1. THE CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BIDDING. VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATIONS OR ORDERING OF ANY ITEMS. VERIFY ALL WORK TO BE DONE WITH THE OWNER PRIOR TO CONSTRUCTION. VERIFY WHICH ITEMS, FIXTURES, OR APPLIANCES SHALL BE SUPPLIED OR RE-USED BY THE OWNER AND THE EXACT LOCATION OF SAID ITEMS.

2. THE CONTRACTOR SHALL TAKE CARE DURING DEMOLITION AND CONSTRUCTION NOT TO DAMAGE ANY EXISTING CONSTRUCTION AND PLANTING WHICH IS TO REMAIN. ANY DAMAGE OF EXISTING CONDITIONS SHALL BE REPLACED AT NO COST TO OWNER.

3. ALL MATERIALS TO BE REMOVED SHALL BE DISPOSED OF AT AN APPROPRIATE LOCATION AWAY FROM THE SITE.

4. ALL WORK SHALL BE PERFORMED SO THAT THERE SHALL BE MINIMUM INTERFERENCE WITH OTHER TENANTS AND NEIGHBORS.

5. PROVIDE ALL NECESSARY TEMPORARY SUPPORTS, SHORING AND BRACING REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE MAINTAINING STRUCTURAL INTEGRITY AT ALL TIMES.

6. PATCH ALL FLOORS, WALLS, AND CEILINGS AS REQUIRED IN ALL AREAS WHERE REMODELING IS OCCURRING. MATCH EXISTING FINISH MATERIALS, TEXTURES, AND FINISHES UNLESS OTHERWISE NOTED.

7. NEW WALLS, CEILINGS, FLOORS INTERSECTING EXISTING WALLS, CEILINGS, AND FLOORS SHALL BE FLUSH, CLEAN AND LEVEL. ALL TIE-INS SHALL BE ADEQUATELY SECURE FOR STRUCTURAL INTEGRITY AND SAFETY.

8. ANY GLAZING REPLACED FOR RECONSTRUCTION OR TENANT IMPROVEMENTS LOCATED WITHIN 24" OF DOORS OR WITHIN 18" OF FLOOR SHALL BE TEMPERED GLAZING.

9. CLEAN UP AND REMOVE FROM SITE ALL DEBRIS AND WASTE MATERIALS CREATED BY DEMOLITION AND CONSTRUCTION.

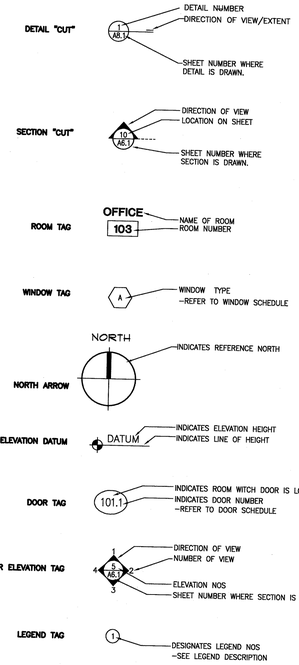
10. PROVIDE CASING BEADS AT ALL EXPOSED DRYWALL EDGES. PROVIDE ALL OTHER MISC METAL TRIM AS REQUIRED. FOR A COMPLETE AND PROPER INSTALLATION.

11. ALL EXTERIOR BUSINESS SIGNAGE REQUIRES A SEPARATE PERMIT.

12. THESE PLANS ARE FOR GENERAL CONSTRUCTION PURPOSES ONLY. THEY ARE NOT EXHAUSTIVELY DETAILED NOR FULLY SPECIFIED. IT IS THE RESPONSIBILITY OF THE OF THE CONTRACTOR TO SELECT, VERIFY, RESOLVE AND INSTALL ALL MATERIALS AND EQUIPMENT.

13. CONTRACTOR SHALL USE WRITTEN DIMENSIONS ONLY. ALL DIMENSIONS ARE TO FACE OF STUDS U.O.N.

19 GENERAL NOTES



17 SYMBOLS

&	AND	JB.	JAMB
∠	ANGLE	JST.	JOIST
@	AT	JT.	JOINT
x	BY		
ø	DIAMETER OR ROUND		
(E)	EXISTING	LAM.	LAMINATE
(N)	NEW	L.	LENGTH
d	PENNY (NAIL)	LAV.	LAVATORY
%	PERCENT	LB	POUND
#	POUND OR NUMBER	L.B.	LAG BOLT
		L.F.	LINEAR FEET
A.B.	ANCHOR BOLT	L.H.	LEFT HAND
ABV.	ABOVE	LOUV.	LOUVER
A/C	AIR CONDITIONING	LT.	LIGHT
A.C.	ASPHALT CONCRETE	MAT.	MATERIAL
ADJ.	ADJUSTABLE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISHED FLOOR	M.B.	MACHINE BOLT
AGG.	AGGREGATE	M.C.	MEDICINE CABINET
AL.	ALUMINUM	MECH.	MECHANICAL
ALT.	ALTERNATE	MED.	MEDIUM
ANOD.	ANODIZED	MEMB.	MEMBRANE
APPROX.	APPROXIMATE	MFG.	MANUFACTURER
ARCH.	ARCHITECTURAL	M.H.	MANHOLE
		MIN.	MINIMUM
BD.	BOARD	MISC.	MISCELLANEOUS
BLDG.	BUILDING	M.O.	MASONRY OPENING
BLK.	BLOCK	M.S.	MACHINE SCREW
BLKG.	BLOCKING	MTL.	METAL
BM.	BEAM	MULL.	MULLION
B.M.	BENCHMARK	N.	NORTH
B.O.C.	BACK OF CURB	NFL.	NEW FLOW LINE
BOT.	BOTTOM	N.I.C.	NOT IN CONTRACT
BTWN.	BETWEEN	NP.	NEW PAVEMENT
BUR.	BUILT UP ROOFING	NO.	NUMBER
B.W.	BACK OF WALK	(N.T.S.)	NOT TO SCALE
		NTW.	NEW T.O. WALK
CAB.	CABINET	o/	OVER (ON)
C.B.	CATCH BASIN	OBS.	OBSCURE
C.D.	CONDENSATE	O.C.	ON CENTER
CEF.	CEILING EXHAUST FAN	O.D.	OUTSIDE DIAMETER/DIMENSION
CEM.	CEMENT	OF.	OVERFLOW
C&G.	CURB & GUTTER	OPNG.	OPENING
C.I.	CAST IRON	OPT.	OPTIONAL
C.I.P.	CAST IN PLACE	OZ.	OUNCE
C.J.	CONSTRUCTION JOINT		
C.L.	CENTER LINE	PERF.	PERFORATED
CLG.	CEILING	PKT.	POCKET
CLR.	CLEAR/CLEARANCE	PL.	PLATE
C.M.U.	CONCRETE MASONRY UNIT	P.L.	PROPERTY LINE
CNTR.	COUNTER	PLAM	PLASTIC LAMINATE
C.O.	CLEANOUT	PLAS.	PLASTIC
COL.	COLUMN	PLUMB.	PLUMBING
COM.	COMMUNICATION	PLYWD.	PLYWOOD
CONC.	CONCRETE	PR.	PAIR
COND.	CONDITION	PREFAB.	PREFABRICATED
CONN.	CONNECTION	PRELIM.	PRELIMINARY
CONST.	CONSTRUCTION	P.S.F.	POUND PER SQUARE FOOT
CONT.	CONTINUOUS	P.S.I.	POUND PER SQUARE INCH
CONTR.	CONTRACTOR	PT.	POINT
COORD.	COORDINATE	P.T.D.	PAPER TOWEL DISPENSER
CORR.	CORRIDOR	P.U.E.	PUBLIC UTILITY EASEMENT
CPT.	CARPET	P.V.C.	POLYVINYL CHLORIDE
CR.	CEILING RETURN		
CS.	CEILING SUPPLY		
CTR.	CENTER	QTR.	QUARTER
C.W.	COLD WATER	QUAN.	QUANTITY
CWR.	COLD WATER RETURN		
DBL.	DOUBLE	R.A.	RETURN AIR
DEG.	DEGREE	RAD./R.	RADIUS
DEPT.	DEPARTMENT	R.D.	ROOF DRAIN
DET.	DETAIL	REF.	REFRIGERATOR
D.F.	DOUGLAS FIR	REFCLG.	REFLECTED CEILING
DIA.	DIAMETER	REF.	REFRIGERATOR
DIAG.	DIAGONAL	REINF.	REINFORCED
DIM.	DIMENSION	REQ.	REQUIRED
DISP.	DISPOSAL	RESIL.	RESILIENT
DIV.	DIVISION	REV.	REVISE/REVISION
DN.	DOWN	R.H.	RIGHT HAND
DP.	DEEP	RM.	ROOM
DR.	DOOR	R.O.	ROUGH OPENING
D.S.	DOWNSPOUT	R/W	RIGHT-OF-WAY
D.W.	DISHWASHER	RWD.	REDWOOD
DWG.	DRAWING	R.W.L.	RAINWATER LEADER
E.	EAST	S.B.	SPLASH BLOCK
EA.	EACH	S.C.	SOLID CORE
E.F.	EXHAUST FAN	SCH.	SCHEDULE
E.G.	EXISTING GRADE (GROUND)	S.D.	STORM DRAIN
E.J.	EXPANSION JOINT	SEC.	SECTION
ELEC.	ELECTRIC	SEP.	SEPARATION
EL./ELEV.	ELEVATION	SHTG.	SHEATHING
ENCL.	ENCLOSURE	SHT.	SHEET
ENT.	ENTRANCE	SIM.	SIMILAR
E.P.	EDGE OF PAVEMENT	S.M.	SHEET METAL
EQ.	EQUAL	S.M.S.	SHEET METAL SCREW
EQUIP.	EQUIPMENT	SPEC.	SPECIFICATION
EST.	ESTIMATE	SPL.	SPLASH
ETC.	ET CETERA	SQ.	SQUARE
EXP.	EXPANSION	S.S.	SANITARY SEWER
EXT.	EXTERIOR	STA.	STATION
		STD.	STANDARD
F.D.	FLOOR DRAIN	STL.	STEEL
F.E.	FIRE EXTINGUISHER	STOR.	STORAGE
F.E.C.	FIRE EXTINGUISHER CABINET	STRUCT.	STRUCTURAL
F.F.	FINISH FLOOR	SUSP.	SUSPENDED
F.F.E.	FINISH FLOOR ELEVATION	S.V.	SHEET VINYL
F.G.	FINISH GRADE (GROUND)	SW.	SIDEWALK
F.H.	FIRE HYDRANT		
FIN.	FINISH	T. & B.	TOP AND BOTTOM
FL.	FLOW LINE	TBR.	TO BE REMOVED
FLASH.	FLASHING	TEL./TELE.	TELEPHONE
FLEX.	FLEXIBLE	TEMP.	TEMPERED
FLR.	FLOOR	T. & G.	TONGUE AND GROOVE
FLUOR.	FLUORESCENT	THK.	THICK
FND.	FOUNDATION	THR.	THRESHOLD
F.O.B.	FACE OF BLOCK	T.O.	TOP OF
F.O.C.	FACE OF CONCRETE	T.O.C.	TOP OF CURB
F.O.S.	FACE OF STUD	T. O.W.	TOP OF WALL
F.O.W.	FACE OF WALL	T.T.D.	TOILET TISSUE DISPENSER
FRMG.	FRAMING	T.V.	TELEVISION
FT.	FEET/FOOT	TYP.	TYPICAL
FTG.	FOOTING		
		U.G.	UNDERGROUND
GA.	GAUGE	U.L.	UNDERWRITERS LABORATORY
GAL.	GALLON	U.O.N.	UNLESS OTHERWISE NOTED
GALV.	GALVANIZED		
GFI	GROUND FAULT INTERRUPTER	VENT.	VENTILATE/VENTILATION
GI.	GALVANIZED IRON	VERT.	VERTICAL
GL.	GLASS	VEST.	VESTIBULE
G.L.B.	GLUE LAMINATED BEAM	V.G.	VALLEY GUTTER
GND.	GROUND	VOL.	VOLUME
GOVT.	GOVERNMENT	V.T.R.	VENT THROUGH ROOF
GRD.	GRADE	V.W.C.	VINYL WALL COVERING
GSM.	GALVANIZED SHEET METAL		
GYP.	GYPSUM		
		W.	WEST
HB.	HOSE BIBB	W.	WIDTH (DIMENSION)
HC.	HANDICAPPED	W/	WITH
H.C.	HOLLOW CORE	W.C.	WATER CLOSET
HDR.	HEADER	WCO.	WALL CLEAN OUT
HDWR.	HARDWARE	WD.	WOOD
HDWD.	HARDWOOD	W.H.	WATER HEATER
H.M.	HOLLOW METAL	W/O	WITHOUT
HORIZ.	HORIZONTAL	W.P.	WATER PROOF
HR.	HOUR	WR.	WALL RETURN (MECH)
HT.	HEIGHT	W.R.	WATER RESISTANT
HTR.	HEATER	WS.	WALL SUPPLY (MECH)
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	W.S.	WOOD SCREW
H.W.	HOT WATER	WT.	WEIGHT
		W.W.F.	WELDED WIRE FABRIC
I.D.	INSIDE DIAMETER/DIMENSION		
IN.	INCH		
INSUL.	INSULATION		
INT.	INTERIOR		
INV.	INVERT		

13 ABBREVIATIONS

Center for Human Services

changing lives building futures helping families

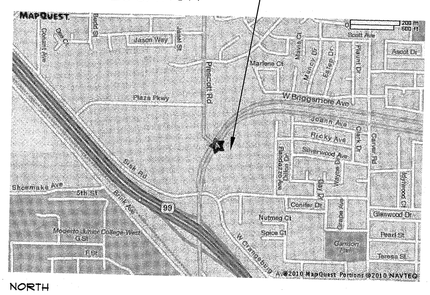
2000 BRIGGSMORE AVENUE, SUITE I

MODESTO CALIFORNIA

This set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.
REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By Oscar Diaz Permit No. BUI2014-63643
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

11 PROJECT TITLE

PROJECT LOCATION



10 VICINITY MAP

NO SCALE

ARCHITECT
L-STREET ARCHITECTS, LIMITED
1414 L STREET
MODESTO, CA. 95354
OFFICE: (209) 575-1415
FAX: (209) 575-4374

STRUCTURAL ENGINEER
PELTON ENGINEERING
2813 COFFEE RD SUITE D1
MODESTO, CA. 95355
OFFICE: (209) 575-4619
FAX: (209) 575-0274

MECHANICAL DESIGN BUILD
DEHART PLUMBING/HEATING & AIR INC.
311 BITRITTO WAY
MODESTO, CA 95356
OFFICE: (209) 523-4578
FAX: (209) 523-4587

PLUMBING DESIGN BUILD
DEHART PLUMBING/HEATING & AIR INC.
311 BITRITTO WAY
MODESTO, CA 95356
OFFICE: (209) 523-4578
FAX: (209) 523-4587

ELECTRICAL DESIGN BUILD
BRITE ELECTRIC, INC.
440 S GOLDEN STATE BLVD,
TURLOCK, CA 95381
OFFICE: (209) 632-7241
FAX: (209) 632-4389

9 CONSULTANTS

1. MODIFICATIONS TO THE AUTOMATIC FIRE EXTINGUISHING SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13.

2. AT THE CONCLUSION OF CONSTRUCTION, PROVIDE A FINAL MASTER DOOR KEY TO THE FACILITY FOR INCLUSION IN THE BUILDING KNOX BOX

3. TENANT IMPROVEMENTS - SPRINKLERS; ANY TENANT IMPROVEMENTS, ADDITIONS OR CHANGES TO ANY SPRINKLER SYSTEM REQUIRE MODESTO REGIONAL FIRE AUTHORITY REVIEW AND APPROVAL

4. FIRE EXTINGUISHERS; THE APPLICANT SHALL INSTALL APPROVED FIRE EXTINGUISHERS, ONE (1) PER EACH 3000 SQUARE FEET, WITH A MAXIMUM TRAVEL OF SEVENTY-FIVE FEET (75') FROM ANY POINT IN BUILDING. THESE SHOULD BE LOCATED AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO BUILDING OCCUPANCY.

5. SUITE NUMBERS; SUITE NUMBERS SHALL BE INSTALLED AT FRONT AND REAR DOORS.

6. TITLE 19 REQUIREMENTS; ALL CARPETS, DECORATIONS AND PANELING SHALL COMPLY WITH TITLE 19 REQUIREMENTS. FLAME-RESISTANT CERTIFICATES SHALL BE SUBMITTED TO THE FIRE DEPARTMENT BEFORE ANY INSTALLATION REGARDING THIS DEPARTMENT.

7. ROOM CAPACITY; ANY ROOM HAVING AN OCCUPANT LOAD OF 50 OR MORE AND WHICH IS USED FOR ASSEMBLY PURPOSES SHALL HAVE THE CAPACITY OF THE ROOM POSTED IN A CONSPICUOUS PLACE ON AN APPROVED SIGN NEAR THE MAIN EXIT FROM THE ROOM.

8. EXIT SIGNAGE; THE PATH OF EXIT TRAVEL TO AND WITHIN EXITS IN A BUILDING SHALL BE IDENTIFIED BY EXIT SIGNS CONFORMING TO THE REQUIREMENTS OF C.B.C.

9. SMOKE DETECTORS DUCT WORK; SMOKE DETECTORS ARE TO BE MOUNTED IN SUPPLY DUCTWORK OF NEW AIR CONDITIONING SYSTEMS SUPPLYING GREATER THAN 2000 CFM. THE DETECTORS SHALL BE WIRED TO SHUT OFF THE AIR HANDLING UNIT WHEN SMOKE IS DETECTED. A SMOKE DETECTION SHUT-OFF TEST IS REQUIRED.

10. EMERGENCY LIGHTING; THE APPLICANT SHALL INSTALL EMERGENCY LIGHTING WITH BATTERY BACKUP OR AN APPROVED ALTERNATE.

11. SUBMIT DEFERRED FIRE SPRINKLER PLANS DIRECTLY TO MODESTO REGIONAL FIRE AUTHORITY.

12. THE WATER FLOW ALARM SHALL BE MONITORED PER CFC 903.4.1 THE FIRE ALARM SHALL HAVE AND MAINTAIN A UL FIRE ALARM CERTIFICATE FOR THE LIFE OF THE ALARM SYSTEM.

6 FIRE PROTECTION NOTES

1. FLOOR TRUSSES
2. EXTERIOR SIGNAGE
3. ELEVATOR AND ELEVATOR HOIST

5 DEFERRED SUBMITTALS ⚠

SITE ADDRESS :	2000 W. BRIGGSMORE AVENUE SUITE I MODESTO, CA 95350
APN#:	060-036-013
NUMBER OF STORIES:	ONE STORY BUILDING TWO STORY T.I.
BUILDING AREAS	
GROUND FLOOR:	14,091 SQ. FT.
SECOND FLOOR:	4,557 SQ. FT.
TOTAL T.I. AREA:	18,648 SQ. FT.
BUILDING TYPE:	EXISTING TYPE VB
OCCUPANCY:	B
NUMBER OF OCCUPANTS:	325
EXITS REQUIRED:	2 EXITS (> THAN 49)
EXITS PROVIDED:	6 EXITS
PARKING REQUIREMENTS	
MEDICAL USE AREA:	1,845 SQ. FT.
PARKING RATIO (1/200):	1,845/200 = 10 PARKING STALLS
OFFICE USE AREA:	16,753 SQ. FT.
PARKING RATIO (1/300):	16,753/300 = 56 PARKING STALLS
TOTAL PARKING REQUIRED:	66 PARKING STALLS
FIRE SPRINKLERS:	YES, EXISTING
JURISDICTION:	CITY OF MODESTO

THIS PROJECT TO COMPLY WITH THE FOLLOWING CODES:

2013 CALIFORNIA BUILDING CODE, VOLUMES 1-2
2013 CALIFORNIA ELECTRIC CODE
2013 CALIFORNIA MECHANICAL CODE
2013 CALIFORNIA PLUMBING CODE
2013 CALIFORNIA FIRE CODE
2013 CALIFORNIA ENERGY CODE
TITLE 24 ACCESSIBILITY STANDARDS
2013 CALIFORNIA GREEN BUILDING STANDARDS CODE ⚠

3 PROJECT INFORMATION AND CODES

T1.1 TITLE SHEET
T1.2 GROUND FLOOR EXITING PLAN, OCCUPANT LOADS, TOILET REQUIREMENTS
T1.3 SECOND FLOOR EXITING PLAN, OCCUPANT LOADS
A5.1 REFERENCE SITE PLAN
A1.1 GROUND FLOOR PLAN
A1.2 SECOND FLOOR PLAN
A2.1 GROUND FLOOR CEILING PLAN
A2.2 SECOND FLOOR CEILING PLAN
A2.3 CEILING DETAILS
A3.1 ENLARGED TOILET PLANS AND INTERIOR ELEVATIONS
A3.2 ENLARGED TOILET PLANS AND INTERIOR ELEVATIONS
A3.3 INTERIOR ELEVATIONS
A3.4 INTERIOR ELEVATIONS
A4.1 FINISH SCHEDULE - GROUND FLOOR
A4.2 FINISH SCHEDULE - GROUND & SECOND FLOORS
A4.3 DOOR SCHEDULE - GROUND & SECOND FLOORS
A4.4 WINDOW SCHEDULE - GROUND & SECOND FLOORS
A8.1 DETAILS
A8.2 DETAILS
A8.3 DETAILS
A8.4 DETAILS
S1.1 GENERAL NOTES
S1.2 STRUCTURAL DETAILS
S1.3 NON STRUCTURAL WALL AND CEILING DETAILS
S2.1 ENLARGED FOUNDATION PLAN
S2.2 ENLARGED FLOOR FRAMING PLAN
S2.3 PARTIAL ROOF FRAMING PLAN
S3.1 FOUNDATION DETAILS
S4.1 FLOOR FRAMING DETAILS
S5.1 ROOF FRAMING DETAILS
S6.1 CONNECTION DETAILS
M0.0 NOTES
M1.0 GROUND FLOOR AIR DISTRIBUTION PLAN
M2.0 SECOND FLOOR AIR DISTRIBUTION PLAN
M3.0 HVAC ROOF PLAN
M4.0 SCHEDULES & DETAILS
EN-1 ENERGY FORMS
P1.1 WASTE & VENT PIPING PLAN FIRST FLOOR
P1.2 WASTE & VENT PIPING PLAN SECOND FLOOR
P2.1 WATER PIPING PLAN FIRST FLOOR
P2.2 WATER PIPING PLAN SECOND FLOOR
P3 GAS & CONDENSATE PIPING PLAN
P4 PLUMBING NOTES, SCHEDULE & DETAIL
E1 ELECTRICAL PANEL SCHEDULES, ONE-LINE DIAGRAM
E2 ELECTRICAL POWER PLAN FIRST FLOOR
E3 ELECTRICAL LIGHTING PLAN FIRST FLOOR
E4 ELECTRICAL POWER PLAN SECOND FLOOR
E5 ELECTRICAL LIGHTING PLAN SECOND FLOOR
E6 MECHANICAL ELECTRICAL PLAN
E7 TITLE 24
E8 TITLE 24

1 SHEET INDEX

L Street Architects Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 Fax
www.lstreetarchitects.com

LICENSED ARCHITECT · ROBERT L. STREET · RENEWAL 08/31/2015 · C-18927 · STATE OF CALIFORNIA

HUMAN SERVICES

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

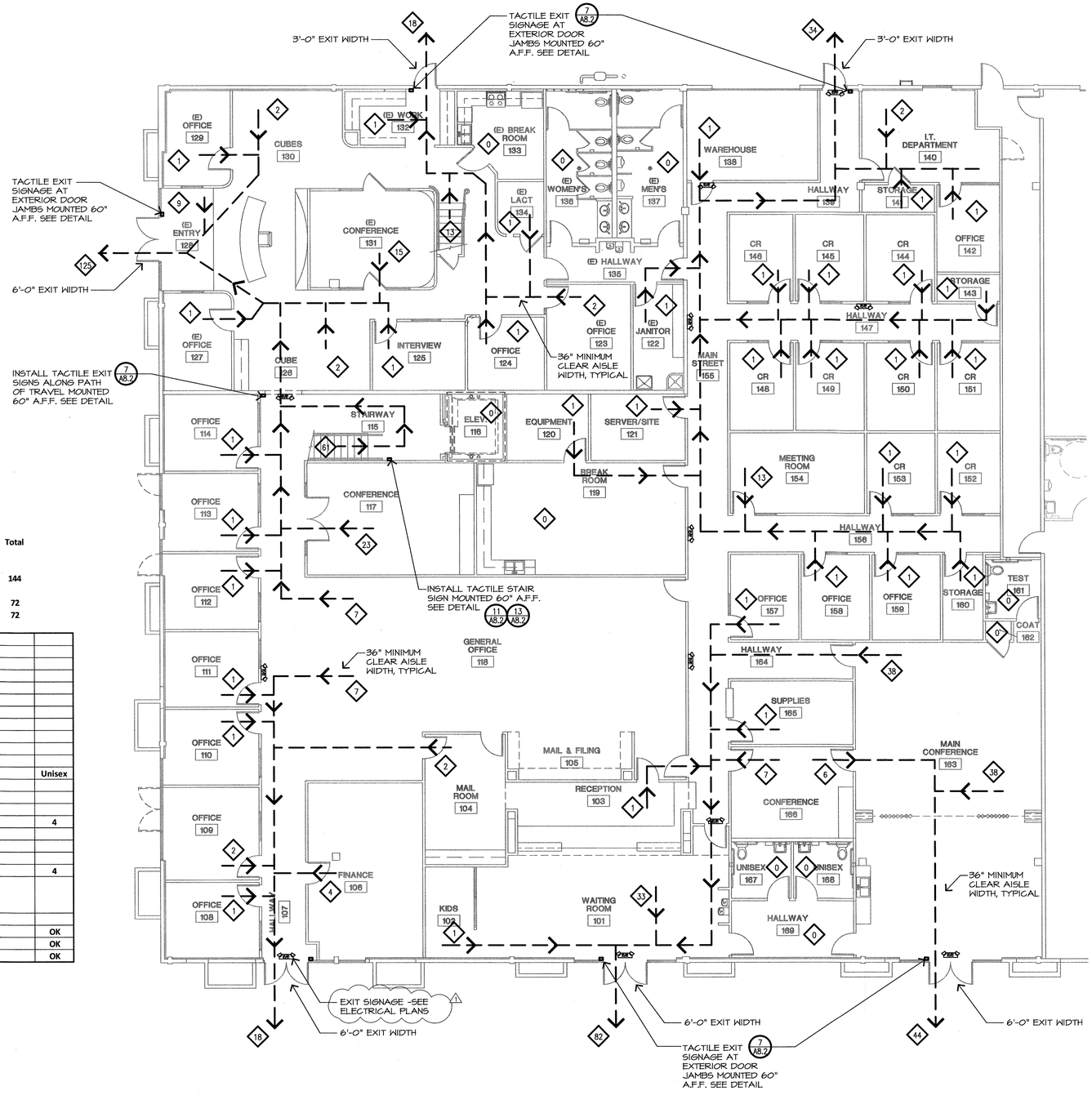
2000 W. BRIGGSMORE SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:
⚠ 12/09/14 BLDG. REV

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-T11
JOB:	61.216
PRINT DATE:	

TITLE SHEET
PROJECT INFO
SHEET INDEX
VICINITY MAP

T1.1



CHS - Toilet Requirements

Use	Area	Load	Occ.	Total
Offices	9,724	1 per 200	49	
Conference	2,832	1 per 30	94	
Warehouse	216	1per 5000	1	**144**
			Men	**72**
			Women	**72**

Required				Men		Women		
Water Closets	Men	2: 51 to 100		**2**				
	Women	4:51 to 100				**4**		
Urinals	Men	1:1-100		**1**				
Lavs	Men	1:1-75		**1**				
	Women	2: 51 to 100				**2**		

Provided				Men		Women		Unisex
Water Closets	Men			**2**				
	Women					**4**		
	unisex							**4**
Urinals	Men			**2**				
Lavs	Men			**2**				
	Women					**2**		
	Unisex							**4**

Totals			Required		Provided Men & Women			
Water Closets			**6**		**10**			**OK**
Urinals			**1**		**2**			**OK**
Lavs			**3**		**8**			**OK**

Center for Human Services - Occupant loads

	Name	Area	Use	Accessory	occ-rate	occupants
		Total SF			1 PER x SF	
101	Waiting Room	490	B		15	33
102	Kids	84	B		100	1
103	Reception	132	B		100	1
104	Mail Room	176	B		100	2
105	Mail and Filing	70	B		100	1
106	Finance	360	B		100	4
107	Hallway		B	X	NA	
108	Office	130	B		100	1
109	Office	163	B		100	2
110	Office	130	B		100	1
111	Office	130	B		100	1
112	Office	130	B		100	1
113	Office	130	B		100	1
114	Office	130	B		100	1
115	Stairway		B	X	NA	
116	Elevator		B	X	NA	
117	Conference	345	B		15	23
118	Gen. Office	1305	B		100	13
119	Breakroom		B	X	NA	
120	Equipment	100	B		100	1
121	Server	117	B		100	1
122	Janitor	105	B		100	1
123	Office	180	B		100	2
124	Office	105	B		100	1
125	Interview	119	B		100	1
126	Cube	180	B		100	2
127	Office	130	B		100	1
128	Entry	140	B		15	9
129	Office	130	B		100	1
130	Cubes	195	B		100	2
131	Conference	221	B		15	15
132	Work	120	B		100	1
133	Break Room		B	X	NA	
134	Lact.	50	B		100	1
135	Hallway		B	X	NA	
136	Womens Toilet		B	X	NA	
137	Mens Toilet		B	X	NA	
138	Warehouse	216	S1		500	1
139	Hallway		B	X	NA	
140	IT Department	229	B		100	2
141	Storage	40	B		100	1
142	Office	99	B		100	1
143	Storage	34	B		100	1
144	CR (office typ.)	114	B		100	1
145	CR	114	B		100	1
146	CR	104	B		100	1
147	Hallway		B	X	NA	
148	CR	104	B		100	1
149	CR	114	B		100	1
150	CR	114	B		100	1
151	CR	99	B		100	1
152	CR	99	B		100	1
153	CR	114	B		100	1
154	Meeting	198	B		15	13
155	Main Street (hall)		B	X	NA	
156	Hallway		B	X	NA	
157	Office	114	B		100	1
158	Office	114	B		100	1
159	Office	114	B		100	1
160	Storage	66	B		100	1
161	Test (toilet)		B	X	NA	
162	Coat	12	B		100	1
163	Main Conference	1144	B		15	76
164	Hallway		B	X	NA	
165	Supplies	144	B		100	1
166	Conference	192	B		15	13
167	Unisex		B	X	NA	
168	Unisex		B	X	NA	
169	Hallway		B	X	NA	
	Total					**251**

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REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____
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ROBERT L. STRAESSE
LICENSED ARCHITECT
C-8627
RENEWAL 08/31/15
STATE OF CALIFORNIA

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:
△1 12/09/14 BLDG. REV

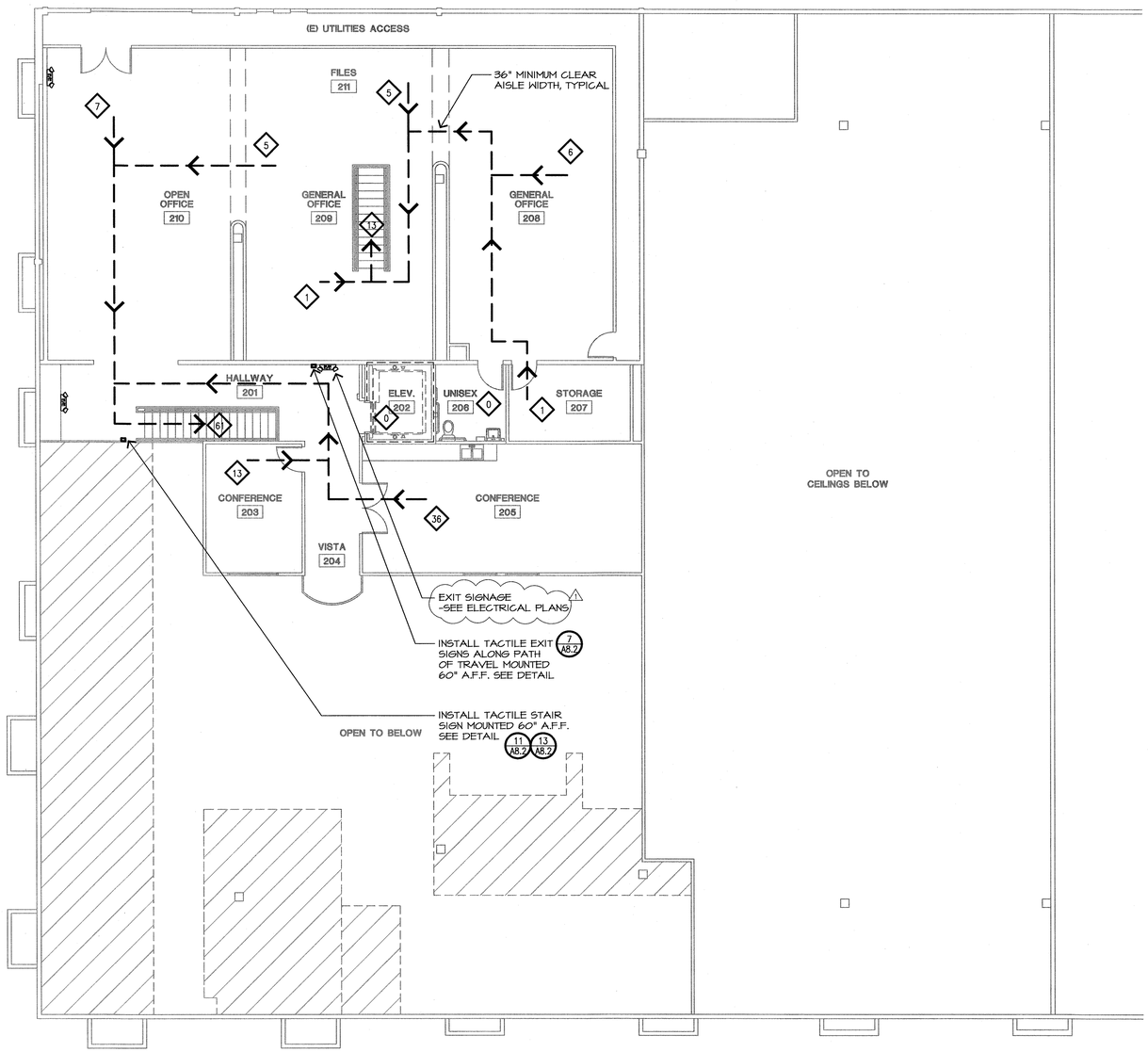
DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-T12
JOB:	61.216
PRINT DATE:	

GROUND FLR EXIT PLAN OCCUPANT LOADS TOILET CALCS

T1.2

NORTH

17 | 1/8" | GROUND FLOOR EXIT PLAN



Center for Human Services - Occupant loads

	Name	Area	Use	Accessory	occ-rate	occupants
		Total SF			1 PER x SF	
201	Hallway		B	X	NA	
202	Elevator		B	X	NA	
203	Conference	192	B		15	13
204	Vista		B	X	NA	
205	Conference	540	B		15	36
206	Unisex		B	X	NA	
207	Storage	135	B		100	1
208	General Office	600	B		100	6
209	General Office	612	B		100	6
210	General Office	660	B		100	7
211	Files	544	B		100	5
	Total				74	325

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NORTH

17 | 1/8" | 2ND FLOOR EXIT PLAN

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ROBERT L. SWANSON · LICENSED ARCHITECT · C-8827 · RENEWAL 08/31/2015 · STATE OF CALIFORNIA

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CENTER FOR HUMAN SERVICES

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MODESTO, CALIFORNIA 95350

REVISIONS:
1 12/09/14 BLDG. REV

DRAWN: G. MEJIA
DATE: 11/06/2014
FILE: 216-T13
JOB: 61.216
PRINT DATE:

2ND FLOOR EXIT PLAN OCCUPANT LOADS

T1.3

BRIGGSMORE AVE

FUTURE BUILDING
(NOT IN SCOPE)

EXISTING ACCESSIBLE
PATH OF TRAVEL

EXISTING ACCESSIBLE
PARKING STALLS & RAMPS

EXISTING TRASH ENCLOSURES

EXISTING PANIC
BAR ON MAN GATE

SCOPE OF WORK
SHOWN HATCHED

TYP. OUTLINE OF
EXISTING BUILDING

EXISTING PARKING STALLS

NOTE: NO PROPOSED CHANGES
TO EXISTING SITEWORK

EXISTING BUILDING
(NOT IN SCOPE)

NORTH

17 | 1"=20' | **REFERENCE SITE PLAN**

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STATE OF CALIFORNIA · LICENSED ARCHITECT · ROBERT L. GRASSE · C-8827 · RENEWAL 08/2015

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-AS1
JOB:	61.216
PRINT DATE:	

REFERENCE SITE PLAN

AS.1

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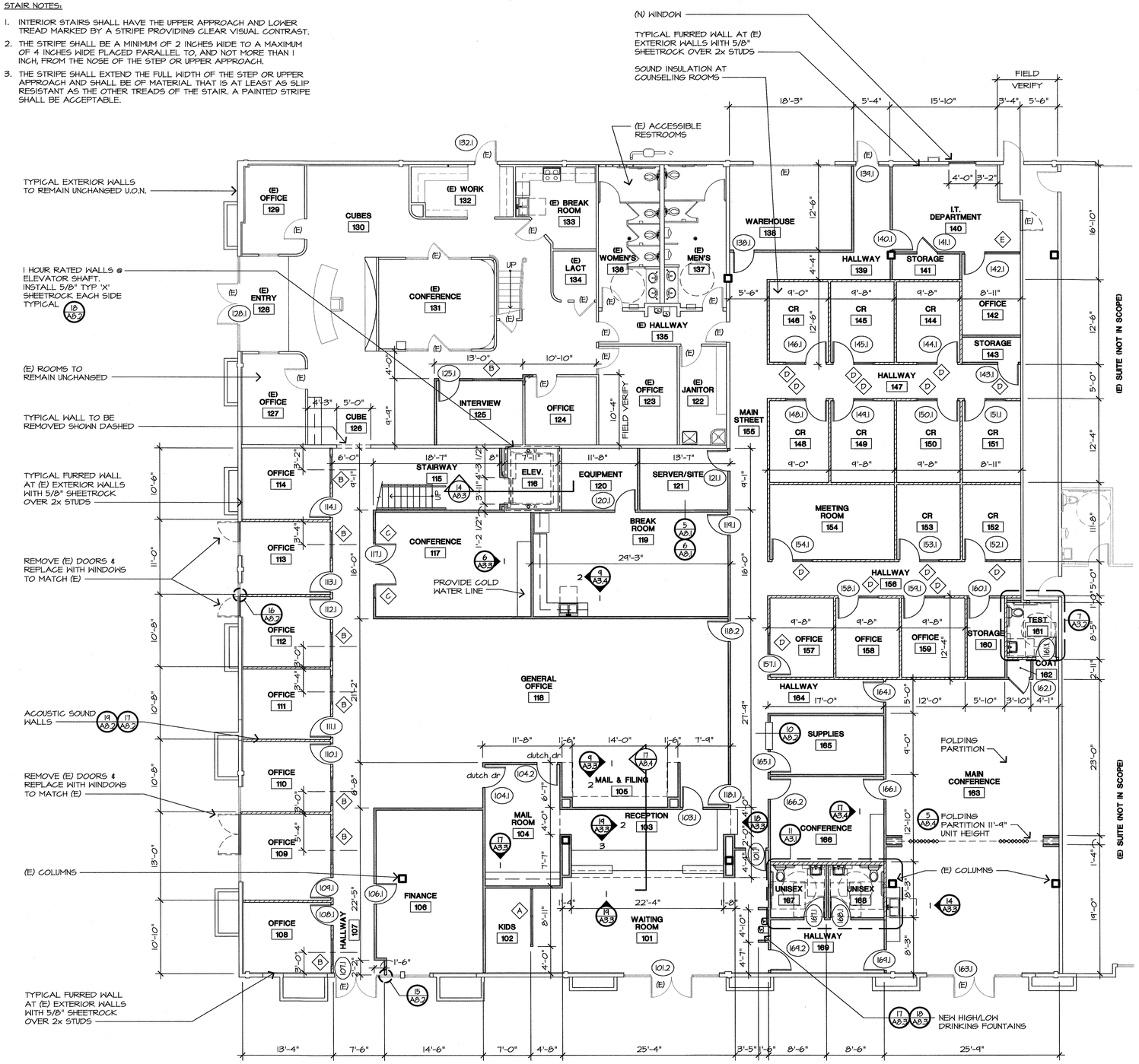
STAIR NOTES:

1. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST.
2. THE STRIPE SHALL BE A MINIMUM OF 2 INCHES WIDE TO A MAXIMUM OF 4 INCHES WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH, FROM THE NOSE OF THE STEP OR UPPER APPROACH.
3. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE.



GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL CONFIRM LAYOUT FOR ELECTRICAL POWER.
2. PRIOR TO OCCUPANCY GEN. CONTRACTOR TO PROVIDE & INSTALL 2A 10:BC FIRE EXTINGUISHER @ +34" A.F.F.
3. GEN. CONTRACTOR SHALL CONFIRM w/ TENANT ALL REQUIREMENTS REQUIRED FOR TELEPHONE, CPU, DATA LINES, PRIOR TO START OF CONSTRUCTION.
4. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN ALL WALL LOCATIONS SHALL BE AS FLOOR PLANS. IN CASE OF CONFLICT NOTIFY THE ARCHITECT. WALL LOCATION ON FLOOR PLAN TAKES PRECEDENCE OVER ALL OTHER PLANS.
5. ALL WALLS ARE DIMENSIONED FROM FINISH FACE OF STUD TO FINISH FACE OF STUD UNLESS NOTED OTHERWISE. ALL DIMENSIONS MARKED "CLEAR OR "CLR." SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS OF WALL FINISHES, UNLESS NOTED OTHERWISE.
6. DIMENSIONS NOTED "CLEAR" OR "CLR." MUST BE ACCURATELY MAINTAINED. AND SHALL NOT VARY MORE THAN 1/8" WITHOUT WRITTEN INSTRUCTIONS FROM THE ARCHITECT.
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8. MODIFY EXISTING FLOOR SURFACES AS REQUIRED TO INSTALL NEW FLOORING MATERIALS, THUS PREVENTING NOTICEABLE LUMPS AND OR DEPRESSIONS.
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10. ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE AND TRUE.
11. TRIM THE BOTTOMS OF DOORS TO CLEAR THE TOP OF FINISHED FLOOR, AS APPLICABLE BY 1/4" MAXIMUM UNLESS NOTED OTHERWISE NOTIFY ARCHITECT OF CONFLICTS.
12. ALL GLASS SHALL BE CLEAR TEMPERED GLASS, UNLESS NOTED OTHERWISE GLAZING TONG MARKS SHALL NOT BE VISIBLE. CLEAN & POLISH ALL GLASS PRIOR TO PROJECT DELIVERY.
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15. PROVIDE TACTILE EXIT SIGNS PER CBC 1003.2.8.6.1
16. NEW ELECTRICAL RECEPTACLES AND SWITCHES MUST BE MOUNTED NO LOWER THAN 15" TO THE BOTTOM OF THE OUTLET BOX AND NO HIGHER THAN 48" TO THE TOP OF OUTLET BOX. CBC 11-B-308.1.
17. FOR ALL DOOR HARDWARE -SEE DOOR SCHEDULE A4.3

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By_____ Permit No._____

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- EXISTING WALLS
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- ONE HOUR RATED WALLS (18 A8.2)
- 6" METAL STUDS AT 16" O.C. WITH 5/8" SHEETROCK BOTH SIDES (SIM 20 A8.2)
- ACOUSTIC SOUND WALLS (STC 50). 3 5/8" METAL STUDS AT 16"o.c. WITH HORIZONTAL RESILIENT FURRING CHANNELS 24" o.c. AND 3 5/8" GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE WITH 5/8" TYPE 'X' SHEETROCK BOTH SIDES. GA FILE NO. WP 1044 (19 A8.2)

NORTH

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C-8827
RENEWAL 08/31/15

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

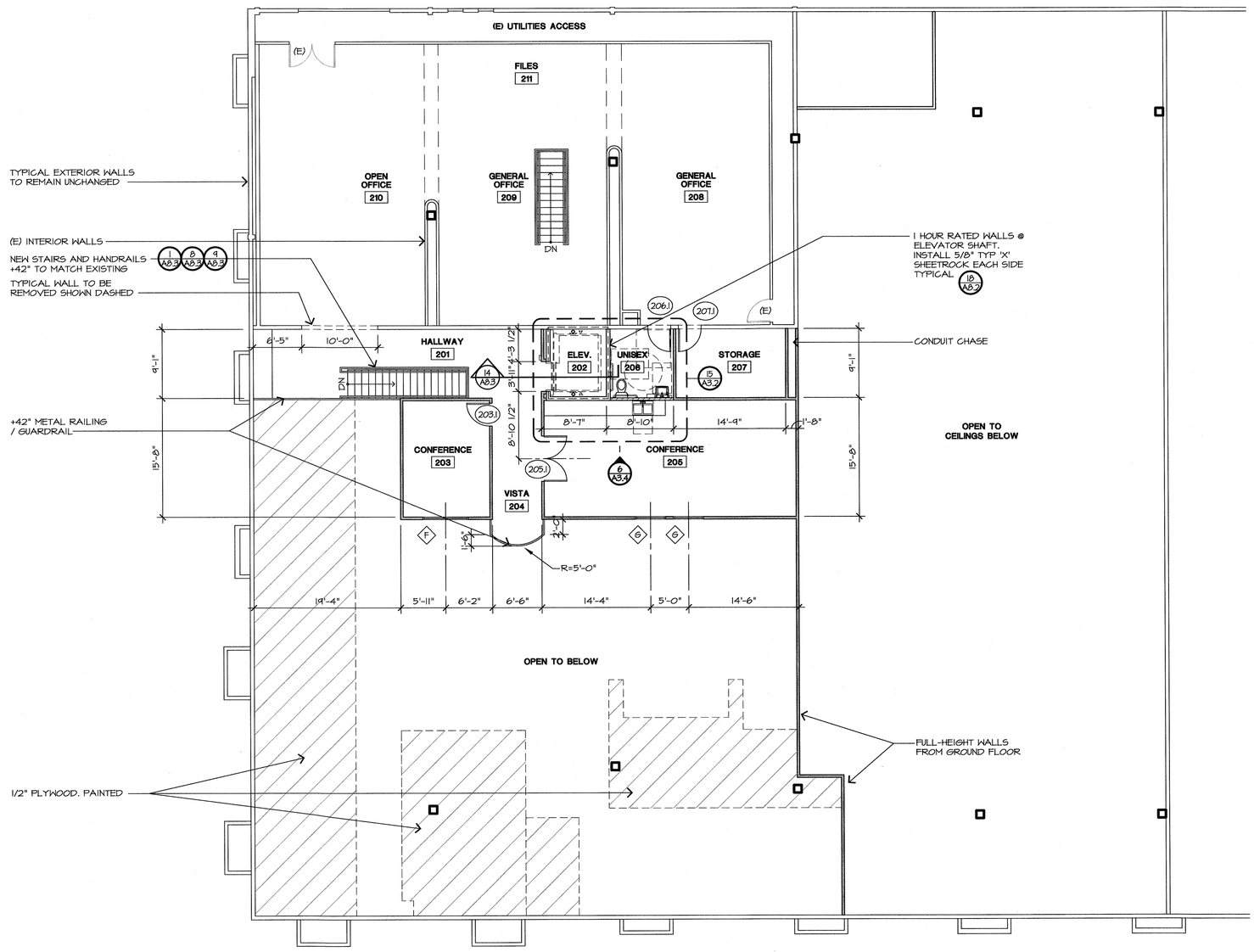
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:	
12/09/14	BLDG. REV
DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A11
JOB:	61.216
PRINT DATE:	

GROUND FLOOR PLAN

A1.1

17 | 1/8" | GROUND FLOOR PLAN



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STATE OF CALIFORNIA · LICENSED ARCHITECT · RENEWAL 08/31/2015 · C-8827

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

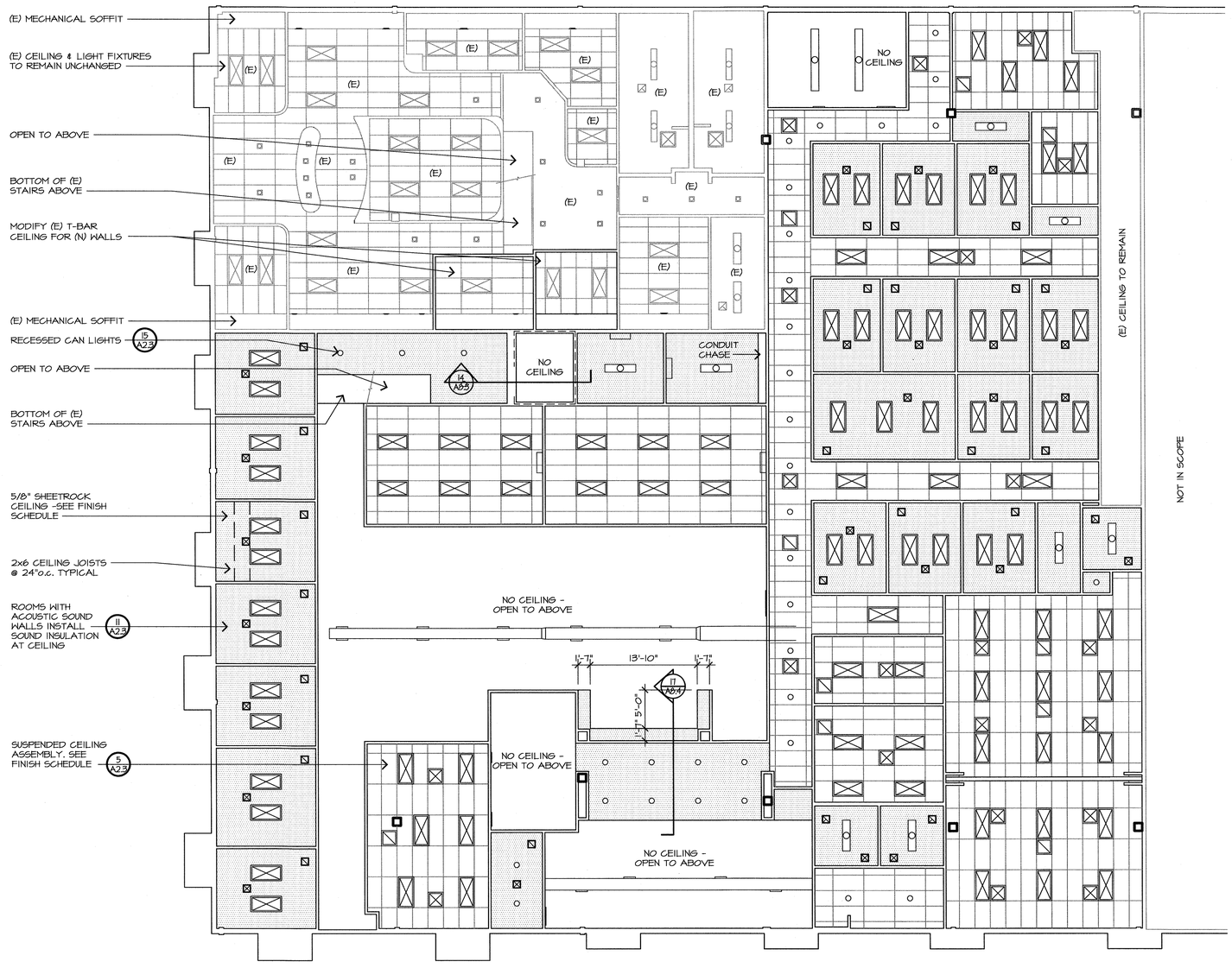
REVISIONS:
1 12/09/14 BLDG. REV

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A12
JOB:	61.216
PRINT DATE:	

SECOND FLOOR PLAN

A1.2

17 | 1/8" | SECOND FLOOR PLAN



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NORTH

17 | 1/8" | GROUND FLOOR CEILING PLAN

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209-575-1415 209-575-4574 Fax
www.lstreetarchitects.com

STATE - LICENSED ARCHITECT - ROBERT L. SPARKS - C-8827 - RENEWAL 08/31/15 - CALIFORNIA

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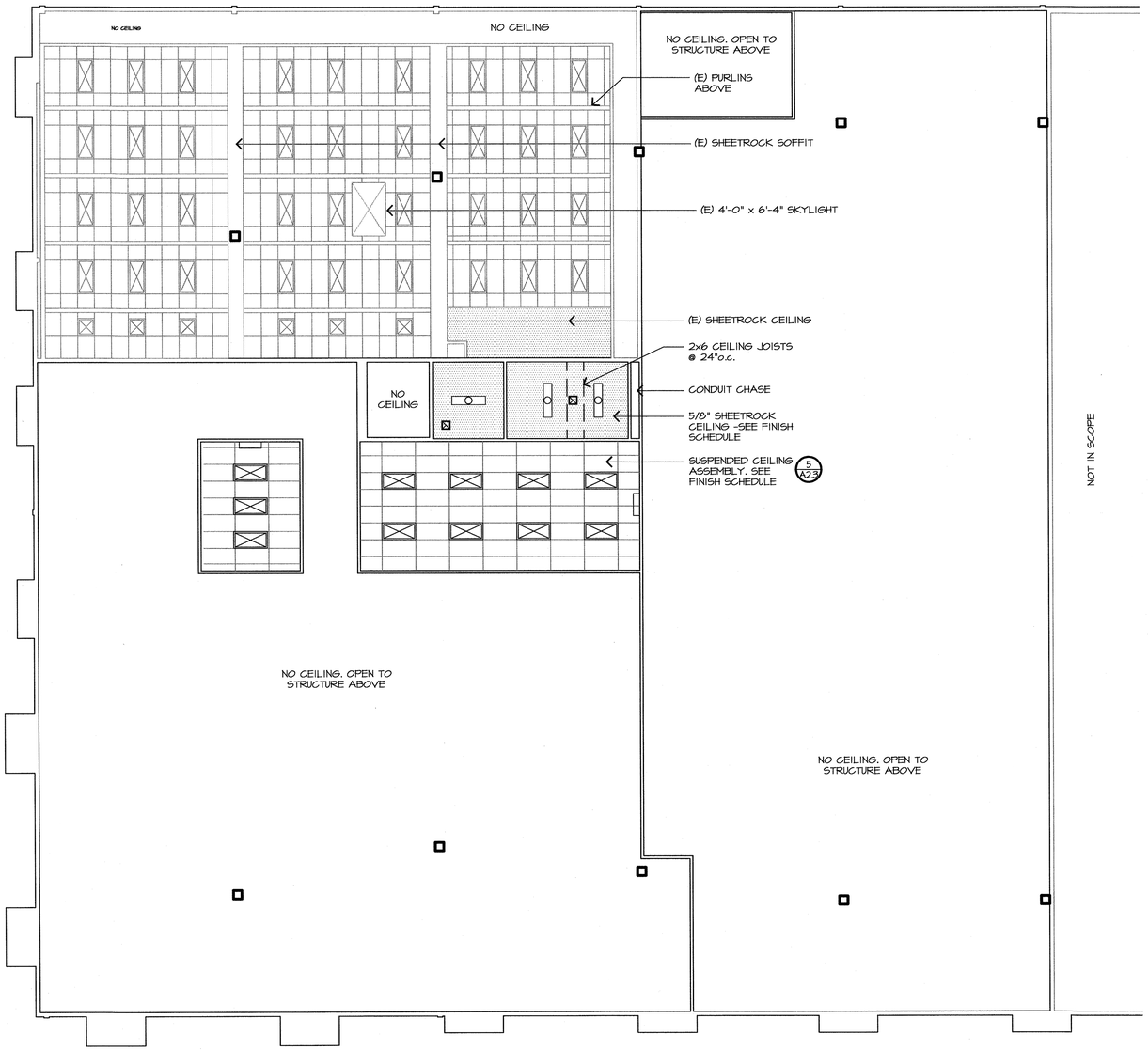
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A21
JOB:	61.216
PRINT DATE:	

GROUND FLR CEILING PLAN

A2.1



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LICENSED ARCHITECT ROBERT L. STREET No. 8827 RENEWAL 08/31/15 STATE OF CALIFORNIA

C-8827

PROPOSED TENANT IMPROVEMENT FOR:

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REVISIONS:

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A22
JOB:	61.216
PRINT DATE:	

SECOND FLR CEILING PLAN

A2.2

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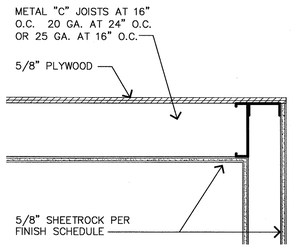
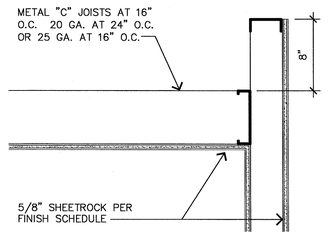
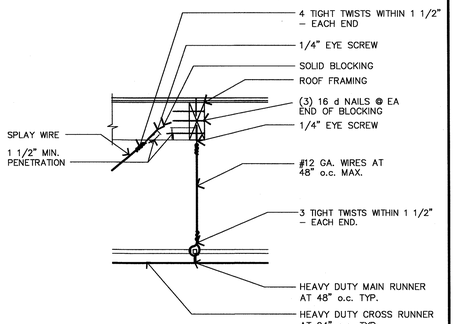


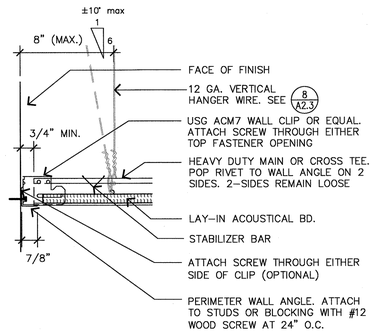
16 1-1/2" **PLYWOOD OVER CEILING**



12 1-1/2" **CEILING FRAMING**

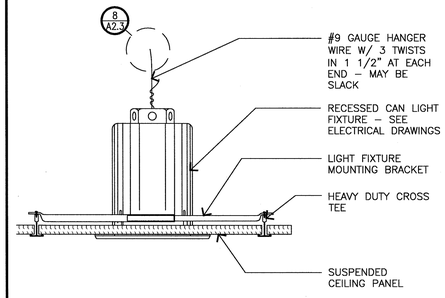


8 1-1/2" **WIRE ANCHORAGE**

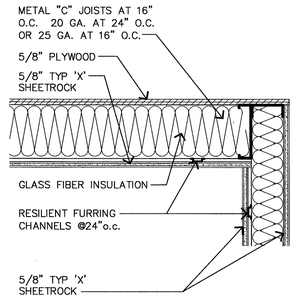


4 3" **FIXED END**

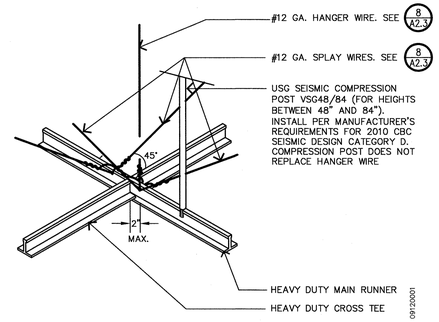
19 **NOT USED**



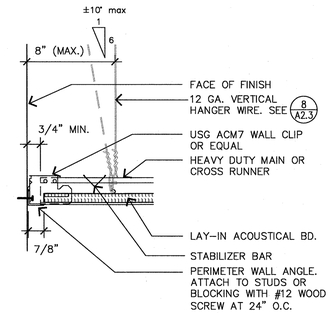
15 3/4" **CAN LIGHT**



11 1-1/2" **SOUND FRAMING AT CEILING**

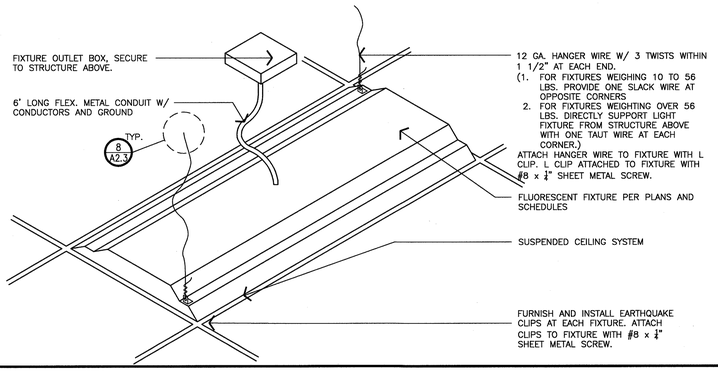


7 1-1/2" **LATERAL RESTRAINT**



3 3" **FREE END**

18 **NOT USED**



17 N.T.S. **LIGHT SUPPORT DETAIL IN T-BAR CEILING**

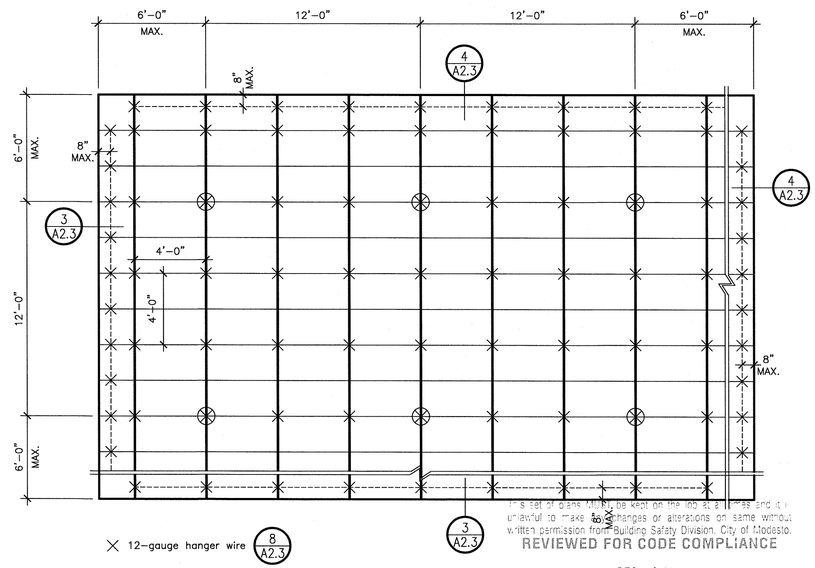
SUSPENDED CEILING SYSTEM REQUIREMENTS FOR
2013 CBC SEISMIC CATEGORY D, E, & F

SUSPENDED ACOUSTICAL CEILINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635, ASTM C 636, AND ASCE SECTION 13.5.6 AND PER THE MANUFACTURER'S REQUIREMENTS AND INSTRUCTIONS.

THE SUSPENDED ACOUSTICAL CEILING INSTALLATION SHALL COMPLY WITH THE FOLLOWING:

1. MINIMUM INTERSECTION STRENGTH LIMITS @ MAIN TEE & CROSS TEE TO BE 180 LBS.
2. 12 GAUGE VERTICAL HANGER WIRES AT 4'–0" O.C. IN BOTH DIRECTIONS.
3. CONNECTION DEVICE FROM VERTICAL WIRE TO THE STRUCTURE ABOVE MUST SUSTAIN MIN. 100 LBS.
4. A HEAVY DUTY T–BAR GRID SYSTEM SHALL BE USED.
5. VERTICAL HANGER WIRES TO BE NO MORE THAN 1 IN 6 OUT OF PLUMB
6. PERIMETER VERTICAL HANGER WIRES NOT MORE THAN 8" FROM WALL
7. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 7/8".
8. IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON A CLOSURE ANGLE.
9. PERIMETER TEE ENDS TO BE TIED TOGETHER AT PERIMETER.
10. FOR CEILINGS LARGER THAN 1000 SQ. FT. HORIZONTAL RESTRAINT (12 GAUGE SPLAY WIRES OR RIGID BRACING) WITHIN 2" OF INTERSECTION AND SPLAYED 90° APART AT 45° ANGLES SHALL BE PROVIDED AT 12'–0" O.C. IN BOTH DIRECTIONS, STARTING 6'–0" FROM WALLS.
11. FOR CEILINGS LARGER THAN 1000 SQ. FT. COMPRESSION POSTS (STRUTS) SHALL BE PROVIDED AT 12'–0" O.C. IN BOTH DIRECTIONS, STARTING 6'–0" FROM WALLS.
12. SPLAY BRACING CONNECTION STRENGTH TO BE 200 LBS.
13. PARTITIONS SHALL BE BRACED INDEPENDENTLY OF CEILING.
14. A SEISMIC SEPARATION JOINT IS REQUIRED WHEN CEILING AREAS EXCEED 2,500 SQ. FT.
15. CHANGES IN CEILING PLAN ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
16. LIGHT FIXTURES TO BE MECHANICALLY ATTACHED TO GRID PER CEC 410–16 (TWO PER FIXTURE UNLESS INDEPENDENTLY SUPPORTED.)
17. PENDANT–HUNG FIXTURES SHALL BE DIRECTLY SUPPORTED FROM STRUCTURE WITH 9–GAUGE WIRE
18. RIGID LAY–IN OR CAN FIXTURES WEIGHING LESS THAN 10 LBS TO HAVE ONE WIRE TO STRUCTURE ABOVE (MAY BE SLACK)
19. RIGID LAY–IN OR CAN FIXTURES WEIGHING 10 LBS TO 56 LBS SHALL HAVE TWO WIRES FROM HOUSING TO STRUCTURE ABOVE (MAY BE SLACK).
20. RIGID LAY–IN OR CAN FIXTURES WEIGHING MORE THAN 56 LBS SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE WITH 12–GAUGE WIRES.
21. AIR TERMINALS LESS THAN 20 LBS TO BE POSITIVELY ATTACHED TO GRID.
22. AIR TERMINALS 20 TO 56 LBS TO BE POSITIVELY ATTACHED TO GRID AND TWO 12 GAUGE WIRES TO STRUCTURE (MAY BE SLACK).
23. AIR TERMINALS WEIGHING GREATER THAN 56 LBS TO BE DIRECTLY SUPPORTED FROM STRUCTURE WITH FOUR 12 GAUGE WIRES.
24. SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, A SWING JOINT THAT CAN ACCOMMODATE 1" OF CEILING MOVEMENT IN ALL HORIZONTAL DIRECTIONS IS PERMITED TO BE PROVIDED AT THE TOP OF THE SPRINKLER HEAD EXTENSION.
25. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING.
26. PERIODIC SPECIAL INSPECTION OF THE INSTALLATION OF THE SUSPENDED CEILING GRID IS REQUIRED.

9 NTS **SUSPENDED CEILING NOTES**



This set of plans MUST be kept on the job at all times and it is unlawful to make changes or alterations on same without written permission from Building Safety Division, City of Modesto.
REVIEWED FOR CODE COMPLIANCE
DEC 3 0 2014
By_____ Permit No._____
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

5 1/4" **CEILING PLAN DETAIL**

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4574 fax
www.lstreetarchitects.com

LICENSED ARCHITECT ROBERT L. DUNBAR C-4827 RENEWAL 1/31/15 STATE OF CALIFORNIA

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

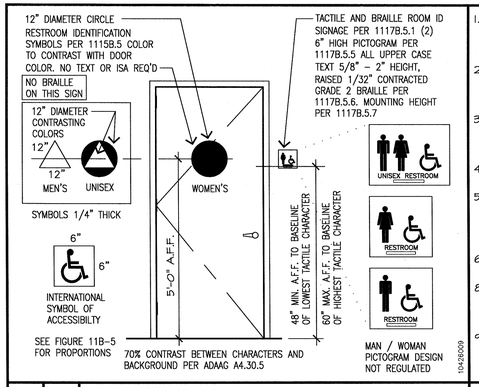
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A23
JOB:	61.216
PRINT DATE:	

DETAILS

A2.3



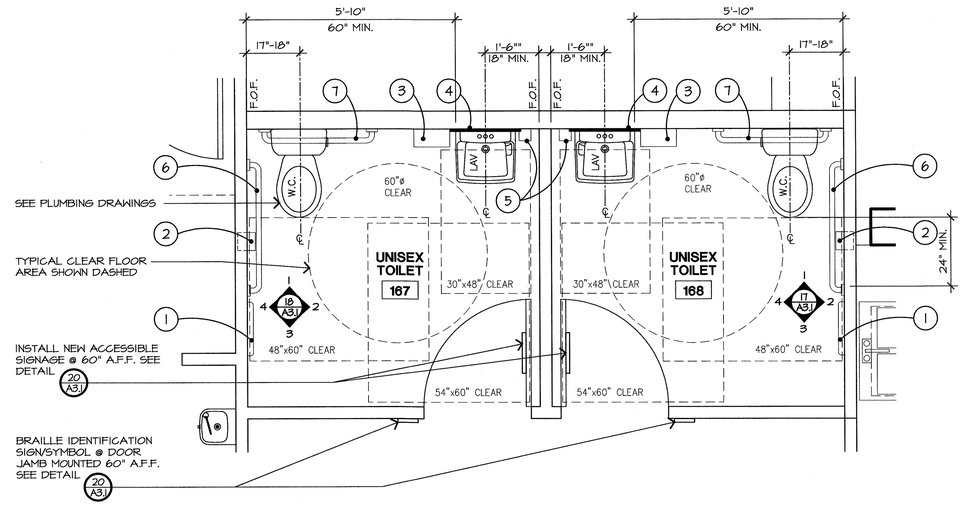
20 N.T.S. RESTROOM SIGNAGE

1. TOILET PARTITION DOOR TO ACCESSIBLE STALL SHALL BE EQUIPPED WITH LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW LATCH ON BOTH SIDES OF DOOR. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. THE PARTITIONS SHALL HAVE A 4" CLEAR SPACE UNDER THE DOORS.
2. WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END AND 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION
3. CONTROLS FOR WATER CLOSET SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS, NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS-FORCE.
4. GRAB BARS SHALL HAVE GRIPPING SURFACES WITH A DIAMETER OF 1-1/4 INCH TO 1-1/2 INCH LOCATED WITH A SPACE BETWEEN THE WALL AND GRAB BAR OF 1-1/2 INCH.
5. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL OR PARTITION CLOSEST TO THE WATER CLOSET 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER, MOUNTED BELOW THE GRAB BAR, WITH THE OUTLET OF THE DISPENSER AT A MINIMUM HEIGHT OF 19 INCHES. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.
6. URINAL SHALL BE ACCESSIBLE WITH A MINIMUM 14 INCHES AND MAXIMUM 17 INCHES RIM PROJECTION, A MAXIMUM 17 INCHES ABOVE THE FLOOR.
8. URINAL FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS-FORCE.
9. LAVATORY FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS-FORCE. LEVER-OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.

16 N.T.S. RESTROOM NOTES

GENERAL NOTES:

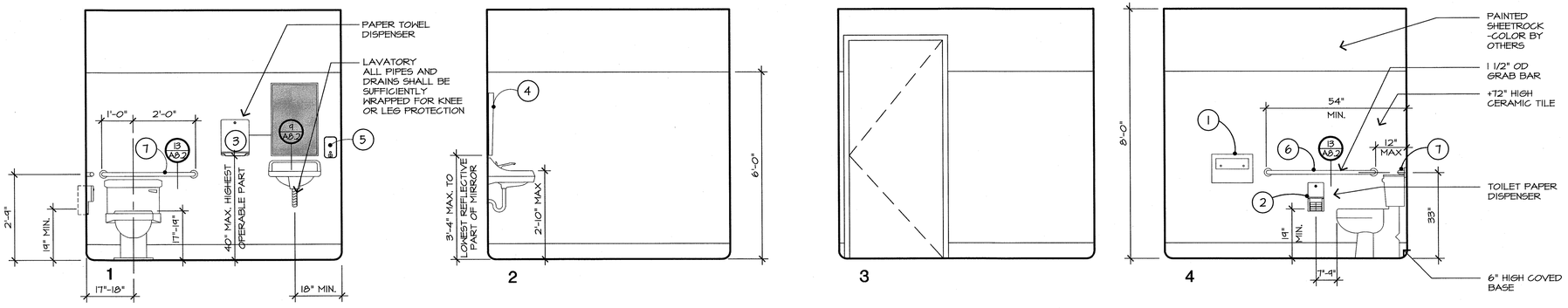
A. FOR INTERIOR FINISHES, SEE FINISH SCHEDULE
B. F.O.F. = FACE OF FINISH
C. SEE 16/A3.1 FOR ADDITIONAL NOTES



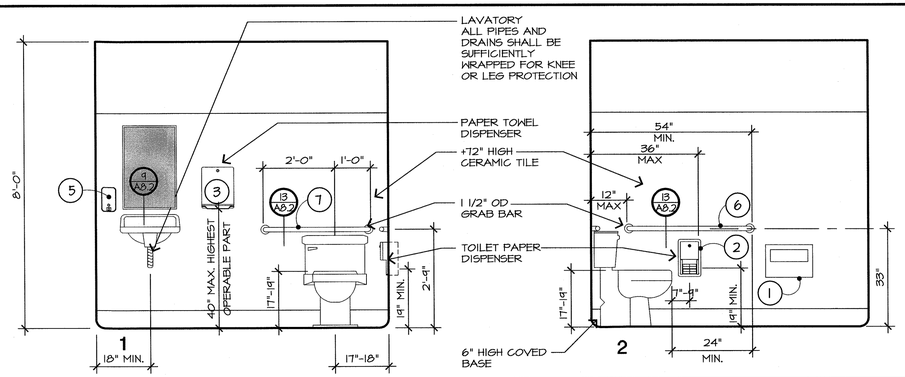
SYM.	ITEM	MODEL	REMARKS
1	TOILET SEAT COVER DISPENSER	"BOBRICK" B-221	SURFACE-MOUNTED DISPENSER. 40" MAX TO OPERABLE AREA IN ACCESSIBLE STALLS
2	TOILET TISSUE DISPENSER	"BOBRICK" B-3888	SEMI-RECESSED DISPENSER
3	PAPER TOWEL DISPENSER	"BOBRICK" B-2620	SURFACE-MOUNTED DISPENSER
4	MIRROR	-	1/4" PLATE FLOAT GLASS MIRROR
5	LIQUID SOAP DISPENSER	"BOBRICK" B-2111	SURFACE-MOUNTED DISPENSER. 40" MAX TO OPERABLE AREA
6	GRAB BAR (SIDE)	"BOBRICK" B-6806x42"	18-GAUGE TYPE 304 STAINLESS STEEL TUBING 1-1/2" DIAMETER
7	GRAB BAR (REAR)	"BOBRICK" B-6806x36"	18-GAUGE TYPE 304 STAINLESS STEEL TUBING 1-1/2" DIAMETER

19 N.T.S. ACCESSORY SCHEDULE

11 1/2" ENLARGED TOILET PLANS



18 1/2" INTERIOR ELEVATIONS - UNISEX TOILET 167



17 1/2" INTERIOR ELEVATIONS - UNISEX TOILET 168

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4574 Fax
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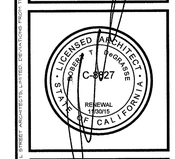

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: G. MEJIA
DATE: 11/06/2014
FILE: 216-A31
JOB: 61.216
PRINT DATE:

ENLARGED TOILET PLANS ELEVATIONS & DETAILS

A3.1

This set of plans MUST be kept on the job at all times and unlawful to make any changes or alterations on same w... written permission from Building Safety Division, City of Modes...
REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____
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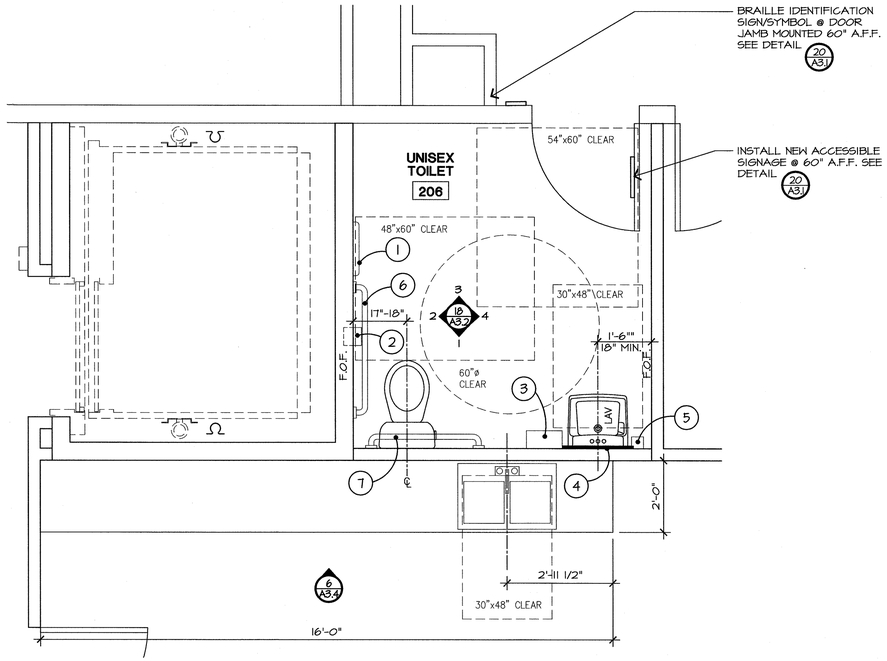
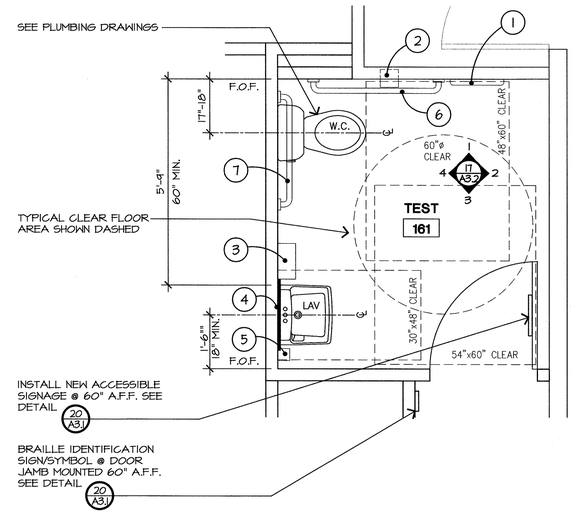
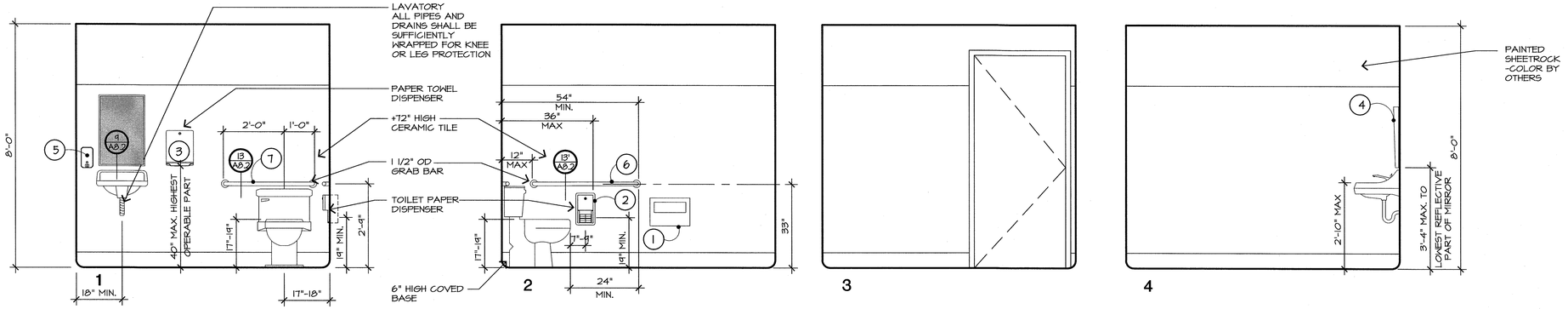


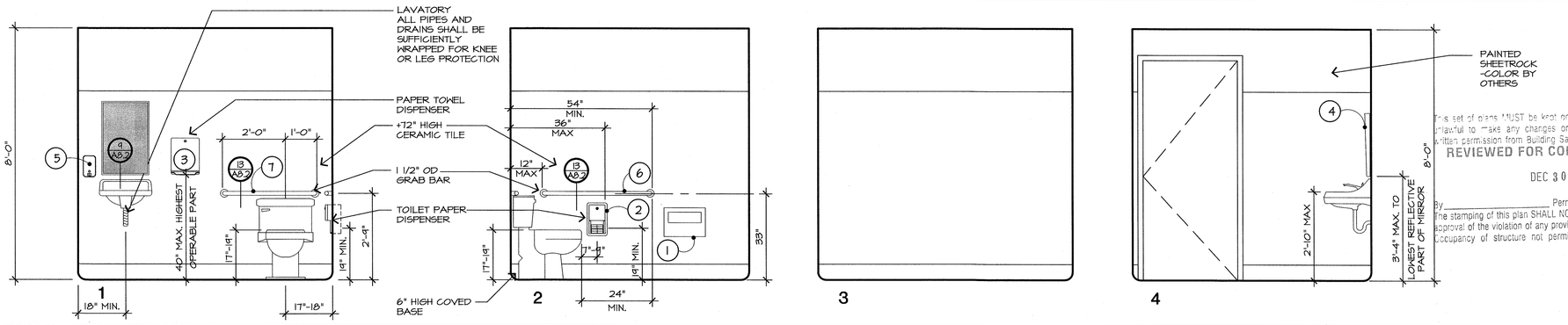
15 1/2" ENLARGED PLAN UNISEX TOILET 206



7 1/2" ENLARGED PLAN TEST 161



18 1/2" INTERIOR ELEVATIONS - UNISEX TOILET 206



17 1/2" INTERIOR ELEVATIONS - TEST 161

GENERAL NOTES:

A. FOR INTERIOR FINISHES, SEE FINISH SCHEDULE
B. F.O.F. = FACE OF FINISH
C. SEE 16/A3.1 FOR ADDITIONAL NOTES

L Street Architects
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1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 fax
www.lstreetarchitects.com

LICENSED ARCHITECT ROBERT L. BRIGGSMORE C-9827 RENEWAL 11/30/15 STATE OF CALIFORNIA

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: G. MEJIA
DATE: 11/06/2014
FILE: 216-A32
JOB: 61.216
PRINT DATE:

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

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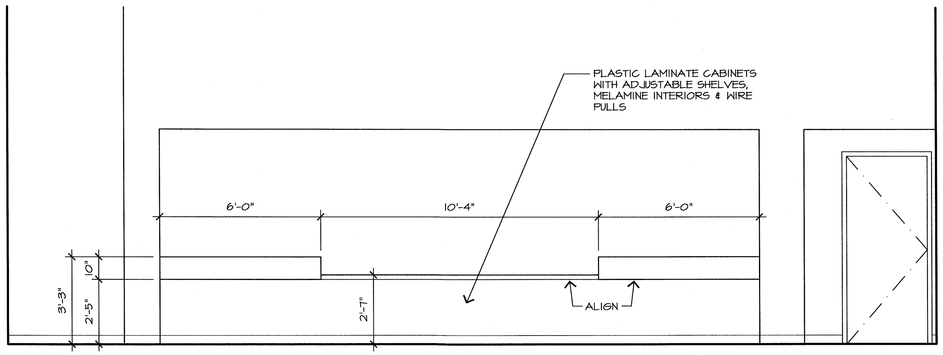
ENLARGED TOILET PLANS ELEVATIONS

A3.2



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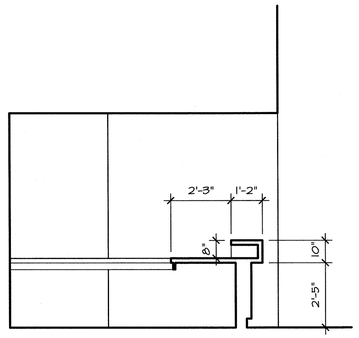

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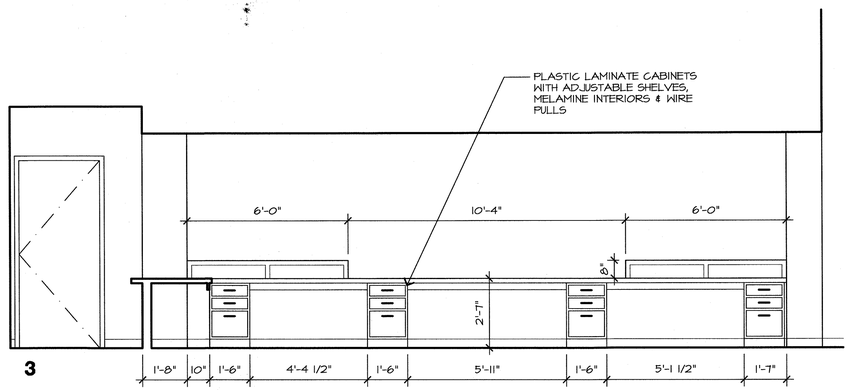

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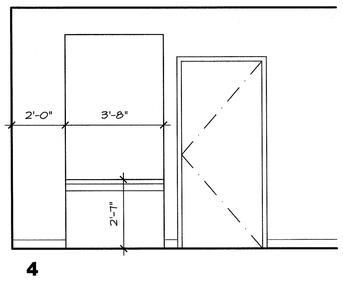
19 | 3/8" | INTERIOR ELEVATIONS - RECEPTION 103



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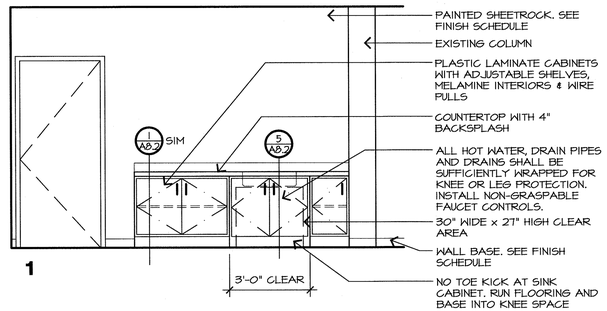
18 | 3/8" | RECEPTION 103 CONT-



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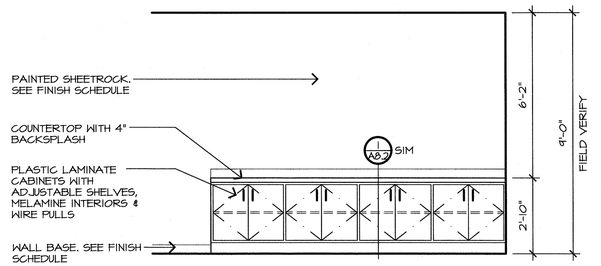
14 | 3/8" | INTERIOR ELEVATIONS - MAIN CONFERENCE 163



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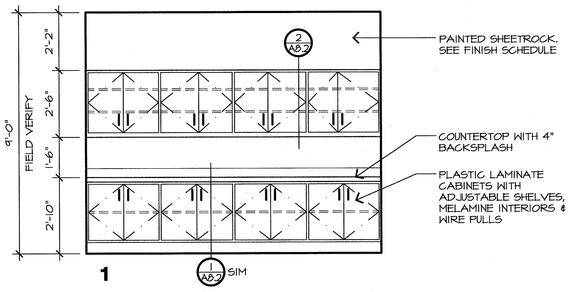
6 | 3/8" | INTERIOR ELEVATIONS - CONFERENCE 117



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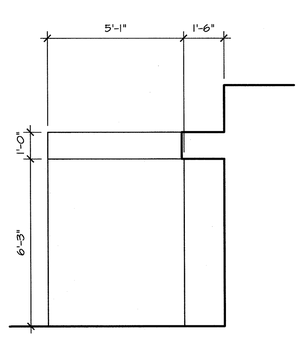
17 | 3/8" | INTERIOR ELEVATIONS - MAIL ROOM 104



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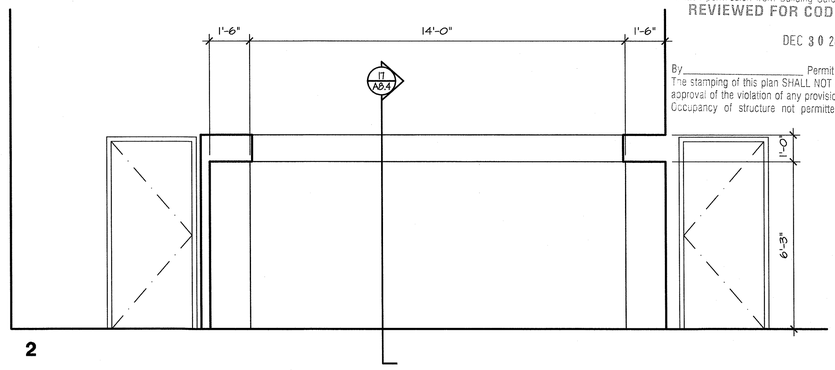

2

9 | 3/8" | INTERIOR ELEVATIONS - MAIL & FILING 105

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1414 L Street
Modesto, California 95354
209-575-1415 209-575-4574 fax
www.lstreetarchitects.com

STATE LICENSED ARCHITECT
MORRIS L. BROWN
RENEWAL 08/2015
RC-8827
CALIFORNIA

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

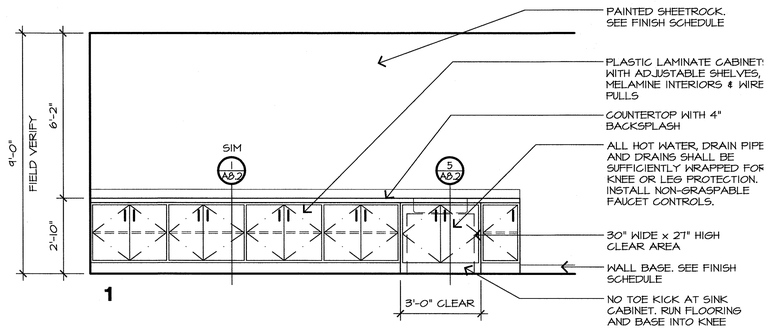
REVISIONS:

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A33
JOB:	61.216
PRINT DATE:	

INTERIOR ELEVATIONS

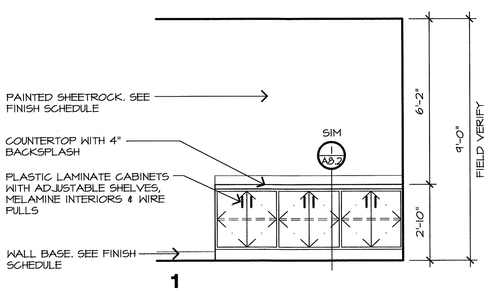
A3.3

20

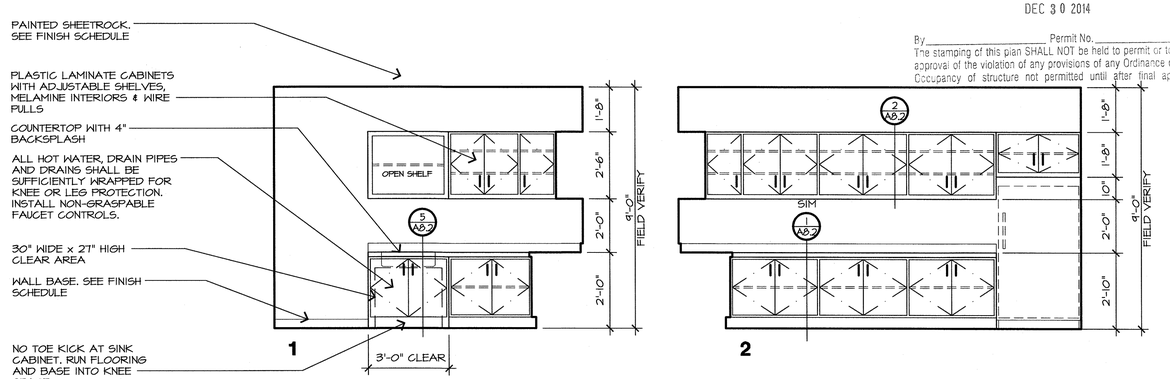


6 | 3/8" | INTERIOR ELEVATIONS - CONFERENCE 205

18



17 | 3/8" | INTERIOR ELEVATIONS - CONFERENCE 166



9 | 3/8" | INTERIOR ELEVATIONS - BREAK ROOM 119

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www.lstreetarchitects.com

STATE OF CALIFORNIA · LICENSED ARCHITECT · ROBERT L. ISAACSON · C-8827 · RENEWAL 11/20/15

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A34
JOB:	61.216
PRINT DATE:	

INTERIOR ELEVATIONS

A3.4

ROOM NUMBER	ROOM NAME	FLOORS			WALLS					CEILINGS			MISCELLANEOUS		ROOM NUMBER
		FLOORING	BASE	REMARKS	NORTH	EAST	SOUTH	WEST	REMARKS	CEILING HEIGHT	CEILING	REMARKS	CABINETS	REMARKS	
101	WAITING ROOM	1	5		-	A	A	A	FURRED WALL AT EXT. WALL	-	3				101
102	KIDS	1	5	AREA RUG BY OWNER	A	A	-	A	FURRED WALL AT EXT. WALL	-	3				102
103	RECEPTION	1	5		A	A	A	-		-	3				103
104	MAIL ROOM	1	5		A	A	A	A		-	3				104
105	MAIL & FILING	2	5		A	-	A	A		-	3				105
106	FINANCE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	1				106
107	HALLWAY	1	5		A	A	A	A		-	3				107
108	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				108
109	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				109
110	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				110
111	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				111
112	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				112
113	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				113
114	OFFICE	2	5		A	A	A	A	FURRED WALL AT EXT. WALL	10'-0"	6				114
115	STAIRWAY	1	5		-	-	-	A		10'-0"	1				115
116	ELEVATOR	4	4	NO COVE BASE	F	F	F	F		-	5				116
117	CONFERENCE	2	5		A	A	A	A		10'-0"	1				117
118	GENERAL OFFICE	1	5		A	A	A	A		-	3				118
119	BREAK ROOM	1	5		A	A	A	A		10'-0"	1				119
120	EQUIPMENT	1	5		C	C	C	C		9'-0"	2				120
121	SERVER / SITE ROOM	8	5		A	D	A	A		9'-0"	2				121
122	(E) JANITOR	7	-		E	E	E	E		-	4				122
123	(E) OFFICE	7	-		E	E	E	E		-	4				123
124	OFFICE	7	-		E	E	E	E		-	4				124
125	INTERVIEW	7	5		A	A	E	E		9'-0"	4				125
126	CUBE	7	4		E	-	A	E		-	4				126
127	(E) OFFICE	7	-		E	E	E	E		-	4				127
128	(E) ENTRY	7	-		E	E	E	E		-	4				128
129	(E) OFFICE	7	-		E	E	E	E		-	4				129
130	CUBES	7	5		E	E	E	-		-	4				130
131	(E) CONFERENCE	7	-		E	E	E	E		-	4				131
132	(E) WORK	7	-		E	E	E	E		-	4				132
133	(E) BREAK ROOM	7	-		E	E	E	E		-	4				133
134	(E) LACT	7	-		E	E	E	E		-	4				134
135	(E) HALLWAY	7	-		E	E	E	E		-	4				135
136	(E) WOMEN'S RESTROOM	7	-		E	E	E	E		-	4				136
137	(E) MEN'S RESTROOM	7	-		E	E	E	E		-	4				137
138	WAREHOUSE	1	-		E	E	C	C		-	4				138
139	HALLWAY	1	5		D	A	A	A		10'-0"	1				139
	(SEE SHEET A4.2 FOR CONT.)														

