SHALL BE PROTECTED FROM PHYSICAL DAMAGE. REGULATORS INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE APPROVED FOR OUTDOOR INSTALLATION AS PER IFGC SECTION 410.1.





WATER HEATER SCHEDULE								
CALLOUT	MANUFACTURER	MODEL NUMBER	CAPACITY GAS DEMAND		ELECTRICAL VOLT \$\phi\$ HZ		WATT	
WH-1	RHEEM-RUUD	G37-200	35 GAL	199,900 BTUH	120	1	60	
CP-1	TACO	009-SF5 W/ 1" CONN.			120	1	60	168

PLUMBING SPECIFICATIONS

- 1. TRAP PRIMER
- 1.1. ZURN Z1022 1.1.1. TRAP PRIMER TO BE SANI-GARD AUTOMATIC TRAP PRIMER, ALL BRONZE BODY WITH INTEGRAL VACUUM BREAKER, NON-LIMING INTERNAL OPERATING ASSEMBLY WITH, GASKETED BRONZE COVER.
- 2. FLOOR DRAIN 2.1. ZURN ZN415J
- 2.1.1. FLOOR DRAIN TO BE DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE J" POLISHED, NICKEL BRONZE RECTANGULAR, LIGHT-DUTY, HEEL-PROOF STRAINER. DRAINS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 412.
- 3. WALL CLEANOUT 3.1. ZURN Z1446 3.1.1. WALL CLEANOUT TO BE CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND
- ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. 4. ACCESS PANEL 4.1. ZURN Z1461
- 4.1.1. ACCESS PANEL TO BE SQUARE HINGED DURA-COATED CAST IRON SCORIATED SECURED ACCESS PANEL AND FRAME WITH ANCHOR LUGS. SET FLUSH WITH WALL OR FLOOR FOR LIGHT-DUTY APPLICATIONS. 5. MOP SINK BASIN 5.1. ZURN Z1996-24
- 5.1.1. MOP SERVICE BASIN TO BE 24 X 24 X 10 [610 X 610 X 254] MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER AND 3 [76] GASKETED OUTLET CONNECTION. CERTIFICATIONS: MEETS ANSI Z124.6, CSA LISTED, AND IAPMO LISTED UNDER FILE # 3561. SINKS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 418. 6. MOP SINK FAUCET
- 6.1. ZURN Z1996-SF 6.1.1. SERVICE SINK FAUCET — CHROME PLATED SERVICE FAUCET, COMPLETE WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK, FOUR-ARM HOT AND COLD HANDLES AND 3/4 [19] HOSE THREAD ON SPOUT. WATER INLETS ARE FOR 1/2 [13] PIPE AND ARE ECCENTRIC ON AN 8 [203] CENTERLINE. DWG. NO. 58519 PRODUCT NO. Z1996-SF NOTE: CONFORMS TO:
- ASME A112.18.1-2005/CSA B125.1-2005. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 424. 7. P-TRAPS 7.1. ZURN Z8700-PC TO Z8708-PC
- 7.1.1. P-TRAPS TO BE CHROME-PLATED CAST BRASS (COPPER ALLOY) BODY P-TRAP WITH CLEANOUT, TUBULAR BRASS WALL BEND AS SPECIFIED, DIE-CAST NUTS, AND SHALLOW ESCUTCHEON WITH COMPRESSION INLET. 8. W.C. TOILET
- 8.1. AMERICAN STANDARD 2333.100 8.1.1. ADA COMPLIANT, CADET PRESSURE-ASSISTED TOILET WITH OPEN FRONT SEAT LESS COVER. WATER CLOSETS TO COMPLY WITH
- INTERNATIONAL PLUMBING CODE SECTION 420. LAVATORY 9.1. AMERICAN STANDARD LAVATORY 9.1.1. LAVATORY THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS
- AND FACILITIES-CHECK LOCAL CODES. LAVATORIES TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 416. 10. LAVATORY FAUCETS 10.1. AMERICAN STANDARD LAVATORY FAUCET
- 10.1.1. FAUCET THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 424.
- 11.1. AMERICAN STANDARD SINK 11.1.1. SINK THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES-CHECK LOCAL CODES. SINKS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 418. 12. SINK FAUCETS
- 12.1. AMERICAN STANDARD FAUCET 12.1.1. FAUCET THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 424. 13. SINK WITH FOOT PEDALS
- 13.1. ELKAY EWS3120FC W/ EWS3120 13.1.1. SINK THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES-CHECK LOCAL CODES. SINKS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 418.
- 14. ALL MATERIALS TO BE AS LISTED OR EQUALLY RATED. 15. ALL OTHER MATERIALS TO COMPLY WITH THE INTERNATIONAL PLUMBING CODE AND APPLICABLE BUILDING CODES



POZ DALUI UBE (

JOB: 2513GUADC.001

DATE: MAY 2014 SCALE: AS NOTED

C

ENG BY: B. MEUTH CHK BY: T. SIMS

DWN BY: C. LEMAIRE

SHEET: