

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 (CO2) MONITORING: FOR BUILDINGS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 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.

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 I OR O 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.

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

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.

SHEET INDEX

SYMBOL	ABBREVIATION	DESCRIPTION
☒	SAD	SUPPLY AIR DIFFUSER
☐	RAG	RETURN AIR GRILLE
☒	EAG	EXHAUST AIR GRILLE
7	MVD	MANUAL VOLUME DAMPER
Ⓣ	STAT	THERMOSTAT
Ⓢ	COS	CO ₂ SENSOR
Ⓜ	AD	ACCESS DOOR
Ⓡ	RS	REMOTE SENSOR
ⓈⓉ	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
ⓔ	FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR	
Ⓜ	FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR	
Ⓜⓔ	FURNISHED BY MECH & INSTALLED BY ELEC CONTRACTOR	
Ⓟ	FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR	

CALGREEN NOTES

MECHANICAL NOTES

LEGEND

DEHART

Plumbing, Heating & Air, Inc.

Since 1946

12/12/14

Moist Room

311 BRIDGEMAN AVE • MODESTO, CA 95354

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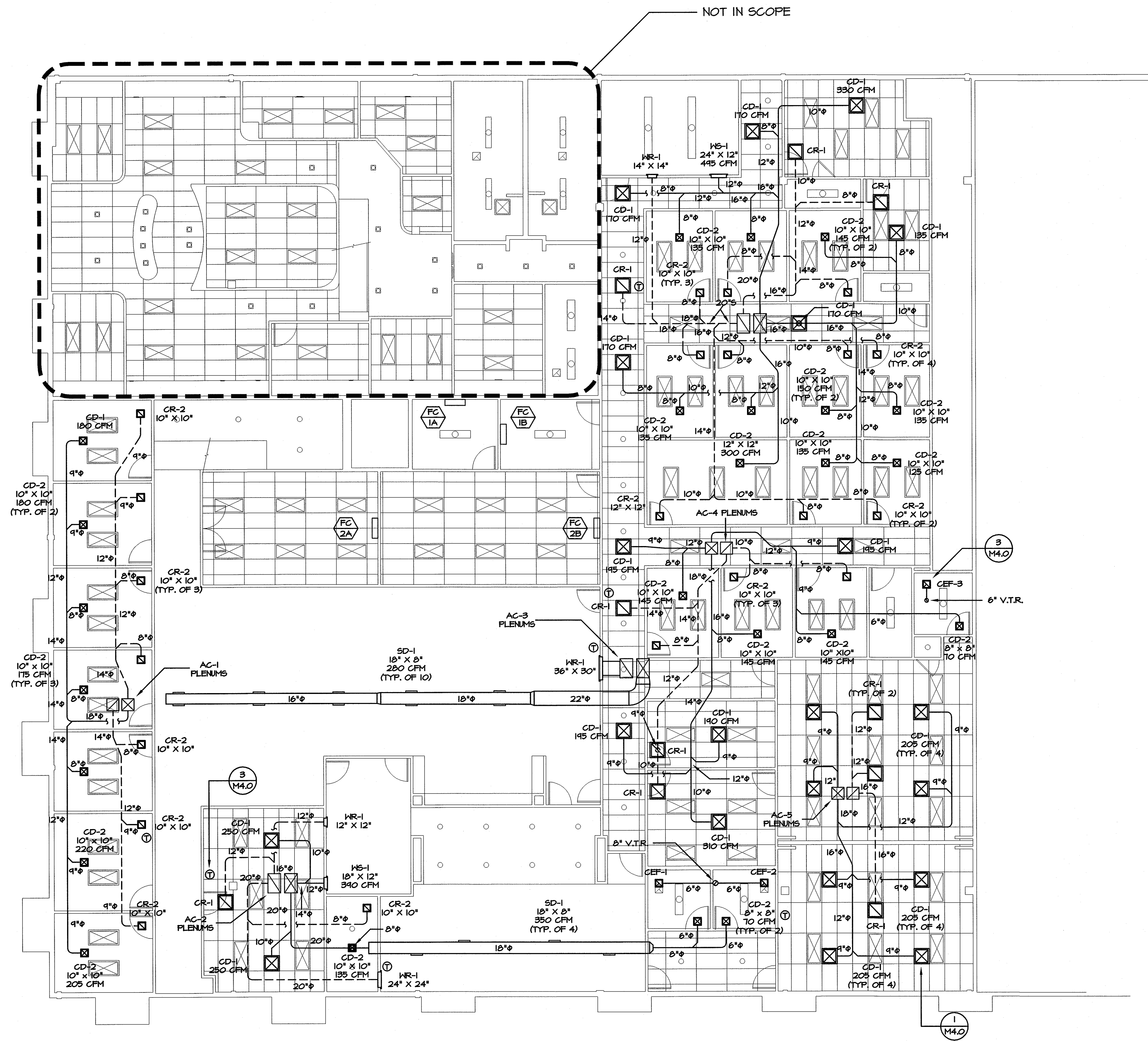
PROPOSED TENANT IMPROVEMENT FOR:
CENTER FOR HUMAN SERVICES
2000 W. BRIGGSMORE, SUITE I
MODESTO, CALIFORNIA 95350