FLOORS & BASES

1	SEALED & POLISHED CONCRETE
2	CARPET
3	CARPET TILES
4	CERAMIC TILE
5	RUBBER BASE
6	COVED TILE BASE
7	(E) FLOORING TO REMAIN UNCHANGED
8	STATIC DISSIPATIVE FLOORING

WALLS

A	5/8" SHEETROCK (TAPE, TEXTURE & PAINT)
B	CERAMIC TILE WAINSCOT OVER WATER-RESISTANT SHEETROCK TO 72" A.F.F. WITH PAINTED SHEETROCK ABOVE
C	5/8" PLYWOOD - PAINTED
D	(E) FINISH TO REMAIN - PAINT
E	(E) FINISH TO REMAIN UNCHANGED
F	FACTORY FINISH

CEILINGS

1	SUSPENDED CEILING - DONN DX 15/16" 2'x4' T-BAR GRID W/ ARMSTRONG CORTEGA MINIBOARD LAY-IN PANELS (OR EQUAL) COLOR: WHITE. INSTALL BOTTOM OF GRID PER SCHEDULE - PROVIDE SEISMIC BRACES PER DETAILS
2	5/8" SHEETROCK
3	NO CEILING, EXPOSED TO 1/2" SOUND BOARD OVER FRAMING WITH BLACK SCRIM COVERING ABOVE
4	(E) CEILING TO REMAIN UNCHANGED
5	FACTORY FINISH
6	5/8" SHEETROCK WITH SOUND INSULATION ABOVE CEILING

FINISH NOTES:

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3. SMOKE DENSITY OF MATERIALS SHALL BE PER 2013 CBC SECTION 803.1
4. APPLICATION OF CONTROLLED FINISHES SHALL BE IN ACCORDANCE WITH SECTION 803.11 & 805.1 OF THE 2013 CBC
5. ADHESIVES AND PAINTS SHALL BE LOW VOC

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REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____
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1414 L Street
Modesto, California 95354
209-575-1415 209-575-4574 Fax
www.lstreetarchitects.com

STATE OF CALIFORNIA - LICENSED ARCHITECT - REGISTERED PROFESSIONAL
C-8827
RENEWAL 08/31/2015

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: G. MEJIA
DATE: 11/06/2014
FILE: 216-A41
JOB: 61.216
PRINT DATE:

FINISH SCHEDULE GROUND FLOOR

A4.1

ROOM NUMBER	ROOM NAME	FLOORS			WALLS					CEILINGS			MISCELLANEOUS		ROOM NUMBER
		FLOORING	BASE	REMARKS	NORTH	EAST	SOUTH	WEST	REMARKS	CEILING HEIGHT	CEILING	REMARKS	CABINETS	REMARKS	
140	I.T. DEPARTMENT	1	5		A	A	D	A		10'-0"	1				140
141	STORAGE	1	5		A	A	A	A		8'-0"	2				141
142	OFFICE	2	5		A	A	D	A		10'-0"	1				142
143	STORAGE	1	5		A	A	D	A		8'-0"	2				143
144	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				144
145	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				145
146	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				146
147	HALLWAY	1	5		-	A	D	A		10'-0"	1				147
148	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				148
149	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				149
150	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				150
151	COUNSELING ROOM	2	5		A	A	D	A		10'-0"	6				151
152	COUNSELING ROOM	2	5		A	A	D	A		10'-0"	6				152
153	COUNSELING ROOM	2	5		A	A	A	A		10'-0"	6				153
154	MEETING ROOM	2	5		A	A	A	A		10'-0"	6				154
155	MAIN STREET	1	5		E/A	A	A	A		10'-0"	1				155
156	HALLWAY	1	5		-	A	D	A		10'-0"	1				156
157	OFFICE	2	5		A	A	A	A		10'-0"	6				157
158	OFFICE	2	5		A	A	A	A		10'-0"	6				158
159	OFFICE	2	5		A	A	A	A		10'-0"	6				159
160	STORAGE	1	5		A	A	A	A		10'-0"	2				160
161	TEST	4	6		B	B	B	B		9'-0"	2				161
162	COAT	1	5		A	A	A	A		10'-0"	2				162
163	MAIN CONFERENCE	3	5		A	A	D	A		12'-0"	1				163
164	HALLWAY	1	5		A	A	A	A		10'-0"	1				164
165	SUPPLIES	1	4		A	A	A	A		10'-0"	1				165
166	CONFERENCE	3	5		A	A	A	A		10'-0"	1				166
167	UNISEX RESTROOM	4	6		B	B	B	B		9'-0"	2				167
168	UNISEX RESTROOM	4	6		B	B	B	B		9'-0"	2				168
169	HALLWAY	1	4		A	A	A	A		10'-0"	1				169
	SECOND FLOOR														
201	HALLWAY	2	5		A	A	A	-	GUARDRAIL @ OPEN WALL	-	3				201
202	ELEVATOR	2	-		F	F	F	F		-	5				202
203	CONFERENCE	2	5		A	A	A	A		9'-0"	1	10'-0" IF POSSIBLE			203
204	VISTA	2	5		A	-	A	-		9'-0"	3				204
205	CONFERENCE	2	5		A	A	A	A		10'-0"	1				205
206	UNISEX RESTROOM	4	6		B	B	B	B		9'-0"	2				206
207	STORAGE	2	5		A	A	A	A		9'-0"	2				207
208	GENERAL OFFICE	7	-		E	-	E	E		-	4				208
209	GENERAL OFFICE	7	-		E	-	E	E		-	4				209
210	OPEN OFFICE	7	-		E	-	E	E		-	4				210
211	FILES	7	-		E	E	E	-		-	4				211

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1	SEALED & POLISHED CONCRETE
2	CARPET
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LICENSED ARCHITECT
RENEWAL 11/30/15
C-28927
CALIFORNIA

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: G. MEJIA
DATE: 11/06/2014
FILE: 216-A42
JOB: 61.216
PRINT DATE:

FINISH SCHEDULE GROUND & SECOND FLOOR

A4.2

DOOR NUMBER	SIZE DOOR	SIZE TYPE	DOOR MATERIAL	DOOR FACE	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	RATING	REMARKS	HARD-WARE GROUP	DOOR NUMBER
101.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY		CARD READER WITH PANIC HARDWARE	5	101.1
101.2	(E) PR-3070								INSTALL PANIC HARDWARE	5	101.2
103.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	103.1
104.1	3070-DUTCH	B	SC	WOOD	PAINT	TIMELY	FACTORY			1	104.1
104.2	3070-DUTCH	B	SC	WOOD	PAINT	TIMELY	FACTORY			1	104.2
106.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			1	106.1
107.1	(E) PR-3070								INSTALL PANIC HARDWARE	5	107.1
108.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	108.1
109.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	109.1
110.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	110.1
111.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	111.1
112.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	112.1
113.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	113.1
114.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	114.1
117.1	PR-3070	D	SC	WOOD	STAIN	TIMELY	FACTORY			4	117.1
118.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	118.1
118.2	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	118.2
119.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	119.1
120.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	120.1
121.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	121.1
125.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			1	125.1
128.1	(E) PR-3070								CARD READER WITH PANIC HARDWARE	5	128.1
132.1	(E) 3070								INSTALL PANIC HARDWARE	5	132.1
138.1	3070	C	SC	STEEL	PAINT	METAL	PAINT			1	138.1
139.1	(E) 3070								CARD READER WITH PANIC HARDWARE	5	139.1
140.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			1	140.1
141.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	141.1
142.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	142.1
143.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	143.1
144.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	144.1
145.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	145.1
146.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	146.1
148.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	148.1
149.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	149.1
150.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	150.1
151.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	151.1
152.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	152.1
153.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	153.1
154.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			2	154.1
157.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	157.1
158.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	158.1
159.1	3070	E	SC	WOOD	STAIN	TIMELY	FACTORY			1	159.1
160.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	160.1
161.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			3	161.1
162.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	162.1
163.1	(E) PR-3070								INSTALL PANIC HARDWARE	5	163.1
164.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY		INSTALL PANIC HARDWARE	5	164.1
165.1	3070	B	SC	WOOD	STAIN	TIMELY	FACTORY			1	165.1
166.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	166.1
166.2	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	166.2
167.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			3	167.1
168.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			3	168.1
169.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	169.1
169.2	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			1	169.2
	2ND FLOOR										
203.1	3070	A	SC	WOOD	STAIN	TIMELY	FACTORY			2	203.1
205.1	PR-3070	F	SC	WOOD	STAIN	TIMELY	FACTORY			4	205.1
206.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			3	206.1
207.1	3070	C	SC	WOOD	STAIN	TIMELY	FACTORY			1	207.1

HARDWARE LISTED ARE FROM THE FOLLOWING MANUFACTURERS

CAL-ROYAL LOCKS	C
HAGER HINGE COMPANY	H
LETTERLAND SIGN COMPANY	L
GRANT	G
NORTON CLOSURERS	N
QUALITY HARDWARE	Q
REESE ENTERPRISES	R
SCHLAGE LOCK COMPANY	S
PEMKO	P
SARGENT	SA
Kaba Ilco Corp.	K

GROUP #1 -

1 1/2 PR BB1279 4-1/2 x 4-1/2	613	H
1 EA. GNC00 LOCKSET	613	C
1 EA. W302PT WALL STOP	613	Q

GROUP #2 -

1 1/2 PR BB1279 4-1/2 x 4-1/2	613	H
1 EA. GNC30 PASSAGE SET	613	C
1 EA. W302PT WALL STOP	613	Q

GROUP #3 -

1 1/2 PAIR BB1279 4 1/2"x4 1/2"	613	H
1 EA. CGN20 APPOLO PRIVACY	613	C
1 EA. 8501 BF CLOSER	613	N
1 EA. 33IES FLOOR STOP	613	Q
1 EA. SIGN H.C. TOILETS - BLUE	613	L

GROUP #4 -

3 PAIR BB1279 4-1/2 x 4-1/2	613	H
1 SET FB-8 FLUSH BOLTS	613	G
1 EA. LX00 LOCKSET	613	C
1 EA. LX40 DUMMY TRIM	613	C
2 EA. 8501 BF CLOSER	613	N
2 EA. W302PT WALL STOP	613	Q

GROUP # 5

1 1/2 PR BB1279 4 1/2 X 4 1/2	613	H
1 EA. SIMPLEX 5031	613	K
1 EA. 8501 BF CLOSER	613	N
1 EA. 144 FLOOR STOP	613	Q
1 PANIC HARDWARE 10 8800 F LESS TRIM x 827	613	SA

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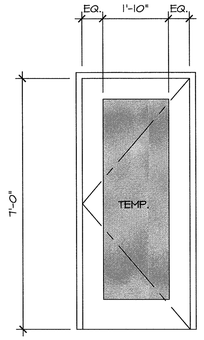
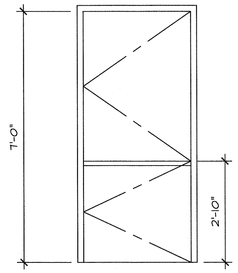
DOOR NOTES:

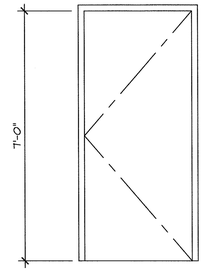
1. SUBMIT FINAL HARDWARE GROUPING TO ARCHITECT FOR REVIEW
2. ALL EXIT DOORS ARE OPENABLE FROM THE INSIDE WITHOUT KEY, OR SPECIAL KNOWLEDGE OR EFFORT.
3. ALL DOORS SHALL HAVE ACCESSIBLE HARDWARE - LEVER TYPE WHERE APPLICABLE.
4. THRESHOLDS: 1/2" MAXIMUM WITH 1:2 BEVELED EDGE
5. THE BOTTOM 10" OF DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE ON THE PUSH SIDE TO ALLOW OPENING BY A WHEELCHAIR FOOTREST
6. MAXIMUM DOOR OPENING EFFORTS:
   5.0 POUNDS @ EXTERIOR
   5.0 POUNDS @ INTERIOR
7. REUSE EXISTING DOORS WHERE POSSIBLE. REFINISH DOORS WITH STAIN AND HARDWARE TO MATCH EXISTING
8. REQUIRED FIRE-RESISTIVE OPENINGS SHALL BE SELF-CLOSING WITH SMOKE AND DRAFT CONTROL ASSEMBLIES.
9. FLOOR MOUNTED DOOR STOPS TO BE INSTALLED 4" MAX. FROM FACE OF WALL OR PARTITIONS.
10. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FORM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM PER CBC 11B-404.2.8.1
11. FIELD VERIFY CONDITION OF EXISTING DOORS, FRAMES & HARDWARE. REUSE EXISTING THAT ARE IN GOOD CONDITION WHERE POSSIBLE. SEE DEMOLITION PLAN FOR REFERENCE.



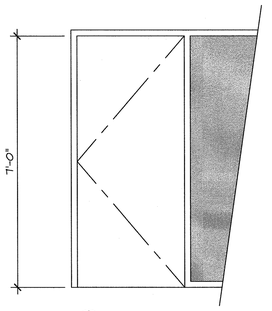
(A) INT. DOOR



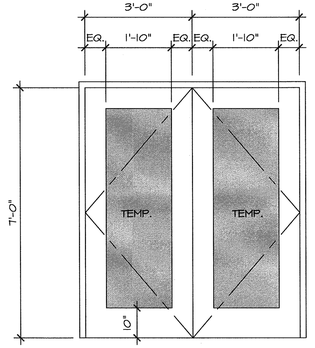
(B) INT. DUTCH DOOR



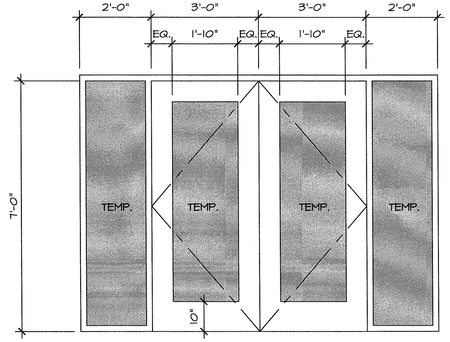
(C) INT. DOOR



(E) INT. DOOR



(F) INT. DOORS



(D) INT. DOORS

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LICENSED ARCHITECT
RICHARD L. STREET
C-8827
RENEWAL 11/30/15
STATE OF CALIFORNIA

CENTER FOR HUMAN SERVICES

PROPOSED TENANT IMPROVEMENT FOR:
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

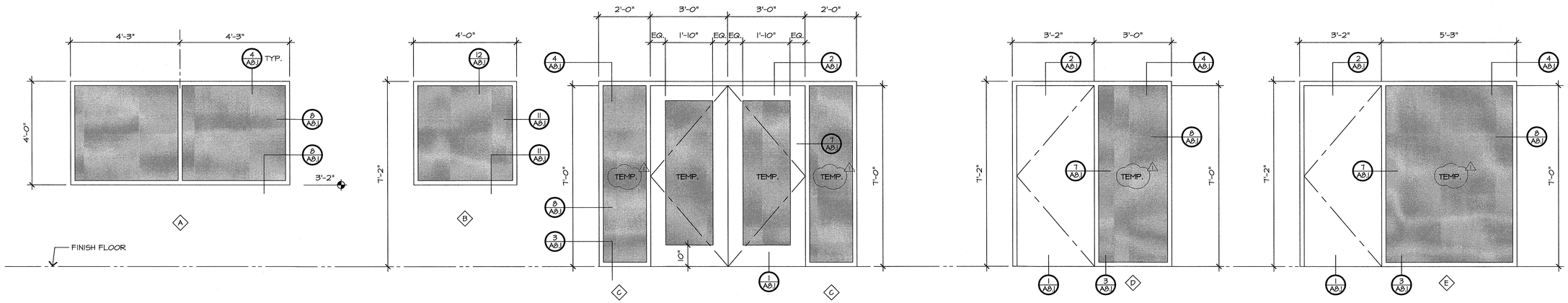
REVISIONS:
1 12/09/14 BLDG. REV

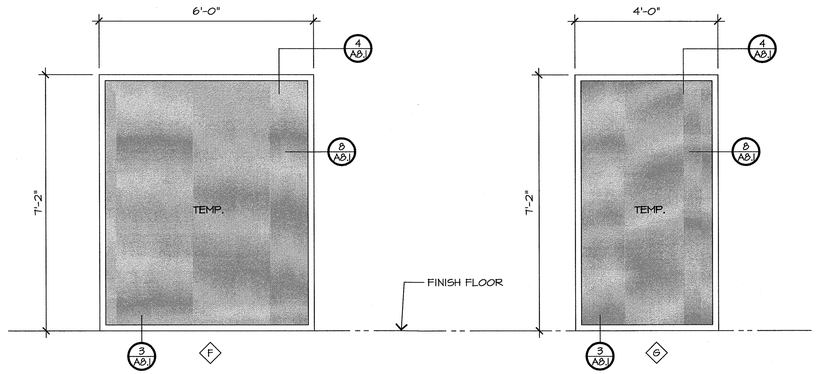
DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A43
JOB:	61.216
PRINT DATE:	

DOOR SCHEDULE GROUND & 2ND FLOOR

A4.3

THESE PLANS AND SPECIFICATIONS, AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF L STREET ARCHITECTS LIMITED WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF L STREET ARCHITECTS LIMITED. ANY UNAUTHORIZED USE OF THESE PLANS AND SPECIFICATIONS SHALL BE AT THE SOLE RISK AND LIABILITY OF THE PARTY USING OR MODIFYING THE PLANS AND SPECIFICATIONS.





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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

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17 | 1/2" | **WINDOW SCHEDULE GROUND AND 2ND FLOOR**

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 Fax
www.llstreetarchitects.com

STATE OF CALIFORNIA · LICENSED ARCHITECT · ROBERT L. DEHAVEN · C-18877 · RENEWAL 08/31/15

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

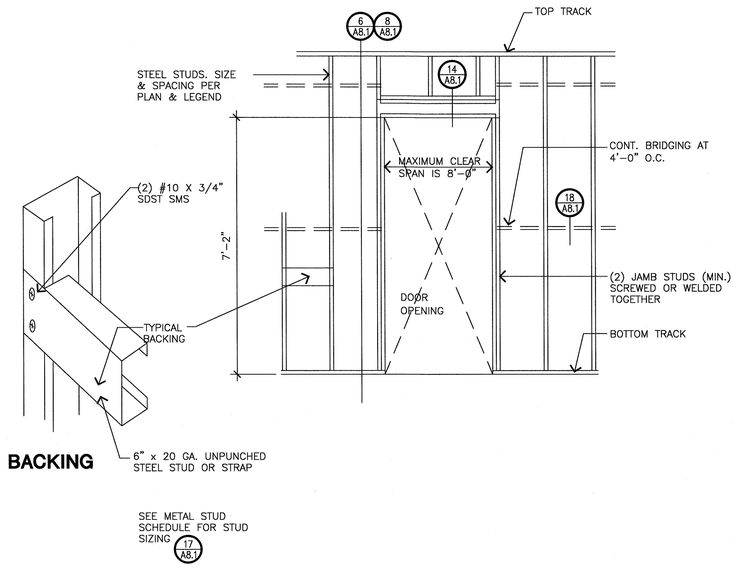
2000 W. BRIGGSMORE SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:
△1 12/09/14 BLDG. REV

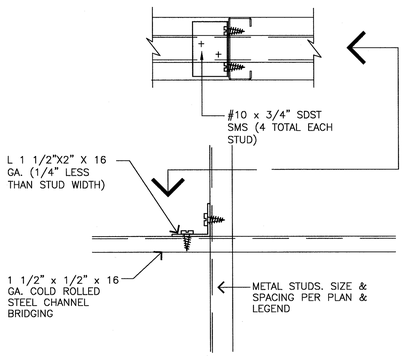
DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A44
JOB:	61.216
PRINT DATE:	

WINDOW SCHEDULE GROUND 3 2ND FLOOR

A4.4



19 N.T.S. **TYPICAL METAL STUD FRAMING**



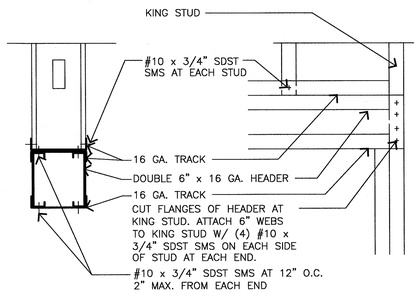
18 3" **WALL BRIDGING**

METAL STUD SCHEDULE	
MAX. HT OF WALL	STUD SIZE
14'-4"	3 5/8" X 25 GA.
16'-5"	3 5/8" X 20 GA.
18'-0"	3 5/8" X 18 GA.
19'-7"	3 5/8" X 16 GA.
20'-0"	3 5/8" X 14 GA.

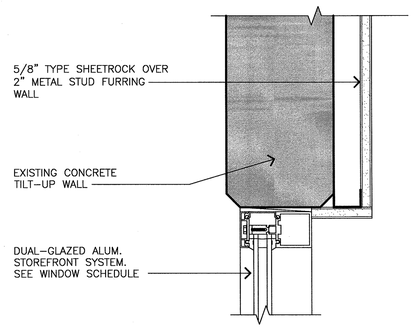
NOTES:

1. ATTACH STUDS TO SLIP TRACK AND TRACK W/ ONE NO. 12-14 SCREW EA. MTL STUD FLANGE. (4 SCREWS TOTAL EA. MTL. STUD)
2. ATTACH SHEET ROCK TO METAL STUDS W/ #6-20X1" BUGLE HEAD TYPE S-12 SCREW. SPACE SCREWS AT 6" O.C. AT EDGES AND 12" O.C. IN FIELD.
3. STUDS SPACED AT 16" O.C.
4. MAX WALL HEIGHT: 5 PSF AT L/240
5. STEEL 33 KSI EXCEPT 16 GA. & 14 GA. 50 KSI

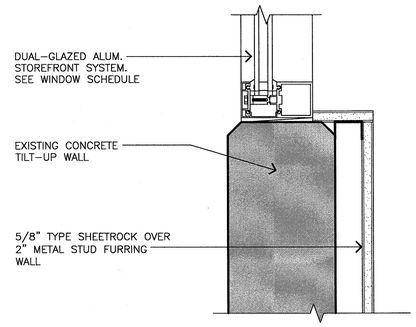
17 N.T.S. **METAL STUD SCHEDULE**



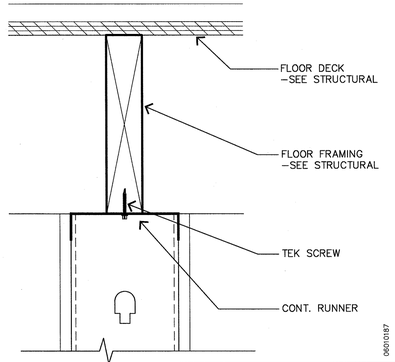
14 1 1/2" **FRAMING @ HEADER**



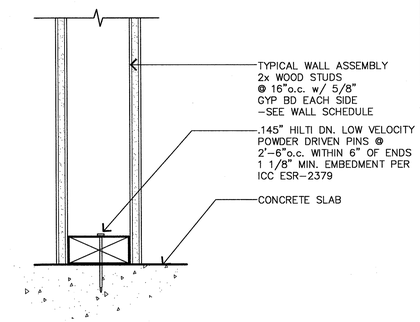
12 3" **STOREFRONT WIN. HEAD**



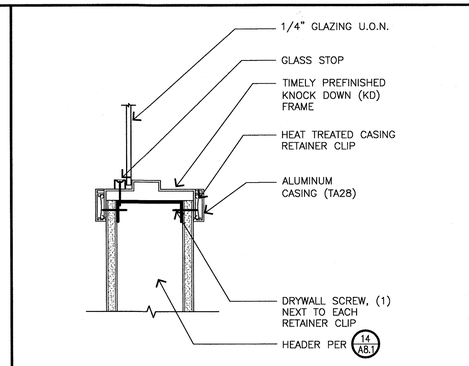
11 3" **STOREFRONT WIN. JAMB/SILL**



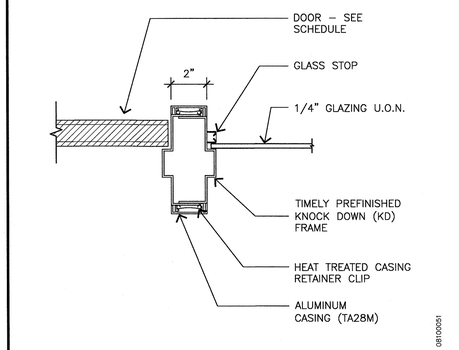
10 3" **WALL @ FLOOR DECK**



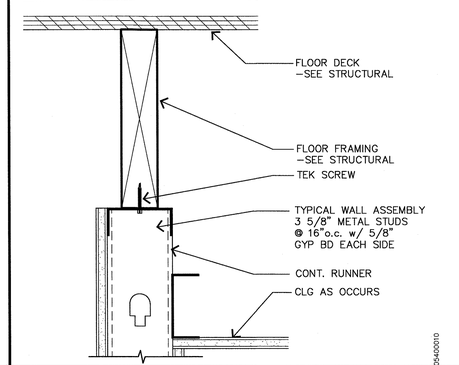
9 3" **PARTITION @ SILL**



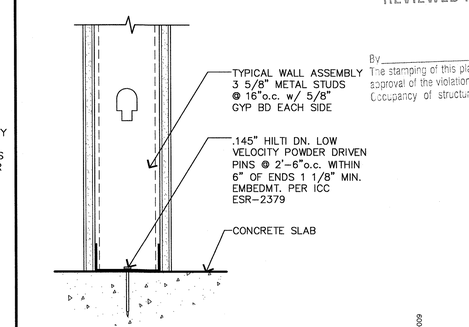
8 3" **TIMELY LITE @ JAMB/SILL**



7 3" **TIMELY MULLION**



6 3" **PARTITION @ CLG**



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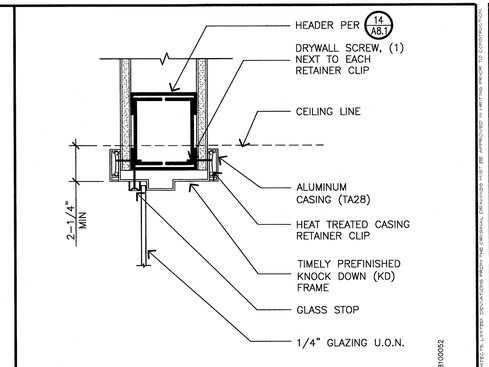
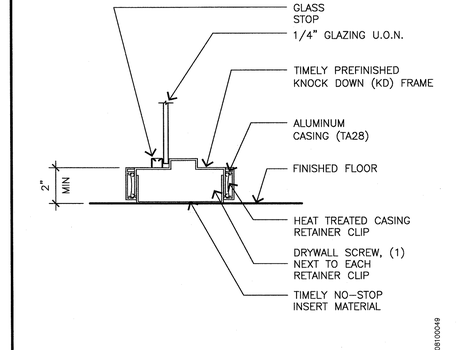
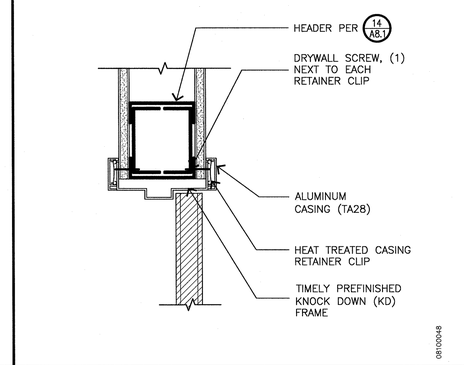


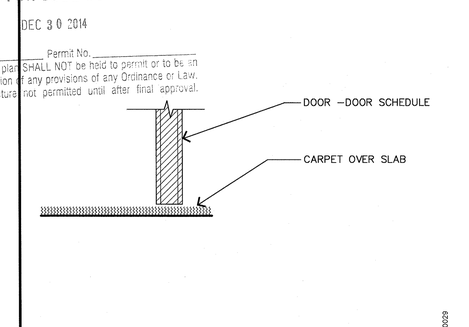
4 3" **TIMELY LITE @ HEAD**



3 3" **TIMELY SILL**



2 3" **INTERIOR DR FRAME**



1 3" **DOOR SILL**

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REVIEWED FOR CODE COMPLIANCE
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STATE OF CALIFORNIA - LICENSED ARCHITECT - ROBERT J. DEMAREE - C-8827 - RENEWAL 08/31/15

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

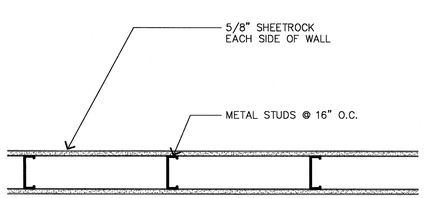
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

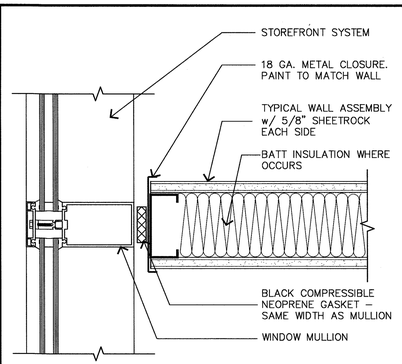
DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A81
JOB:	61.216
PRINT DATE:	

DETAILS

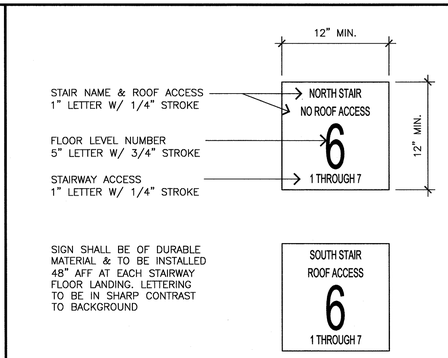
A8.1



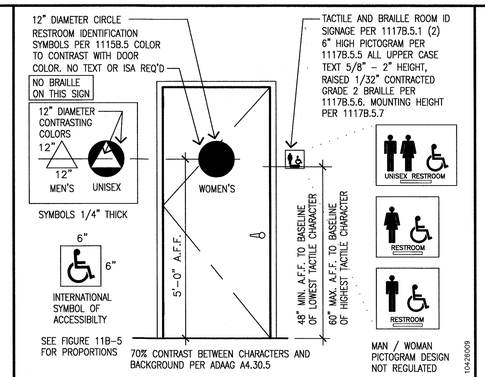
20 | 1 1/2" | **TYPICAL WALL**



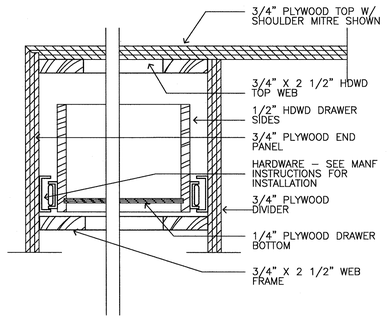
16 | 3" | **PARTITION @ WIN MULLION**



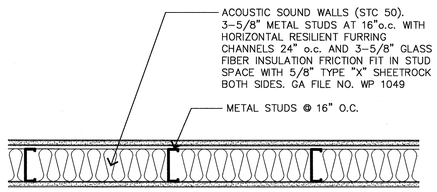
13 | NTS | **STAIRWELL ID SIGN**



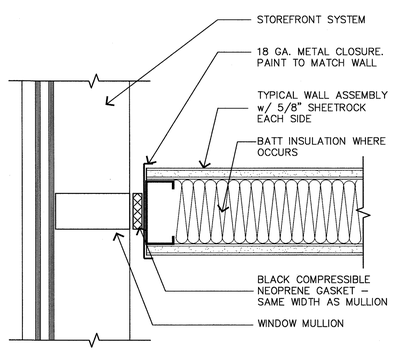
8 | N.T.S. | **TOILET ROOM SIGNAGE**



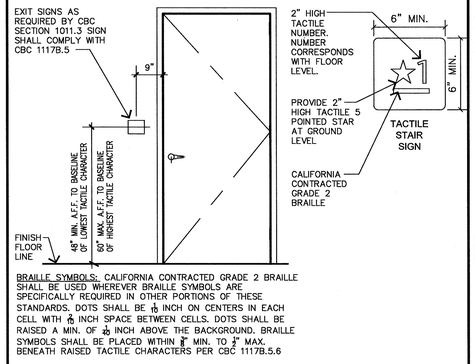
4 | 3" | **DRAWER SECTION**



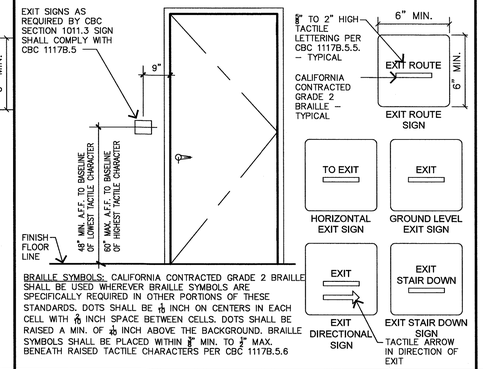
19 | 1 1/2" | **ACOUSTIC WALL**



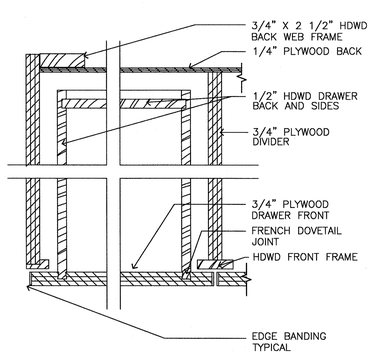
15 | 3" | **PARTITION @ GLAZING**



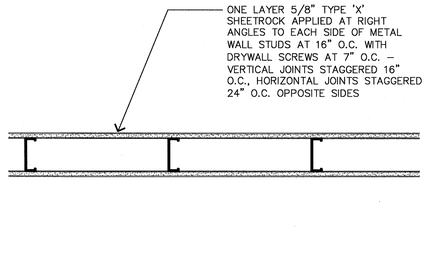
11 | N.T.S. | **TACTILE STAIR SIGN**



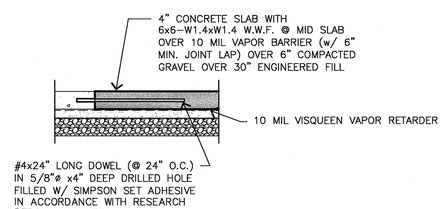
7 | N.T.S. | **BRAILLE EXIT SIGNAGE**



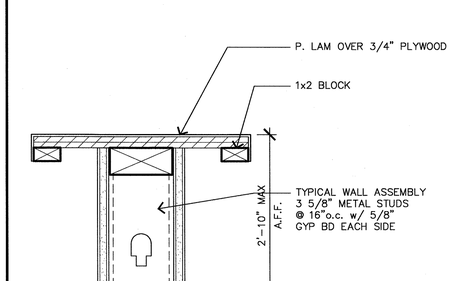
3 | 3" | **DRAWER PLAN**



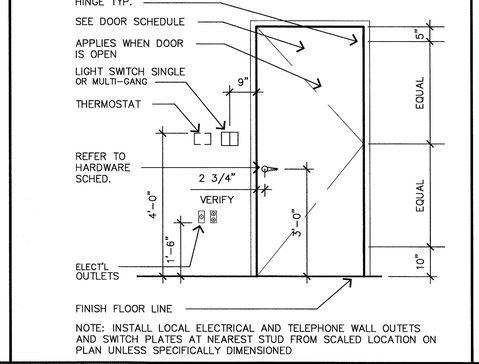
18 | 1 1/2" | **ONE HOUR RATED WALL**



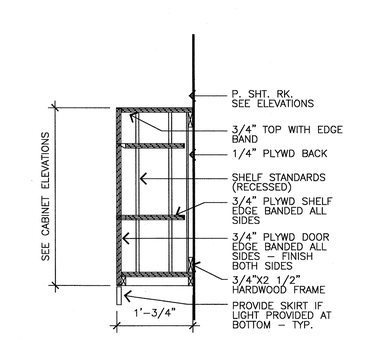
14 | 3/4" | **SLAB REPLACEMENT**



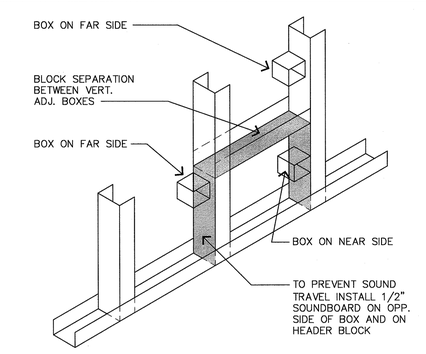
10 | 3" | **SUPPLIES COUNTER**



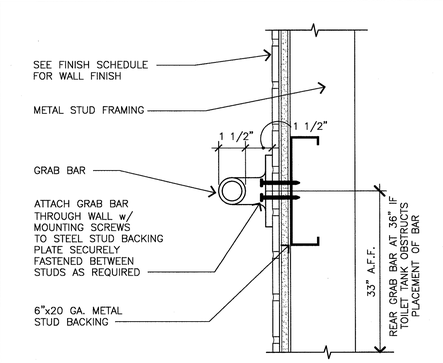
6 | 1 1/2" | **INSTALLATION HEIGHTS**



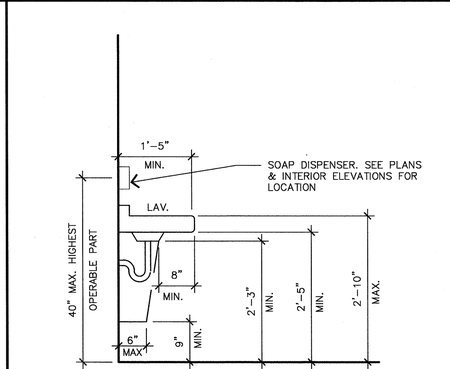
2 | N.T.S. | **WALL CABINET DETAIL**



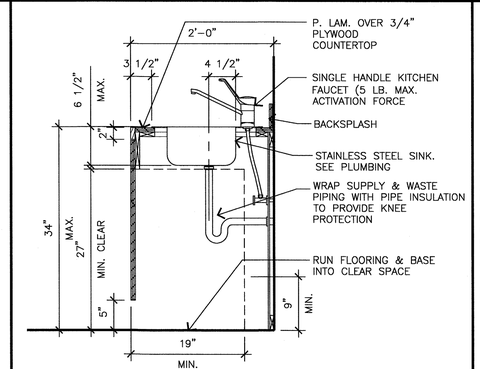
17 | 3" | **OUTLETS AT SOUND WALL**



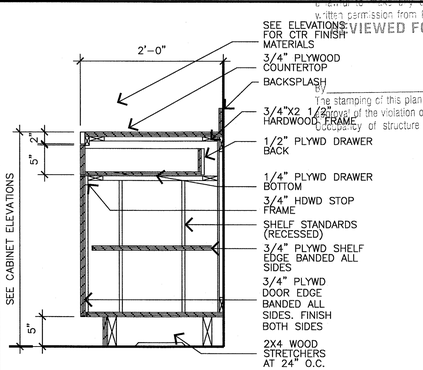
13 | 3" | **GRAB BAR**



9 | 3/4" | **SINK DETAIL**



5 | 1" | **SINK CABINET**



1 | N.T.S. | **BASE CABINET**

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 Fax
www.lstreetarchitects.com

STATE OF CALIFORNIA · LICENSED ARCHITECT · ROBERT D. BRUMMETT · C-18827 · RENEWAL 7/2015 · CALIFORNIA

HUMAN SERVICES CENTER FOR

PROPOSED TENANT IMPROVEMENT FOR:
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

This plan MUST be kept at the job at all times and is subject to stop any changes without written permission from Building Safety Division, City of Modesto.
REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
Permit No.
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted after final of MEJIA

DRAWN:	MEJIA
DATE:	11/06/2014
FILE:	216-A82
JOB:	61.216
PRINT DATE:	

DETAILS

A8.2

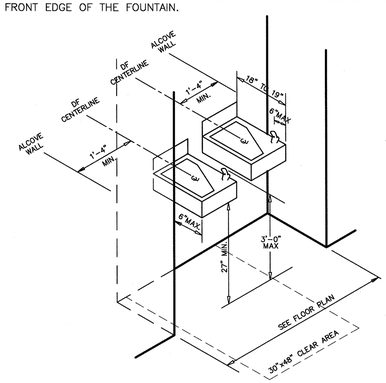
20

WATER FOUNTAINS (DRINKING)

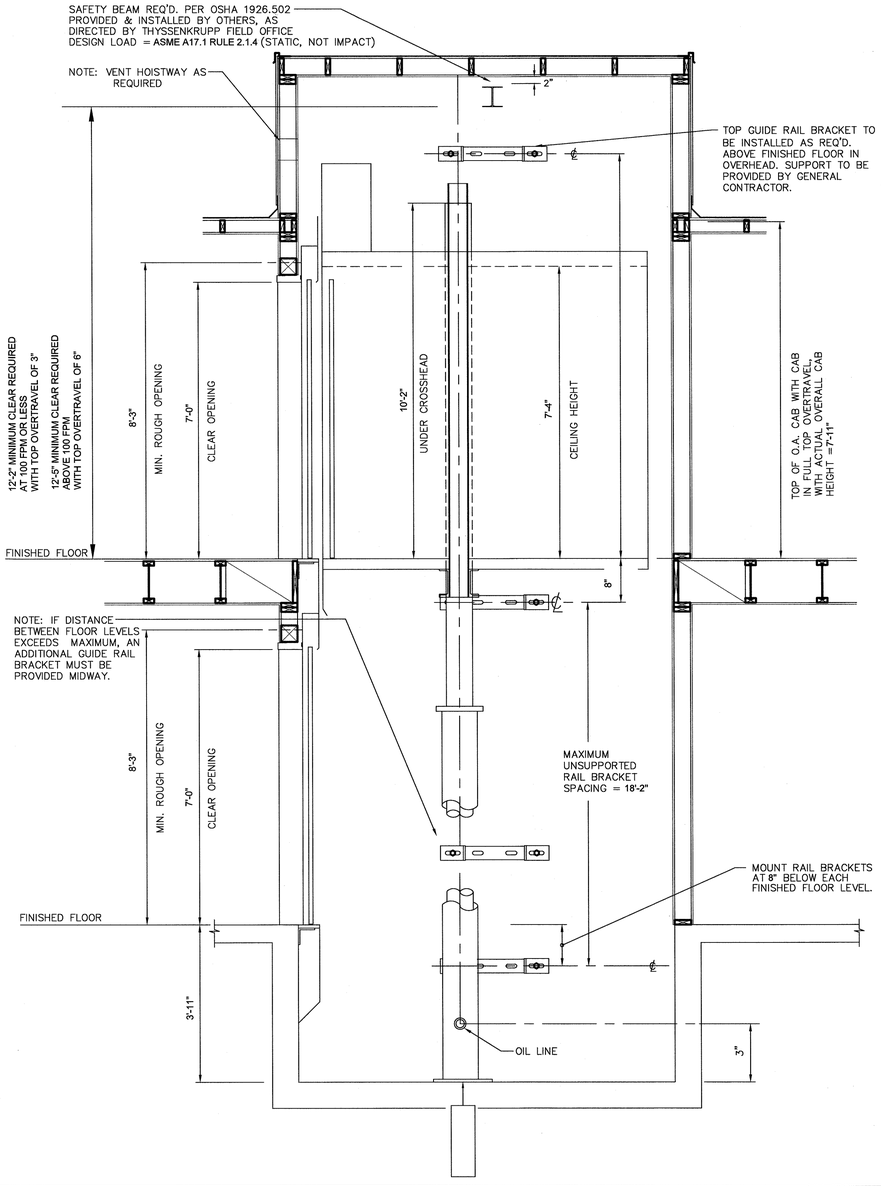
1. WATER FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL BE NOT LESS THAN 32 INCHES IN WIDTH AND 18 INCHES IN DEPTH. THE DRINKING FOUNTAIN SHALL BE A BETWEEN 18 INCHES & 19 INCHES IN DEPTH AND THERE SHALL BE A CLEAR AND UNOBSTRUCTED SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27 INCHES IN HEIGHT 30 INCHES IN WIDTH AND 8 INCHES IN DEPTH, THE DEPTH MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN. ADDITIONALLY, THERE SHALL BE TOE CLEARANCE 9 INCHES IN HEIGHT ABOVE THE FLOOR AND 17" FROM THE FRONT EDGE OF THE DRINKING FOUNTAIN. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE.

2. THE BUBBLER SHALL BE MANUALLY ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A PERSON WITH DISABILITIES SUCH AS A HAND-OPERATED LEVER TYPE CONTROL LOCATED WITHIN 6 INCHES OF THE FRONT OF THE FOUNTAIN, A PUSH BAR CONTROL ALONG THE FRONT OF THE DRINKING FOUNTAIN, ETC. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN AND SHALL BE WITHIN 36 INCHES OF THE FLOOR.

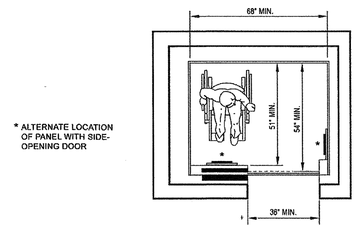
3. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4 INCHES HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. WITH A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3 INCHES OF THE FRONT EDGE OF THE FOUNTAIN.



18 | N.T.S. | DF CLEARANCES & NOTES

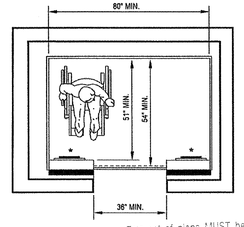


14 | N.T.S. | TYPICAL ELEVATOR SECTION



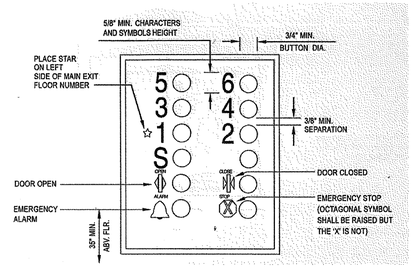
* ALTERNATE LOCATION OF PANEL WITH SIDE-OPENING DOOR

(a) SIDE OPENING DOOR



* ALTERNATE LOCATION OF PANEL WITH CENTER-OPENING DOOR

(b) CENTER OPENING DOOR



4 | N.T.S. | CONTROL PANEL DETAIL

T-8 set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.

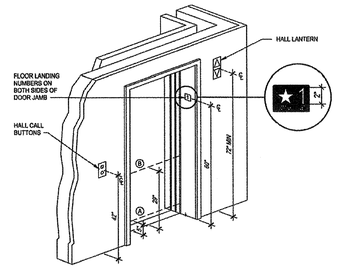
REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

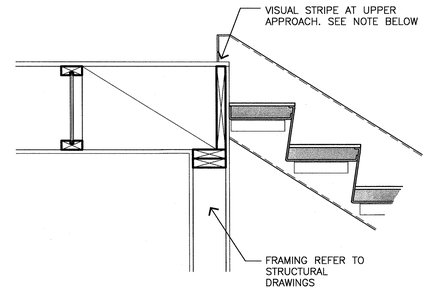
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

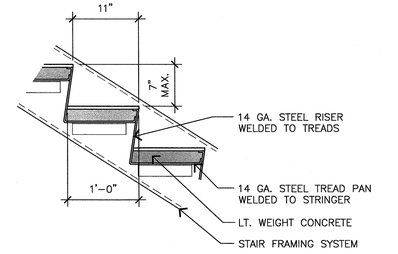
7 | N.T.S. | ELEVATOR CAR DIMENSIONS

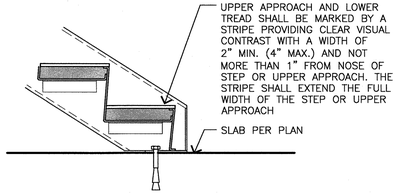


6 | N.T.S. | ELEVATOR ENTRANCE

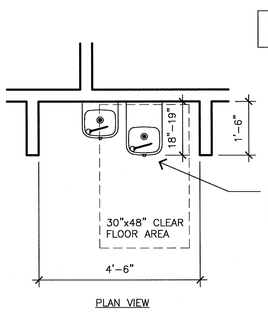
3 | N.T.S. | ELEVATOR CONTROL PANEL



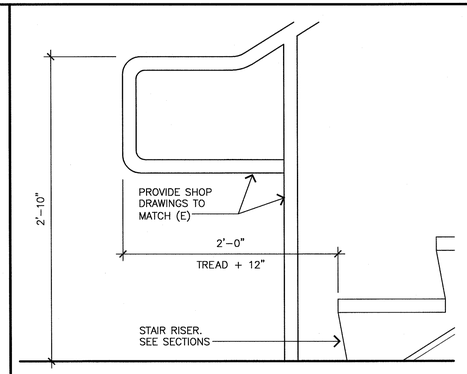




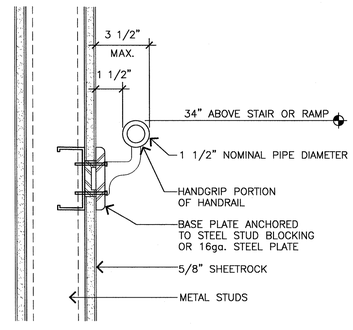
1 | 1" | STAIRWAY DETAILS



17 | 1/2" | HIGH-LOW ACCESSIBLE DRINKING FOUNTAINS



9 | 1 1/2" | HANDRAIL DETAIL



8 | 3" | HANDRAIL DETAIL

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 fax
www.lstreetarchitects.com

LICENSED ARCHITECT
RENEWAL 11/30/15
C-8827
STATE OF CALIFORNIA

HUMAN SERVICES

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR

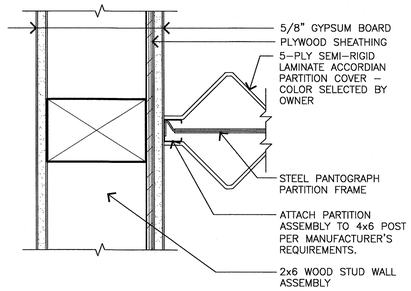
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

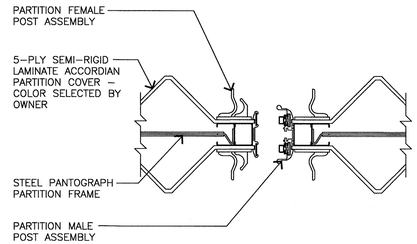
DRAWN:	G. MEJIA
DATE:	11/06/2014
FILE:	216-A83
JOB:	61.216
PRINT DATE:	

DETAILS

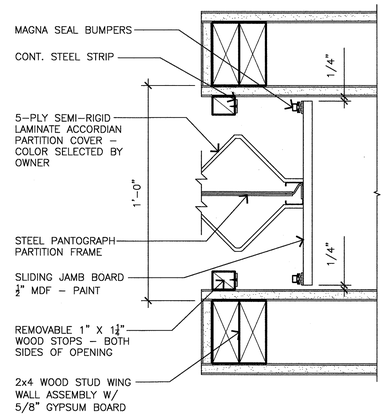
A8.3



8 | 3" | **PARTITION DETAIL**



7 | 3" | **PARTITION DETAIL**



3 | 3" | **PARTITION DETAIL**

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REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____
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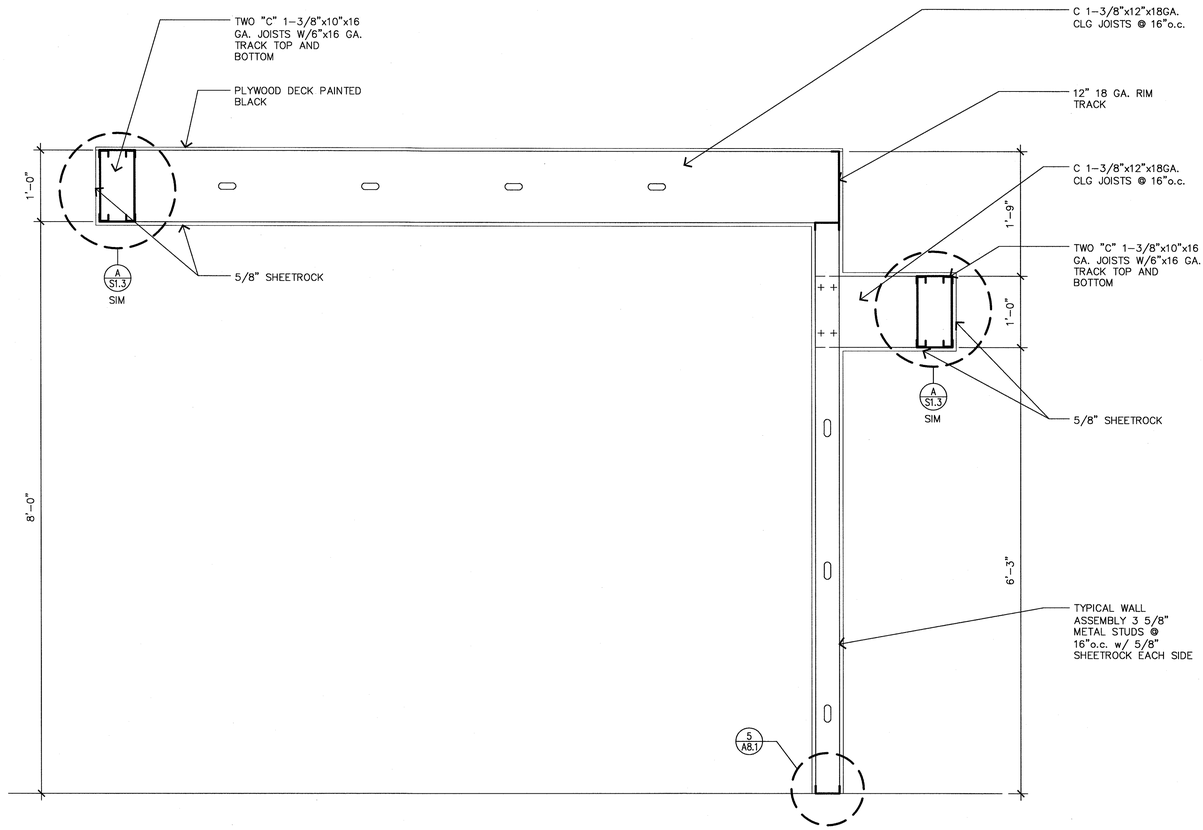


17 | 1" | **SOFFIT DETAIL**

HUFCOR

4500 ACCORDION PARTITIONS

PRODUCT SPECIFICATIONS:

SERIES: 4500 STC: 45 WEIGHT: 5.1 LBS. / SQ. FT.

COVER CONST'N: SEMI–RIGID 5–PLY LAMINATED CONSTRUCTION WHICH PROVIDE WRINKLE–FREE IMPACT RESISTANT SURFACES. STEEL STRIPS AND FIBERGLASS ARE LAMINATED TO EACH FOLD FOR ACOUSTICAL PURPOSES. COVERS ARE REMOVABLE AND REPLACEABLE IN THE FIELD. COLOR MATCHED NYLON FASTENERS REQ'D.

INTERNAL FRAME: ELECTRO–GALVANIZED, HALF HARD STEEL RIVITED TO FORM "X" CONSTRUCTION PANTOGRAPHS LOCATED AT TOP AND BOTTOM PLUS INTERMEDIATE PANTOGRAPHS AS REQ'D. STEEL STOPS PREVENT OVER EXTENDING.

POSTS: INTERNAL STEEL CHANNELS SUPPORT PANTOGRAPHS AT EACH END OF THE PARTITION.

SEALS: 5–PLY SWEEP STRIPS TOP AND BOTTOM BOTH SIDES OF PARTITION.

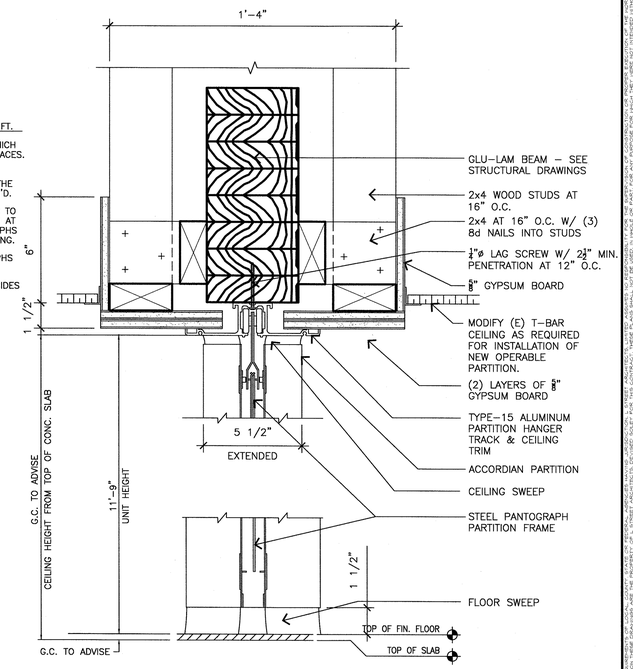
HANDLES: CLEAR ANODIZED EXTRUDED ALUMINUM.

SURFACE: HIGHLAND VINYL – COLOR SELECTED BY OWNER

CARRIERS: 1 3/8" DIA. NYLON WHEELS ON STEEL BALL BEARING AXLES.

TRACK: TYPE 15 CLEAR ANODIZED EXTRUDED ALUMINUM.

OPTIONS: (2) TYPE B INTERMEDIATE POSTS



5 | 3" | **ACCORDIAN PARTITION SECTION**

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 Fax
www.lstreetarchitects.com

LICENSED ARCHITECT ROBERT L. STARK C-8827 RENEWAL 11/30/15 CALIFORNIA

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: G. MEJIA
DATE: 11/06/2014
FILE: 216-A84
JOB: 61.216
PRINT DATE:

DETAILS

A8.4

I. GENERAL

A ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE (CBC) 2013 EDITION, AND ALL OTHER PUBLICATIONS LISTED.

B ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ALL CONTRACT DOCUMENTS AND SPECIFICATIONS.

C DETAILS SHOWN ON THE STRUCTURAL DRAWINGS ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.

D DIMENSIONS SHOWN SHALL TAKE PRECEDENCE OVER SCALE ON THE PLANS, SECTIONS AND DETAILS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.

E NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

F CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON ROOF OR FLOOR FRAMING MEMBERS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD.

G REVIEW OF THE SHOP DRAWINGS BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR WILL REMAIN RESPONSIBLE FOR ALL ERRORS OF DETAILING, FABRICATION AND FOR THE CORRECT FITTING OF ALL STRUCTURAL MEMBERS INCLUDING COORDINATION OF ALL TRADES.

H ALL DETAIL CHANGES DESIRED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING. SHOP DRAWING SUBMITTALS DO NOT CONSTITUTE CHANGES IN WRITING UNLESS ACCOMPANIED BY A LETTER INDICATING ALL PROPOSED CHANGES. ALL SUCH CHANGES SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS.

I ALL WORK IS TO BE PERFORMED IN COMPLIANCE WITH THESE CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER IMMEDIATELY. REQUIRED REVISED DESIGNS TO CORRECT DEFICIENCIES OR DEVIATIONS SHALL BE PREPARED BY THE DESIGN ARCHITECT OR ENGINEER FOR REVIEW AND APPROVAL BY THE BUILDING INSPECTION DEPARTMENT AT THE CONTRACTOR'S EXPENSE. ALL CORRECTIVE WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE APPROVED REVISED CONSTRUCTION DOCUMENTS.

II. SITE PREPARATION

A FOUNDATION DESIGN: SOIL BEARING PRESSURE: 1500 PSF FOR FOUNDATIONS IN NATIVE SOIL.

III. CONCRETE

A GENERAL: ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI MANUAL OF CONCRETE PRACTICE AND THE CBC.

B REINFORCING MATERIAL:

1 DEFORMED ASTM A615, GRADE 40 (#4 BARS AND SMALLER)
GRADE 60 (#5 BARS AND LARGER)

2 WELDED WIRE FABRIC, ASTM A185 – PROVIDE FROM SHEETS ONLY – ROLLED FABRIC PROHIBITED.

C CONCRETE STRENGTH:

PSI @ 28 DAYS	MAX AGG	MAX SLUMP
SLAB 3000	3/4"	4"
FTGS 3000	1 1/2"	4"

SPECIAL INSPECTION OF CONCRETE IS NOT REQUIRED – 3000 PSI CONCRETE IS SPECIFIED AND REQUIRED HOWEVER ALL CONCRETE DESIGNS ARE BASED ON 2500 PSI (MAX) – CBC SECTION 1704.4 EXCEPTIONS 1 & 2

D ADMIXTURES: ONLY AS APPROVED BY THE ENGINEER.

E WELDING OF INSERTS: ALL WELDING OF REINFORCING STEEL SHALL BE WITH LOW-HYDROGEN ELECTRODES IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE AMERICAN WELDING SOCIETY (A.W.S D1.4–05).

F LAP SPLICES: 48 BAR DIAMETERS FOR GRADE 60 REINFORCING OR 32 BAR DIAMETERS FOR GRADE 40 REINFORCING.

G COVER TO BARS: UNLESS OTHERWISE SHOWN OR NOTED, COVER TO REINFORCING BARS SHALL BE AS STATED PER CBC SECTION 1907.7.1

H CONCRETE CURING: KEEP CONCRETE CONTINOUSLY WET FOR 7 DAYS (MEMBRANE CURING) AS APPROVED BY THE ENGINEER.

I FORM REMOVAL: SIDE OF FOOTINGS AND SLABS ON GRADE, MINIMUM 2 DAYS.

J VIBRATION: VIBRATE ALL CONCRETE IN PLACE WITH A MECHANICAL VIBRATOR USED BY EXPERIENCED PERSONNEL.

K TESTING: IN ACCORDANCE WITH ACI 318–08, CHAPTER 16.

IV. STRUCTURAL STEEL AND MISCELLANEOUS METALS

A GENERAL: ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE "WELDING CODE" (A.W.S D1.1–08).

B MATERIALS:

1 STRUCTURAL STEEL – ASTM A36

2 STRUCTURAL TUBING – ASTM A500, GRADE B

3 STEEL PIPE – ASTM A53

4 BASE PLATES AND CONNECTION PLATES – A36

5 NUTS AND BOLTS – ASTM A307

6 WELDING ROD – HEAVILY COATED, CONFORMING WITH A.W.S. "SPECIFICATION FOR ARC WELDING ELECTRODES" OF CLASSIFICATION NUMBERS SUITABLE TO THE WORK TO BE DONE. USE LOW-HYDROGEN ELECTRODES FOR WELDING OF REINFORCING BARS.

C STEEL STUDS AND JOISTS:

1 GRADES: ASTM 446 GRADE D (50 KSI),
ASTM 448 GRADE A (33 KSI)

2 GALVANIZED COATING FOR STUDS, TRACK AND JOISTS ARE TO BE ASTM A653 OR ASTM A525.

3 SCREWS: #10 WAFER HEAD SCREWS (USE LENGTH APPROPRIATE TO TASK).

D OPEN WEB STEEL JOISTS (TRUSSES)

1 OPEN WEB STEEL JOISTS ARE TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH SJI'S "RECOMMENDED CODE OF STANDARD PRACTICE OF STEEL JOISTS AND JOIST GIRDERS".

2 SEE DRAWINGS FOR LOADING CRITERIA.

3 DESIGN OF OPEN WEB JOISTS SHALL BE UNDER THE DIRECT SUPERVISION OF A CALIFORNIA REGISTERED CIVIL ENGINEER. SEALED AND WET SIGNED DESIGN CALCULATIONS AND DRAWINGS SHALL HAVE OWNER'S REVIEW PRIOR TO START OF MANUFACTURE.

4 MANUFACTURER AND ERECTOR ARE RESPONSIBLE FOR BRIDGING, TEMPORARY BRACING, AND COORDINATION OF THE JOISTS, JOIST GIRDERS, AND BRIDGING CONNECTIONS.

E SHOP DRAWINGS: SUBMIT FOR ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON.

V. STRUCTURAL WOOD

A MATERIALS:

1 FOUNDATION SILLS, NAILERS, AND LEDGERS IN DIRECT CONTACT WITH CONCRETE OR MASONRY AND WITHIN 6 FEET OF THE GROUND: PRESERVATIVE TREATED DF #1 OR BETTER.

2 ALL 4x AND 6x POSTS AND COLUMNS: DF #1 OR BETTER.

3 ALL OTHER 6x MEMBERS: DF #1 OR BETTER

4 ALL OTHER 2x AND 4x FRAMING MEMBERS: DF #2 OR BETTER.

5 ALL 2x, 4x, AND 6x MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF "IN SERVICE USE".

6 PLYWOOD: EACH PANEL SHALL BE IDENTIFIED WITH THE GRADE TRADEMARK OF THE APA. NOTE: THE PRESSURE TREATED SILL PLATES ARE CORROSIVE THEREFORE ALL PLYWOOD NAILING INTO THE PRESSURE TREATED SILL PLATES IS TO BE HOT DIPPED GALVANIZED.

WALL PLY: 3/8" CD–EXT. GLUE 24/0
FLOOR PLY: 3/4" CD–EXT. GLUE 48/24
ROOF PLY: 15/32" CD–EXT. GLUE 32/16

OPT: O.S.B. – SEE (G / S1.2)

B PARALLAM BEAMS:

1 ALL PARALLAM 2.0E PSL BEAMS SHALL BE I.C.C. APPROVED AND BE FABRICATED BY "I LEVEL BY WEYERHAEUSER" CORPORATION.

2 STRESSES: BENDING – Fb = 2900 PSI
MODULUS OF ELASTICITY – E = 2000 KSI
COMPRESSION PERPENDICULAR TO GRAIN – Fc = 650 PSI
HORIZONTAL SHEAR – Fv = 290 PSI

C GLUED–LAMINATED BEAMS:

1 COMBINATION 24F–V4 (UNLESS NOTED OTHERWISE): ALL LAMINATIONS ARE TO BE DF MATERIAL.

2 STRESSES: BENDING (24F–V4) – Fb = 2400 PSI IN BOTTOM FACE & 1850 PSI IN TOP FACE; BENDING (24F–V8) – Fb = 2400 PSI IN BOTH FACES; COMPRESSION PERPENDICULAR TO GRAIN – Fc = 650 PSI.

3 APPEARANCE: INDUSTRIAL GRADE (ARCHITECTURAL GRADE WHERE EXPOSED).

4 FABRICATION: IN STRICT ACCORDANCE WITH CBC SECTION 2303.1 AND AITC 117–04. MANUFACTURING AND DESIGN ARE TO ASSURE THAT QUALITY MATERIALS AND WORKMANSHIP HAVE BEEN USED, FURNISH AN AITC. CERTIFICATE OF CONFORMANCE TO THE ENGINEER AND THE BUILDING DEPARTMENT FOR EACH LOT OF MEMBERS FABRICATED AND DELIVERED TOGETHER.

5 STANDARD CAMBER IS BASED ON A 1600 FOOT RADIUS

D PRESERVATIVE TREATMENT: TREAT ALL WOOD BELOW A HEIGHT OF 6 FEET THAT IS IN DIRECT CONTACT WITH OR EMBEDDED IN CONCRETE OR MASONRY, INCLUDING SILLS, NAILERS, LEDGERS, WOOD GROUNDS, BLOCKING AND OTHER WOOD, WITH CHEMONITE, OR APPROVED EQUAL, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CBC SECTION 2303.1 (TREAT ENDS OF PRESSURE TREATED SILLS WHERE SILLS ARE CUT). PRESSURE TREATED LUMBER IS CORROSIVE TO STEEL PRODUCTS. ALL NAILING, BOLTING AND STEEL PLATING THAT ARE IN DIRECT CONTACT WITH THE PRESSURE TREATED SILL PLATE ARE TO BE HOT DIPPED GALVANIZED. ALL "SIMPSON" METAL FASTENERS AND CONNECTORS COMING IN CONTACT WITH THE PRESSURE TREATED SILL PLATE ARE TO BE "Z MAX" GALVANIZED BY THE MANUFACTURER. (OPTION: GALVANIZED NAILING AND CONNECTORS ARE NOT REQUIRED IF SILL PLATES WITH "DISODIUM OCTABORATE TERRAHYDRATE (DOT)" PRESSURE TREATING CHEMICALS ARE USED – COORDINATE WITH THE PROJECT STRUCTURAL ENGINEER IF "DOT" TREATED SILL PLATES ARE TO BE USED).

E MACHINE BOLTS AND LAG BOLTS:

1 BOLTS AND NUTS: ASTM A307

2 WASHERS: A STANDARD CUT WASHER SHALL BE PROVIDED AT EACH BOLT HEAD AND NUT PLACED NEXT TO WOOD. PROVIDE MALLEABLE IRON WASHERS (MIW) OR STEEL PLATE WASHERS WHERE INDICATED ON THE DRAWINGS.

3 BOLT HOLES: MAXIMUM 1/16" LARGER THAN BOLTS ACCURATELY LOCATED. OVERSIZED OR SLOTTED HOLES ARE NOT PERMITTED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

4 LAG BOLTS: LEAD HOLES FOR THE THREADED PORTION SHALL BE 75% OF THE SHANK DIAMETER WITH A DEPTH EQUAL TO THE LENGTH OF THE BOLT, AND LEAD HOLE FOR THE UNTHREADED PORTION SHALL BE EQUAL TO THE DIAMETER AND LENGTH OF THE SHANK.

5 ALL BOLTS COMING IN CONTACT WITH THE PRESSURE TREATED SILL PLATES ARE TO BE HOT DIPPED GALVANIZED.

F NAILED JOINTS: COMMON WIRE NAILS OR SPIKES. FOR MINIMUM REQUIREMENTS REFER TO THE TYPICAL NAILING SCHEDULE. ALL NAILS COMING IN CONTACT WITH THE PRESSURE TREATED PLATES OR OTHER PRESSURE TREATED MEMBERS ARE TO BE HOT DIPPED GALVANIZED.

G MISC. METAL CONNECTORS: ALL SHEET METAL CONNECTORS USED FOR CONNECTING STRUCTURAL WOOD MEMBERS SHALL HAVE CBC AND ICC APPROVAL AND BE 'SIMPSON STRONG–TIE' CONNECTORS OR EQUAL APPROVED BY THE ENGINEER. ALL CONNECTORS SHALL BE GALVANIZED OR PROVIDED WITH APPROVED CORROSION PROTECTIVE PAINT. ALL CONNECTORS OR FASTENERS USED THAT ARE TO BE IN CONTACT WITH THE PRESSURE TREATED PLATES OR OTHER PRESSURE TREATED MEMBERS ARE TO BE "Z MAX" GALVANIZED.

VI. TYPICAL NAILING SCHEDULE

UNLESS OTHERWISE SHOWN OR NOTED, THE GENERAL NAILING REQUIREMENTS SHALL COMPLY WITH CBC CHAPTER 23 AND THE FOLLOWING ADDITIONAL MINIMUM REQUIREMENTS. THE MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE. ALL NAILS USED TO ATTACH TO THE PRESSURE TREATED PLATES ARE TO BE HOT DIPPED GALVANIZED.

TYPICALLY USE 16d NAILS FOR CONNECTING 2x MEMBERS AND 8d OR 10d NAILS FOR CONNECTING 1x MEMBERS WITH A MINIMUM OF 2 NAILS AT EACH JOINT.

SUB–BORE WHEN NAILS TEND TO SPLIT WOOD AND SUB–BORE FOR 20d AND LARGER NAILS (THE DRILL DIAMETER SHALL BE 0.75 x NAIL DIAMETER).

STUDS AND POSTS: (FULL HEIGHT BETWEEN SILL AND TOP PLATE) STUDS TO

SILL OR TOP PLATE ..... 2–16d END NAIL OR 2–10d TOE–NAILS EACH SIDE

4x POST TO SILL ....."SIMPSON" A34 EA SIDE EACH END

6x POST TO SILL ....."SIMPSON" A35 EA SIDE EACH END

ADJACENT STUDS AND POSTS.....16d @ 16"

STUDWALL BLOCKING.....2–16d END NAIL OR 2–10d TOE–NAIL EACH END EACH SIDE

DOUBLE TOP PLATE: (MINIMUM 6'–0" LAPS AT SPLICE)

PLATE TO PLATE .....16d @ 16"

AT ALL INTERSECTIONS.....3–16d AT PLATE LAP

AT TYPICAL SPLICES.....ADDITIONAL 10–16d EACH SIDE OF SPLICES UNLESS NOTED OTHERWISE (REFER TO FRAMING PLANS & DETAILS)

JOIST TO TOP PLATE OR
TRUSS TO BEAM.....2–16d TOE–NAIL EACH SIDE (PROVIDE FRAMING CLIPS WHERE INDICATED IN DRAWINGS)

JOIST BLOCKING: (MIN 2x BLKG FULL DEPTH OF JOIST; TYPICAL @ ALL SUPPORTS AND AS INDICATED ON DRAWINGS)

BLOCKING TO JOIST.....2–16d END NAIL OR 2–10d TOE–NAIL EACH SIDE

BLOCKING TO PLATE.....3–16d TOE–NAIL (UNLESS NOTED OTHERWISE – REFER TO THE FRAMING DETAILS)

HEADERS AND BEAMS (UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS):

TO TOP OF POST....."SIMPSON" AC SERIES POST CAPS

TO SIDE OF POST....."SIMPSON" HH SERIES

COMMON WIRE NAIL SCHEDULE:

PENNYWEIGHT	NAIL LENGTH	NAIL DIAMETER
8d	2 1/2"	0.131"
10d	3"	0.148"
12d	3 1/4"	0.148"
16d	3 1/2"	0.162"
20d	4"	0.192"

VII. PREMANUFACTURED SECOND FLOOR TRUSSES

A MATERIALS: TRUSSES ARE TO BE "I" SOLID WEB TRUSSES WITH STRUCTURAL WOOD CHORDS AND OSB WEBS BY RED BUILT SEE THE ICC–ES EVALUATION REPORT 2994.

B DESIGN: "I" TRUSSES ARE AN "OFF THE SHELF" PREMANUFACTURED ENGINEERED WOOD PRODUCT. THE TRUSS CHORDS AND WEBS ARE DESIGNED AND THE TRUSSES CONSTRUCTED TO PROVIDE THE ALLOWABLE DESIGN STRESSES FOR THESE TRUSSES.

C FOR THE DESIGN LOADS REFER TO THE FLOOR FRAMING NOTES (PART OF THE STRUCTURAL NOTES).

NOTE 1 THE TRUSSES ARE TO BE DESIGNED TO CONFORM WITH THE DETAILS ON THE DRWINGS AND THE MINIMUM DESIGN LOADS INDICATED ABOVE.

ABBREVIATIONS

ADJ	ADJACENT
ALT	ALTERNATE
A BOLT(S)	ANCHOR BOLT(S)
ARCH DRWGS	ARCHITECTURAL DRAWINGS
@	AT
BM	BEAM
BRG	BEARING
BLK	BLOCK
BLKG	BLOCKING
BOT	BOTTOM
BRDG	BRIDGING
CBC	CALIFORNIA BUILDING CODE
CL	CENTER LINE
CTRD	CENTERED
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CTRSK	COUNTERSINK
DIAG	DIAGONAL
DIA	DIAMETER
DBL	DOUBLE
DF	DOUGLAS FIR (LARCH)
DRWGS	DRAWINGS
EA	EACH
FTG	FOOTING
FNDN	FOUNDATION
FLR	FLOOR
FRAM	FRAMING
GLB	GLUED–LAMINATED BEAM
HORIZ	HORIZONTAL
ICC	INTERNATIONAL CODE COUNCIL
MAX	MAXIMUM
MIN	MINIMUM
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OPT	OPTIONAL
PERPEN	PERPENDICULAR
PL	PLATE
PLY	PLYWOOD
PREMAN	PREMANUFACTURED
PRESS TRTD	PRESSURE TREATED
REINF	REINFORCING
REQD	REQUIRED
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
SQ	SQUARE
STD	STANDARD
STL	STEEL
TOEN	TOE–NAIL
T & B	TOP & BOTTOM
TPI	TRUSS PLATE INSTITUTE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH

SYMBOLS

DETAIL NO. / SHEET NO. — DETAIL REFERENCE

ELEVATION NO. / SHEET NO. — FRAMING ELEVATION REFERENCE

RELATIVE ELEVATION DESIGNATION

SHEARWALL TYPE / MINIMUM SHEAR PANEL LENGTH (X'–X") — TYPICAL PLYWOOD SHEAR PANEL DESIGNATION – SEE (G / S1.2)

POST AT HOLDOWN / HOLDOWN SYMBOL / HOLDOWN SIZE (SEE HOLDOWN SCHEDULE) — TYPICAL HOLDOWN DESIGNATION – SEE (H / S1.2)

PLYWOOD (SECTION)

WOOD MEMBER (CONTINUOUS) IN SECTION

WOOD MEMBER (BLOCKING) IN SECTION

REINFORCING BARS IN SECTION

NEW STRUCTURAL WALLS (WOOD STUD OR STEEL STUD) IN PLAN

EXISTING STRUCTURAL WALLS (WOOD STUD OR STEEL STUD) IN PLAN

EXISTING STRUCTURAL WALLS TO BE REMOVED IN PLAN

SAND IN SECTION

GRAVEL IN SECTION

EARTH IN SECTION

FLOOR FRAMING NOTES

1 DESIGN FLOOR LOADS:

FLOOR
DL ----- 20.0 PSF
LL ----- 80.0 PSF

2 THE TRUSS MANUFACTURER IS TO VERIFY TRUSS DEPTHS AND DETAILING FOR ADEQUACY AND NOTIFY THE ARCHITECT / ENGINEER IMMEDIATELY OF ANY DISCREPENCIES.

4 FOR SPECIAL INSPECTION REQUIREMENTS REFER TO THE GENERAL STRUCTURAL NOTES AND ANY ADDITIONAL REQUIREMENTS PER THE BUILDING INSPECTION DEPARTMENT,

5 REFER TO ADDITIONAL PREMANUFACTURED TRUSS NOTES SHEET S1.1.

6 ALL TRUSSES ARE TO BE FABRICATED AT AN ICC APPROVED FABRICATION FACILITY.

7 PROVIDE TOP PLATE SPLICE PER (B1 / S1.2) TYP UNLESS SHOWN OR NOTED OTHERWISE.

8 DRILLING OF HOLES, DRIVING OF HEAVY SCREWS OR USE OF LAG BOLTS IN THE BOTTOM CHORDS OF THE FLOOR TRUSSES IS NOT PERMITTED. DO NOT CUT OR DRILL FLOOR TRUSSES.

9 DAMAGED FLOOR TRUSSES ARE NOT TO BE USED.

10 FOR ALL NON–BEARING INTERIOR WALLS TO THE FLOOR TRUSSES – SEE (C / S1.2)

FOUNDATION NOTES

1 THE SOILS/PROJECT ENGINEER IS TO OBSERVE AND APPROVE THE FOUNDATION EXCAVATIONS AND REINFORCING PRIOR TO PLACEMENT OF THE CONCRETE.

2 ANCHOR BOLTS FOR ALL HOLDOWNS AND STEEL COLUMNS ARE TO BE WIRED IN PLACE OR HELD IN PLACE BY A TEMPLATE PRIOR TO THE PLACEMENT OF THE CONCRETE, THEY ARE NOT TO BE ADDED WHILE THE CONCRETE IS WET.

3 FOR SPECIAL INSPECTION REQUIREMENTS REFER TO THE GENERAL STRUCTURAL NOTES AND ANY ADDITIONAL REQUIREMENTS PER THE BUILDING INSPECTION DEPARTMENT.

4 FOR ALL SLAB DEPRESSIONS, SLOPED SLABS, FLOOR DRAINS, SPECIAL EQUIPMENT OR INSERTS – SEE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND DRAWINGS OF OTHER TRADES.

DESIGN CRITERIA

WIND DESIGN DATA

BASIC WIND SPEED: 110 MPH

WIND EXPOSURE: EXPOSURE "C"

RISK CATEGORY: II

EARTHQUAKE DESIGN DATA

SEISMIC IMPORTANCE FACTOR: Ie = 1.0

SHORT TERM SPECTRAL RESPONSE: Ss = 0920 S_{DS}= 0.694

1 SECOND SPECTRAL RESPONSE: S_1= 0.337 S_{D1} = 0.388

SITE CLASS: "D"

SEISMIC DESIGN CATEGORY: "D"

BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE (ASCE 7–10 TABLE 12.2–1, ITEM A.15)

SEISMIC RESPONSE COEFFICIENT: Cs = 0.107

RESPONSE MODIFICATION FACTOR: R = 6.5

DESIGN BASE SHEAR: Cs x EFFECTIVE SEISMIC WEIGHT OF THE BUILDING

ANALYSIS DESIGN PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

SEISMIC DESIGN CATEGORY

THE STRUCTURE IS IN SEISMIC DESIGN CATEGORY "D" PER ASCE 7–10 TABLE 11.6–1

WIND DESIGN

THE STRUCTURE IS IN AN AREA WITH WIND EXPOSURE CATEGORY "C" AND A BASIC WIND SPEED OF 110 MPH.

REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____

The stamping of this plan SHALL NOT be held to permit or to be approval of the violation of any provisions of any Ordinance or L Occupancy of structure not permitted until after final appro

12-12-14
LICENSED PROFESSIONAL ENGINEER
GREGORY A. PELTON
No. S 5645
12-31-14
STRUCTURAL
STATE OF CALIFORNIA

L Street Architects Limited
1444 L Street
Modesto, California 95354
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2813 COFFEE ROAD SUITE D1
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THESE PLANS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF L STREET ARCHITECTS LIMITED AND PELTON WYLIE ENGINEERING, INC. THEY ARE NOT TO BE CHANGED FROM THE ORIGINAL DRAWINGS WITHOUT BE APPROVED IN WRITING PRIOR TO CONSTRUCTION. THE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OR CONSTRUCTION ON PROJECT, LOCATION, OR TIME OTHER THAN SPECIFICALLY INTENDED BY THE ARCHITECT AND ENGINEER. THE PLANS SHALL NOT BE LOANED, GIVEN, SOLD OR TRANSFERRED TO ANY PERSON, FIRM OR CORPORATION WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT AND ENGINEER. ANY UNAUTHORIZED USE OF THESE PLANS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE ARCHITECT AND ENGINEER. THE USER SHALL INDEMNIFY AND HOLD HARMLESS THE ARCHITECT AND ENGINEER AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

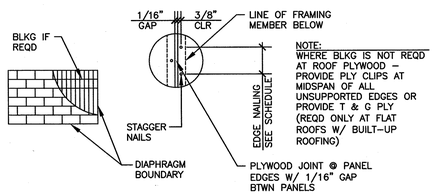
PROPOSED TENANT IMPROVEMENT FOR:
CENTER FOR HUMAN SERVICES
2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:	
DRAWN:	SG
DATE:	OCT 2014
FILE:	
JOB:	LSA 015–14
PRINT DATE:	

STRUCTURAL NOTES

S1.1

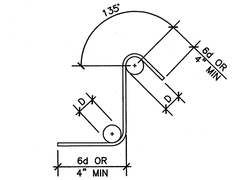
A | N/A **GENERAL STRUCTURAL NOTES**



PLYWOOD PANEL SCHEDULE				
TYPE	PANEL DESIGNATION	EDGE NAILING	NAILING @ INTERM	BLKG
FLOOR	3/4" CDX	10d @ 6"	10d @ 10"	2x
FLOOR	3/4" CDX	10d @ 6"	10d @ 10"	——
ROOF	15/32" CDX	10d @ 6"	10d @ 12"	——

1 ALL NAILS SHALL BE COMMON WIRE NAILS
2 ALL PLYWOOD MUST BE MARKED "APA W/ EXT GLUE"
3 PROVIDE EDGE NAILING ALONG ALL STRUT & CHORD LINES
4 PREDRILL HOLES WHERE PLYWOOD TENDS TO SPLIT
5 MIN INDIVIDUAL PIECE: 8 SQ FT – LEAST DIMENSION = 2'–0"
6 ALL FLOOR PLYWOOD IS TO BE NAILED AND GLUED TO ALL FLOOR FRAMING

A N/A PLYWOOD SHEATHING

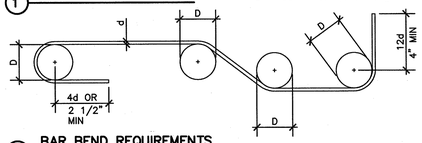


BAR	D
#3	1 1/2"
#4	2"
#5	2 1/2"
#6	6d
#8	6d

2 OFFSET

d = BAR DIAMETER
D = 6d = FOR #3 THRU #8
D = 8d = FOR #9 THRU #11

1 STIRRUPS & TIES

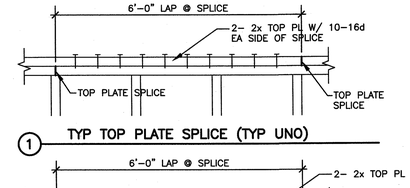


3 BAR BEND REQUIREMENTS

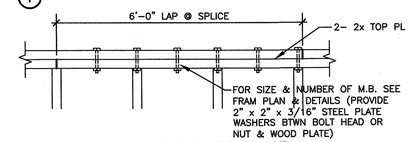
4 LAP DETAIL

L= 48 DIA (2'–0" MIN) WHICH EVER IS GREATER

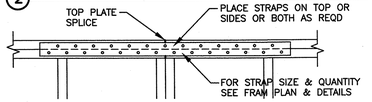
F N/A REINFORCING DETAILS



1 TYP TOP PLATE SPLICE (TYP UNO)

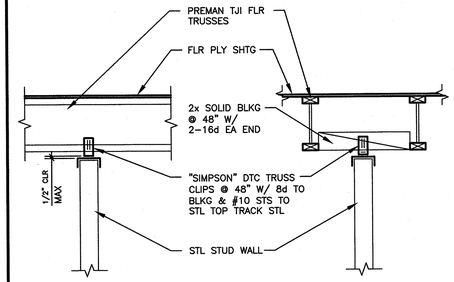


2 TYP BOLTED TOP PLATE SPLICE



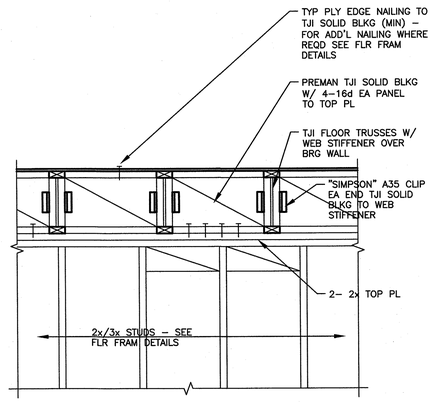
3 TYP STRAPPED TOP PLATE SPLICE

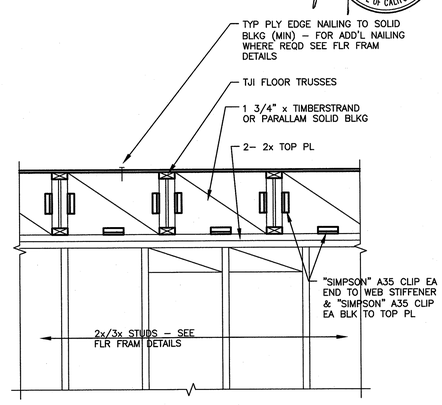
B N/A TYPICAL TOP PLATE SPLICE



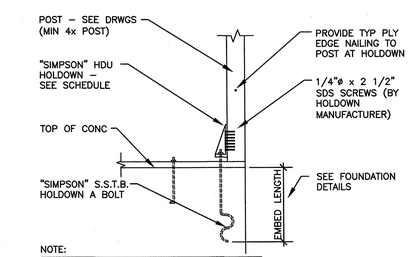
1 PERPENDICULAR TO TRUSS 2 PARALLEL TO TRUSS

C N/A TYPICAL NON-BRG WALLS





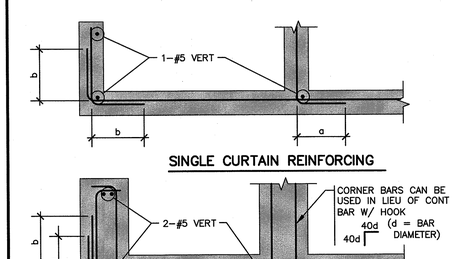
D N/A SECTION AT TJI BLOCKING



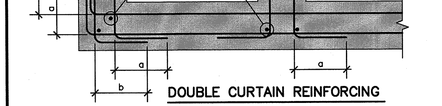
NOTE:
1 INSTALL HOLDOWN PER MANUFACTURER'S RECOMMENDATIONS
2 ANCHOR BOLT NUT IS TO BE FINGER TIGHT WITH 1/3 TO 1/2 TURN WITH A WRENCH

HDU HOLDOWN SCHEDULE				
SYMBOL	TYPE	A BOLT	EMBED LENGTH	SDS SCREWS (BY MANUF)
1	HDU2	5/8" DIA	13"	6 – 1/4" DIA x 2 1/2"
2	HDU4	5/8" DIA	17"	10 – 1/4" DIA x 2 1/2"
3	HDU5	5/8" DIA	21"	14 – 1/4" DIA x 2 1/2"
4	HDU8	7/8" DIA	25"	20 – 1/4" DIA x 2 1/2"

H N/A TYPICAL HOLDOWN DETAIL



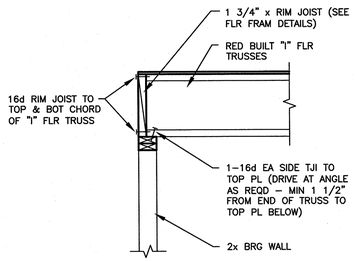
SINGLE CURTAIN REINFORCING



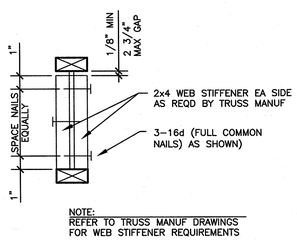
DOUBLE CURTAIN REINFORCING

BAR SIZE		#4	#5	#6	#7	#8	#9
GRADE 40	a	1'–0"	1'–0"	1'–4"	1'–10"	2'–5"	3'–0"
	b	1'–9"	1'–9"	2'–4"	3'–2"	4'–2"	5'–2"
GRADE 60	a	1'–0"	1'–5"	2'–0"	2'–9"	3'–7"	4'–6"
	b	1'–9"	2'–6"	3'–6"	4'–9"	6'–2"	7'–8"

J N/A PLAN AT TYP REINFORCING

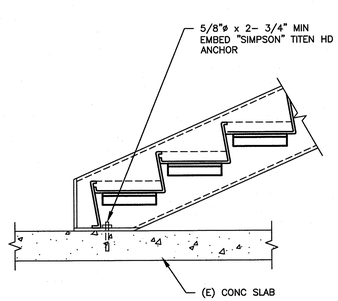


1 ATTACHMENT TO SUPPORT
3/4" = 1'–0"

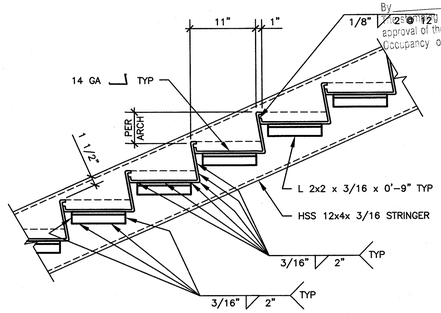


2 WEB STIFFENER
1 1/2" = 1'–0"

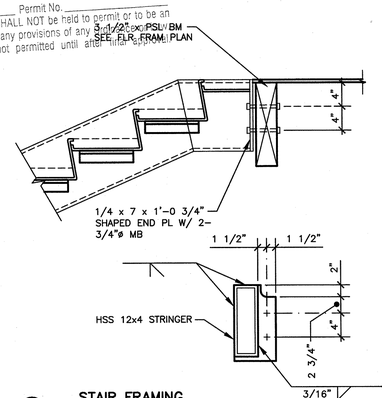
K N/A SECTION AT "I" TRUSS BEARING REQUIRMENTS



1 STAIR AT FOUNDATION



2 STAIR FRAMING



3 STAIR FRAMING

L N/A TYPICAL STAIR DETAILS

12-12-14
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
S 0845
12-31-14
STATE OF CALIFORNIA

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PELTON WYLIE ENGINEERING, INC
2813 COFFEE ROAD SUITE D1
MODESTO, CALIFORNIA 95355
TEL: (209)575–9819 FAX: (209)575–0274

THESE DRAWINGS AND SPECIFICATIONS AND ALL DESIGNS, ARRANGEMENTS AND PLANS INDICATED THEREON OR REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF L STREET ARCHITECTS WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER EXCEPT WHEN EXPRESSLY STIPULATED TO BE SO BY L STREET ARCHITECTS. ANY REPRODUCTION OF THESE DRAWINGS AND SPECIFICATIONS OR ANY PORTION THEREOF WITHOUT THE WRITTEN CONSENT OF L STREET ARCHITECTS IS PROHIBITED AND ANY UNAUTHORIZED USE SHALL BE AT THE SOLE RISK OF THE USER. VISUAL CONTACT WITH THESE DRAWINGS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS. DO NOT SCALE DRAWINGS. ANY DISCREPANCY SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. ALL CONSTRUCTION SHALL COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE AND ALL OTHER APPLICABLE CODES, LAWS AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF ALL CONSTRUCTION. ALL CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS ON OR ADJACENT TO THE JOB SITE AND SHALL BE RESPONSIBLE FOR ALL DAMAGE TO SUCH IMPROVEMENTS CAUSED BY HIS OPERATIONS. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE PUBLIC AND THE JOB DURING CONSTRUCTION.