REVISIONS:

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

NOTES

M0.0



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CENTER FOR HUMAN SERVICES

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REVISIONS:

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

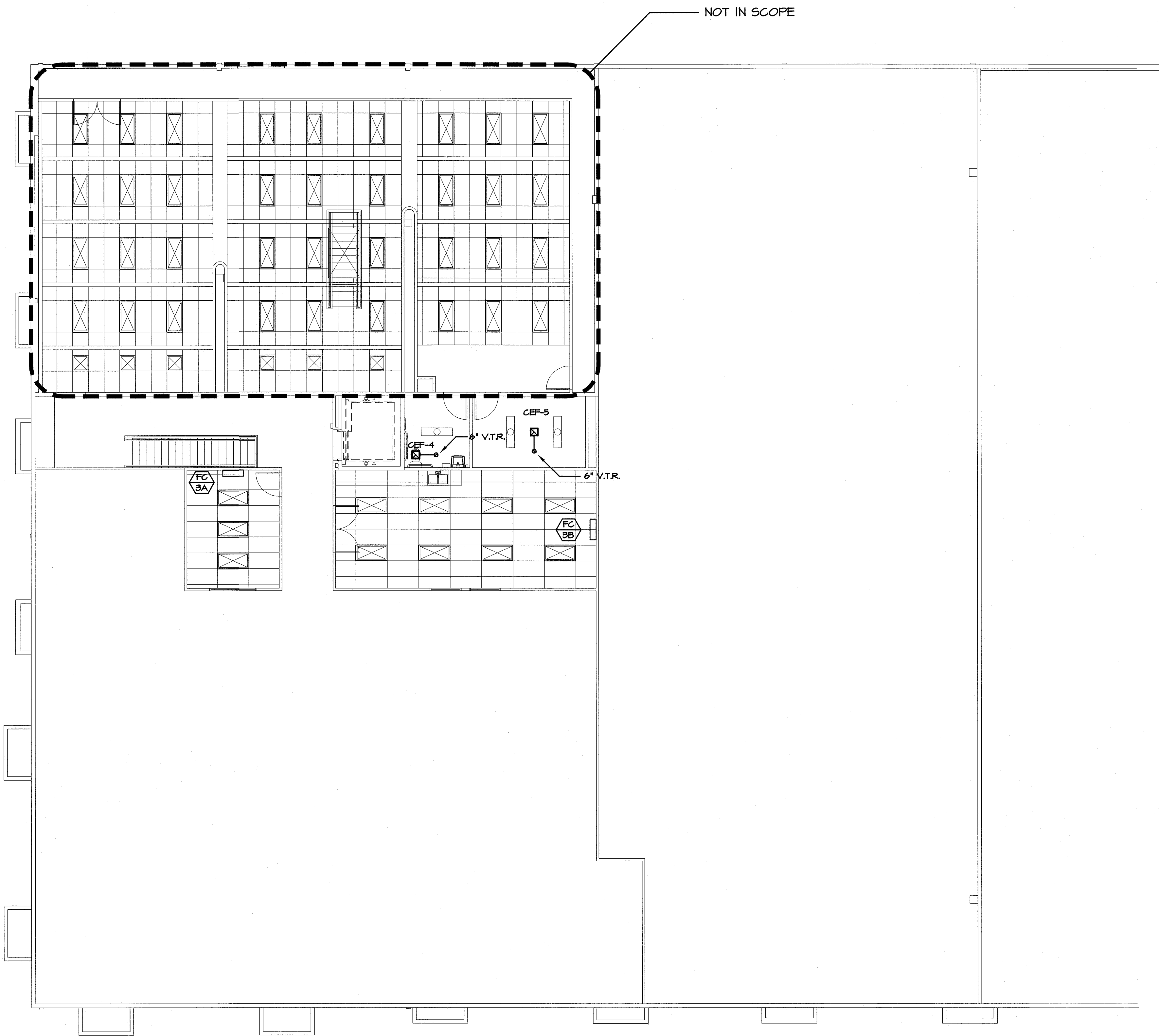
GROUND FLOOR
AIR DISTRIBUTION
PLAN