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

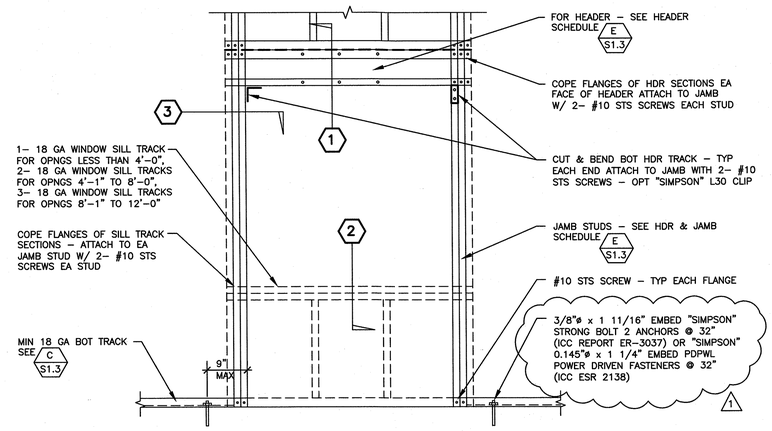
REVISIONS:

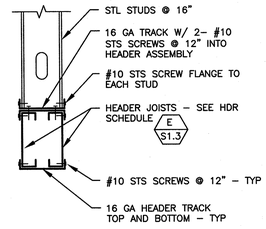
DRAWN: SG
DATE: OCT 2014
FILE:
JOB: LSA 015–14
PRINT DATE:

TYPICAL DETAILS

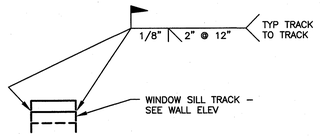
S1.2

REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
Permit No.
By
Approval of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any [illegible] Occupancy of structure not permitted until after final approval

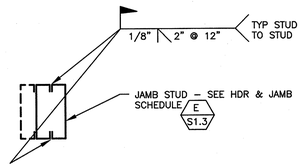




1 TYPICAL BOXED HEADER AT 3'–1" TO 12'–0" OPENINGS



2 SECTION

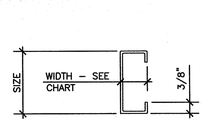


3 SECTION

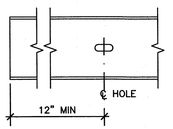
12-12-14

REGISTERED PROFESSIONAL ENGINEER GREGORY A. PELTON No. 24646 12-31-14 STRUCTURAL STATE OF CALIFORNIA

A NA TYPICAL NON-STRUCTURAL STEEL STUD WALL AT FRAMED OPENING



SECTION



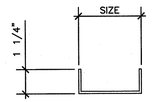
ELEVATION

NOTE: SECTION PROPERTIES INDICATED ARE BASED ON STUDS MANUFACTURED BY DIETRICH INDUSTRIES

PHYSICAL STRUCTURAL PROPERTIES - C STUDS / JOISTS

SIZE (IN)	WIDTH	GAGE	Fy (KSI)	WT (#/FT)	AREA (IN^2)	Ix (IN^4)	Sx (IN^3)	Rx (IN)	Iy (IN^4)	Sy (IN^3)	Ry (IN)
C 3 1/2"	1 3/8"	18	33	0.982	0.300	0.568	0.325	1.376	0.075	0.078	0.499
C 3 1/2"	1 3/8"	20	33	0.764	0.233	0.446	0.245	1.383	0.060	0.062	0.505
C 6"	1 3/8"	20	33	1.047	0.320	1.597	0.513	2.234	0.070	0.065	0.466
C 6"	1 3/8"	18	33	1.351	0.413	2.043	0.681	2.224	0.087	0.082	0.460
C 8"	1 3/8"	18	33	1.646	0.503	4.135	1.034	2.867	0.893	0.083	0.430
C 6"	1 3/8"	16	50	1.821	0.557	2.862	0.928	2.268	0.181	0.149	0.570

B NA STUD SECTION PROPERITES



SECTION

NOTE: SECTION PROPERTIES INDICATED ARE BASED ON STUDS MANUFACTURED BY DIETRICH INDUSTRIES

PHYSICAL STRUCTURAL PROPERTIES - TRACK

SIZE (IN)	GAGE	Fy (KSI)	WT (#/FT)	AREA (IN^2)	Ix (IN^4)	Sx (IN^3)	Rx (IN)	Iy (IN^4)	Sy (IN^3)	Ry (IN)
3 1/2"	16	33	1.094	0.334	0.611	0.307	1.375	0.047	0.049	0.377
3 1/2"	18	33	0.873	0.267	0.462	0.226	1.374	0.038	0.039	0.379
6"	16	33	1.557	0.476	2.206	0.671	2.183	0.054	0.052	0.336
6"	18	33	1.242	0.379	1.688	0.505	2.183	0.043	0.041	0.338

C NA TRACK SECTION PROPERTIES

INTERIOR NON-STRUCTURAL STEEL STUD SCHEDULE

MEMBER SIZE	GAGE	MAXIMUM HEIGHT (FEET)	SPACING
C 3 1/2" x 1 3/8"	18	14'–0"	24"
C 3 1/2" x 1 3/8"	20	13'–0"	24"
C 3 1/2" x 1 3/8"	18	16'–0"	16"
C 3 1/2" x 1 3/8"	20	15'–0"	16"
C 6" x 1 3/8"	16	22'–0"	24"
C 6" x 1 3/8"	18	21'–0"	24"
C 6" x 1 3/8"	20	19'–0"	24"
C 6" x 1 3/8"	16	25'–0"	16"
C 6" x 1 3/8"	18	23'–0"	16"
C 6" x 1 3/8"	20	21'–0"	16"

CEILING JOIST SCHEDULE

MEMBER SIZE	GAGE	MAXIMUM SPAN	SPACING
3 1/2" x 1 3/8"	18	10'–0"	16"
3 1/2" x 1 3/8"	20	8'–0"	16"
6" x 1 3/8"	16	16'–0"	16"
6" x 1 3/8"	18	14'–0"	16"
6" x 1 3/8"	20	12'–0"	16"

D NA CLG JOIST & WALL STUD SCHEDULE

HEADER AND JAMB STUD SCHEDULE

SPAN	QUANTITY & MIN GA OF JAMB STUDS	HEADER (1)
UP TO 4'–0"	2– C 3 1/2" x 1 3/8" x 20 GA STUDS OR 2– C 6" x 1 3/8" x 20 GA STUDS	2– C 3 1/2" x 1 3/8" x 18 GA
4'–1" TO 8'–0"	2– C 3 1/2" x 1 3/8" x 18 GA STUDS OR 2– C 6" x 1 3/8" x 18 GA STUDS	2– C 6" x 1 3/8" x 18 GA
8'–1" TO 12'–0"	3– C 3 1/2" x 1 3/8" x 18 GA STUDS OR 2– C 6" x 1 3/8" x 18 GA STUDS	2– C 8" x 1 3/8" x 18 GA

NOTE:

1 HEADER TRACK TOP AND BOTTOM IS TO BE A MINIMUM 16 GA x WIDTH OF FRAMED WALL.

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

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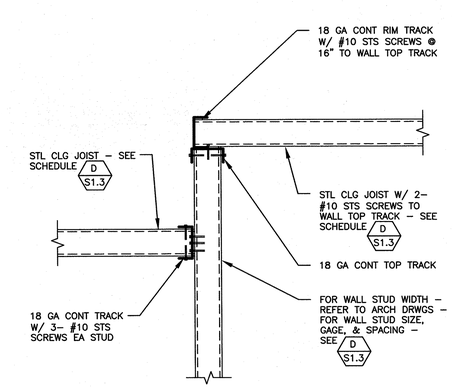
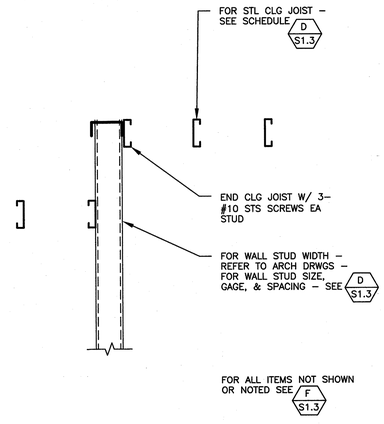
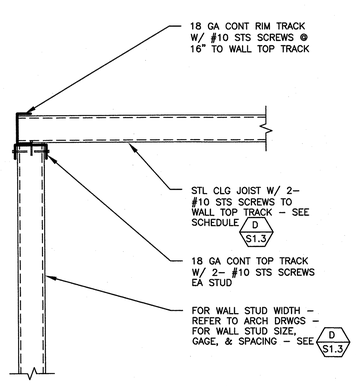
E NA STL HDR & JAMB STUD SCHEDULE



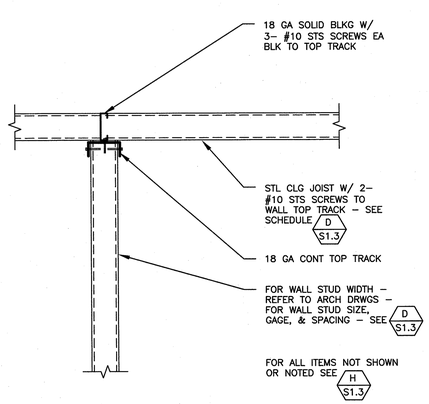
F 3/4" SECTION AT CEILING FRAMING



G 3/4" SECTION AT CEILING FRAMING



H 3/4" SECTION AT CEILING FRAMING



J 3/4" SECTION AT CEILING FRAMING

L Street Architects Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 fax
www.lstreetarchitects.com

PELTON WYLIE ENGINEERING, INC
2813 COFFEE ROAD SUITE D1
MODESTO, CALIFORNIA 95355
TEL: (209)575-9619 FAX: (209)575-0274

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

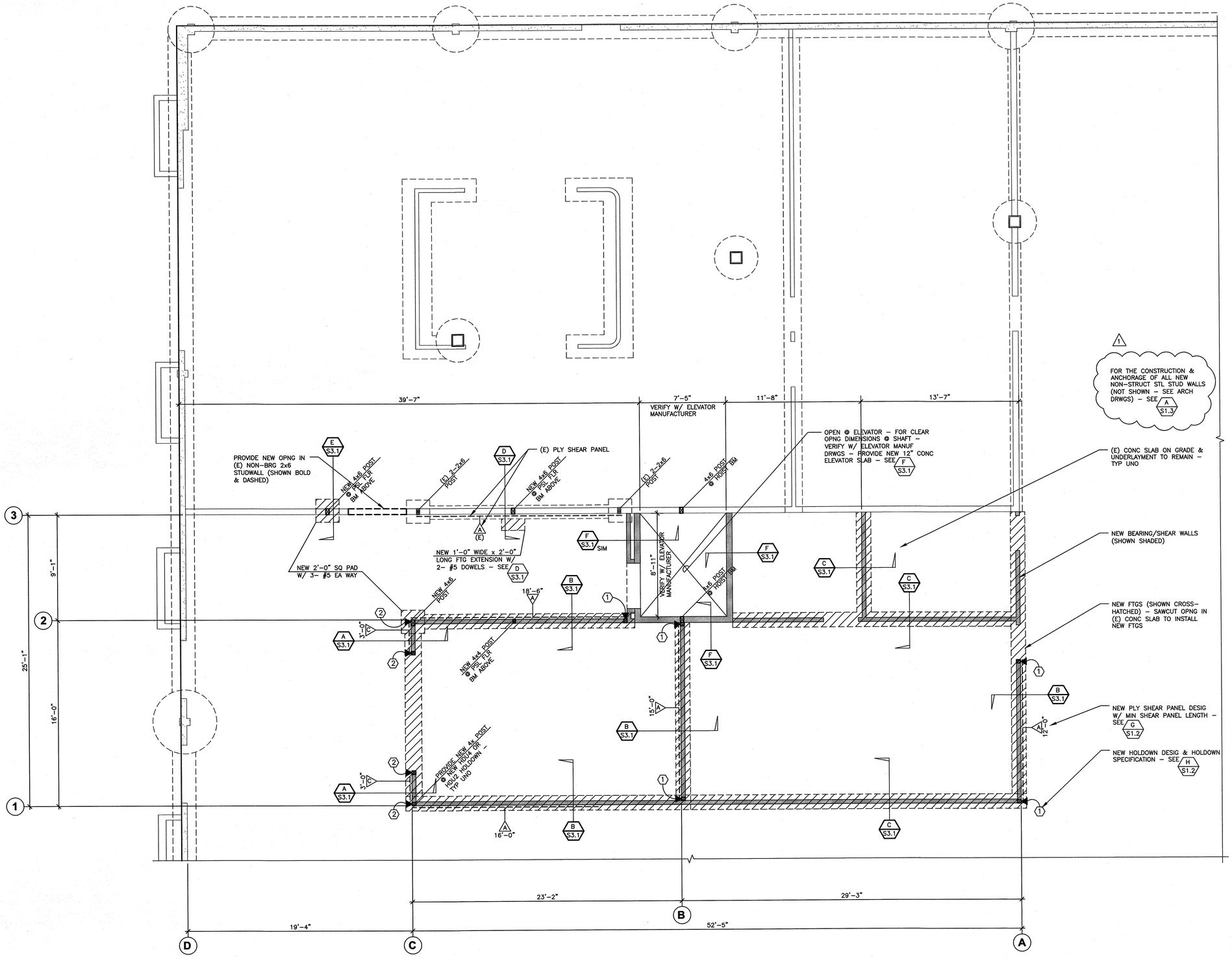
2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:
1 12–11–14 PLAN CHECK GP

DRAWN: SG
DATE: OCT 2014
FILE:
JOB: LSA 015–14
PRINT DATE:

NON–STRUCT WALL AND CEILING DETAILS

S1.3



A 1/4" **ENLARGED FOUNDATION PLAN**

12-12-14

REGISTERED PROFESSIONAL ENGINEER
ROBERT G. WYLIE
No. 37778
CIVIL
12-31-14
STRUCTURAL
STATE OF CALIFORNIA

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-575-1415 209-575-4374 fax
www.lstreetarchitects.com

PELTON WYLIE ENGINEERING, INC
2813 COFFEE ROAD SUITE D1
MODESTO, CALIFORNIA 95355
TEL: (209)575-9619 FAX: (209)575-0274

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

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1	12-11-14 PLAN CHECK	GP
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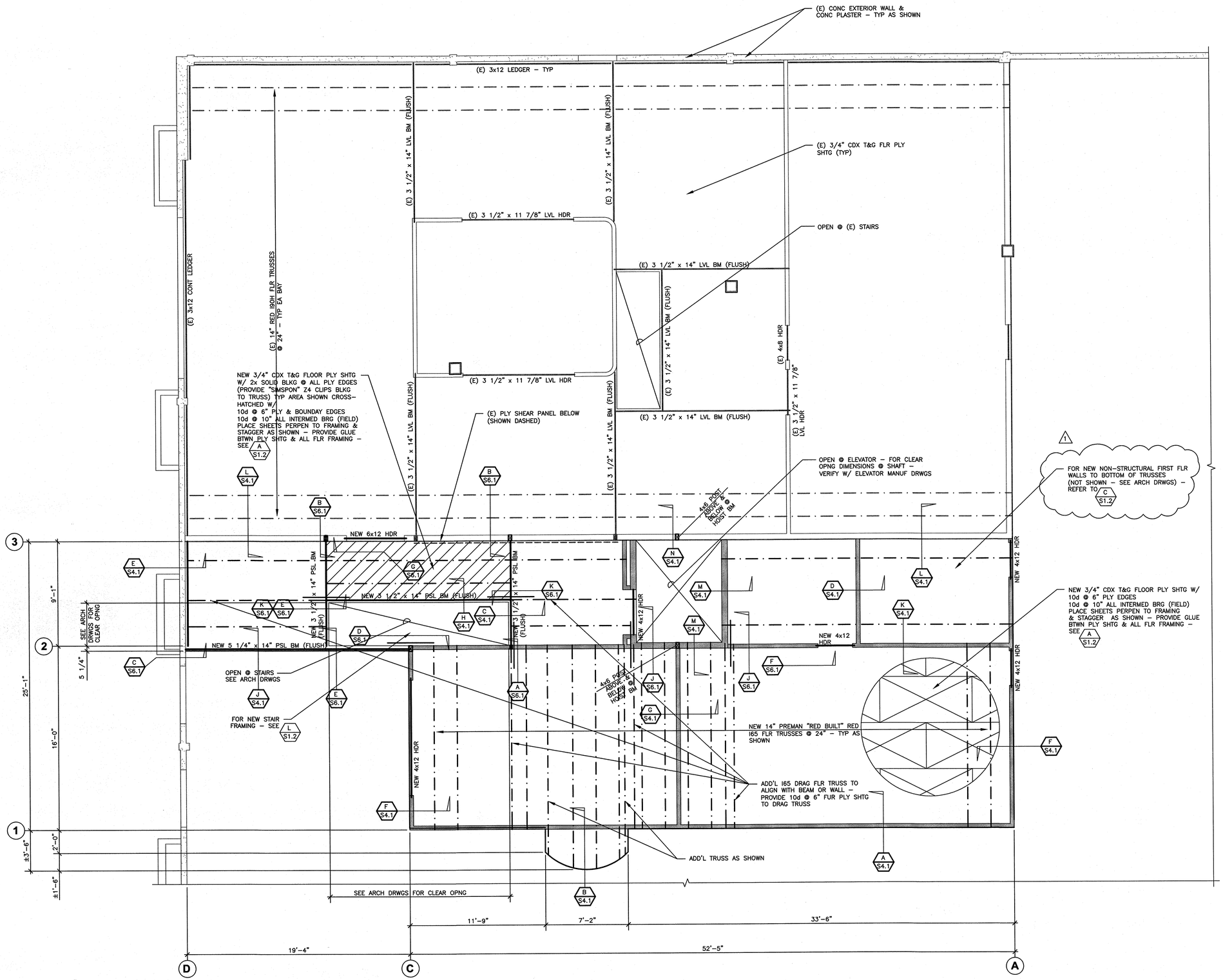
ENLARGED FOUNDATION PLAN

S2.1

12-12-14

LICENSED PROFESSIONAL ENGINEER
JAY WYLIE
No. 19345
12-31-14
STRUCTURAL
STATE OF CALIFORNIA



A 1/4" **ENLARGED FLOOR FRAMING PLAN**

NORTH

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209-575-1415 209-575-4374 fax
www.lstreetarchitects.com

PELTON WYLIE ENGINEERING, INC
2813 COFFEE ROAD SUITE D1
MODESTO, CALIFORNIA 95355
TEL: (209)575-9619 FAX: (209)575-0274

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

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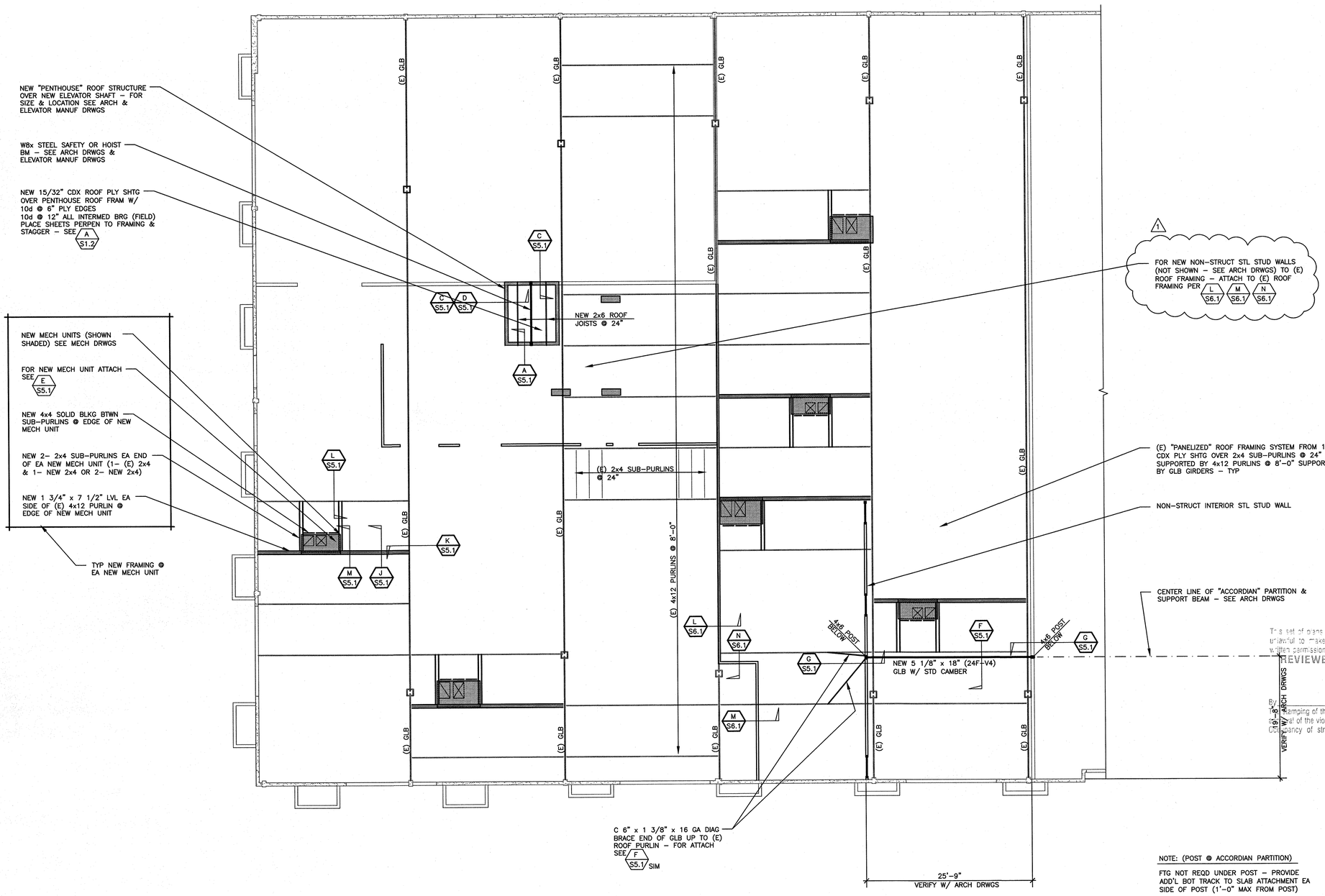
ENLARGED FLOOR FRAMING PLAN

S2.2



NOTE: (POST @ ACCORDIAN PARTITION)

FTG NOT REQD UNDER POST – PROVIDE ADD'L BOT TRACK TO SLAB ATTACHMENT EA SIDE OF POST (1'–0" MAX FROM POST)

A 1/8" **PARTIAL ROOF FRAMING PLAN**

12-12-14

REGISTERED PROFESSIONAL ENGINEER GREGORY A. PELTON No. S 5415 EXP. 12-31-14 STRUCTURAL STATE OF CALIFORNIA

L Street Architects
Limited
1414 L Street
Modesto, California 95354
209-573-1415 209-573-4374 Fax
www.lstreetarchitects.com

PELTON WYLIE ENGINEERING, INC
2813 COFFEE ROAD SUITE D1
MODESTO, CALIFORNIA 95355
TEL: (209)575-9619 FAX: (209)575-0274

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PROPOSED TENANT IMPROVEMENT FOR:

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Occupancy of structure not permitted until after final approv

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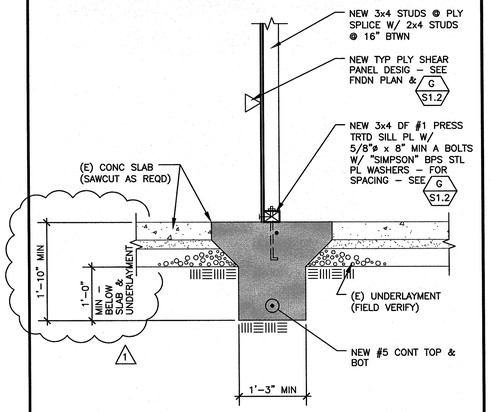
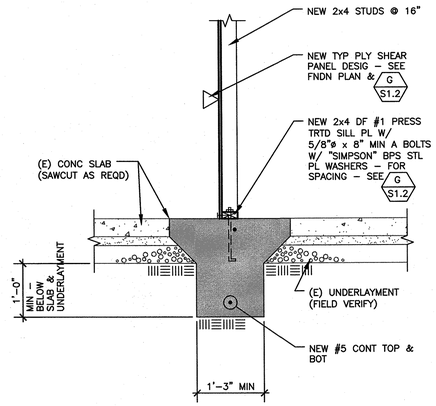
PARTIAL ROOF FRAMING PLAN

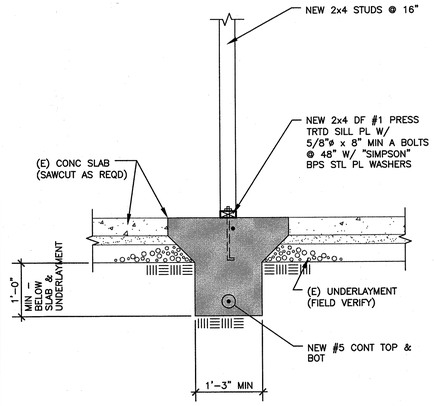
S2.3



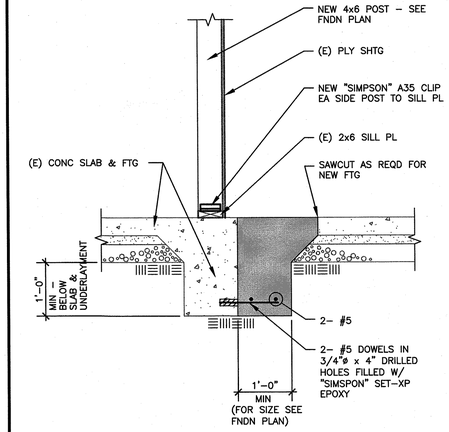
A 3/4" **SECTION AT FOUNDATION**



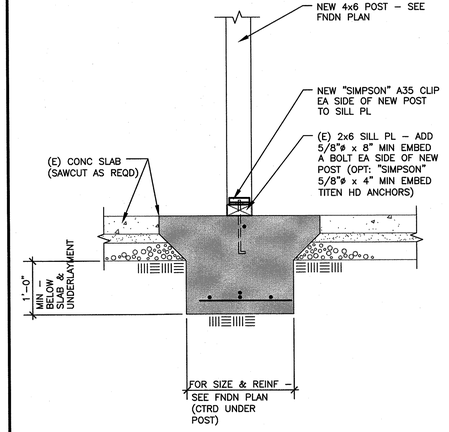
B 3/4" **SECTION AT FOUNDATION**



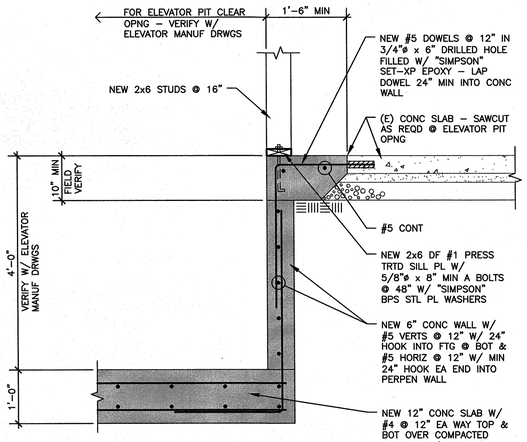
C 3/4" **SECTION AT FOUNDATION**



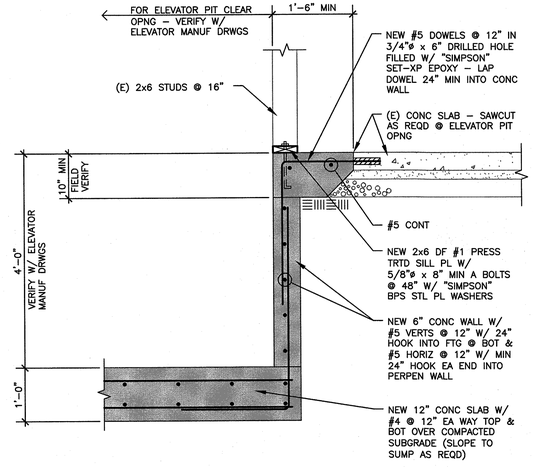
D 3/4" **SECTION AT FOUNDATION**



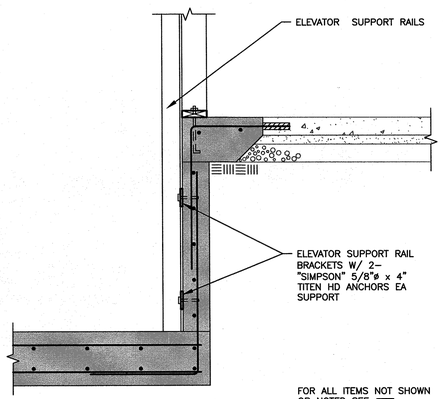
E 3/4" **SECTION AT FOUNDATION**



F 3/4" **SECTION AT FOUNDATION**



G 3/4" **SECTION AT FOUNDATION**



J 3/4" **SECTION AT FOUNDATION**

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12-12-14
REGISTERED PROFESSIONAL ENGINEER
ANTHONY A. COSTA
No. S 6045
EXP. 12-31-14
STRUCTURAL
STATE OF CALIFORNIA

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:		
1	12–11–14 PLAN CHECK	GP
DRAWN:		SG
DATE:		OCT 2014
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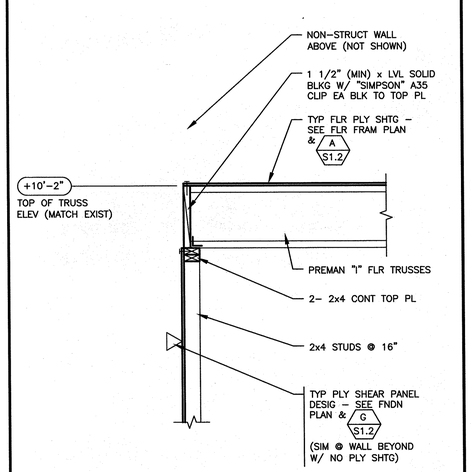
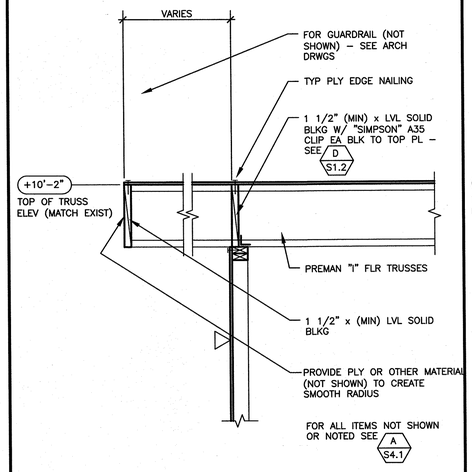
FOUNDATION DETAILS

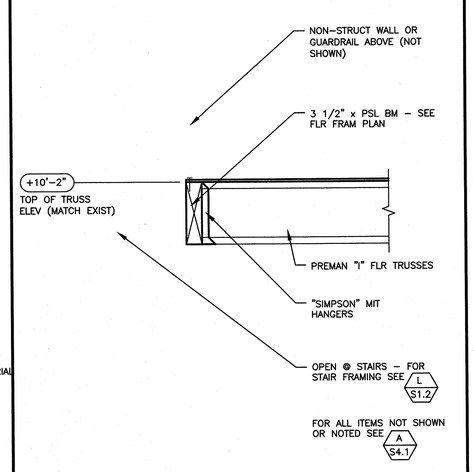
S3.1



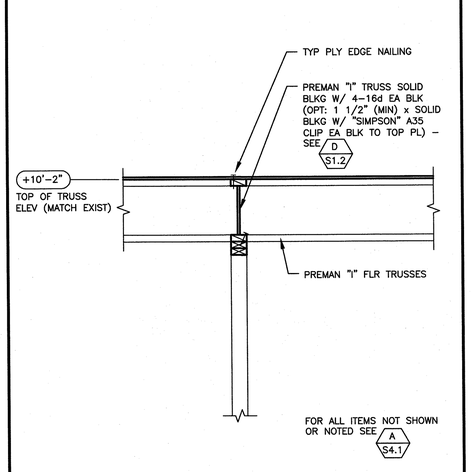
A 3/4" SECTION AT FLOOR FRAMING



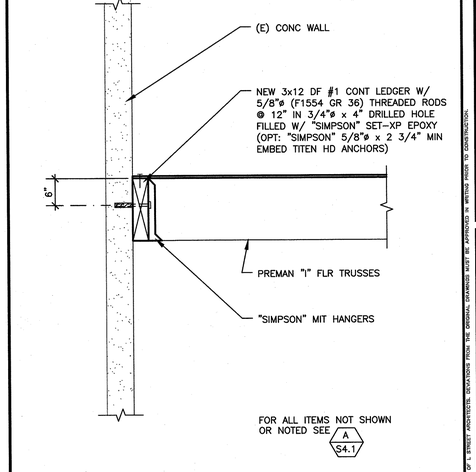
B 3/4" SECTION AT FLOOR FRAMING



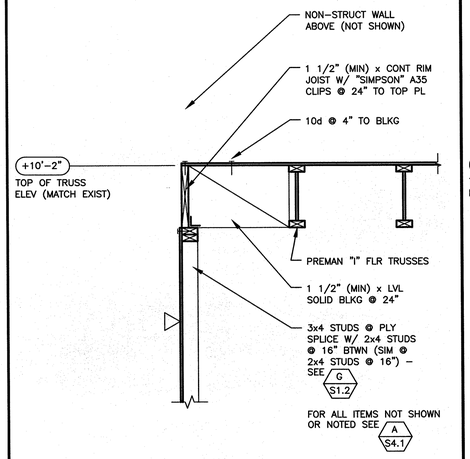
C 3/4" SECTION AT FLOOR FRAMING



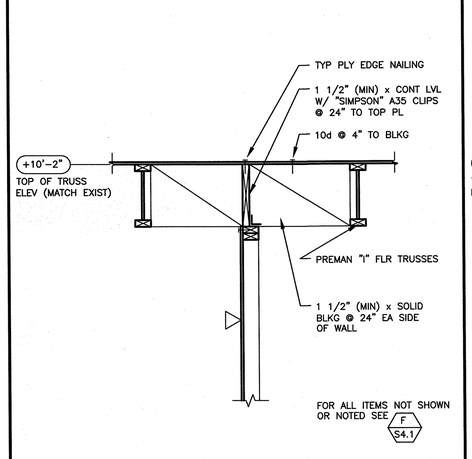
D 3/4" SECTION AT FLOOR FRAMING



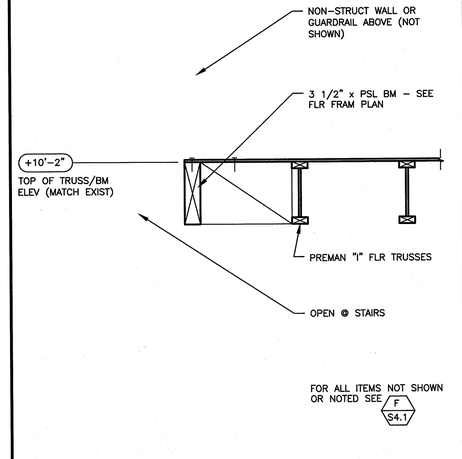
E 3/4" SECTION AT FLOOR FRAMING



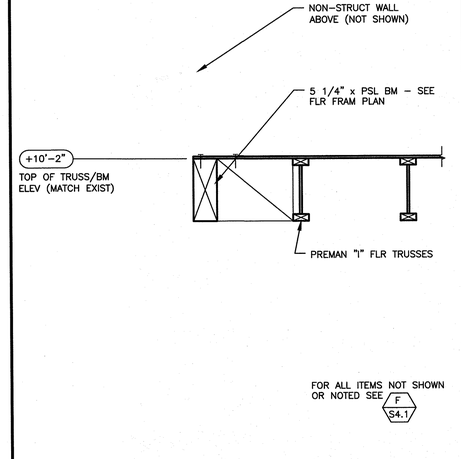
F 3/4" SECTION AT FLOOR FRAMING



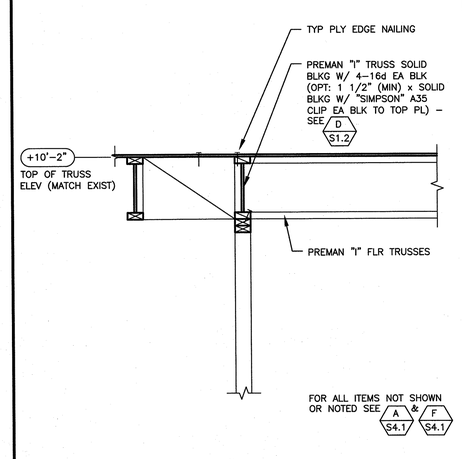
G 3/4" SECTION AT FLOOR FRAMING



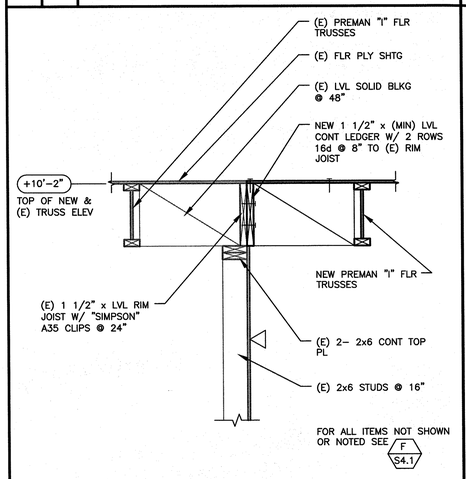
H 3/4" SECTION AT FLOOR FRAMING



J 3/4" SECTION AT FLOOR FRAMING



K 3/4" SECTION AT FLOOR FRAMING



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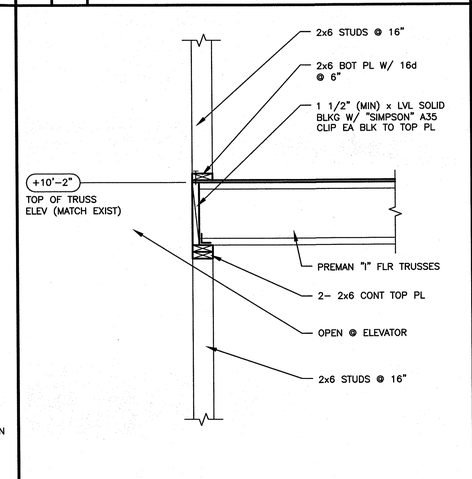

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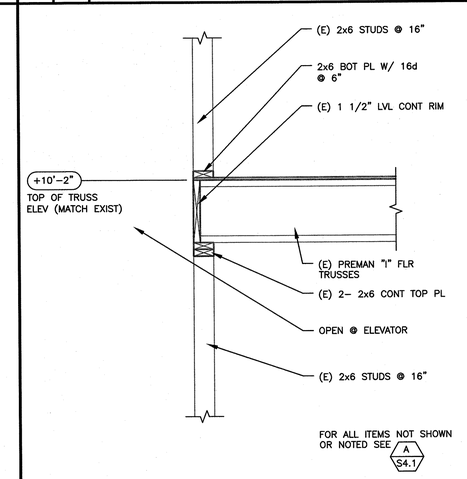

N 3/4" SECTION AT FLOOR FRAMING

L Street Architects Limited
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Modesto, California 95354
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PELTON WYLIE ENGINEERING, INC
2813 COFFEE ROAD SUITE D1
MODESTO, CALIFORNIA 95355
TEL: (209)575-9619 FAX: (209)575-0274

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

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REVISIONS:	
DRAWN:	SG
DATE:	OCT 2014
FILE:	
JOB:	LSA 015-14
PRINT DATE:	

FLOOR FRAMING DETAILS

12-17-14
REGISTERED PROFESSIONAL ENGINEER ANTHONY A. PELTON No. 2746 12-31-14 STRUCTURAL STATE OF CALIFORNIA

S4.1

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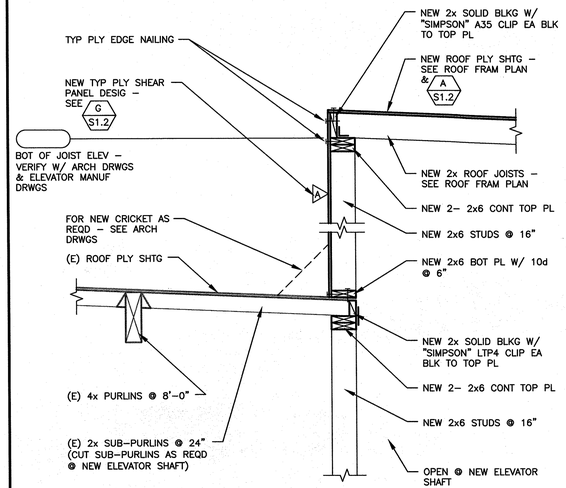

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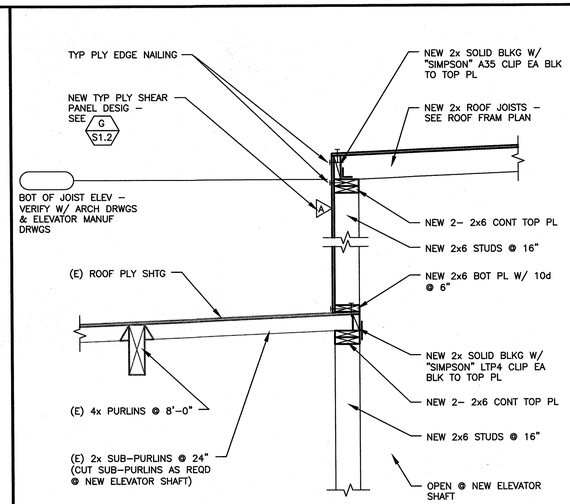

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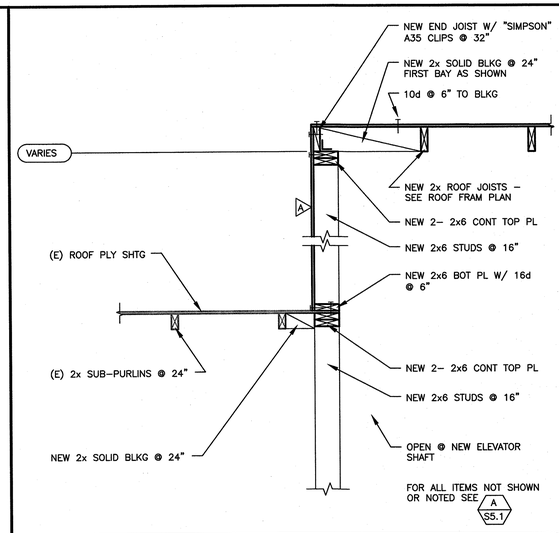

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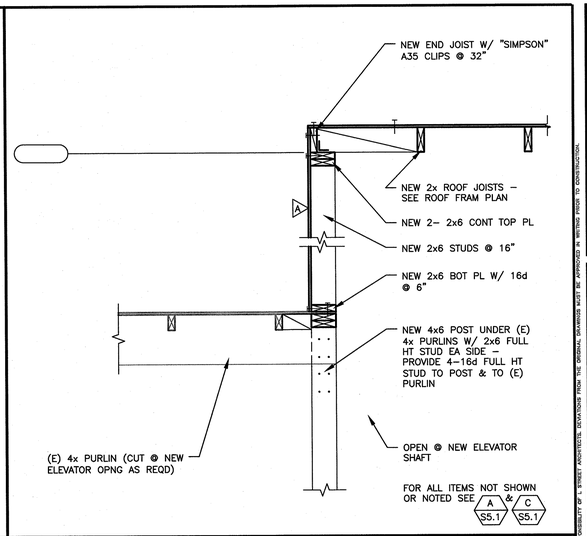

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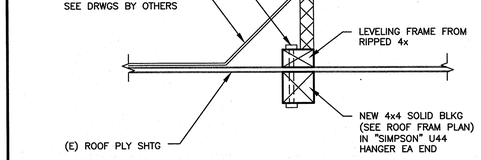

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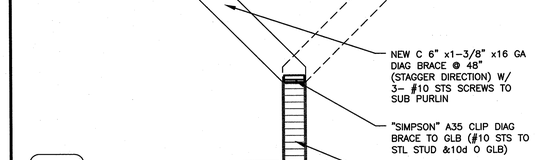

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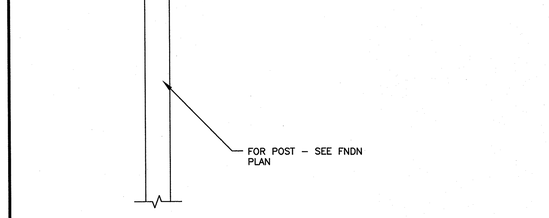

G 3/4" **SECTION AT BEAM CONNECTION**

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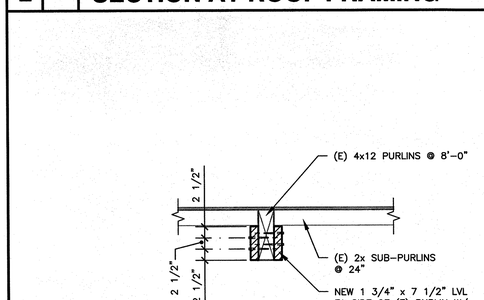

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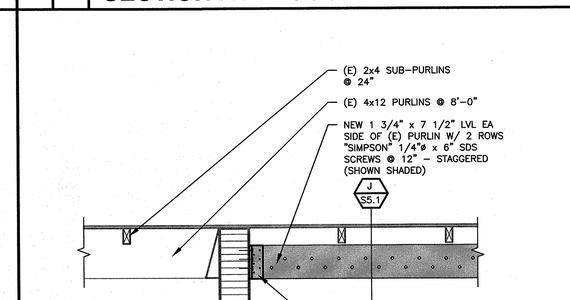

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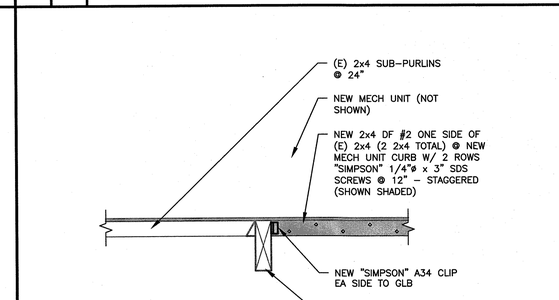

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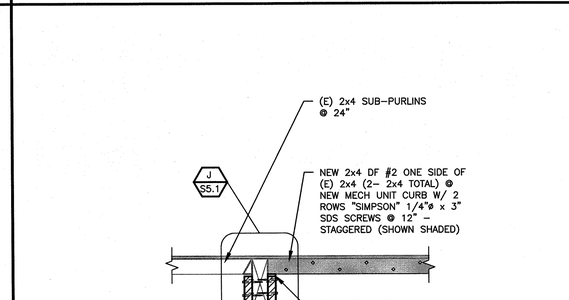

12-17-14
REGISTERED PROFESSIONAL ENGINEER GARY A PELTON S-3645 EXP 12-31-14 STRUCTURAL STATE OF CALIFORNIA

M 3/4" **SECTION AT ROOF FRAMING**

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www.lstreetarchitects.com

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: SG
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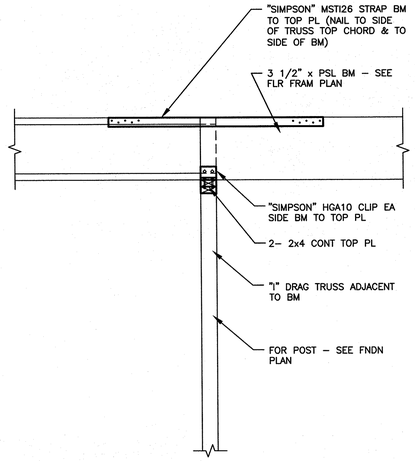
ROOF FRAMING DETAILS

S5.1



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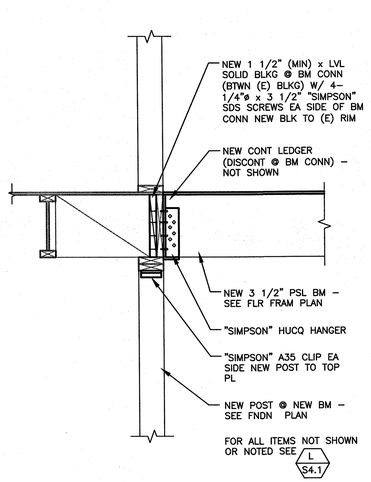

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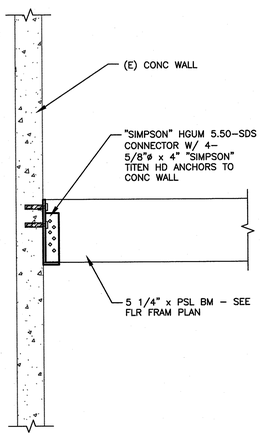

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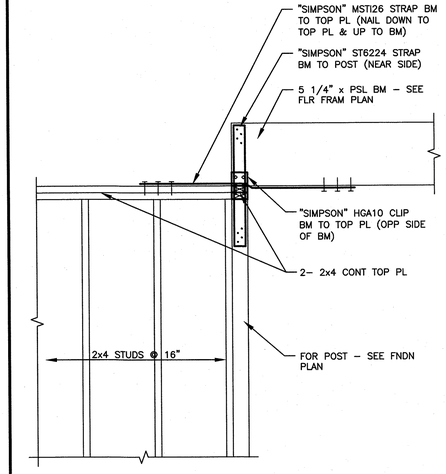

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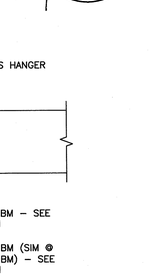

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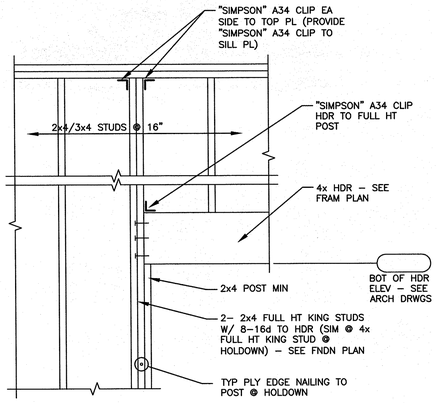

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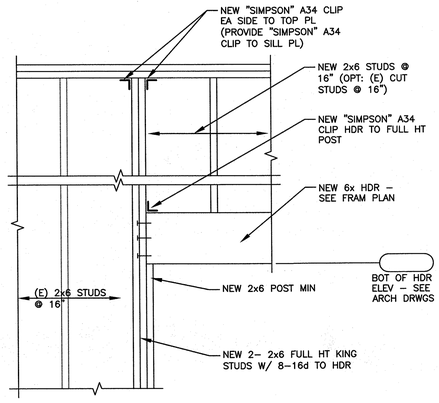

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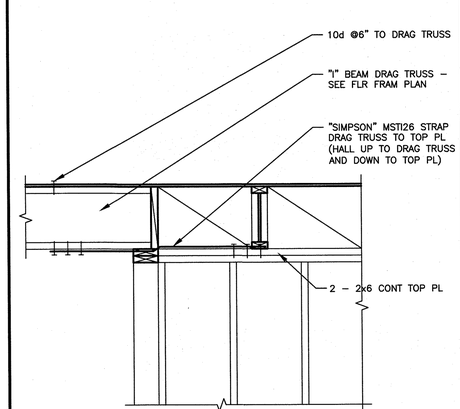

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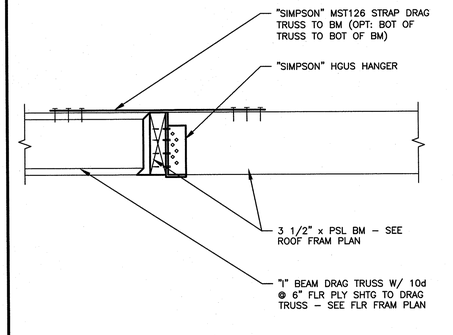

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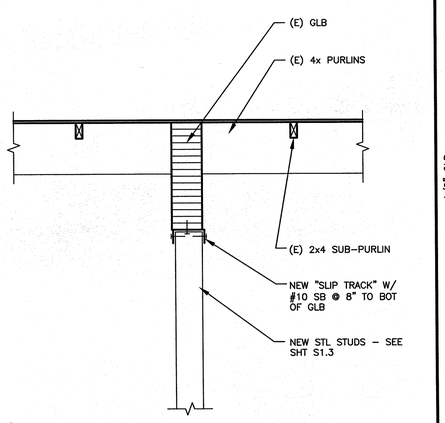
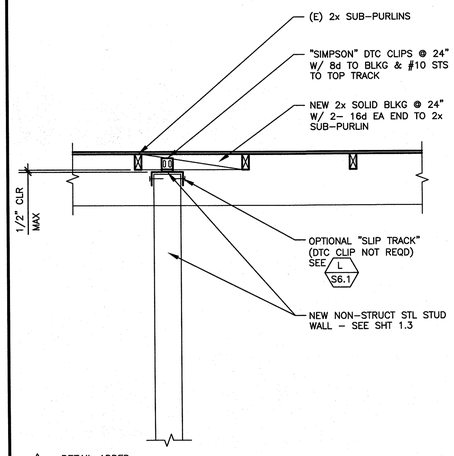


L 3/4" **SECT AT NON-STRCT WALL**



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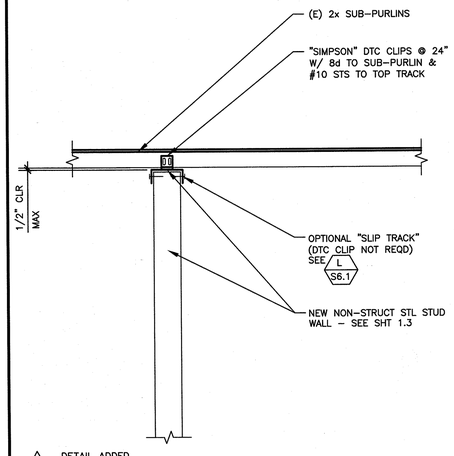

N 3/4" **SECT AT NON-STRCT WALL**

12-12-14

REGISTERED PROFESSIONAL ENGINEER
MARK GREGORY THELEN
No. 3845
EXP. 12-31-14
STRUCTURAL
STATE OF CALIFORNIA

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:
1 12-11-14 PLAN CHECK GP

DRAWN: SG
DATE: OCT 2014
FILE:
JOB: LSA 015-14
PRINT DATE:

CONNECTION DETAILS

S6.1

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POLLUTANT CONTROL - SECTION 5.504

1. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.

2. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2.

3. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8.

TEMPORARY VENTILATION - SECTION 5.504.1.3

THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSAY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.

IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDE AT LEAST A MERV-8 FILTER. MERV-8 FILTERS SHALL BE INSTALLED AFTER ANY FLUSH-OUT OR TESTING AND PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.

INDOOR MOISTURE CONTROL - SECTION 5.505

1. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1203 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). FOR ADDITIONAL MEASURES NOT APPLICABLE TO LOW-RISE RESIDENTIAL OCCUPANCIES, SEE SECTION 5.407.2 OF THIS CODE.

INDOOR AIR QUALITY - SECTION 5.506

5.506.1 - OUTSIDE AIR DELIVERY: FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 121 (REQUIREMENTS FOR VENTILATION) OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6 OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND CHAPTER 4 OF CCR, TITLE 8.

5.506.2 - CARBON DIOXIDE (CO_2) MONITORING: FOR BUILDINGS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO_2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, SECTION 121(c).

OUTDOOR AIR QUALITY - SECTION 5.508

OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS:

5.508.1.1 - CHLOROFLUOROCARBONS (CFC'S): INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFC'S.

5.508.1.2 - HALONS: INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.

HVAC BALANCING - SECTION 5.410.4.3.1

IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE THE SYSTEM IN ACCORDANCE WITH THE PROCEDURES DEFINED BY THE TESTING ADJUSTING AND BALANCING BUREAU NATIONAL STANDARDS; THE NATIONAL ENVIRONMENTAL BALANCING BUREAU PROCEDURAL STANDARDS; OR ASSOCIATED AIR BALANCE COUNCIL NATIONAL STANDARDS OR AS APPROVED BY THE ENFORCING AGENCY.

CALGREEN NOTES

1. LINE ALL EXTERIOR PLENUMS WITH 2" DUCT INSULATION AT EXTERIOR OF CHASE.
2. ALL DIFFUSERS SHALL BE LEFT IN FULL OPEN POSITION. ANY SYSTEM BALANCING SHALL BE ACCOMPLISHED BY DUCT DAMPERS.
3. ALL WORK SHALL BE IN ACCORDANCE WITH 2013 C.B.C. & C.M.C.
4. ALL PENETRATIONS THROUGH ROOF SYSTEM SHALL BE COORDINATED WITH THE GENERAL & ROOFING CONTRACTORS.
5. THE MECHANICAL CONTRACTOR SHALL VERIFY CURB REQUIREMENTS AND SUPPLY THE REQUIRED CURB AND/OR OTHER ITEMS REQUIRED TO FIT THE HVAC UNIT TO THE DESIGNATED AREAS.
6. ALL THERMOSTATS SHALL BE OF THE SETBACK VARIETY AND SHALL HAVE SET POINTS INDICATING 68 DEGREES ON HEATING AND 78 DEGREES ON COOLING.
7. ALL DUCTWORK USED ON THIS PROJECT SHALL BE INSULATED WITH A R-8 RATED DUCT AND A ETHELYENE OUTER WRAP.
8. COORDINATE THE INSTALLATION OF THE GAS SERVICE TO THE HVAC UNIT WITH THE PLUMBING CONTRACTOR.
9. SUPPLY AND INSTALL UNIT WITH PROPER ANCHORAGE.
10. SIZE DIFFUSERS AT GYPSUM BOARD CEILINGS PER MANUFACTURERS CATALOG NUMBER FOR DUCT SIZE.
11. COORDINATE DUCTWORK RUNS TO AVOID CROSSOVER PROBLEMS AT RESTRICTED CLEARANCE AREAS.
12. SUPPLY THE OWNER WITH A COMPLETE PACKAGE INCLUDING MANUALS, OPERATING INSTRUCTIONS, AND WARRANTY CARDS. KEEP ALL MANUALS, MANUFACTURERS SPECS, EVALUATION SERVICE REPORTS, AND OTHER DOCUMENTS REQUIRED FOR THE INSTALLATION OF EQUIPMENT AT THE SITE FOR BUILDING INSPECTOR REVIEW.
13. BALANCE AIR FLOWS, SET OUTDOOR AIR HOODS TO MAXIMUM OPEN POSITION.
14. PROGRAM THERMOSTATS TO OWNERS REQUIREMENTS.
15. MOUNT THERMOSTATS BETWEEN 36" - 48" A.F.F.
16. ALL MATERIALS USED FOR METAL DUCTS SHALL COMPLY SHALL COMPLY WITH CMC SECTION 602.5
17. METAL DUCTS SHALL BE SECURELY FASTENED IN PLACE AT EACH CHANGE OF DIRECTION AND AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. VERTICAL RECTANGULAR DUCTS AND VERTICAL ROUND DUCTS SHALL BE SUPPORTED AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. RISER DUCTS SHALL BE HELD IN PLACE BY MEANS OF METAL STRAPS OR ANGLES AND CHANNELS TO SECURE THE RISER TO THE STRUCTURE.
18. ALL FACTORY MADE AIR DUCT, IF USED, WILL BE CLASS 1 OR 0 LISTED DUCTS, AND SHALL BE STRETCHED AS TIGHT AS POSSIBLE.
19. INSTALLERS SHALL PROVIDE THE MANUFACTURER'S FIELD FABRICATION AND INSTALLATION INSTRUCTIONS. IN THE ABSENCE OF SPECIFIC SUPPORTING MATERIALS AND SPACING, APPROVEDFACTORY-MADE AIR DUCTS MAY BE INSTALLED AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS -METAL AND FLEXIBLE
20. APPROVED MATERIALS SHALL BE INSTALLED WITHIN DUCTS AND PLENUMS FOR INSULATING, SOUND DEADENING, OR OTHER PURPOSES. MATERIALS SHALL HAVE A MOLD, HUMIDITY, AND EROSION-RESISTANT SURFACE THAT MEETS THE REQUIREMENTS OF THE REFERENCED STANDARD FOR AIR DUCTS IN CHAPTER 17.
21. A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPEMENT RATING OF NOT MORE THAN 50 FOR MATERIALS EXPOSED WITHIN THE DUCTS OR PLENUMS. CMC SECTION 602.2
22. INSULATION MATERIALS APPLIED TO THE EXTERIOR OF THE DUCTS, LOCATED IN THE BUILDIGN, ARE TO HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE-DENSITY NOT EXCEEDEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION.
ALL SUPPLY-, RETURN-AIR DUCTS AND PLENUMS OF A HEATING OR COOLING SYSTEM SHALL BE INSULATED TO ACHIEVE THE MINIMUM THERMAL (R) VALUE AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. [OSHPD 1, 2, 3 & 4] COLD AIR DUCTS SHALL BE INSULATED WHEREVER NECESSARY OR TO PREVENT CONDENSATION PROBLEMS.
23. MECHANICAL INSTALLER TO HAVE HAVE A COPY OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS ON SITE AT ALL TIMES DURING THE INSTALLATION FOR BUILDING INSPECTOR REVIEW.

MECHANICAL NOTES

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO CA, 95350

SHEET NO.	PAGE TITLE
M0.0	NOTES
M1.0	GROUND FLOOR AIR DISTRIBUTION PLAN
M2.0	SECOND FLOOR AIR DISTRIBUTION PLAN
M3.0	HVAC ROOF PLAN
M4.0	SCHEDULES & DETAILS
EN-1	TITLE 24 DOCUMENTATION

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REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

SHEET INDEX

SYMBOL	ABBREVIATION	DESCRIPTION
⊠	SAD	SUPPLY AIR DIFFUSER
▨	RAG	RETURN AIR GRILLE
▨	EAG	EXHAUST AIR GRILLE
┐	MVD	MANUAL VOLUME DAMPER
(T)	STAT	THERMOSTAT
(S)	COS	CO^2 SENSOR
☑	AD	ACCESS DOOR
(R)	RS	REMOTE SENSOR
(SD)	SD	SMOKE DETECTOR
	CFM	CUBIC FEET PER MINUTE
	SA	SUPPLY AIR
	RA	RETURN AIR
	OA	OUTSIDE AIR
	FD	FIRE DAMPER
	FSD	FIRE/SMOKE DAMPER
	VTR	VENT TO ROOF
◓	POC	POINT OF CONNECTION
—— U/C	UC	UNDERCUT DOOR
(E)	FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR	
(M)	FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR	
(ME)	FURNISHED BY MECH & INSTALLED BY ELEC CONTRACTOR	
(P)	FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR	

LEGEND

DEHART Plumbing, Heating & Air, Inc. SINCE 1946
511 ENTRATTO WAY • MODESTO, CA 95356
PH (209) 523-3789 • FAX (209) 523-3851
LICENSE #725466

Matt Ryan
12/12/14

ALL DRAWINGS AND OTHER INFORMATION ON THESE DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT FOR DEHART PLUMBING, HEATING & AIR AND SHALL NOT BE USED OTHERWISE WITHOUT EXPRESS WRITTEN PERMISSION OF DEHART PLUMBING, HEATING & AIR.

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

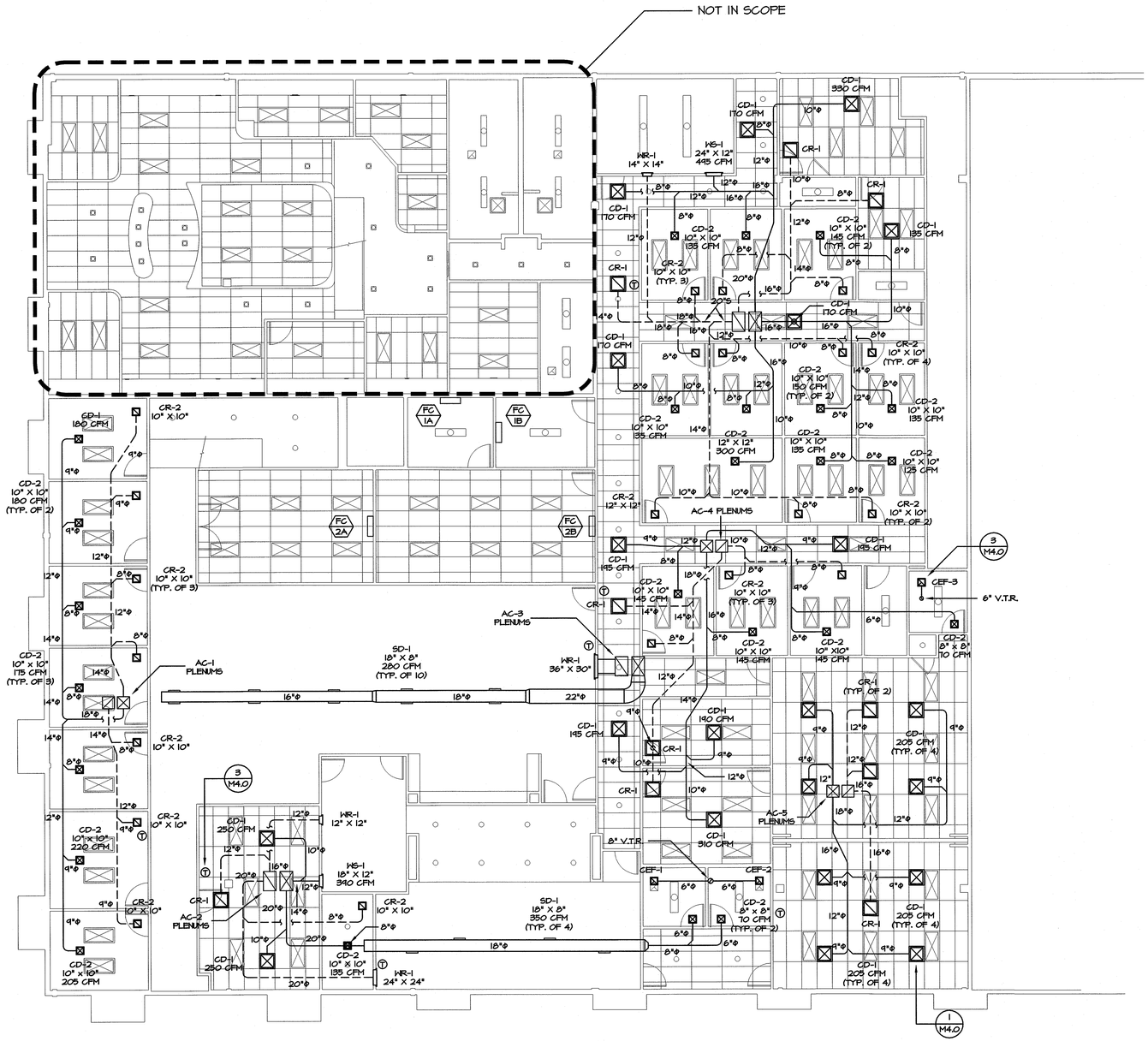
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN:	M. KILLOUGH
CHECKED:	J. HARDIN
DATE:	10/14/14
SCALE:	NONE

NOTES

M0.0



DEHART
Plumbing, Heating & Air, Inc.
SINCE 1946
311 BYRETTO WAY • MODESTO, CA 95356
PH (209) 525-4510 • FAX (209) 525-4097
LICENSE # 724566

12/12/14

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DEC 30 2014

By _____ Permit No. _____

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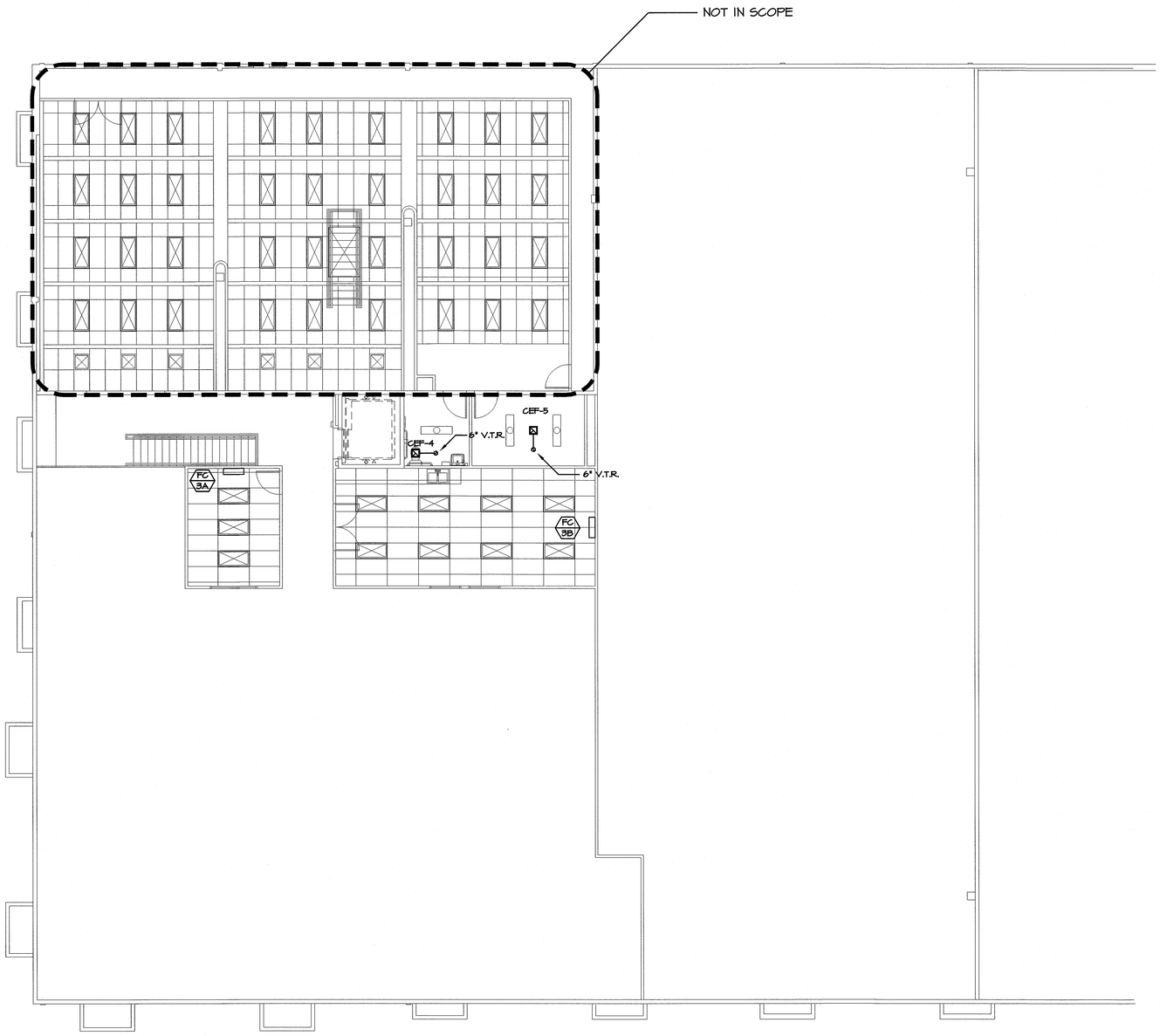
REVISIONS:

DRAWN:	M. KILLOUGH
CHECKED:	J. HARDIN
DATE:	10/14/14
SCALE:	1/8" = 1'-0"

GROUND FLOOR AIR DISTRIBUTION PLAN

M1.0



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DEHART
Plumbing, Heating & Air, Inc.
SINCE 1946
311 ENTRATTO WAY • MODESTO, CA 95356
PH (209) 523-6718 • FAX (209) 523-8971
LICENSE #726566
12/12/14

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN:	M. KILLOUGH
CHECKED:	J. HARDIN
DATE:	10/14/14
SCALE:	1/8" = 1'-0"

SECOND FLOOR AIR DISTRIBUTION PLAN

M2.0

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DEHART
Plumbing, Heating & Air, Inc.
SINCE 1946
311 BYRKIT AVE * MODESTO, CA 95351
PH (209) 522-4673 * FAX (209) 522-4697
LICENSE #724456

Matt Kerr
12/12/14

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CENTER FOR HUMAN SERVICES

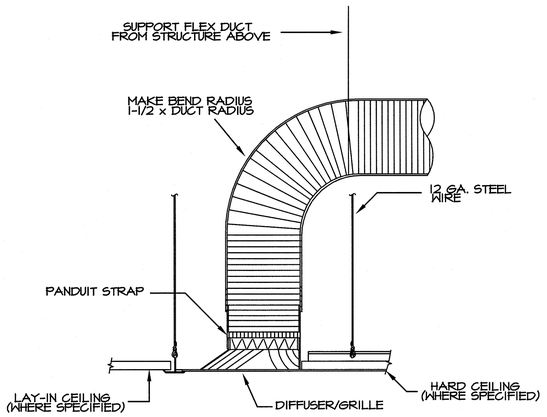
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

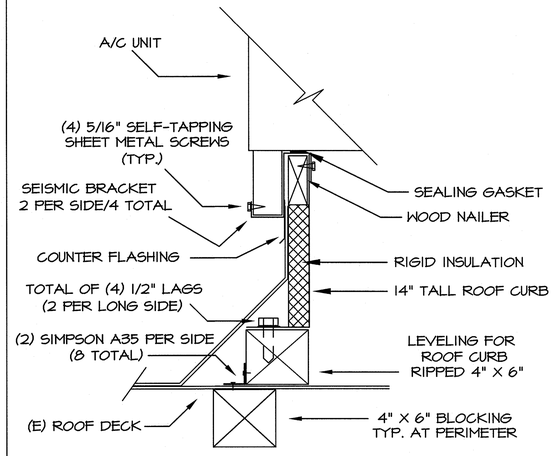
DRAWN:	M. KILLOUGH
CHECKED:	J. HARDIN
DATE:	10/14/14
SCALE:	1/8" = 1'-0"

HVAC ROOF PLAN

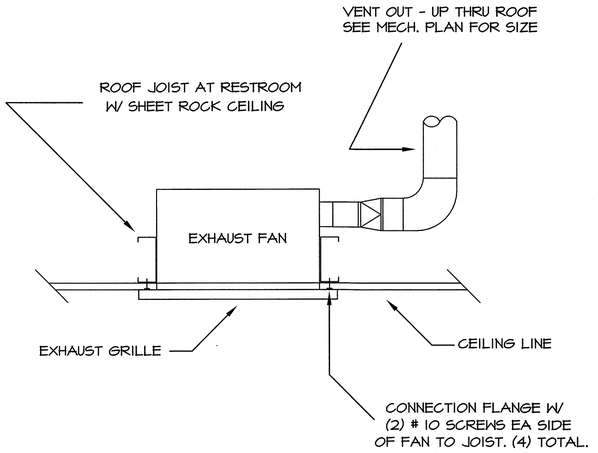
M3.0



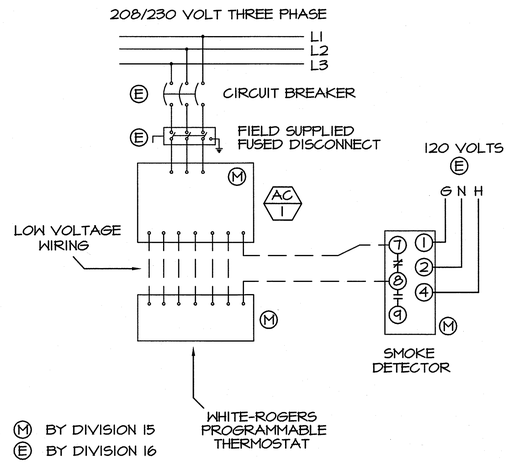
CEILING DIFFUSER DETAIL | 1



ROOF CURB DETAIL | 2



CEILING EXHAUST FAN DETAIL | 3



HIGH & LOW VOLTAGE DETAIL | 4

MARK	MAKE	MODEL	CFM	COOLING BTU	HEATING BTU	VOLTAGE	B.H.P.	M.C.A.	MOCP	WEIGHT	O.A. CFM	EER/SEER
AC-1	YORK	ZF048N06N2AAA2	1,600	50,800	75,000	208-230/3	1.14	21.5	30.0	601 LBS.	155	11.0/13.0
AC-2	YORK	ZF090N10H2EZZ5	3,000	90,700	120,000	208-230/3	1.53	39.8	50.0	1,065 LBS.	260	11.20 EER
AC-3	YORK	ZF090N10H2EZZ5	3,000	90,700	120,000	208-230/3	1.53	39.8	50.0	1,065 LBS.	260	11.20 EER
AC-4	YORK	ZF060N08N2AAA2	2,000	59,800	100,000	208-230/3	1.14	25.1	35.0	639 LBS.	426	10.8/13.0
AC-5	YORK	ZF060N08N2AAA2	2,000	59,800	100,000	208-230/3	1.14	25.1	35.0	639 LBS.	426	10.8/13.0
AC-6	YORK	ZF090N10H2EZZ5	3,000	90,700	120,000	208-230/3	1.53	39.8	50.0	1,065 LBS.	360	11.20 EER

NOTES:

1. PROVIDE SMOKE DETECTORS IN SUPPLY DUCT PER 2013 C.M.C.
2. ALL MECHANICAL EQUIPMENT SHOULD BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY
3. PROVIDE ECONOMIZERS/BAROMETRIC RELIEF ON ALL UNITS.

YORK PACKAGE UNIT SCHEDULE | 5

MARK	MAKE	MODEL	SIZE	OPTIONS
CD-1	SHOEMAKER	825	24" X 24"	
CR-1	SHOEMAKER	830	24" X 24"	
CD-2	SHOEMAKER	MA	AS NOTED	W/ OBD
CR-2	SHOEMAKER	905	AS NOTED	
WS-1	SHOEMAKER	903	AS NOTED	W/ OBD
WR-1	SHOEMAKER	905	AS NOTED	
SD-1	TITUS	S300FL	AS NOTED	

DIFFUSER SCHEDULE | 6

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MARK	MAKE	MODEL	CFM	E.S.P.	SONES	VOLTAGE	AMPS	WEIGHT
CEF-1	BROAN	L100	93	0.25"	1.3	115	1.1	23 LBS.
CEF-2	BROAN	L100	93	0.25"	1.3	115	1.1	23 LBS.
CEF-3	BROAN	L100	93	0.25"	1.3	115	1.1	23 LBS.
CEF-4	BROAN	L100	93	0.25"	1.3	115	1.1	23 LBS.
CEF-5	BROAN	L150	149	0.25"	2.0	115	1.3	23 LBS.

EXHAUST FAN SCHEDULE | 7

MARK	MAKE	MODEL	CFM	COOLING BTU	HEATING BTU	VOLTAGE	SUPPLY FAN	M.C.A.	MOCP	WEIGHT	O.A. CFM	EER/SEER
HP-1	MITSUBISHI	MXZ-3B30NA-1	———	28,400	36,000	208/230/1	———	18.0	20.0	150 LBS.	———	9.1/17.5
FC-1A	MITSUBISHI	MSZ-GE12NA-8	406	12,000	14,400		———			22 LBS.	16	
FC-1B	MITSUBISHI	MSZ-GE18NA-8	512	17,200	21,600		———			22 LBS.	18	
HP-2	MITSUBISHI	MXZ-3B30NA-1	———	28,400	36,000	208/230/1	———	18.0	20.0	150 LBS.	———	9.1/17.5
FC-2A	MITSUBISHI	MSZ-GE12NA-8	406	12,000	14,400		———			22 LBS.	180	
FC-2B	MITSUBISHI	MSZ-GE18NA-8	512	17,200	21,600		———			22 LBS.	68	
HP-3	MITSUBISHI	MXZ-3B24NA-1	———	22,000	25,000	208/230/1	———	18.0	20.0	150 LBS.	———	12.5/17.5
FC-3A	MITSUBISHI	MSZ-GE06NA-8	406	6,000	7,200		———			22 LBS.	95	
FC-3B	MITSUBISHI	MSZ-GE18NA-8	512	17,200	21,600					22 LBS.	256	

MITSUBISHI DUCTLESS UNIT SCHEDULE | 8

DEHART Plumbing, Heating & Air, Inc.
SINCE 1946
511 BERRITO WAY • MODESTO, CA 95356
PH (209) 523-4556 • FX (209) 523-4601
LICENSE #724540

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PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE 1
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: M. KILLOUGH
CHECKED: J. HARDIN
DATE: 10/14/14
SCALE: NONE

SCHEDULES & DETAILS

M4.0

MECHANICAL EQUIPMENT DETAILS (Part 1 of 2) NRCC-MCH-08-E

Project Name: Center for Human Services | Date: 11/3/2014

CHILLER AND TOWER SUMMARY

Equipment Name	Type	Qty.	Efficiency	Tons	Qty.	GPM	BHP	Pump Control

DHW / BOILER SUMMARY

System Name	Type	Distribution	Qty.	Rated Input	Vol. (Gals)	Energy Factor or RE	Standby Loss or Pilot	Tank Ext. R-Value	Status

MULTI-FAMILY CENTRAL WATER HEATING DETAILS

Control	Hot Water Pump Qty.	HP	Type	In Plenum	Outside	Buried	Add ½" Insulation
							☐

CENTRAL SYSTEM RATINGS

System Name	Type	Qty.	Heating Output	Aux. kW	Heating Efficiency	Cooling Output	Cooling Efficiency	Status
AC1 York ZF048N06	Packaged DX	1	75,000	0.0	7.70 HSPF	50,800	13.0 SEER / 11.0 EER	New
AC2 AC3 York ZF090N10	Packaged DX	2	120,000	0.0	4.80 COP	90,700	11.2 EER	New
AC4 AC5 York ZF060N08	Packaged DX	1	100,000	0.0	7.70 HSPF	59,800	13.0 SEER / 10.8 EER	New
AC6 York ZF090N10	Packaged DX	1	120,000	0.0	4.80 COP	90,700	11.2 EER	New
HP1 MXZ3B30NA	Split DX	1	36,000	0.0	8.80 HSPF	28,400	17.0 SEER / 9.1 EER	New
HP2 MXZ3B30NA	Split DX	1	36,000	0.0	8.80 HSPF	28,400	17.0 SEER / 9.1 EER	New
HP3 MXZ3B24NA	Split DX	1	25,000	0.0	8.80 HSPF	22,000	17.5 SEER / 12.5 EER	New

CENTRAL SYSTEM FAN SUMMARY

System Name	Fan Type	Economizer Type	Supply Fan CFM	Supply Fan BHP	Return Fan CFM	Return Fan BHP
AC1 York ZF048N06	Constant Volume	Fixed Temp (Integrated)	1,600	1.14	none	
AC2 AC3 York ZF090N10	Constant Volume	Fixed Temp (Integrated)	3,000	1.50	none	
AC4 AC5 York ZF060N08	Constant Volume	Fixed Temp (Integrated)	2,000	1.14	none	
AC6 York ZF090N10	Constant Volume	Fixed Temp (Integrated)	3,000	1.50	none	
HP1 MXZ3B30NA	Constant Volume	No Economizer	918	0.10	none	
HP2 MXZ3B30NA	Constant Volume	No Economizer	918	0.10	none	
HP3 MXZ3B24NA	Constant Volume	No Economizer	918	0.10	none	

MECHANICAL EQUIPMENT DETAILS (Part 2 of 2) NRCC-MCH-08-E

Project Name: Center for Human Services | Date: 11/3/2014

ZONE SYSTEM SUMMARY

Zone Name	System Name	Type	Qty.	Heating	Cooling	Min CFM Ratio	Reheat Coil	Fan CFM	Fan BHP	Fan Cycles	ECM Motor	Outside Air
										☐	☐	

EXHAUST FAN SUMMARY

Room Name	Qty.	CFM	BHP	Room Name	Qty.	CFM	BHP
Restroom 167	1.0	93	0.08				
Restroom 168	1.0	93	0.08				
Test 161	1.0	93	0.08				

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-03-E
Mechanical Ventilation & Reheat (Page 1 of 2)
Project Name: Center for Human Services Date Prepared: 11/3/2014

A ZONE/ SYSTEM/ VAV BOX TAG	B DESIGN PRIMARY COOLING AIRFLOW (CFM)	C DESIGN PRIMARY DEAD-BAND AIRFLOW (CFM)	D DESIGN PRIMARY HEATING AIRFLOW (CFM)	E CNTRL TYPE DDC (Y/N)	F TRANSFER AIRFLOW (CFM)	G CONDI-TIONED AREA (ft²)	H MIN CFM PER AREA	I MIN CFM BY AREA	J NUM. OF PEOPLE	K CFM PER PERSON	L MIN CFM BY OCCU-PANT	M REQ'D VENT AIRFLOW (MAX OF I OR L) (CFM)	N COM-PLIES	O BASED DESIGN PRIMARY COOLING AIR (50% DDC, 30% NON-DDC) (CFM)	P MAXIMUM REHEAT CFM (MAX OF M OR O)	Q COM-PLIES?	R AIR (20% DDC, N/A NON-DDC) (CFM)	S (larger of M or R, N/A for NON-DDC) (CFM)	T COM-PLIES
Offices						1,034	0.15	155	10.3	15.0	155	155	Y						
											Total	155							
Financ						355	0.15	53	3.6	15.0	53	53	Y						
Lobby						1,084	0.15	163	10.8	15.0	163	163	Y						
Corrid						279	0.15	42	2.8	15.0	42	42	Y						
Gen O						1,295	0.15	194	13.0	15.0	194	194	Y						
Corrid						456	0.15	68	4.6	15.0	68	68	Y						
											Total	520							
Confer						153	0.50	77	10.3	7.5	77	77	Y						
Corrid						1,102	0.15	165	11.0	15.0	165	165	Y						
Offices						357	0.15	54	3.6	15.0	54	54	Y						

Yellow shaded cells require user input. Remaining cells are protected and automatic
B. The largest amount of primary air supplied by the terminal unit when it's operating in the cooling mode.
C. The smallest amount of primary air supplied by the terminal unit in the deadband mode.
D. The largest amount of primary air supplied by the terminal unit when it's operating in the heating mode.
E. A terminal unit can be controlled with DDC controls, or non-DDC controls. Each control category has different reheat limitations in code.
F. Transfer Air must be provided where Required Ventilation Airflow (Column M) is greater than the Design Primary Deadband Airflow (Column C).
H. Minimum ventilation rate per Section §120.1. Table 120.1-A.
J. Based on number of fixed seats where applicable or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.
M. Required Ventilation Airflow (Req'd Ventilation Airflow) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column I or L)
N. This column identifies whether or not the Design Primary Deadband Airflow complies or not. It compares the value in column M to the value in column C and column F.
O. Design Primary Cooling Airflow * 0.50 for DDC, Design Primary Cooling Airflow * 0.30 for Non-DDC. If the Design Primary Cooling Airflow is less than 300 cfm, then this is not applicable.
P. Maximum of Column M and Column O. If the Design Primary Cooling Airflow is 300 cfm or less, then this is not applicable.
Q. This column identifies whether or not the Design Primary Reheat Airflow at the zone level, complies or not. It compares the value in column P to the value in column D.
R. Design Primary Cooling Airflow * 0.20 for DDC. Not applicable for Non-DDC zones or zones where Design Primary Cooling Airflow is 300 cfm or less.
S. Maximum of Column M and Column R. Not applicable if the Design Primary Cooling Airflow is 300 cfm or less.
T. This column identifies whether or not the Design Primary Deadband Airflow at the zone level, complies or not. It compares the value in column S to the value in column C.

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-03-E
Mechanical Ventilation & Reheat (Page 1 of 2)
Project Name: Center for Human Services Date Prepared: 11/3/2014

A ZONE/ SYSTEM/ VAV BOX TAG	B	C	D	E	F	G CONDI-TIONED AREA (ft²)	H MIN CFM PER AREA	I MIN CFM BY AREA	J NUM. OF PEOPLE	K CFM PER PERSON	L MIN CFM BY OCCU-PANT	M REQ'D VENT AIRFLOW (CFM)	N COM-PLIES	O	P	Q	R	S	T
Confer						1,113	0.50	557	74.6	7.5	557	557	Y						
											Total	852							
Corrid						695	0.15	104	7.0	15.0	104	104	Y						
Offices						981	0.15	147	9.8	15.0	147	147	Y						
Confer						218	0.50	109	14.6	7.5	109	109	Y						
											Total	360							
Server						122	0.15	18	0.4	50.0	18	18	Y						
Equipr						105	0.15	16	0.3	50.0	16	16	Y						
											Total	34							
Break						450	0.15	68	4.5	15.0	68	68	Y						
Confer						360	0.50	180	24.1	7.5	180	180	Y						

Yellow shaded cells require user input. Remaining cells are protected and automatic
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M. Required Ventilation Airflow (Req'd Ventilation Airflow) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column I or L)
N. This column identifies whether or not the Design Primary Deadband Airflow complies or not. It compares the value in column M to the value in column C and column F.
O. Design Primary Cooling Airflow * 0.50 for DDC, Design Primary Cooling Airflow * 0.30 for Non-DDC. If the Design Primary Cooling Airflow is less than 300 cfm, then this is not applicable.
P. Maximum of Column M and Column O. If the Design Primary Cooling Airflow is 300 cfm or less, then this is not applicable.
Q. This column identifies whether or not the Design Primary Reheat Airflow at the zone level, complies or not. It compares the value in column P to the value in column D.
R. Design Primary Cooling Airflow * 0.20 for DDC. Not applicable for Non-DDC zones or zones where Design Primary Cooling Airflow is 300 cfm or less.
S. Maximum of Column M and Column R. Not applicable if the Design Primary Cooling Airflow is 300 cfm or less.
T. This column identifies whether or not the Design Primary Deadband Airflow at the zone level, complies or not. It compares the value in column S to the value in column C.
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STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-03-E
Mechanical Ventilation & Reheat (Page 1 of 2)
Project Name: Center for Human Services Date Prepared: 11/3/2014

A ZONE/ SYSTEM/ VAV BOX TAG	B	C	D	E	F	G CONDI-TIONED AREA (ft²)	H MIN CFM PER AREA	I MIN CFM BY AREA	J NUM. OF PEOPLE	K CFM PER PERSON	L MIN CFM BY OCCU-PANT	M REQ'D VENT AIRFLOW (CFM)	N COM-PLIES	O	P	Q	R	S	T
											Total	248							
Confer						189	0.50	95	12.7	7.5	95	95	Y						
Confer						512	0.50	256	34.3	7.5	256	256	Y						
											Total	351							

Yellow shaded cells require user input. Remaining cells are protected and automatic
B. The largest amount of primary air supplied by the terminal unit when it's operating in the cooling mode.
C. The smallest amount of primary air supplied by the terminal unit in the deadband mode.
D. The largest amount of primary air supplied by the terminal unit when it's operating in the heating mode.
E. A terminal unit can be controlled with DDC controls, or non-DDC controls. Each control category has different reheat limitations in code.
F. Transfer Air must be provided where Required Ventilation Airflow (Column M) is greater than the Design Primary Deadband Airflow (Column C).
H. Minimum ventilation rate per Section §120.1. Table 120.1-A.
J. Based on number of fixed seats where applicable or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.
M. Required Ventilation Airflow (Req'd Ventilation Airflow) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column I or L)
N. This column identifies whether or not the Design Primary Deadband Airflow complies or not. It compares the value in column M to the value in column C and column F.
O. Design Primary Cooling Airflow * 0.50 for DDC, Design Primary Cooling Airflow * 0.30 for Non-DDC. If the Design Primary Cooling Airflow is less than 300 cfm, then this is not applicable.
P. Maximum of Column M and Column O. If the Design Primary Cooling Airflow is 300 cfm or less, then this is not applicable.
Q. This column identifies whether or not the Design Primary Reheat Airflow at the zone level, complies or not. It compares the value in column P to the value in column D.
R. Design Primary Cooling Airflow * 0.20 for DDC. Not applicable for Non-DDC zones or zones where Design Primary Cooling Airflow is 300 cfm or less.
S. Maximum of Column M and Column R. Not applicable if the Design Primary Cooling Airflow is 300 cfm or less.
T. This column identifies whether or not the Design Primary Deadband Airflow at the zone level, complies or not. It compares the value in column S to the value in column C.
CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-02-E
HVAC Dry System Requirements (Page 1 of 3)
Project Name: Center for Human Services Date Prepared: 11/3/2014

Equipment Tags and System Description[1]		AC1	AC2 AC3	AC4 AC5
MANDATORY MEASURES	*T-24 Sections*	*Reference to the Requirements in the Contract Documents[2]*		
Heating Equipment Efficiency[3]	110.1 or 110.2(a)			
Cooling Equipment Efficiency[3]	110.1 or 110.2(a)			
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)			
Furnace Standby Loss Control	110.2(d)			
Low leakage AHUs	110.2(f)			
Ventilation[4]	120.1(b)			
Demand Control Ventilation[5]	120.1(c)4			
Occupant Sensor Ventilation Control[6]	120.1(c)5, 120.2(e)3			
Shutoff and Reset Controls[7]	120.2(e)			
Outdoor Air and Exhaust Damper Control	120.2(f)			
Isolation Zones	120.2(g)			
Automatic Demand Shed Controls	120.2(h)			
Economizer FDD	120.2(i)			
Duct Insulation	120.4			
PRESCRIPTIVE MEASURES				
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	Y Y/N	Y Y/N	Y Y/N
Supply Fan Pressure Control	140.4(c)			
Simultaneous Heat/Cool[8]	140.4(d)			
Economizer	140.4(e)			
Heat and Cool Air Supply Reset	140.4(f)			
Electric Resistance Heating[9]	140.4(g)			
Duct Leakage Sealing and Testing.[10]	140.4(l)			

Notes:
1. *Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.*
2. *Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.*
3. *The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.*
4. *Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more space is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E form.*
5. *If one or more space has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.*
6. *If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation*
7. *If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).*
8. *Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E form.*
9. *Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.*
10. *If duct leakage sealing and testing is required, a MCH-04-A form must be submitted.*

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-02-E
HVAC Dry System Requirements (Page 1 of 3)
Project Name: Center for Human Services Date Prepared: 11/3/2014

Equipment Tags and System Description[1]		AC6	HP1	HP2
MANDATORY MEASURES	*T-24 Sections*	*Reference to the Requirements in the Contract Documents[2]*		
Heating Equipment Efficiency[3]	110.1 or 110.2(a)			
Cooling Equipment Efficiency[3]	110.1 or 110.2(a)			
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)			
Furnace Standby Loss Control	110.2(d)			
Low leakage AHUs	110.2(f)			
Ventilation[4]	120.1(b)			
Demand Control Ventilation[5]	120.1(c)4			
Occupant Sensor Ventilation Control[6]	120.1(c)5, 120.2(e)3			
Shutoff and Reset Controls[7]	120.2(e)			
Outdoor Air and Exhaust Damper Control	120.2(f)			
Isolation Zones	120.2(g)			
Automatic Demand Shed Controls	120.2(h)			
Economizer FDD	120.2(i)			
Duct Insulation	120.4			
PRESCRIPTIVE MEASURES				
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	Y Y/N	Y Y/N	Y Y/N
Supply Fan Pressure Control	140.4(c)			
Simultaneous Heat/Cool[8]	140.4(d)			
Economizer	140.4(e)			
Heat and Cool Air Supply Reset	140.4(f)			
Electric Resistance Heating[9]	140.4(g)			
Duct Leakage Sealing and Testing.[10]	140.4(l)			

Notes:
1. *Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.*
2. *Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.*
3. *The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.*
4. *Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more space is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E form.*
5. *If one or more space has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.*
6. *If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation*
7. *If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).*
8. *Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E form.*
9. *Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.*
10. *If duct leakage sealing and testing is required, a MCH-04-A form must be submitted.*
CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
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HVAC Dry System Requirements (Page 1 of 3)
Project Name: Center for Human Services Date Prepared: 11/3/2014

Equipment Tags and System Description[1]		HP3		
MANDATORY MEASURES	*T-24 Sections*	*Reference to the Requirements in the Contract Documents[2]*		
Heating Equipment Efficiency[3]	110.1 or 110.2(a)			
Cooling Equipment Efficiency[3]	110.1 or 110.2(a)			
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)			
Furnace Standby Loss Control	110.2(d)			
Low leakage AHUs	110.2(f)			
Ventilation[4]	120.1(b)			
Demand Control Ventilation[5]	120.1(c)4			
Occupant Sensor Ventilation Control[6]	120.1(c)5, 120.2(e)3			
Shutoff and Reset Controls[7]	120.2(e)			
Outdoor Air and Exhaust Damper Control	120.2(f)			
Isolation Zones	120.2(g)			
Automatic Demand Shed Controls	120.2(h)			
Economizer FDD	120.2(i)			
Duct Insulation	120.4			
PRESCRIPTIVE MEASURES				
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	Y Y/N	Y/N	Y/N
Supply Fan Pressure Control	140.4(c)			
Simultaneous Heat/Cool[8]	140.4(d)			
Economizer	140.4(e)			
Heat and Cool Air Supply Reset	140.4(f)			
Electric Resistance Heating[9]	140.4(g)			
Duct Leakage Sealing and Testing.[10]	140.4(l)			

Notes:
1. *Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.*
2. *Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.*
3. *The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.*
4. *Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more space is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E form.*
5. *If one or more space has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.*
6. *If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation*
7. *If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).*
8. *Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E form.*
9. *Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.*
10. *If duct leakage sealing and testing is required, a MCH-04-A form must be submitted.*
CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-01-E
Mechanical Systems (Page 1 of 3)
Project Name: Center for Human Services Date Prepared: 11/3/2014

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual
Note: The Enforcement Agency may require all forms to be incorporated onto the building plans.

YES	NO	Form/Worksheet #	Title
☑	☐	NRCC-MCH-01-E (Part 1 of 3)	Certificate of Compliance, Declaration. Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 2 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-02A to 11A). Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 3 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-12A to 18A). Required on plans where applicable.
☑	☐	NRCC-MCH-02-E (Part 1 of 2)	Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans.
☑	☐	NRCC-MCH-02-E (Part 2 of 2)	Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water systems. It is optional on plans.
☑	☐	NRCC-MCH-03-E	Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is optional on plans.

MECHANICAL HVAC ACCEPTANCE FORMS (check box for required forms)

Designer:
This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.

Installing Contractor:
The contractor who installed the equipment is responsible to either conduct the acceptance test them self or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.

Enforcement Agency:
Plancheck – The NRCC-MCH-01-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description: Equipment Requiring Testing or Verification	# of units	MCH-02A Outdoor Air	MCH-03A Single Zone Unitary	MCH-04A Air Distribution Ducts	MCH-05A Economizer Controls	MCH-06A Demand Control Ventilation (DCV)	MCH-07A Supply Fan VAV	MCH-08A Valve Leakage Test	MCH-09A Supply Water Temp. Reset	MCH-10A Hydronic System Variable Flow Control	MCH-11A Automatic Demand Shed Control
AC1 York ZF04	1	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐
AC2 AC3 York	2	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐
AC4 AC5 York	1	☑	☑	☑	☑	☑	☐	☐	☐	☐	☐
AC6 York ZF09	1	☑	☑	☑	☑	☑	☐	☐	☐	☐	☐
HP1 MXZ3B3O	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
HP2 MXZ3B3C	1	☑	☑	☐	☐	☑	☐	☐	☐	☐	☐

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MECHANICAL SYSTEMS
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Mechanical Systems (Page 1 of 3)
Project Name: Center for Human Services Date Prepared: 11/3/2014

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

YES	NO	Form/Worksheet #	Title
☑	☐	NRCC-MCH-01-E (Part 1 of 3)	Certificate of Compliance, Declaration. Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 2 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-02A to 11A). Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 3 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-12A to 18A). Required on plans where applicable.
☑	☐	NRCC-MCH-02-E (Part 1 of 2)	Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans.
☑	☐	NRCC-MCH-02-E (Part 2 of 2)	Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water systems. It is optional on plans.
☑	☐	NRCC-MCH-03-E	Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is optional on plans.

MECHANICAL HVAC ACCEPTANCE FORMS (check box for required forms)

Test Description: Equipment Requiring Testing or Verification	# of units	MCH-02A Outdoor Air	MCH-03A Single Zone Unitary	MCH-04A Air Distribution Ducts	MCH-05A Economizer Controls	MCH-06A Demand Control Ventilation (DCV)	MCH-07A Supply Fan VAV	MCH-08A Valve Leakage Test	MCH-09A Supply Water Temp. Reset	MCH-10A Hydronic System Variable Flow Control	MCH-11A Automatic Demand Shed Control
HP3 MXZ3B24	1	☑	☑	☐	☐	☑	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-01-E
Mechanical Systems (Page 2 of 3)
Project Name: Center for Human Services Date Prepared: 11/3/2014

MECHANICAL HVAC ACCEPTANCE FORMS (check box for required forms)

The following tests require a

Test Description: Equipment Requiring Testing or Verification	# of units	MCH-12A Fault Detection & Diagnostics for DX Units	MCH-13A Automatic Fault Detection & Diagnostics for Air & Zone	MCH-14A Distributed Energy Storage DX AC Systems	MCH-15A Thermal Energy Storage (TES) Systems	MCH-16A Supply Air Temperature Reset Controls	MCH-17A Condenser Water Reset Controls	MCH-18A ECMS
AC1 York ZF04	1	☐	☐	☐	☐	☐	☐	☐
AC2 AC3 York	2	☑	☐	☐	☐	☐	☐	☐
AC4 AC5 York	1	☑	☐	☐	☐	☐	☐	☐
AC6 York ZF09	1	☑	☐	☐	☐	☐	☐	☐
HP1 MXZ3B3O	1	☐	☐	☐	☐	☐	☐	☐
HP2 MXZ3B3C	1	☐	☐	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
ENVELOPE COMPONENT APPROACH
CEC-NRCC-ENV-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-ENV-01-E
Envelope Component Approach (Page 1 of 4)
Project Name: Center for Human Services Date Prepared: 11/3/2014

A. GENERAL INFORMATION

1	Project Location:	2000 W Briggsmore Ste I	6	Compliance Method:	☑ Component ☐ Unconditioned (file Affidavit)
2	CA City and Zip Code:	Modesto, 95350	7	Building Front Orientation (deg or cardinal):	0 deg
3	Climate Zone:	12	8	Permitted Scope of Work	☐ New Construction ☐ Addition ☑ Alteration
4	Total Conditioned Floor Area:	10,860	9	Building Type(s)	☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel Guest Room
5	☐ Schools (Public School) ☐ Relocatable Public School Bldg. ☑ Conditioned Spaces ☑ Unconditioned Spaces ☐ Skylight Area for Large Enclosed Space > 5000 ft² (If checked include the NRCC-ENV-04-E with submittal)				

B. ENVELOPE DETAILS – Framed

1 Tag/ID	2 Assembly Type	3 Frame Material	4 Frame Depth	5 Frame Spacing	6 Appendix JA4 Reference	7 Cavity R-value	8 Continuous Insulation R-value	9 Proposed U-Factor	10 Required U-Factor From Tables, B, C, D	11 Comments
1	Roof	Wood	2x12 @ 1(		4.2.2-A17	30	0.0	0.035		R-30 Roof Cathedral

C. ENVELOPE DETAILS – Non-framed

1 Tag/ID	2 Assembly Type	3 Assembly Materials	4 Thickness (inches)	5 Interior or Core Insulation R-value	6 Continuous Insulation R-value	7 Appendix JA4 Reference	8 Proposed U-Factor	9 Required U-Factor From Tables, B, C, D	10 Comments
1	Door	Wood, 1-3/4 in.		0	0.0	4.5.1-A4	0.500		Wood Door

D. ENVELOPE DETAILS – Mass

1 Tag/ID	2 Mass Type	3 Density (lb/ft³)	4 Mass Thickness (inches)	5 Furring Strip Thickness (inches)	6 Interior Insulation R-value	7 Exterior Insulation R-value	8 Appendix JA4 Reference	9 Proposed Insulation U-factor	10 Required U-Factor From Tables, B, C, D	11 Comments
1	Wall	14.4			13.0	0.0	4.3.6-D5	0.086		6" Concrete Wall
2	Wall	14.4			13.0	0.0	4.3.6-D5	0.086		6" Concrete Wall

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Envelope Component Approach (Page 2 of 4)
Project Name: Center for Human Services Date Prepared: 11/3/2014

E. ROOFING PRODUCTS (COOL ROOF)

1 Mass Roof 25 lb ft2 or greater	2 Roof Pitch	3 CRRC Product ID Number	4 Product Type	5 Proposed Aged Solar Reflectance	6 Proposed Thermal Emittance	7 SRI² (Optional)	8 Minimum Required Aged Solar Reflectance	9 Minimum Required Thermal Emittance	10 SRI (optional)	11 Comments
☐				☐¹						
☐				☐¹						
☐				☐¹						

☐ An aged solar reflectance less than 0.63 is allowed provided the maximum roof / ceiling U-factor in TABLE 140.3 is not exceeded
☐ High-rise residential buildings and Hotels and Motels with low-sloped roofs in Climate Zones 1 through 8, 12 and 16 are exempted from aged Solar Reflectance and emittance requirements.
☐ High-rise residential buildings and Hotels and Motels with steep-sloped roofs in Climate Zones 1 and 16 are exempt from aged Solar Reflectance and emittance requirements.
☐ The roof area covered by building integrated photovoltaic panels and building integrated solar thermal panels are exempt from aged Solar Reflectance and emittance requirements
To apply **Liquid Field Applied Coatings**, the coating must be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the coatings manufacturer and meet minimum performance requirements listed in §110.8(i)4. Select the applicable coating:
☐ Aluminum-Pigmented Asphalt Roof Coating ☐ Cement-Based Roof Coating ☐ Other ________

NOTES:
1. *Check the box if the aged Solar reflectance was not available in the Cool Roof Rating Council's Rated Product Directory, Then use the equation in Section 110.8(i)2 where the Initial Reflectance value from the same directory and use the equation (0.2+β(ρinitial − 0.2) to obtain a calculated aged value. Where ρ is the Initial Solar Reflectance and B is either set to 0.65 for Field-Applied Coatings or it is set to 0.70 for all other roofing products other than Field-Applied Coating.*
2. *Calculate the SRI Value by using the SRI-Worksheet at (TBD) and enter the resulting value in the SRI Column above and attach a copy for the SRI-Worksheet NRCC-ENV-03-E to the to this form.*

F. Air Barrier

1 Tag/ID	2 Air Barrier Material Type	3 Air Barrier Assembly Type	4 Whole Building Air Leakage Testing	5 Comments

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ENVELOPE COMPONENT APPROACH
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CERTIFICATE OF COMPLIANCE NRCC-ENV-01-E
Envelope Component Approach (Page 3 of 4)
Project Name: Center for Human Services Date Prepared: 11/3/2014

G. FENESTRATION PROPOSED AREAS AND EFFICIENCIES

1 Tag/ID	2 Fenestration Type	3 Area	4 Orientation N, S, W, E or Roof	5 # of Panes	6 Max U-Factor	7 Overhang	8 Max (R)SHGC	9 Min VT	10 Label	11 Conditions Status	12 Comments
1	New Windows	25	E	2	0.55	No	0.69	0.83		Altered	
2	New Windows	25	E	2	0.55	No	0.69	0.83		Altered	
3	New Windows	25	E	2	0.55	No	0.69	0.83		Altered	
4	New Windows	25	S	2	0.55	No	0.69	0.83		New	

H. ENVELOPE MANDATORY MEASURES

Indicate location on building plans of Mandatory Envelope Measures Note Block: ENV-MM

INSTRUCTIONS TO APPLICANT ENVELOPE COMPLIANCE & WORKSHEETS (check box if worksheet are included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Compliance Manual.

☑	NRCC-ENV-01-E	Certificate of Compliance. Required on plans for all submittals.
☐	NRCC-ENV-04-E	Use when minimum skylight requirements for large enclosed spaces are required in climate zones 2 through 15. Optional on plans.

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) PERF-1C

Project Name: Center for Human Services			Date: 11/3/2014
Project Address: 2000 W Briggsmore Ste I Modesto	Climate Zone: CA Climate Zone 12	Total Cond. Floor Area: 10,860	Addition Floor Area: 10,860

GENERAL INFORMATION

Building Type: ☑ Nonresidential ☐ Relocatable - indicate specific climate zone ☐ High-Rise Residential ☐ Hotel/Motel Guest Room ☐ all climates
Phase of Construction: ☐ New Construction ☐ Addition ☑ Alteration

STATEMENT OF COMPLIANCE

This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.

The documentation author hereby certifies that the documentation is accurate and complete.

Documentation Author
Name: Jeremiah Ellis | Signature: J. Ellis
Company: DuctTesters, Inc | Date: 11/3/2014
Address: 650 N. Wilma Ave | Phone: 209.579.5000
City/State/Zip: Ripon, CA 95366

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110.0, 116.0 through 118.0, and 140.0 through 149.0 of Title 24, Part 6.
Please check one:
ENV. LTG. MECH.
☐ ☐ ☐ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
☐ ☐ ☐ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
☐ ☐ ☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Principal Envelope Designer
Name: | Signature: [signature]
Company: L Street Architects Limited | Date: 12.15.14
Address: 1414 L Street | License #: C8827
City/State/Zip: Modesto, CA 95354 | Phone: 209-575-1415

Principal Mechanical Designer
Name: Matt Killough | Signature: Matt Kru
Company: DeHart Plumbing, Heating & Air | Date: 12/12/14
Address: 311 Bitritto Way | License #: 724566
City/State/Zip: Modesto, CA 95356 | Phone: 209-523-4578

Principal Lighting Designer
Name: | Signature:
Company: Lighting Compliance Not In The Scope Of This Submittal | Date:
Address: | License #:
City/State/Zip: | Phone:

Matt Kru 12/12/14

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)

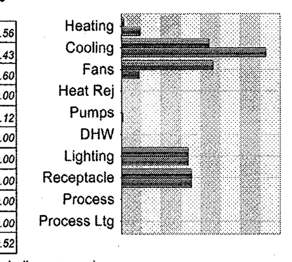
☑	ENV-01	Certificate of Compliance. Required on plans.	☑	MCH-01	Certificate of Compliance. Required on plans.
☐	LTI-01	Certificate of Compliance. Required on plans.	☑	MCH-02	HVAC Air/Water Side Requirements.
☐	LTI-02	Lighting Controls Credit Worksheet.	☑	MCH-03	Mechanical Ventilation and Reheat.
☐	LTI-03	Indoor Lighting Power Allowance.	☑	MCH-08	Mechanical Equipment Details.

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 2 of 3) PERF-1C

Project Name: Center for Human Services | Date: 11/3/2014

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	19.05	2.49	16.56
Space Cooling	145.86	88.43	57.43
Indoor Fans	17.94	92.54	-74.60
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	1.12	0.00	1.12
Domestic Hot Water	0.00	0.00	0.00
Lighting	67.26	67.26	0.00
Receptacle	70.58	70.58	0.00
Process	0.00	0.00	0.00
Process Lighting	0.00	0.00	0.00
TOTALS	321.81	321.29	0.52
Percent better than Standard		0.2 %	(0.2 % excluding process)



BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	(N) 0 deg	Conditioned Floor Area	10,860 sqft.
Number of Stories	2	Unconditioned Floor Area	227 sqft.
Number of Systems	8	Conditioned Footprint Area	10,159 sqft.
Number of Zones	20	Natural Gas Available On Site	Yes

	Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(N)	1,210 sqft.	263 sqft.	21.7 %
Left Elevation	(E)	771 sqft.	144 sqft.	18.6 %
Rear Elevation	(S)	205 sqft.	25 sqft.	12.0 %
Right Elevation	(W)	0 sqft.	0 sqft.	0.0 %
Total		2,186 sqft.	431 sqft.	19.7 %
Roof		10,050 sqft.	0 sqft.	0.0 %

Prescriptive Lighting Power Density: Standard 0.990 W/sqft. Proposed 0.990 W/sqft. Prescriptive Values for Comparison only. See LTI-01 for allowed LPD.

Remarks:

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 3 of 3) PERF-1C

Project Name: Center for Human Services | Date: 11/3/2014

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft.)	Inst. LPD (W/sf)[1]	Ctrl. Credits (W/sf)[2]	Allowed LPD Area (W/sf)[3]	Allowed LPD Tailored (W/sf)[4]	Proc. Loads (W/sf)
AC1	Offices	Office <= 250 sqft	1,034	*1.000				
AC2 AC3	Finance	Office > 250 sqft	355	*0.750				
	Lobby Entry	Lobby, Main Entry	1,084	*1.500				
	Corridor/Support/Restrooms	Corridor/Restroom/Support	279	*0.600				
	Gen Office 118	Office > 250 sqft	1,295	*0.750				
	Corridor/Support/Restrooms	Corridor/Restroom/Support	456	*0.600				
AC4 AC5	Conference	Convention/Conference/Mee	153	*1.400				
	Corridor/Support/Restrooms	Corridor/Restroom/Support	1,102	*0.600				
	Offices	Office <= 250 sqft	357	*1.000				
	Conference	Convention/Conference/Mee	1,113	*1.400				
AC6	Corridor/Support/Restrooms	Corridor/Restroom/Support	695	*0.600				
	Offices	Office <= 250 sqft	981	*1.000				
	Conference	Convention/Conference/Mee	218	*1.400				
	Warehouse	Commercial, Industrial Stora	227	*0.600				
HP1	Server 121	Electrical, Mechanical Room	122	*0.700				
	Equipment 120	Electrical, Mechanical Room	105	*0.700				
HP2	Break Room 119	Corridor/Restroom/Support	450	*0.600				
	Conference 117	Convention/Conference/Mee	360	*1.400				
HP3	Conference 203	Convention/Conference/Mee	189	*1.400				
	Conference 205	Convention/Conference/Mee	512	*1.400				

Notes: 1. See LTI-01 (items marked with asterisk, see LTI-01 by others) 2. See LTI-02 3. See LTI-03 (by others) 4. See LTI-04 — Items above require special documentation

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justifications, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

The HVAC System AC1 incorporates HERS verified Duct Leakage. Target leakage is calculated and documented on the MECH-4-A.
The HVAC System AC2 AC3 incorporates HERS verified Duct Leakage. Target leakage is calculated and documented on the MECH-4-A.
The HVAC System AC4 AC5 includes Demand Control Ventilation per Standards Section 120.1.
The HVAC System AC4 AC5 incorporates HERS verified Duct Leakage. Target leakage is calculated and documented on the MECH-4-A.
The HVAC System AC6 includes Demand Control Ventilation per Standards Section 120.1.
The HVAC System AC6 incorporates HERS verified Duct Leakage. Target leakage is calculated and documented on the MECH-4-A.
The HVAC System HP2 includes Demand Control Ventilation per Standards Section 120.1.
The HVAC System HP3 includes Demand Control Ventilation per Standards Section 120.1.
The HVAC System AC1 York ZF048N06 includes an Economizer. This system has a cooling output < 54,000 Btuh.

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp ________________

This set of plans MUST be kept on the job at all times. It is unlawful to make any changes or alterations on same without written permission from Building Safety Division. City of Modesto.
REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By ________ Permit No. ________
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

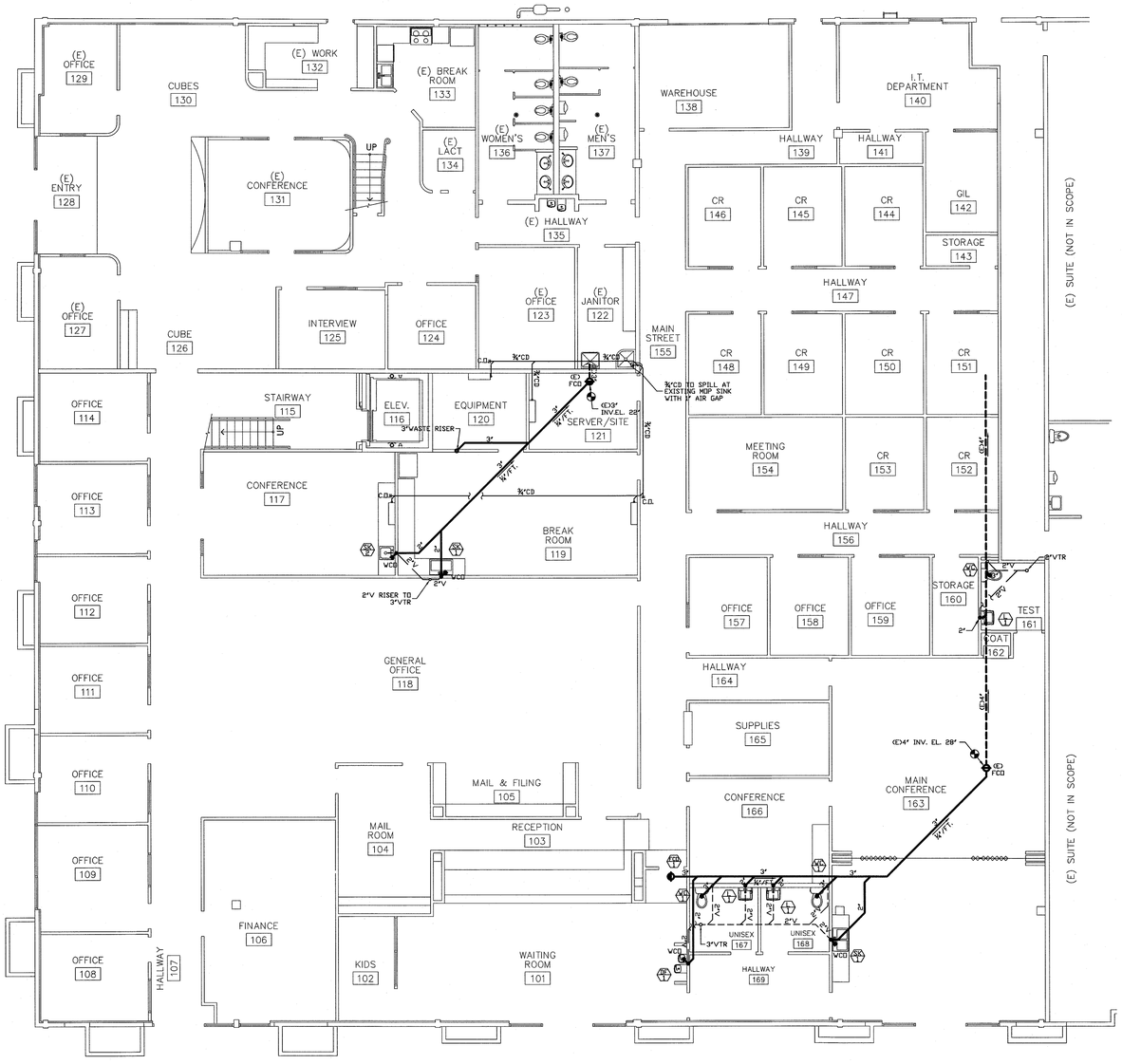
No.	REVISION	DATE

DuctTesters
650 N Wilma Avenue
Ripon, CA 95366
(209) 579-5000
(209) 522-5001

ENERGY FORMS
TITLE-24 COMPLIANCE DOCUMENTS

Center for Human Services
Modesto, CA

DATE CREATED 10/31/2014
SHEET **EN-1**



NOTES:
1. VENT THRU ROOF MUST HAVE 10' CLEARANCE FROM ANY FRESH AIR INTAKE
2. SEE PAGE P4 FOR WASTE SIZING & FIXTURE CONNECTION SCHEDULE
3. TRIP & FLUSH LEVERS SHALL BE ON THE WIDE SIDE

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____

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DEHART
Plumbing, Heating & Air, Inc.
LIC. 1946
311 BITRITTO WAY • MODESTO, CA 95356
PH (209) 523-4578 • FAX (209) 523-4587
LICENSE #724566

12/12/14

ALL DESIGNS AND OTHER INFORMATION ON THESE DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT FOR DEHART PLUMBING, HEATING & AIR, INC AND SHALL NOT BE USED OTHERWISE WITHOUT EXPRESS WRITTEN PERMISSION OF DEHART PLUMBING, HEATING & AIR, INC.

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: H. TURNER

DATE: 10/31/2014

FILE:

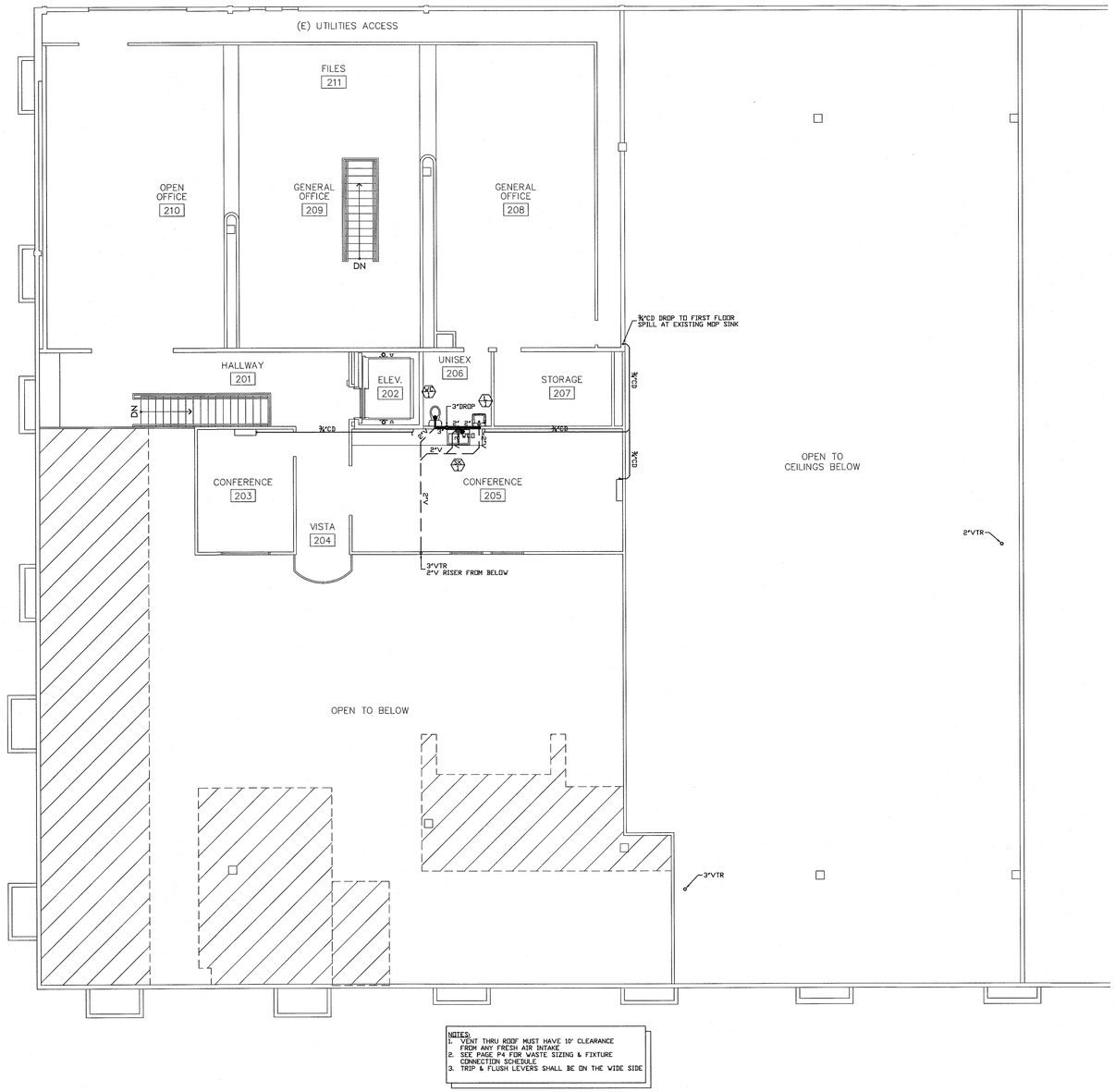
JOB:

PRINT DATE: 10/31/2014

TITLE:
WASTE & VENT PIPING PLAN FIRST FLOOR

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

SHEET NO. P1.1



NOTES:
1. VENT THRU ROOF MUST HAVE 10' CLEARANCE FROM ANY FRESH AIR INTAKE
2. SEE PAGE P4 FOR WASTE SIZING & FIXTURE CONNECTION SCHEDULE
3. TRIP & FLUSH LEVERS SHALL BE ON THE WIDE SIDE

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SINCE 1946
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PH (209) 523-4978 • FAX (209) 523-4597
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CENTER FOR HUMAN SERVICES

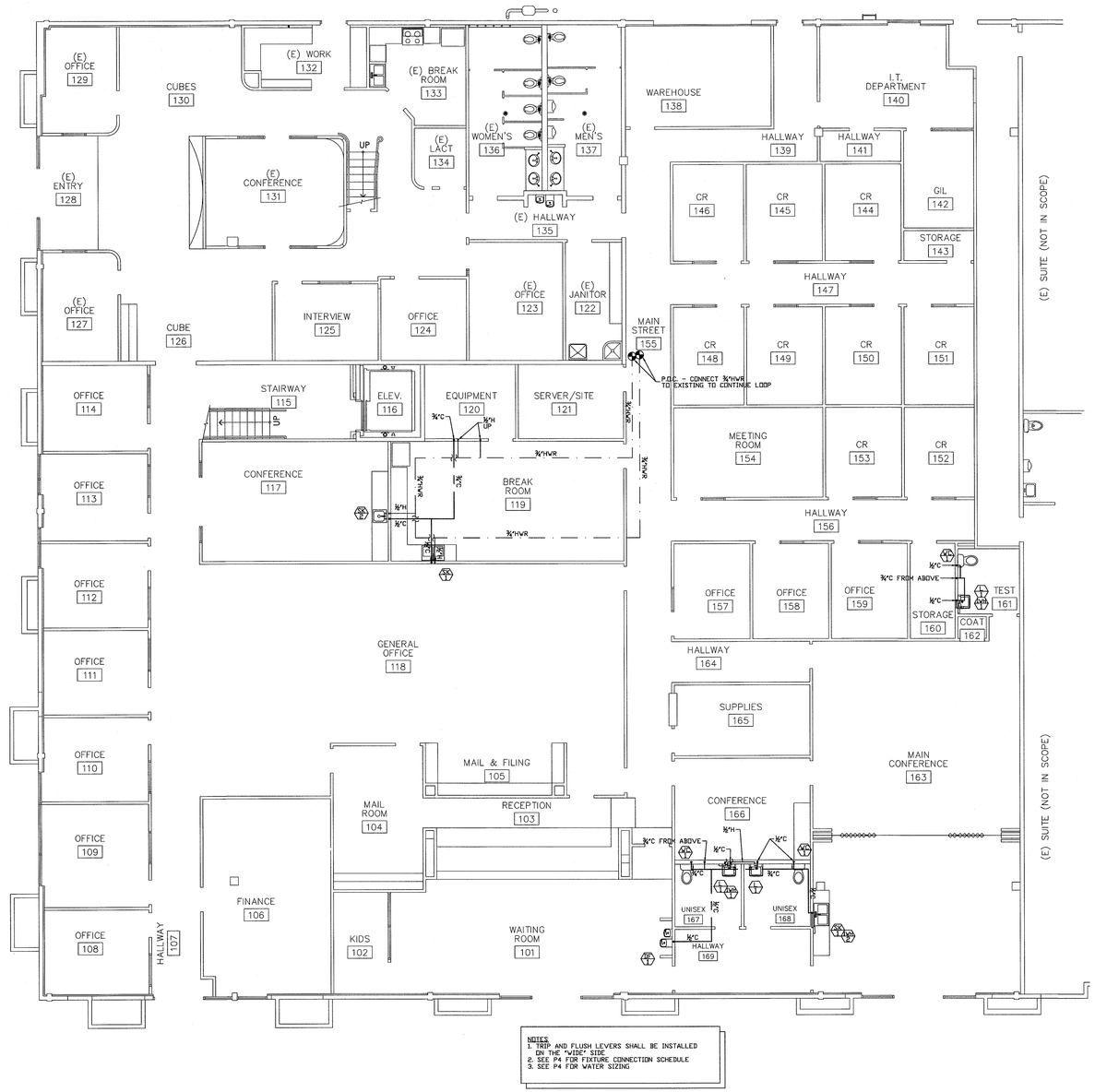
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: H. TURNER
DATE: 10/31/2014
FILE:
JOB:
PRINT DATE: 10/31/2014

TITLE:
WASTE & VENT
PIPING PLAN
SECOND FLOOR

SCALE: 1/8"=1'-0"
SHEET NO. P1.2



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311 BERRITO WAY • MODESTO, CA 95356
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CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

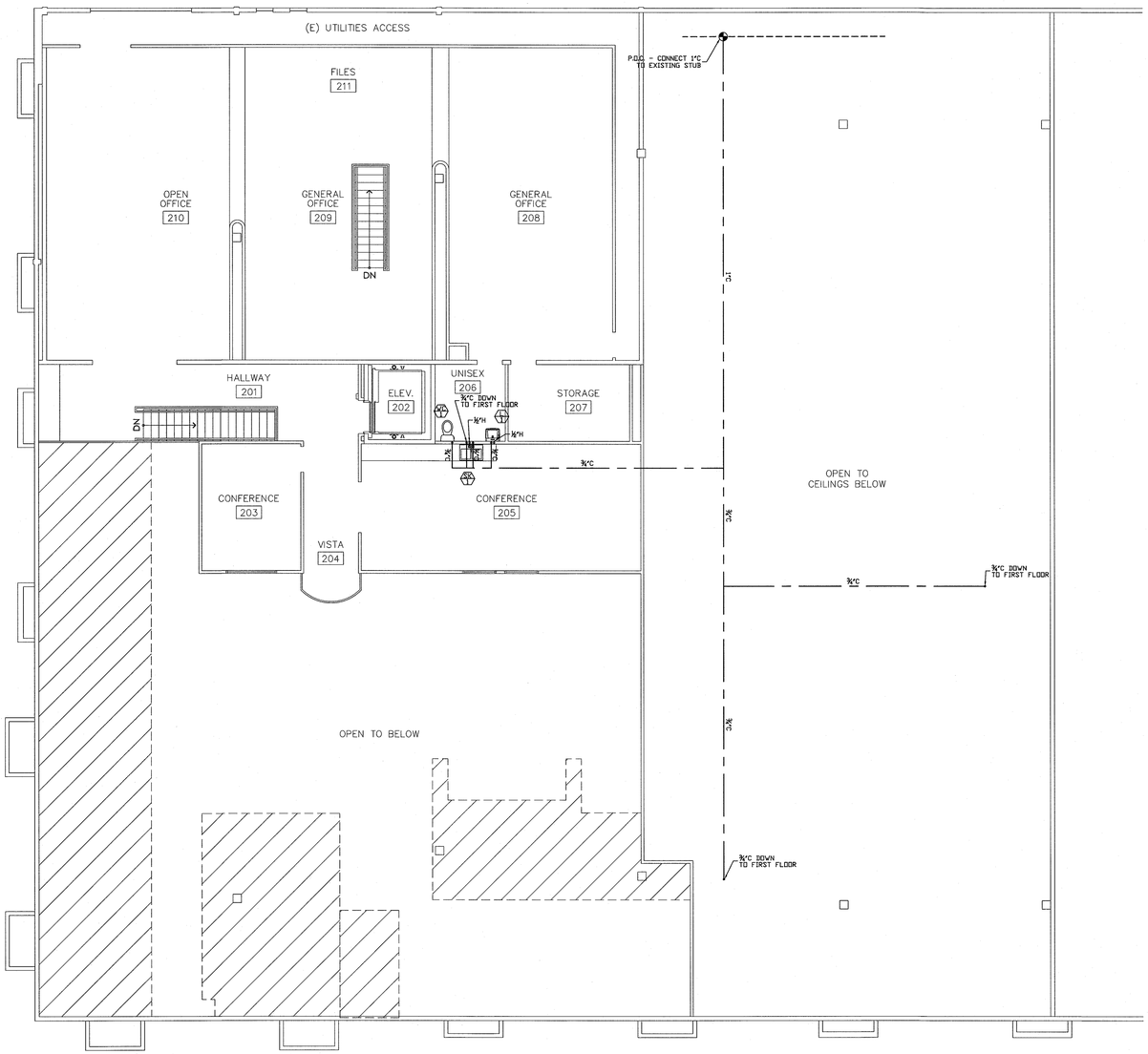
REVISIONS:

DRAWN:	H. TURNER
DATE:	10/31/2014
FILE:	
JOB:	
PRINT DATE:	10/31/2014

TITLE:
WATER PIPING PLAN
FIRST FLOOR

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

SHEET NO. P2.1



NOTES
1. TRIP AND FLUSH LEVERS SHALL BE INSTALLED ON THE "WIDE" SIDE.
2. SEE P4 FOR FIXTURE CONNECTION SCHEDULE
3. SEE P4 FOR WATER SIZING

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By_____ Permit No._____

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CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: H. TURNER

DATE: 10/31/2014

FILE:

JOB:

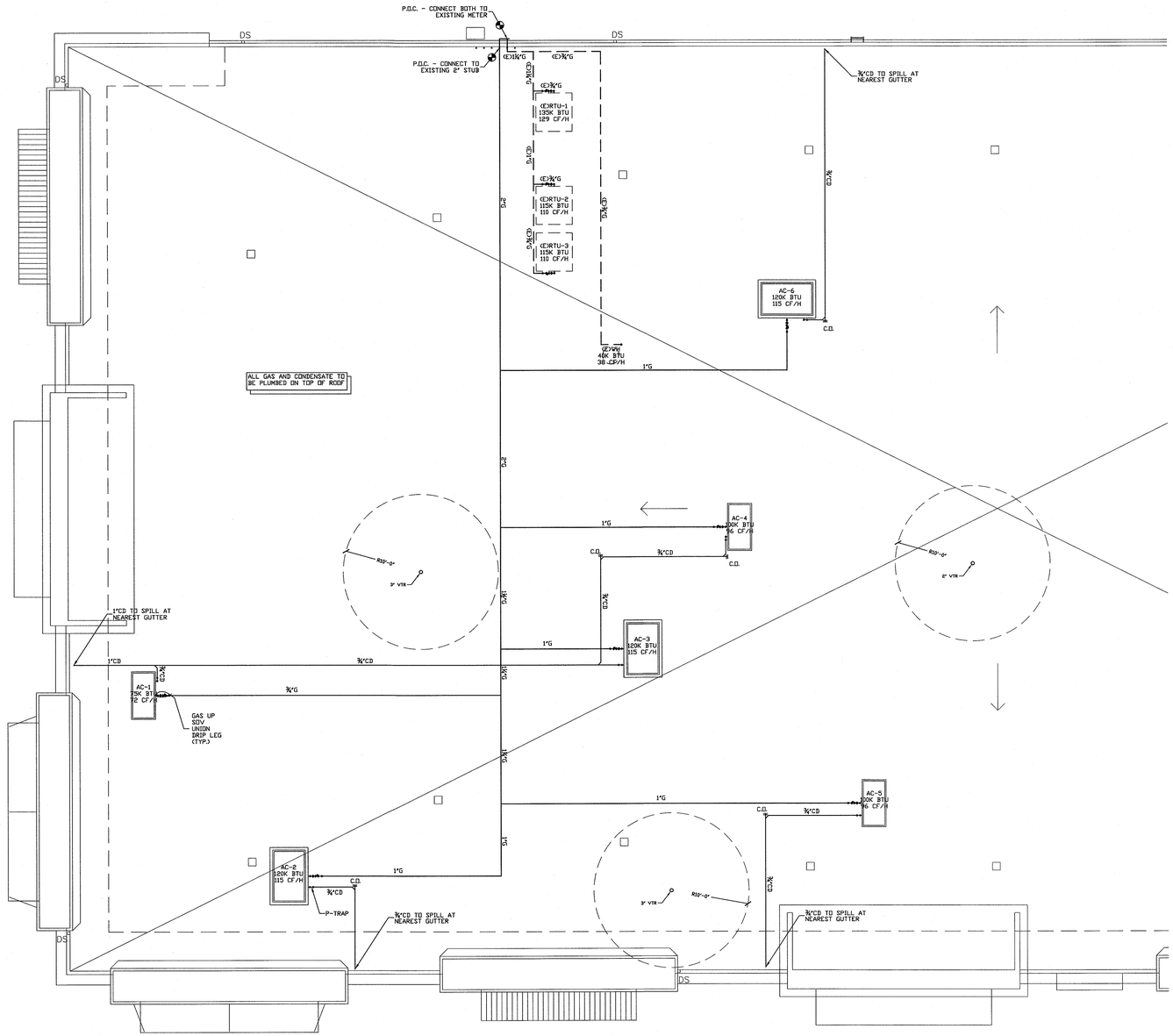
PRINT DATE: 10/31/2014

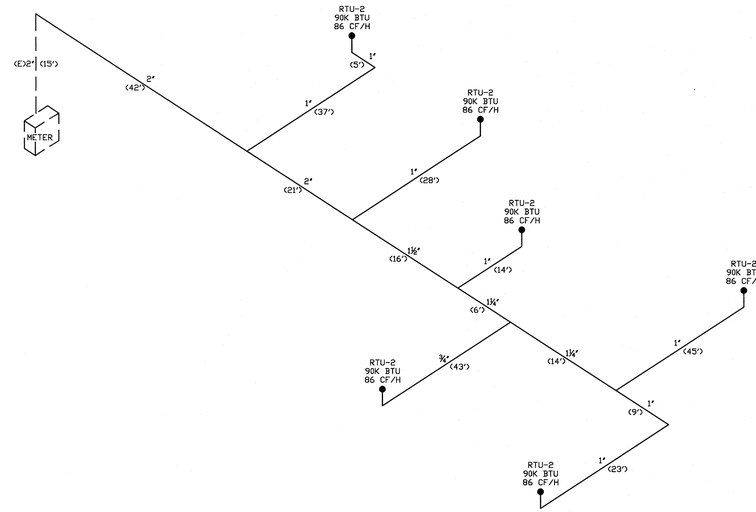
TITLE:
WATER PIPING PLAN
SECOND FLOOR

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

SHEET NO. P2.2

COMPLETE GAS SIZING	
(E) TOTAL BTU/HR	405,000
(E) TOTAL CF/HR	386
(N) TOTAL BTU/HR	635,000
(N) TOTAL CF/HR	605
(N) TOTAL DEV. LENGTH	158'
(N) SIZE REQUIRED	2"
SIZED PER 2013 CPC 1216.2(1)	





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REVIEWED FOR CODE COMPLIANCE

DEC 3 0 2014

By_____ Permit No._____

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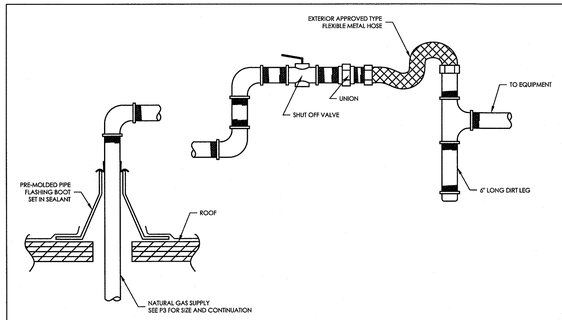
PROPOSED TENANT IMPROVEMENT FOR:

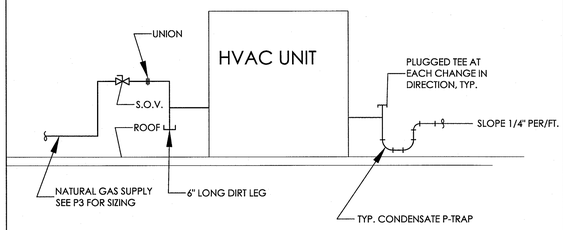
CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:	
DRAWN:	H. TURNER
DATE:	10/31/2014
FILE:	
JOB:	
PRINT DATE:	10/31/2014
TITLE:	GAS & CONDENSATE PIPING PLAN
SCALE:	1/8"=1'-0"
SHEET NO.	P3



TYP. GAS PIPING DETAIL



RTU PIPING DETAIL

IWH-1 AT L-1

CHART 19-63

DOMESTIC WATER DEMAND AND PIPE SIZING

WATER PIPES SHALL BE SIZED BY APPENDIX "A" OF THE CALIFORNIA PLUMBING CODE WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:

1. PRESSURE LOSSES IN THE SYSTEM DUE TO BACK FLOW PREVENTION VALVE, WATER SOFTENER, ETC. (EXCEPT WATER METERS).
2. SINGLE STORY STRUCTURE WITH BACK FLOW PREVENTION VALVE.
3. STRUCTURES OVER TWO STORIES.
4. TOTAL DEVELOPED LENGTH OVER 1,000 FEET.

DATE: 10/24/2014 PREPARED BY: H. TURNER

PROJECT: CENTER FOR HUMAN SERVICES LOCATION: MODESTO, CA

WATER METER SIZE 2

TOTAL FIXTURE UNITS: 20.5 EQUAL TOTAL GPM 15

TOTAL DISTANCE FROM METER TO MOST REMOTE PLBG FIXTURE: 130

TOTAL RISE FOR HEAD LOSS FT. 15 X 0.43	6.45 PSI
PSI REQUIRED FOR WATER CLOSET/URINAL (*F.V. = 15.0 PSI, F.T. = 8.0 PSI)	8.0 PSI
PSI FLOW LOSS THROUGH WATER METER (CHART A-1)	0 PSI
PSI FLOW LOSS THROUGH BACK FLOW PREVENTER (RP=12.0 PSI, D.C.=12.0 PSI)	12.0 PSI
TOTAL SYSTEM LOSS	26.45 PSI

MINIMUM PSI AVAILABLE @ JOB SITE	50
TOTAL SYSTEM LOSS IN PSI	26.45
REMAINING PSI AVAILABLE (IF NEGATIVE USE BOOSTER PUMP)	23.55
BOOSTER PUMP PSI	N/A
TOTAL REMAINING PSI AVAILABLE	23.55

PSI AVAILABLE 23.55 / 130 TOTAL FEET = 0.181 X 100 18.1 PSI/100 FT.

USE LINE 1" ON CHART A 4.1

1" PIPE WILL DELIVER 28 GPM FOR 0 *F.V. FIXTURE UNITS 50 *F.T. FIXTURE UNITS
3/4" PIPE WILL DELIVER 14 GPM FOR 0 *F.V. FIXTURE UNITS 19 *F.T. FIXTURE UNITS
1/2" PIPE WILL DELIVER 4.5 GPM FOR 0 *F.V. FIXTURE UNITS 2 *F.T. FIXTURE UNITS

F.V. = FLUSHOMETER
F.T. = FLUSH TANK

WATER DEMAND

IWH-2 AT SK-1

IWH-1 AT L-1 SIDE-BY-SIDE RESTROOMS

PIPING PENETRATION DETAIL

FIXTURE DESCRIPTION	QTY	WSFU EACH	TOTAL F.U.	HOT F.U. EACH	HOT F.U TOTAL
WC-1 (TANK)	4	2.5	10.0	–	–
L-1	4	1.0	4.0	0.75	3.0
SK-1	3	1.5	4.5	1.125	3.375
SK-2	1	1.5	1.5	1.125	1.125
DF-1	1	0.5	0.5	–	–
		TOTAL(S)	20.5		7.5
		GPM/GPH	15/900		7/420

1" MINIMUM REQUIRED PER 2013 CPC

MAXIMUM WATER SIZING

FIXTURE DESCRIPTION	QTY	DFU EACH	TOTAL F.U.
WC-1 (TANK)	4	4.0	16.0
L-1	4	1.0	4.0
SK-1	3	2.0	6.0
SK-2	1	2.0	2.0
DF-1	1	0.5	0.5
		TOTAL(S)	28.5

3" MIN. REQUIRED PER 2013 CPC

MAXIMUM WASTE SIZING

WC 1	KOHLER #K-3999 WHITE "HIGHLINE" ADA TANK TYPE WATER CLOSET WITH PROFLO #PFTSCOF2000WH SEAT
L 1	KOHLER #2005 "KINGSTON" WALL HUNG LAVATORY WITH ZURN #Z6915-XL AQUASENSE BATTERY POWERED CHROME FAUCET
SK 1	ELKAY #ELUHAD3216 - 31¾"x16½"x5½" LUSTERTONE UNDERMOUNT STAINLESS STEEL DOUBLE BOWL SINK W/DELTA #B4310LF-SS SINGLE HANDLE PULL-OUT FAUCET
SK 2	ELKAY #ELUHAD1916 - 19"x16"x5½" LUSTERTONE UNDERMOUNT STAINLESS STEEL SINGLE BOWL SINK W/DELTA #B4310LF-SS SINGLE HANDLE PULL-OUT FAUCET
DF 1	ELKAY #EZ-STL8LC - BI-LEVEL ADA APPROVED ELECTRIC DRINKING FOUNTAIN
IWH 1	CHRONOMITE #M-20L/208 - 208 VOLT - INSTANT-FLOW MICRO - LOW FLOW INSTANTANEOUS WATER HEATER
IWH 2	CHRONOMITE #M-40/208- - 208 VOLT - INSTANT-FLOW MICRO - STANDARD FLOW INSTANTANEOUS WATER HEATER
FCO 1	WATTS #CO-200-R CAST IRON FLOOR CLEAN OUT WITH 6" ROUND NICKLE BRONZE TOP

PLUMBING FIXTURE SCHEDULE

DFU	DRAINAGE FIXTURE UNITS
WSFU	WATER SUPPLY FIXTURE UNITS
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
FCO	FLOOR CLEAN OUT
GCO	GRADE CLEAN OUT
SOV	SHUT OFF VALVE

H	HOT WATER
HWR	HOT WATER RETURN
C	COLD WATER
V	VENT
W	WASTE
G	GAS
CD	CONDENSATE

PLUMBING LEGEND

1. ALL WASTE AND VENT PIPING SHALL BE ABS - SLOPED AT ¼" PER FOOT OR AS NOTED ON PLAN.
2. ABOVE SLAB WATER PIPING SHALL BE TYPE "L" COPPER TUBE WITH WROUGHT COPPER FITTINGS SOLDERED WITH LEAD FREE SOLDER.
3. BELOW SLAB WATER PIPING SHALL BE TYPE "K" COPPER TUBE WITH WROUGHT COPPER SOCKET FITTINGS SOLDERED WITH LEAD FREE SOLDER.
4. CONDENSATE PIPING SHALL BE TYPE "M" COPPER TUBE WITH WROUGHT COPPER FITTINGS AND LEAD FREE SOLDIER.
5. ALL PLUMBING FIXTURES INSTALLED MEET THE REQUIREMENTS OF CALIFORNIA GREEN BUILDING STANDARDS CODE SECTIONS 5.303.6
6. ALL PLUMBING AND PLUMBING FIXTURES SHALL COMPLY WITH TITLE 24 HANDICAPPED STANDARDS AND REGULATIONS.
7. PROVIDE SEISMIC RESTRAINTS AND EXPANSION TANK AT WATER HEATERS, PER 2013 C.P.C.
8. PROVIDE TEMPERATURE AND PRESSURE RELIEF AT WATER HEATER AND INSTALL PIPING AT ¾" PER FOOT SLOPE TO BUILDING EXTERIOR AS SHOWN.
9. EXPOSED P-TRAPS SHALL BE WRAPPED TO PROTECT THE HANDICAPPED.
10. TRIP AND FLUSH LEVERS SHALL BE INSTALLED ON THE "WIDE" SIDE TO ACCOMMODATE THE HANDICAPPED.
11. WATER CLOSET FLUSHOMETERS SHALL NOT EXCEED (**1.28 GALLONS PER FLUSH**) IN COMPLIANCE WITH CALIFORNIA GREEN BUILDING STANDARDS CODE SECTIONS 5.303.6
12. URINAL FLUSHOMETERS SHALL NOT EXCEED (**.5 GALLONS PER FLUSH**) IN COMPLIANCE WITH CALIFORNIA GREEN BUILDING STANDARDS CODE SECTIONS 5.303.6
13. LAVATORY FAUCETS SHALL NOT EXCEED (**0.4GPM @ 60PSI**) IN COMPLIANCE WITH CALIFORNIA GREEN BUILDING STANDARDS CODE SECTIONS 5.303.6
14. SINK FAUCETS SHALL NOT EXCEED (**2.2GPM @ 60PSI**) IN COMPLIANCE WITH CALIFORNIA GREEN BUILDING STANDARDS CODE SECTIONS 5.303.6
15. KITCHEN SINK FAUCETS SHALL NOT EXCEED (**1.5GPM @ 60PSI**) IN COMPLIANCE WITH CALIFORNIA GREEN BUILDING STANDARDS CODE SECTIONS 5.303.6
16. VENT SHALL TERMINATE THRU ROOF PER 2013 C.P.C. - VENTS SHALL MAINTAIN 10'-0" MINIMUM FROM ANY FRESH INTAKES.
17. NON-REMOVABLE VACUUM BREAKERS SHALL BE INSTALLED ON ALL HOSE BIBS AND MOP SINKS, PER 2013 C.P.C.

BUILDING PLUMBING NOTES

	SYM.	WASTE CON	WASTE OUT	TRAP	VENT	C/W CON	C/W OUT	H/W CON	H/W OUT
WATER CLOSET(TANK)	WC	3"	3"	--	2",4"	1/2"	1/2"	--	--
WATER CLOSET(FLUSH)	WC	3"	3"	--	2",4"	1.25"	1"	--	--
URINAL	UR	2"	2"	2"	2"	1"	3/4"	--	--
LAVATORY	LAV	2"	2"	2"	2"	3/4"	1/2"	3/4"	1/2"
SINK(KITCHEN)	S	2"	2"	2"	2"	3/4"	1/2"	3/4"	1/2"
SERVICE SINK	SS	3"	3"	3"	3"	3/4"	1/2"	3/4"	1/2"
SHOWER	SH	2"	2"	2"	2"	3/4"	1/2"	3/4"	1/2"
BATHTUB	BT	1.5"	1.5"	1.5"	1.5"	3/4"	1/2"	3/4"	1/2"
DRINKING FOUNTAIN	DF	1.5"	1.5"	1.5"	1.5"	3/4"	1/2"	--	--
FLOOR DRAIN 2" & 3"	FD	2",3"	2",3"	2",3"	2",3"	--	--	--	--
FLOOR SINK	FS	2"	2"	2"	2"	--	--	--	--
CLOTHES WASHER	CW	2"	2"	2"	2"	3/4"	1/2"	3/4"	1/2"
HOSE BIBB	HB	--	--	--	--	3/4"	3/4"	--	--

FIXTURE CONNECTION SCHEDULE

This set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.

REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By_____ Permit No._____

The stamping of this plan SHALL NOT be held to permit or be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

DEHART Plumbing, Heating & Air, Inc. SINCE 1946
311 BITRITTO WAY • MODESTO, CA 95356
PH (209) 523-4578 • FAX (209) 523-4587
LICENSE #745656

12/12/14

ALL DESIGNS AND OTHER INFORMATION ON THESE DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT FOR DEHART PLUMBING, HEATING & AIR, INC. AND SHALL NOT BE USED OTHERWISE WITHOUT EXPRESS WRITTEN PERMISSION OF DEHART PLUMBING, HEATING & AIR, INC.