MI.O

DEHART
Plumbing, Heating & Air, Inc.
1111 BRITTO WAY • MODESTO, CA 95356
PH (209) 523-4618 • FAX (209) 523-4607
LICENSE #121666

With Kim
12/12/14

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Matthew
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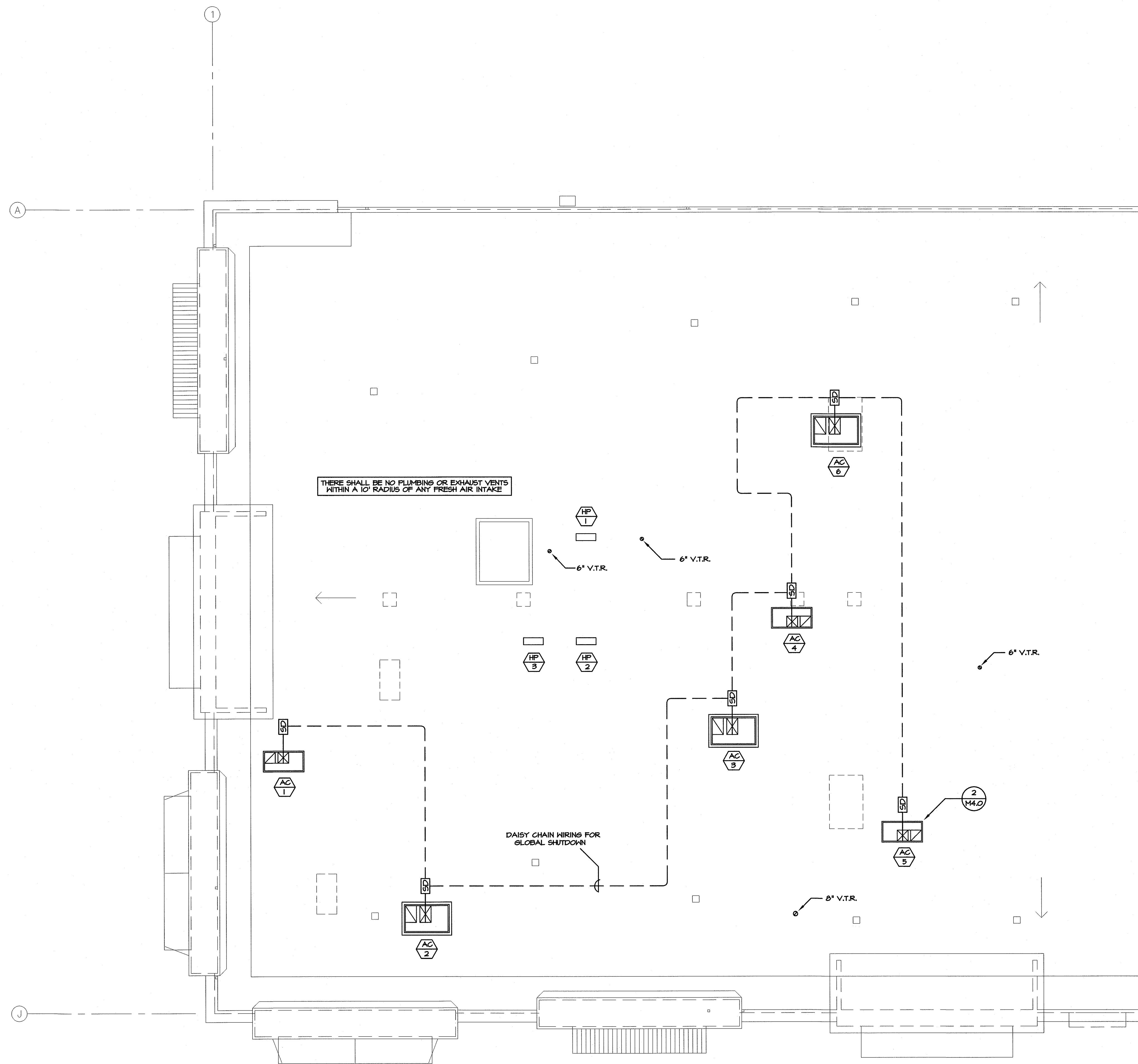
2000 W. BRICCSMOORE, SUITE 1
MODESTO, CALIFORNIA 95350

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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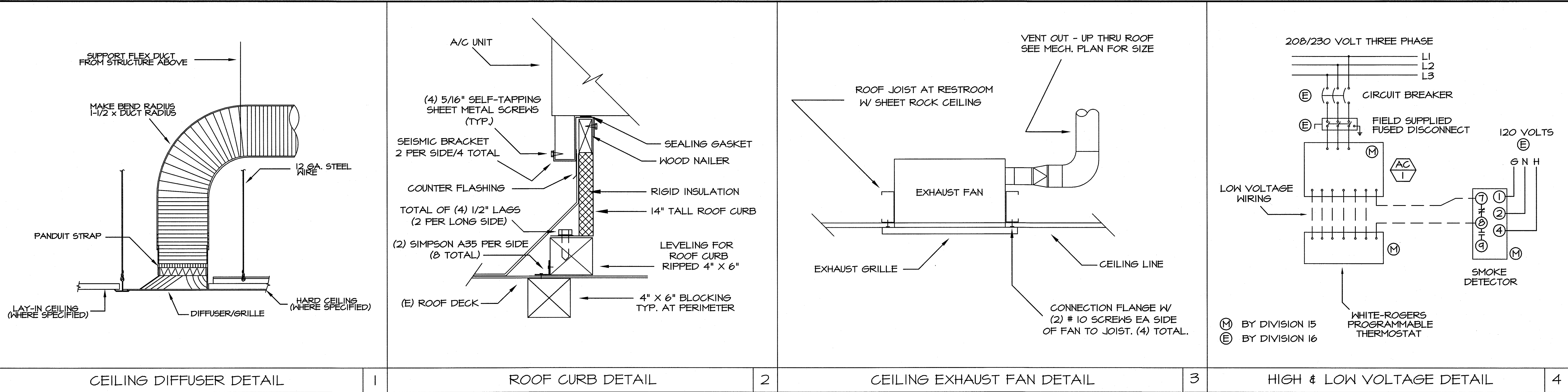
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DATE: 10/14/14

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

HVAC ROOF PLAN

M3.0



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	ZFO48NO6N2AAA2	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	ZFO49N1OH2EZZ5	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	ZFO49N1OH2EZZ5	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	ZFO60NO8N2AAA2	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	ZFO60NO8N2AAA2	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	ZFO49N1OH2EZZ5	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.