PROPOSED TENANT IMPROVEMENT FOR:

CENTER FOR HUMAN SERVICES

2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: H. TURNER
DATE: 10/31/2014
FILE:
JOB:
PRINT DATE: 10/31/2014
TITLE: PLUMBING NOTES, SCHEDULE & DETAILS
SCALE: NOT TO SCALE
SHEET NO. P4

PANEL: H (EXISTING) | PHASE: 3 | SCCR: 22 | NEMA TYPE: 1
BUSS RATING: 100 | WIRE: 4 | BUSSING: ALUMINUM | MOUNTING: FLUSH
VOLTAGE: 120/208 | CIRCUIT BREAKER: –

CKT	DESCRIPTION	CB	TYPE	LOAD	A	B	C	LOAD	TYPE	CB	DESCRIPTION	CKT
1	EXISTING RECEPTACLES	20/1	R	540	1080			540	R	20/1	EXISTING RECEPTACLES	2
3	EXISTING RECEPTACLES	20/1	R	540		1080		540	R	20/1	EXISTING RECEPTACLES	4
5	EXISTING RECEPTACLES	20/1	R	540			1080	540	R	20/1	EXISTING RECEPTACLES	6
7	EXISTING RECEPTACLES	20/1	R	540	1080			540	R	20/1	EXISTING RECEPTACLES	8
9	EXISTING RECEPTACLES	20/1	R	540		1080		540	R	20/1	EXISTING RECEPTACLES	10
11	EXISTING RECEPTACLES	20/1	R	540			1080	540	R	20/1	EXISTING RECEPTACLES	12
13	EXISTING RECEPTACLES	20/1	R	540	1080			540	R	20/1	EXISTING RECEPTACLES	14
15	EXISTING RECEPTACLES	20/1	R	540		1080		540	R	20/1	NEW UPSTAIRS RECEPTACLES	16
17	EXISTING RECEPTACLES	20/1	R	540			1080	540	R	20/1	NEW UPSTAIRS RECEPTACLES	18
19	EXISTING RECEPTACLES	20/1	R	540	8320			7780	R	40/2	NEW UPSTAIRS RECEPTACLES	20
21	NEW UPSTAIRS RECEPTACLES	20/1	R	540		8320		7780	R	40/2	–	22
23	SPACE						540	540	R	20/1	NEW UPSTAIRS RECEPTACLES	24
25	SPACE										SPACE	26
27	SPACE										SPACE	28
29	SPACE										SPACE	30
31	SPACE										SPACE	32
33	SPACE										SPACE	34
35	SPACE										SPACE	36
37	SPACE										SPACE	38
39	SPACE										SPACE	40
41	SPACE										SPACE	42
					11560	11560	3780					

CONTINUOUS:	(C)	0 VA
NON-CONTINUOUS:	(N)	0 VA
RECEPTACLE:	(R)	26900 VA
MOTOR:	(M) or (MI)	0 VA
LIGHTING:	(L)	0 VA
KITCHEN > 1750:	(K)	0 VA

MCB = YES
MLO = NO
(BOTTOM FEED)

MAX. PHASE @ 125%	=	120.4 A.
DEMAND TOTAL	=	41.9 KVA.
	=	74.7 A.
@ 125%	=	93.4 A.

DEMAND CALCULATION PER ARTICLE 220

PANEL: I (EXISTING) | PHASE: 3 | SCCR: 22 | NEMA TYPE: 1
BUSS RATING: 200 | WIRE: 4 | BUSSING: ALUMINUM | MOUNTING: FLUSH
VOLTAGE: 120/208 | CIRCUIT BREAKER: –

CKT	DESCRIPTION	CB	TYPE	LOAD	A	B	C	LOAD	TYPE	CB	DESCRIPTION	CKT
1	EXISTING LIGHTING	20/1	L	480	900			420	L	20/1	EXISTING LIGHTING	2
3	EXISTING LIGHTING	20/1	L	480		900		420	L	20/1	EXISTING LIGHTING	4
5	EXISTING LIGHTING	20/1	L	480			900	420	L	20/1	EXISTING LIGHTING	6
7	EXISTING LIGHTING	20/1	L	480	900			420	L	20/1	EXISTING LIGHTING	8
9	EXISTING LIGHTING	20/1	L	480		840		360	R	20/1	EXISTING RECEPTACLES	10
11	EXISTING LIGHTING	20/1	L	480			840	360	R	20/1	EXISTING RECEPTACLES	12
13	EXISTING LIGHTING	20/1	L	480	840			360	R	20/1	EXISTING RECEPTACLES	14
15	EXISTING LIGHTING	20/1	L	480		840		360	R	20/1	EXISTING RECEPTACLES	16
17	EXISTING LIGHTING	20/1	L	480			840	360	R	20/1	EXISTING RECEPTACLES	18
19	EXISTING LIGHTING	20/1	L	480	840			360	R	20/1	EXISTING RECEPTACLES	20
21	NEW UPSTAIRS LIGHTING	20/1	L	480		840		360	R	20/1	EXISTING RECEPTACLES	22
23	NEW UPSTAIRS RESTROOM LIGHTING	20/1	L	360			720	360	R	20/1	EXISTING RECEPTACLES	24
25	EXISTING HVAC #7	40/3	R	2180	2540			360	R	20/1	EXISTING RECEPTACLES	26
27	–	40/3	R	2180		2540		360	R	20/1	EXISTING RECEPTACLES	28
29	–	40/3	R	2180			2540	360	R	20/1	EXISTING RECEPTACLES	30
31	EXISTING HVAC #8	40/3	R	2180	2180						SPACE	32
33	–	40/3	R	2180		2180					SPACE	34
35	–	40/3	R	2180			2180				SPACE	36
37	SUB-PANEL 'H'	100/3	R	11560	11560						SPACE	38
39	–	100/3	R	11560		11560					SPACE	40
41	–	100/3	R	3780			3780				SPACE	42
					19760	19700	11800					

CONTINUOUS:	(C)	0 VA
NON-CONTINUOUS:	(N)	0 VA
RECEPTACLE:	(R)	43940 VA
MOTOR:	(M) or (MI)	0 VA
LIGHTING:	(L)	7320 VA
KITCHEN > 1750:	(K)	0 VA

MCB = YES
MLO = NO
(BOTTOM FEED)

MAX. PHASE @ 125%	=	205.8 A.
DEMAND TOTAL	=	79.9 KVA.
	=	142.4 A.
@ 125%	=	178.0 A.

DEMAND CALCULATION PER ARTICLE 220

PANEL: G | PHASE: 3 | SCCR: 22 | NEMA TYPE: 1
BUSS RATING: 200 | WIRE: 4 | BUSSING: ALUMINUM | MOUNTING: FLUSH
VOLTAGE: 120/208 | CIRCUIT BREAKER: –

CKT	DESCRIPTION	CB	TYPE	LOAD	A	B	C	LOAD	TYPE	CB	DESCRIPTION	CKT
1	OFFICE LIGHTING	20/1	L	552	1272			720	R	20/1	EXIT/EMERGENCY LIGHTING	2
3	OFFICE LIGHTING	20/1	L	552		912		360	R	20/1	EXIT/EMERGENCY LIGHTING	4
5	OFFICE LIGHTING	20/1	L	1288			1828	540	R	20/1	WAITING ROOM RECEPTACLES	6
7	OFFICE LIGHTING	20/1	L	368	1088			720	R	20/1	RECEPTIONIST RECEPTACLES	8
9	OFFICE LIGHTING	20/1	L	1656		2196		540	R	20/1	OFFICE RECEPTACLES	10
11	OFFICE LIGHTING	20/1	L	276			816	540	R	20/1	OFFICE RECEPTACLES	12
13	WAITING ROOM LIGHTING	20/1	L	736	1276			540	R	20/1	OFFICE RECEPTACLES	14
15	RECEPTIONIST LIGHTING	20/1	L	448		1348		900	R	20/1	OFFICE RECEPTACLES	16
17	EXTERIOR SIGNAGE	20/1	L	1200			2100	900	R	20/1	OFFICE RECEPTACLES	18
19	EXTERIOR SIGNAGE	20/1	L	1200	2100			900	R	20/1	OFFICE RECEPTACLES	20
21	ELEVATOR EQUIPMENT	100/3	M	4920		5640		720	R	20/1	OFFICE RECEPTACLES	22
23	–	100/3	M	4920			5640	720	R	20/1	OFFICE RECEPTACLES	24
25	–	100/3	M	4920	5640			720	R	20/1	OFFICE RECEPTACLES	26
27	VENDING MACHINE	20/1	R	720		1440		720	R	20/1	OFFICE RECEPTACLES	28
29	COFFEE MACHINE	20/1	R	1080			1800	720	R	20/1	OFFICE RECEPTACLES	30
31	MICRO WAVE	20/1	R	960	1680			720	R	20/1	OFFICE RECEPTACLES	32
33	HVAC #6	50/3	R	4680		5400		720	R	20/1	ELEVATOR SUMP PUMP	34
35	–	50/3	R	4680			5220	540	R	20/1	IT SERVER ROOM	36
37	–	50/3	R	4680	5220			540	R	20/1	IT SERVER ROOM	38
39	SPARE	20/1	–	–		540		540	R	20/1	IT SERVER ROOM	40
41	SPARE	20/1	–	–			540	540	R	20/1	IT SERVER ROOM	42
					18276	17476	17944					

CONTINUOUS:	(C)	0 VA
NON-CONTINUOUS:	(N)	0 VA
RECEPTACLE:	(R)	29580 VA
MOTOR:	(M) or (MI)	14760 VA
LIGHTING:	(L)	9356 VA
KITCHEN > 1750:	(K)	0 VA

MCB = YES
MLO = NO
(BOTTOM FEED)

MAX. PHASE @ 125%	=	190.4 A.
DEMAND TOTAL	=	83.7 KVA.
	=	149.2 A.
@ 125%	=	186.4 A.

DEMAND CALCULATION PER ARTICLE 220

PANEL: D | PHASE: 3 | SCCR: 22 | NEMA TYPE: 1
BUSS RATING: 200 | WIRE: 4 | BUSSING: ALUMINUM | MOUNTING: FLUSH
VOLTAGE: 120/208 | CIRCUIT BREAKER: –

CKT	DESCRIPTION	CB	TYPE	LOAD	A	B	C	LOAD	TYPE	CB	DESCRIPTION	CKT
1	HALLWAY LIGHTING	20/1	L	1652	2192			540	R	20/1	RECEPTACLES	2
3	OFFICE LIGHTING	20/1	L	644		1364		720	R	20/1	RECEPTACLES	4
5	OFFICE LIGHTING	20/1	L	552			1092	540	R	20/1	RECEPTACLES	6
7	OFFICE LIGHTING	20/1	L	828	1548			720	R	20/1	RECEPTACLES	8
9	OFFICE LIGHTING	20/1	L	552		1272		720	R	20/1	RECEPTACLES	10
11	OFFICE LIGHTING	20/1	L	644			1544	900	R	20/1	RECEPTACLES	12
13	OFFICE LIGHTING	20/1	L	1288	2188			900	R	20/1	RECEPTACLES HALLWAY	14
15	OFFICE LIGHTING	20/1	L	828		1548		720	R	20/1	RECEPTACLES	16
17	RESTROOM LIGHTING	20/1	L	276			996	720	R	20/1	RECEPTACLES	18
19	RESTROOM LIGHTING	20/1	L	276	996			720	R	20/1	RECEPTACLES	20
21	RESTROOM RECEPTACLES	20/1GFI	R	540		1260		720	R	20/1	RECEPTACLES	22
23	INSTA-HOT WATER HEATER	40/2	R	6880			7420	540	R	20/1	RECEPTACLES	24
25	–	40/2	R	6880	7420			540	R	20/1	RECEPTACLES	26
27	INSTA-HOT WATER HEATER	40/2	R	6880		7600		720	R	20/1	RECEPTACLES	28
29	–	40/2	R	6880			7960	1080	R	20/1	COFFEE MACHINE	30
31	INSTA-HOT WATER HEATER	40/2	R	6880	7840			960	R	20/1	MICROWAVE	32
33	–	40/2	R	6880		7600		720	R	20/1	VENDING MACHINE	34
35	SPARE	20/1	–	–			720	720	R	20/1	VENDING MACHINE	36
37	SPARE	20/1	–	–	–			–	–	20/1	SPARE	38
39	SPARE	20/1	–	–		–		–	–	20/1	SPARE	40
41	SPARE	20/1	–	–			–	–	–	20/1	SPARE	42
					22184	20644	19732					

CONTINUOUS:	(C)	0 VA
NON-CONTINUOUS:	(N)	0 VA
RECEPTACLE:	(R)	55020 VA
MOTOR:	(M) or (MI)	0 VA
LIGHTING:	(L)	7540 VA
KITCHEN > 1750:	(K)	0 VA

MCB = YES
MLO = NO
(BOTTOM FEED)

MAX. PHASE @ 125%	=	231.1 A.
DEMAND TOTAL	=	97.5 KVA.
	=	173.7 A.
@ 125%	=	217.1 A.

DEMAND CALCULATION PER ARTICLE 220

PANEL: HVAC | PHASE: 3 | SCCR: 22 | NEMA TYPE: 3R RAINTITE
BUSS RATING: 200 | WIRE: 4 | BUSSING: ALUMINUM | MOUNTING: SURFACE/ROOF
VOLTAGE: 120/208 | CIRCUIT BREAKER: –

CKT	DESCRIPTION	CB	TYPE	LOAD	A	B	C	LOAD	TYPE	CB	DESCRIPTION	CKT
1	EXHAUST FAN #1	20/1	M	1652	684			540	R	20/1GFI	ROOF UTILITY OUTLETS	2
3	EXHAUST FAN #2	20/1	M	644		4920		4776	R	50/3	HVAC #3	4
5	EXHAUST FAN #3	20/1	M	552			4920	4776	R	50/3	–	6
7	HVAC #1	30/3	R	828	7356			4776	R	50/3	–	8
9	–	30/3	R	552		5592		3012	R	40/3	HVAC #4	10
11	–	30/3	R	644			5592	3012	R	40/3	–	12
13	HVAC #2	50/3	R	1288	7788			3012	R	40/3	–	14
15	–	50/3	R	828		7788		3012	R	40/3	HVAC #5	16
17	–	50/3	R	276			7788	3012	R	40/3	–	18
19	SMOKE DAMPER CONTROLS	20/1	R	276	3192			3012	R	40/3	–	20
21	SPACE					–		–	–	20/1GFI	SPARE	22
23	SPACE										SPACE	24
25	SPACE										SPACE	26
27	SPACE										SPACE	28
29	SPACE										SPACE	30
31	SPACE										SPACE	32
33	SPACE										SPACE	34
35	SPACE										SPACE	36
37	SPACE										SPACE	38
39	SPACE										SPACE	40
41	SPACE										SPACE	42
					19020	18300	18300					

CONTINUOUS:	(C)	0 VA
NON-CONTINUOUS:	(N)	0 VA
RECEPTACLE:	(R)	55188 VA
MOTOR:	(M) or (MI)	432 VA
LIGHTING:	(L)	0 VA
KITCHEN > 1750:	(K)	0 VA

MCB = YES
MLO = NO
(BOTTOM FEED)

MAX. PHASE @ 125%	=	198.1 A.
DEMAND TOTAL	=	86.7 KVA.
	=	154.5 A.
@ 125%	=	193.1 A.

DEMAND CALCULATION PER ARTICLE 220

ELECTRICAL NOTES

SYMBOL	DESCRIPTION
	ALL WIRING TO BE PERFORMED PER ALL LOCAL AND PER THE NATIONAL ELECTRIC CODES
	RECEPTACLES TO BE MOUNTED AT +18" A.F.F. UNLESS NOTED
	SWITCHING TO BE MOUNTED AT +46" A.F.F. UNLESS NOTED
	ALL WIRING TO BE COPPER No. 12 GUAGE MINIMUM
	ONLY U.L. LISTED EQUIPMENT SHALL BE INSTALLED
	CAT 5E TELEPHONE CABLES / FIREWALL CABLES

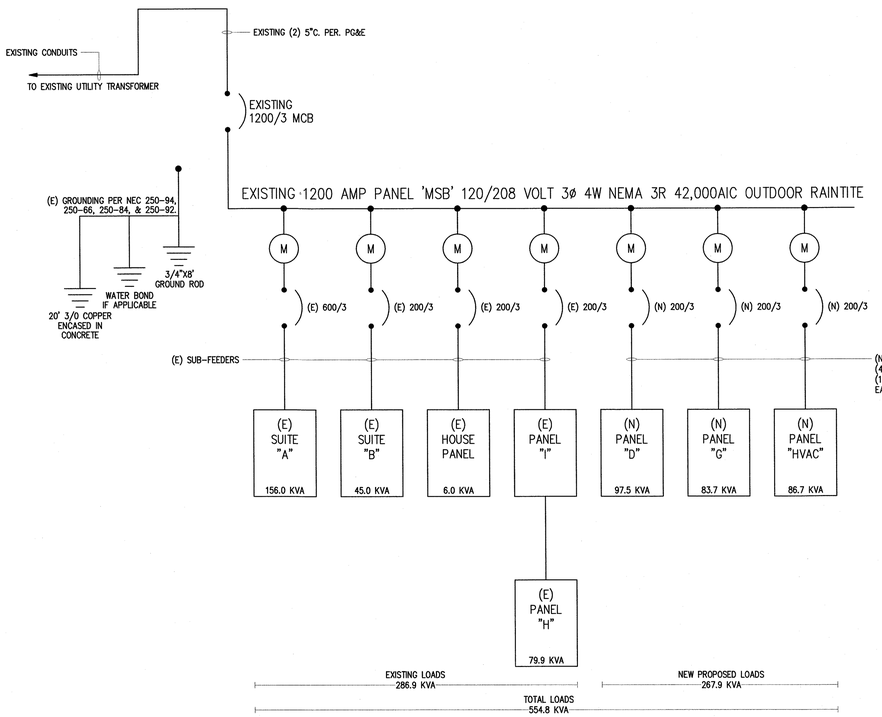
1

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	120 VOLT DUPLEX RECEPTACLE 15A. +18"
S	SINGLE POLE TOGGLE SWITCH +46"
^{3}	THREE WAY TOGGLE SWITCH +46"
	OCCUPANCY MOTION SWITCH LEVITON #OF510-IDI +46"
GFI	GROUND FAULTY CIRCUIT INTERUPTER +44"
	220 VOLT DEDICATED CIRCUIT
OS	CEILING MOUNT OCCUPANCY MOTION SWITCH
	PANELBOARD
	UNDERGROUND CONDUITS
	BRANCH CIRCUITS / SUB-FEEDERS
	COMMUNICATION STUBS
	120 VOLT FOUR PLEX RECEPTACLE
	SAFETY DISCONNECT SWITCH NEMA 3R
J	JUNCTION BOX
(E)	DENOTES EXISTING
(N)	DENOTES NEW
	GROUND PER N.E.C.
T	TRANSFORMER "T1" 75KVA 480/120-208 304W. DRY TYPE

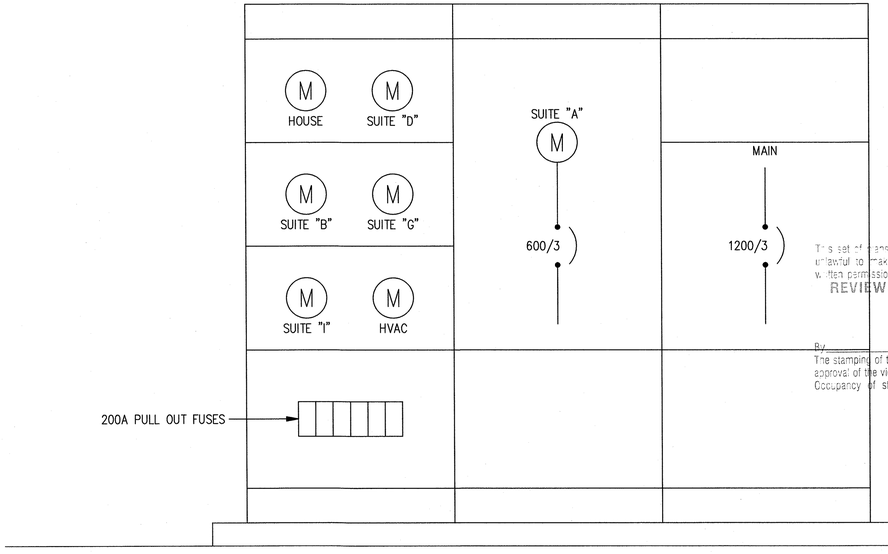
ELECTRICAL FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CATALOG No.	QNTY
	SURFACE MOUNT WRAP	LBL2LP835	13
	SURFACE MOUNT TROFFER	LP835N100	29
	6" DOWN LIGHT	LDN635/10 L068R	34
	RECESSED TROFFER	STL233LLP840	104
	LED EXIT COMBO	ECRLEDM6	13
	EMERGENCY LIGHTING (ONLY)	SLEDBRW	4



ONE-LINE DIAGRAM — SCALE: N/A

EXISTING PANEL "MSB" 1200A 120/208v 3ø 4w



This set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.
REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By _____ Permit No. _____
The stamping of this plan SHALL NOT be held to permit or be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval

EXISTING PANEL "MSB" ELEVATION — SCALE: N/A

REVISIONS		DATE
1		12-10-14

BRITE ELECTRIC, INC.
P.O. BOX 3639 - TURLOCK, CA 95381
PH: (209) 632-7291 FAX: (209) 632-9389
CONTRACTOR'S LICENSE NO. 737941, C10
NV LICENSE NO. 0074819 | WA LICENSE NO. LEMOSFS 038RF

Electrical Layout Design Property of BRITE ELECTRIC, INC.
FRANK S. LEMOS — DATE 12-12-2014
(Use By Permission Only)

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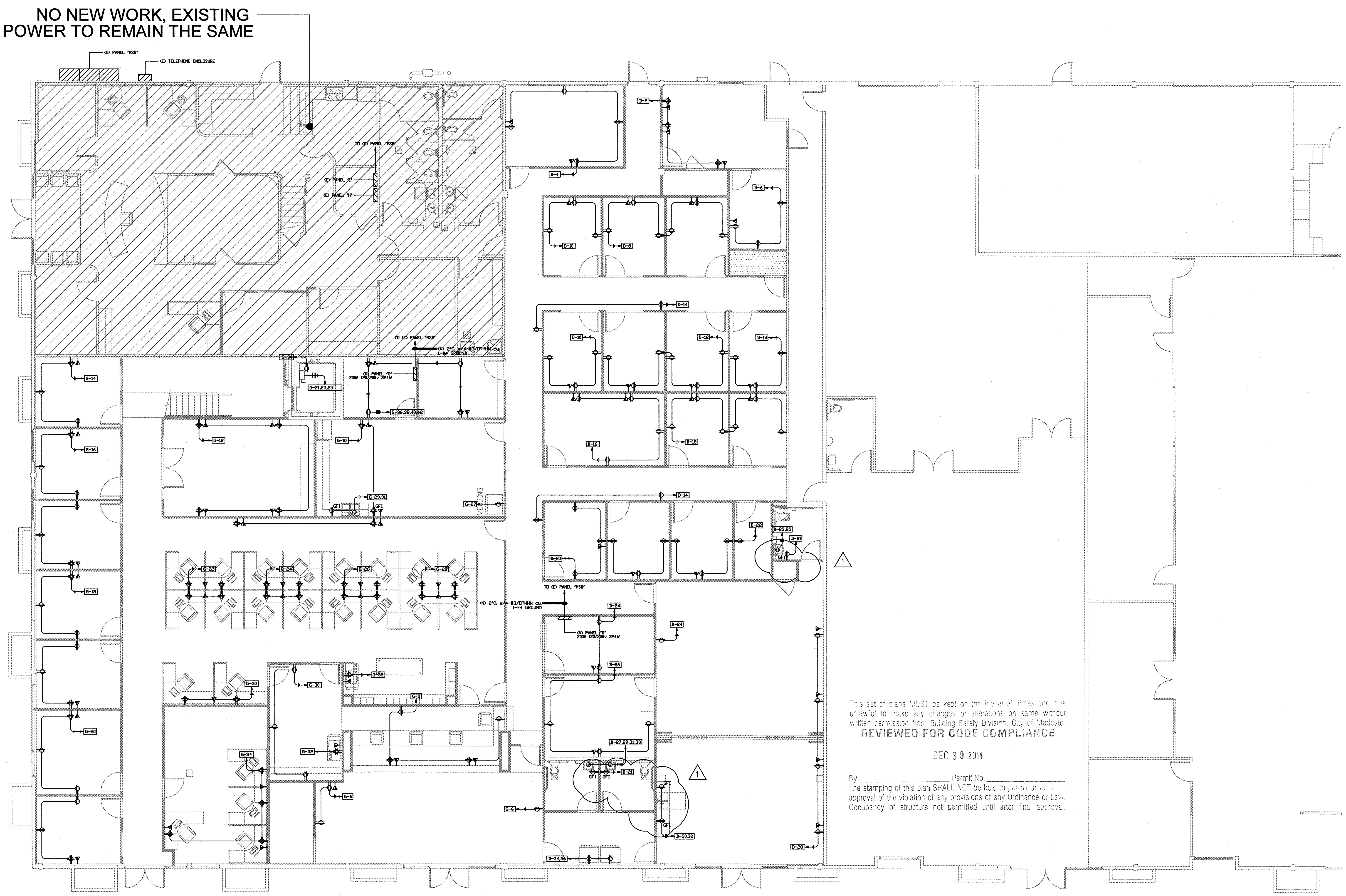
THE EXCEPTION TO DIVISION 3 BY SETION 5537.2 OF THE BUSINESS AND PROFESSION CODE
AND IS NOT FOR ANY OTHER USE WITHOUT THE EXPRESS WRITTEN CONSENT OF BRITE ELECTRIC, INC

CENTER OF HUMAN SERVICE
-
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

DATE :
JOB NO. :
DRAWN :
CHECKED :
SHEET :

E1



NOTE:
PROVIDE GFI PROTECTED RECEPTACLES @ SINKS
PER. ARTICLE 210-8(B)(5)

REVISIONS		DATE
1	[initials]	12-10-14

BRITE ELECTRIC, INC.
P.O. BOX 3639 - TURLOCK, CA 95381
PH: (209) 632-7291 FAX: (209) 632-9389
CA LICENSE NO. 933001
NV LICENSE NO. 0074619 / WA LICENSE NO. LEMOSFS 038RF

Electrical Layout Design Property of
BRITE ELECTRIC, INC.

[signature] 12-12-2014
FRANK S. LEMOS DATE

(Use By Permission Only)

THIS DRAWING IS PREPARED ONLY FOR WORK TO BE PERFORMED BY BRITE ELECTRIC, INC. UNDER THE EXCEPTION TO DIVIDION 3 BY SETION 55537.2 OF THE BUSINESS AND PROFESSION CODE AND IS NOT FOR ANY OTHER USE WITHOUT THE EXPRESS WRITTEN CONSENT OF BRITE ELECTRIC, INC

CENTER OF HUMAN SERVICE
FIRST FLOOR POWER PLAN
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

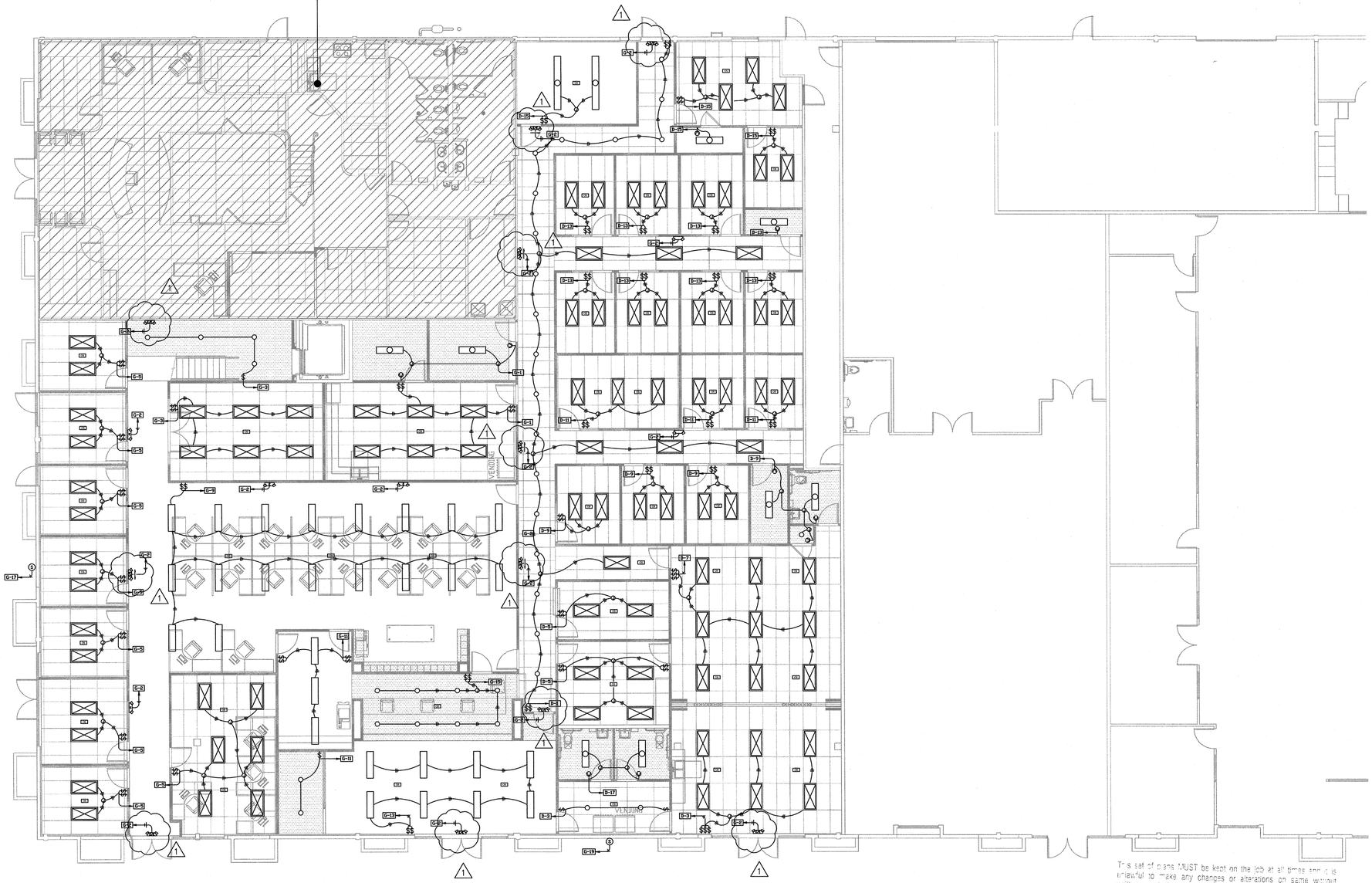
DATE :
JOB NO. :
DRAWN :
CHECKED :
SHEET :

E2

FIRST FLOOR POWER PLAN

SCALE: 1/8" = 1'

NO NEW WORK, EXISTING
LIGHTING TO REMAIN THE SAME



FIRST FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'

This set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.
REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By _____ Permit No. _____
The stamping of this plan SHALL NOT be held to permit or be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

REVISIONS	DATE
1	12-10-14

BRITE ELECTRIC, INC.
P.O. BOX 3839 - TURLOCK, CA 95381
PH: (209) 632-7291 FAX: (209) 632-9389
CA LICENSE NO. 923000
NV LICENSE NO. 0074619 | WA LICENSE NO. LEMOSFS 038RF

Electrical Layout Design Property of
BRITE ELECTRIC, INC.

FRANK S. LEMOS — DATE 12-12-2014
(Use By Permission Only)

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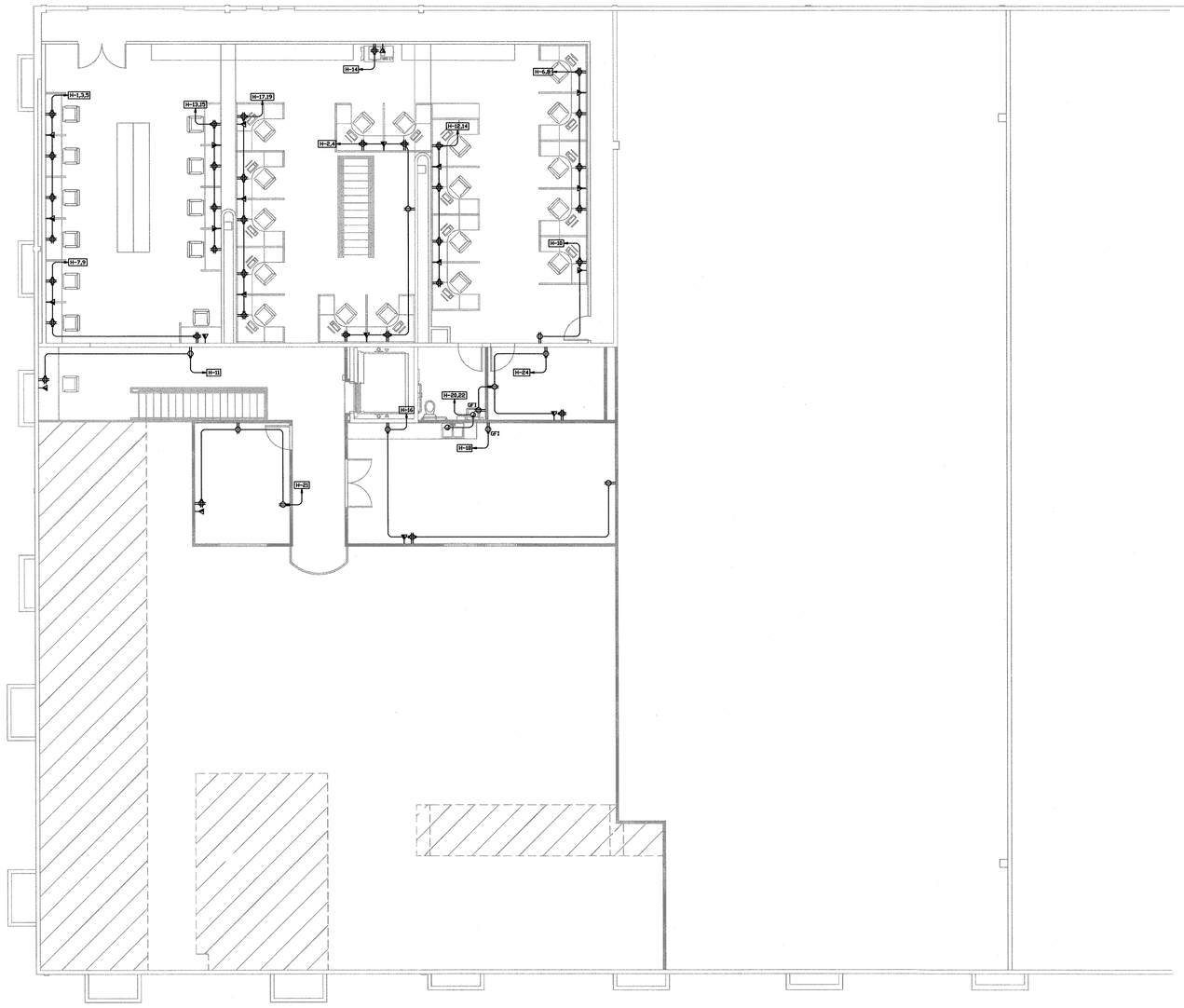
CENTER OF HUMAN SERVICE
FIRST FLOOR LIGHTING PLAN
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

DATE :
JOB NO. :
DRAWN :
CHECKED :
SHEET :

E3



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REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By_____ Permit No._____
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

SECOND FLOOR POWER PLAN

SCALE: 1/8" = 1'

REVISIONS	DATE

BRITE ELECTRIC, INC.
P.O. BOX 3639 - TURLOCK, CA 95381
PH: (209) 632-7391 FAX: (209) 632-9389
CA LICENSE NO. 933001
NV LICENSE NO. 0074619 / WA LICENSE NO. LEMOSFS 038RF

Electrical Layout Design Property of
BRITE ELECTRIC, INC.

FRANK S. LEMOS
12-19-2014
DATE
(Use By Permission Only)

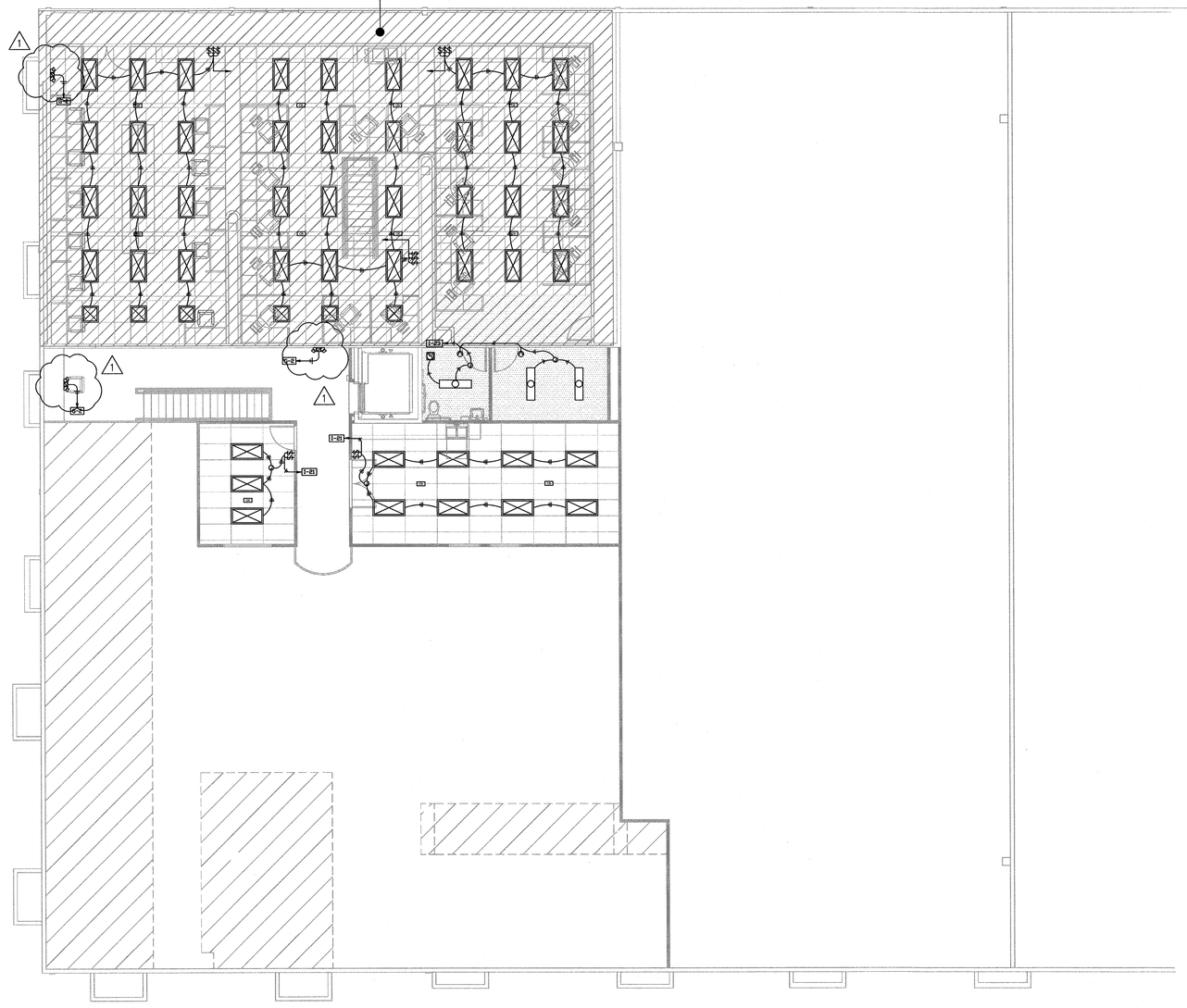
THIS DRAWING IS PREPARED ONLY FOR WORK TO BE PERFORMED BY BRITE ELECTRIC, INC. UNDER THE PERMIT FOR WHICH IT WAS ISSUED. IT IS NOT FOR USE BY ANY OTHER CONTRACTOR, AND IS NOT FOR ANY OTHER USE WITHOUT THE EXPRESS WRITTEN CONSENT OF BRITE ELECTRIC, INC

CENTER OF HUMAN SERVICE
SECOND FLOOR POWER PLAN
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

DATE :
JOB NO. :
DRAWN :
CHECKED :
SHEET :

E4

NO NEW WORK, EXISTING
LIGHTING TO REMAIN THE SAME



SECOND FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'

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REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By_____ Permit No._____
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

REVISIONS	DATE
1	12-10-14

BRITE ELECTRIC, INC.
P.O. BOX 3639 - TURLOCK, CA 95381
PH: (209) 632-7291 FAX: (209) 632-9389
CA LICENSE NO. 639061 CLASS C-10
NV LICENSE NO. 0074619 / WA LICENSE NO. LEIMOSFS 038RF

Electrical Layout Design Property of
BRITE ELECTRIC, INC.

Frank S. Lemos 12-12-2014
FRANK S. LEMOS DATE
(Use By Permission Only)

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CENTER OF HUMAN SERVICE
SECOND FLOOR LIGHTING PLAN
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

DATE :
JOB NO. :
DRAWN :
CHECKED :
SHEET :

E5

This set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.

REVIEWED FOR CODE COMPLIANCE

DEC 30 2014

By_____ Permit No._____

The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

HVAC ROOF PLAN

SCALE: 1/8" = 1'

REVISIONS	DATE

BRITE ELECTRIC, INC.
P.O. BOX 3939 - TURLOCK, CA 95381
PH: (209) 632-7291 - FAX: (209) 632-9389
CA LICENSE NO. 933001
NV LICENSE NO. 0074619 / NVA LICENSE NO. LEMOSFS 038RF

Electrical Layout Design Property of BRITE ELECTRIC, INC.

Frank S. Lemos 12-12-2014
FRANK S. LEMOS DATE
(Use By Permission Only)

THIS DRAWING IS PREPARED ONLY FOR WORK TO BE PERFORMED BY BRITE ELECTRIC, INC. UNDER THE EXCEPTION TO DIVISION 3, BY SECTION 5537.2 OF THE BUSINESS AND PROFESSION CODE AND IS NOT FOR ANY OTHER USE WITHOUT THE EXPRESS WRITTEN CONSENT OF BRITE ELECTRIC, INC

CENTER OF HUMAN SERVICE
HVAC ROOF PLAN
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

DATE :	
JOB NO. :	
DRAWN :	
CHECKED :	
SHEET :	E6

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 5)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

Climate Zone: 12	Conditioned Floor Area : 12,328 Unconditioned Floor Area : 0						
General Information							
Building Type:	☑	Nonresidential	☐	High-Rise Residential	☐	Hotel/Motel
☐ Schools	☐	Relocatable Public Schools	☑	Conditioned Spaces	☐	Unconditioned Spaces
Phase of Construction:	☐	New Construction	☐	Addition	☐	Alteration
Method of Compliance:	☐	Complete Building	☑	Area Category	☐	Tailored

LIGHTING COMPLIANCE DOCUMENTS (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
YES		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
YES		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
YES		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	NO	NRCC-LIT-04-E	Tailored Method Worksheets
	NO	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	7,424	**Installed** Lighting NRCC-LTI-01-E, page 4	+	0
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	0	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	0
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	7,424	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	0

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 5)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

5.	Complies ONLY if **Installed** ≤ **Allowed** ↕		Complies ONLY if **Installed** ≤ **Allowed**	↕
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1	12,412	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1	0

Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
		NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
		NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
		NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
		NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
		NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
		NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 5)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot						Accountable Watts	Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; if F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 5)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
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Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot						Accountable Watts	Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; if F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 4 of 5)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
DL	26w Down Light	22.0	☐	☑	34	748	Office <= 250 sqft	☐	☐
RT	2 Lamp 4 ft T8	47.0	☐	☑	104	4,888	Office <= 250 sqft	☐	☐
SMT	2 Lamp 4 ft T8	50.0	☐	☑	29	1,450	Office <= 250 sqft	☐	☐
SMW	LED Light-LBL2 LP835	26.0	☐	☑	13	338	Office <= 250 sqft	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
INSTALLED WATTS PAGE TOTAL:						7,424	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 5)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Matt Billy	Documentation Author Signature: Matt Billy
Company: Matt Billy T-24 Energy Calcs	Signature Date: 11/5/2014
Address: 1050 North Carpenter Road, Suite H1	CEA/ HERS Certification Identification (if applicable): CABEC California Association of Building Energy Consultants CERTIFIED ENERGY ANALYST
City/State/Zip: Modesto, CA 95351	Phone: (209) 524-1623

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Frank S. Lemos	Responsible Designer Signature: Frank S. Lemos
Company : Brite Electric, Inc.	Date Signed: 12-12-2014
Address: P.O. Box 3639	License: 933001
City/State/Zip: Turlock, CA 95381	Phone: 209-632-7291

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
		Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
		One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
		A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
		General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
		Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ if Acceptance Test Required	Field Inspector	
										Watts of Controlled Lighting	PAF	Control Credit (K x L)			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)					Pass	Fail
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):												0			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):												0			
												Enter Control Credit total into NRCC-LTI-01-E; Page 1.			

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

This set of plans MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Safety Division, City of Modesto.
REVIEWED FOR CODE COMPLIANCE
DEC 30 2014
By__________ Permit No.__________
The stamping of this plan SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

REVISIONS	DATE

BRITE ELECTRIC, INC.
P.O. BOX 3639 - TURLOCK, CA 95381
PH: (209) 632-7291 FAX: (209) 632-9389
CA LICENSE NO. 933001
NV LICENSE NO. 0074619 / WA LICENSE NO. LEMOSFS 038RF

Electrical Layout Design Property of BRITE ELECTRIC, INC.
FRANK S. LEMOS — DATE 12-12-2014
(Use By Permission Only)

THIS DRAWING IS PREPARED ONLY FOR WORK TO BE PERFORMED BY BRITE ELECTRIC, INC. UNDER THE EXCEPTION TO DIVIDION 3 BY SETION 55537.2 OF THE BUSINESS AND PROFESSION CODE AND IS NOT FOR ANY OTHER USE WITHOUT THE EXPRESS WRITTEN CONSENT OF BRITE ELECTRIC, INC

CENTER OF HUMAN SERVICE
TITLE 24
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

DATE :
JOB NO. :
DRAWN :
CHECKED :
SHEET :
E7

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☐ CONDITIONED SPACES ☑ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)						PAF Credit Calculation [2]			✓ if Acceptance Test Required	Field Inspector	
Lighting Control Schedule									Watts of Controlled Lighting	PAF	Credit (K x L)		O	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.1(f)	§140.6(d)				Pass	Fail
													☐	☐
													☐	☐
													☐	☐
													☐	☐
													☐	☐
													☐	☐
Control Credit PAGE TOTAL (Sum of Column M):												0		
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):												0		
												Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
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STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Matt Billy	Documentation Author Signature:	Matt Billy
Company:	Matt Billy T-24 Energy Calcs	Signature Date:	11/5/2014
Address:	1050 North Carpenter Road, Suite H1	CEA/ HERS Certification Identification (if applicable):	CABEC CERTIFIED ENERGY ANALYST
City/State/Zip:	Modesto, CA 95351	Phone:	(209) 524-1623

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Frank S. Lemos	Responsible Designer Signature:	Frank S. Lemos
Company:	Brite Electric, Inc.	Date Signed:	12-12-2014
Address:	P.O. Box 3639	License:	933001
City/State/Zip:	Turlock, CA 95381	Phone:	209-632-7291

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

ALLOWED LIGHTING POWER
A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)	(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)		
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)		12,412
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E		0
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1		12,412

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

A	B		C		D
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft²)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (C-2 plus C-3)

	Watts
Total from section C-2	12,412
Total from section C-3	0
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	12,412

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: Center of Human Service	Date Prepared: 11/5/2014

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C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.
☐ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A		B		C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS				ALLOWED
Location in Building	Primary Function Area per Table 140.6-C	PER (ft²)	X	AREA (ft²)	=	WATTS
First Floor	Convention/Conference/Meeting	1.40		1,028		1,439
First Floor	Lobby, Main Entry	1.50		523		785
First Floor	Dining	1.10		470		517
First Floor	Corridor/Restroom/Support	0.60		212		127
First Floor	Corridor/Restroom/Support	0.60		1,837		1,102
First Floor	Office <= 250 sqft	1.00		7,430		7,430
Second Floor	Convention/Conferenee/Meeting	1.40		546		764
Second Floor	Corridor/Restroom/Support	0.60		87		52
Second Floor	Office <= 250 sqft	1.00		195		195
		TOTALS		12,328		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						12,412
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
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Jack of Clubs 12-12-2014
FRANK S. LEMOS DATE
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