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	5300FL	AS NOTED	

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REVIEWED FOR CODE COMPLIANCE

YORK PACKAGE UNIT SCHEDULE

5

DEC 30 2014

DIFFUSER SCHEDULE

6

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.

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-GEI2NA-B	406	12,000	14,400		—			22 LBS.	16	
FC-1B	MITSUBISHI	MSZ-GEI8NA-B	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-GEI2NA-B	406	12,000	14,400		—			22 LBS.	180	
FC-2B	MITSUBISHI	MSZ-GEI8NA-B	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-GEO6NA-B	406	6,000	7,200		—			22 LBS.	95	
FC-3B	MITSUBISHI	MSZ-GEI8NA-B	512	17,200	21,600		—			22 LBS.	256	

EXHAUST FAN SCHEDULE

7

MITSUBISHI DUCTLESS UNIT SCHEDULE

8

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Modesto

12/13/14

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MODESTO, CALIFORNIA 95350

REVISIONS:

DRAWN: M. KILLOUGH

CHECKED: J. HARDIN

DATE: 10/14/14

SCALE: NONE

SCHEDULES & DETAILS

M4.0

[illegible][illegible][illegible]

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
CERTIFICATE OF COMPLIANCE
Mechanical Systems

CALIFORNIA MECHANICAL CONTRACTORS
LICENSING BOARD
Form IRLS 2-1 (2012)

Manufacturer: Carrier for Furnace Systems

Installation Date: 11/20/2014

Mechanical Compliance Codes & Worksheet(s) (check box if worksheet is included)

For detailed instructions on the use of this *California Mechanical Compliance Forms*, refer to the 2012 *National Residential Manual*.

Note: The Enforcement Agency must return all forms to be certified on the following dates:

	APC-001 (APC-001-01) (Part 1 of 3)	APC-002 (APC-002-01) (Part 1 of 3)	APC-003 (APC-003-01) (Part 1 of 3)	APC-004 (APC-004-01) (Part 1 of 3)	APC-005 (APC-005-01) (Part 1 of 3)	APC-006 (APC-006-01) (Part 1 of 3)	APC-007 (APC-007-01) (Part 1 of 3)	APC-008 (APC-008-01) (Part 1 of 3)	APC-009 (APC-009-01) (Part 1 of 3)	APC-010 (APC-010-01) (Part 1 of 3)	APC-011 (APC-011-01) (Part 1 of 3)	APC-012 (APC-012-01) (Part 1 of 3)	APC-013 (APC-013-01) (Part 1 of 3)	APC-014 (APC-014-01) (Part 1 of 3)	APC-015 (APC-015-01) (Part 1 of 3)	APC-016 (APC-016-01) (Part 1 of 3)	APC-017 (APC-017-01) (Part 1 of 3)	APC-018 (APC-018-01) (Part 1 of 3)	APC-019 (APC-019-01) (Part 1 of 3)	APC-020 (APC-020-01) (Part 1 of 3)	APC-021 (APC-021-01) (Part 1 of 3)	APC-022 (APC-022-01) (Part 1 of 3)	APC-023 (APC-023-01) (Part 1 of 3)	APC-024 (APC-024-01) (Part 1 of 3)	APC-025 (APC-025-01) (Part 1 of 3)	APC-026 (APC-026-01) (Part 1 of 3)	APC-027 (APC-027-01) (Part 1 of 3)	APC-028 (APC-028-01) (Part 1 of 3)	APC-029 (APC-029-01) (Part 1 of 3)	APC-030 (APC-030-01) (Part 1 of 3)	APC-031 (APC-031-01) (Part 1 of 3)	APC-032 (APC-032-01) (Part 1 of 3)	APC-033 (APC-033-01) (Part 1 of 3)	APC-034 (APC-034-01) (Part 1 of 3)	APC-035 (APC-035-01) (Part 1 of 3)	APC-036 (APC-036-01) (Part 1 of 3)	APC-037 (APC-037-01) (Part 1 of 3)	APC-038 (APC-038-01) (Part 1 of 3)	APC-039 (APC-039-01) (Part 1 of 3)	APC-040 (APC-040-01) (Part 1 of 3)	APC-041 (APC-041-01) (Part 1 of 3)	APC-042 (APC-042-01) (Part 1 of 3)	APC-043 (APC-043-01) (Part 1 of 3)	APC-044 (APC-044-01) (Part 1 of 3)	APC-045 (APC-045-01) (Part 1 of 3)	APC-046 (APC-046-01) (Part 1 of 3)	APC-047 (APC-047-01) (Part 1 of 3)	APC-048 (APC-048-01) (Part 1 of 3)	APC-049 (APC-049-01) (Part 1 of 3)	APC-050 (APC-050-01) (Part 1 of 3)	APC-051 (APC-051-01) (Part 1 of 3)	APC-052 (APC-052-01) (Part 1 of 3)	APC-053 (APC-053-01) (Part 1 of 3)	APC-054 (APC-054-01) (Part 1 of 3)	APC-055 (APC-055-01) (Part 1 of 3)	APC-056 (APC-056-01) (Part 1 of 3)	APC-057 (APC-057-01) (Part 1 of 3)	APC-058 (APC-058-01) (Part 1 of 3)	APC-059 (APC-059-01) (Part 1 of 3)	APC-060 (APC-060-01) (Part 1 of 3)	APC-061 (APC-061-01) (Part 1 of 3)	APC-062 (APC-062-01) (Part 1 of 3)	APC-063 (APC-063-01) (Part 1 of 3)	APC-064 (APC-064-01) (Part 1 of 3)	APC-065 (APC-065-01) (Part 1 of 3)	APC-066 (APC-066-01) (Part 1 of 3)	APC-067 (APC-067-01) (Part 1 of 3)	APC-068 (APC-068-01) (Part 1 of 3)	APC-069 (APC-069-01) (Part 1 of 3)	APC-070 (APC-070-01) (Part 1 of 3)	APC-071 (APC-071-01) (Part 1 of 3)	APC-072 (APC-072-01) (Part 1 of 3)	APC-073 (APC-073-01) (Part 1 of 3)	APC-074 (APC-074-01) (Part 1 of 3)	APC-075 (APC-075-01) (Part 1 of 3)	APC-076 (APC-076-01) (Part 1 of 3)	APC-077 (APC-077-01) (Part 1 of 3)	APC-078 (APC-078-01) (Part 1 of 3)	APC-079 (APC-079-01) (Part 1 of 3)	APC-080 (APC-080-01) (Part 1 of 3)	APC-081 (APC-081-01) (Part 1 of 3)	APC-082 (APC-082-01) (Part 1 of 3)	APC-083 (APC-083-01) (Part 1 of 3)	APC-084 (APC-084-01) (Part 1 of 3)	APC-085 (APC-085-01) (Part 1 of 3)	APC-086 (APC-086-01) (Part 1 of 3)	APC-087 (APC-087-01) (Part 1 of 3)	APC-088 (APC-088-01) (Part 1 of 3)	APC-089 (APC-089-01) (Part 1 of 3)	APC-090 (APC-090-01) (Part 1 of 3)	APC-091 (APC-091-01) (Part 1 of 3)	APC-092 (APC-092-01) (Part 1 of 3)	APC-093 (APC-093-01) (Part 1 of 3)	APC-094 (APC-094-01) (Part 1 of 3)	APC-095 (APC-095-01) (Part 1 of 3)	APC-096 (APC-096-01) (Part 1 of 3)	APC-097 (APC-097-01) (Part 1 of 3)	APC-098 (APC-098-01) (Part 1 of 3)	APC-099 (APC-099-01) (Part 1 of 3)	APC-100 (APC-100-01) (Part 1 of 3)	APC-101 (APC-101-01) (Part 1 of 3)	APC-102 (APC-102-01) (Part 1 of 3)	APC-103 (APC-103-01) (Part 1 of 3)	APC-104 (APC-104-01) (Part 1 of 3)	APC-105 (APC-105-01) (Part 1 of 3)	APC-106 (APC-106-01) (Part 1 of 3)	APC-107 (APC-107-01) (Part 1 of 3)	APC-108 (APC-108-01) (Part 1 of 3)	APC-109 (APC-109-01) (Part 1 of 3)	APC-110 (APC-110-01) (Part 1 of 3)	APC-111 (APC-111-01) (Part 1 of 3)	APC-112 (APC-112-01) (Part 1 of 3)	APC-113 (APC-113-01) (Part 1 of 3)	APC-114 (APC-114-01) (Part 1 of 3)	APC-115 (APC-115-01) (Part 1 of 3)	APC-116 (APC-116-01) (Part 1 of 3)	APC-117 (APC-117-01) (Part 1 of 3)	APC-118 (APC-118-01) (Part 1 of 3)	APC-119 (APC-119-01) (Part 1 of 3)	APC-120 (APC-120-01) (Part 1 of 3)	APC-121 (APC-121-01) (Part 1 of 3)	APC-122 (APC-122-01) (Part 1 of 3)	APC-123 (APC-123-01) (Part 1 of 3)	APC-124 (APC-124-01) (Part 1 of 3)	APC-125 (APC-125-01) (Part 1 of 3)	APC-126 (APC-1
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PERFORMANCE CERTIFICATE OF COMPLIANCE					(Part 2 of 3)		PERF-#
Project Name Center for Human Services							Date 11/2/20
ANNUAL TYP ENERGY USE SUMMARY (kBtuEqt-yr)							
Energy Component	Standard Design	Proposed Design	Compliance Margin				
Space Heating	39.05	2.49	57.53	Heating			
Space Cooling	145.86	88.43	47.43	Cooling			
Indoor Fans	17.94	92.54	-74.60	Fans			
Heat Rejection	0.00	0.00	0.00	Heat Re			
Pumps & Misc.	1.12	0.00	1.12	Pumps			
Domestic Hot Water	0.00	0.00	0.00	DHW			
Lighting	47.36	47.36	0.00	Lighting			
Receptacle	10.34	70.34	-60.00	Receptacle			
Process	0.00	0.00	0.00	Process			
Special Lighting	0.00	0.00	0.00	Process Ltg			
TOTALS	321.91	217.33	104.58				
Percent better than Standard		0.23%	(0.2% excluding process)				

BUILDING COMPLIES

GENERAL INFORMATION			
BUILDING Orientation	NW 1/4 Hwy	Conditioned Floor Area	15,860 sqft
Number of Stories	2	Unconditioned Floor Area	2221 sqft
Number of Systems	8	Conditioned Footprint Area	15,130 sqft
Number of Zones	20	Natural Gas Available On Site	Yes

	Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(N)	1,110 sqft	282 sqft	21.7%
Left Elevation	(E)	771 sqft	141 sqft	18.4%
Rear Elevation	(S)	210 sqft	23 sqft	10.9%
Right Elevation	(W)	6 sqft	0 sqft	0.0%
Total		2,186 sqft	437 sqft	19.7%
Roof		10,500 sqft	0 sqft	0.0%

	Standard	Proposed	Prescriptive Values for Compliance Only. See LTV(1) for allowed LPD.
Prescriptive Lighting Power Density	0.990 W/sqft	0.890 W/sqft	

Remarks:

EnergyStar 3.3 by EnergyStar
 User Number: 7380
 RuleCode: 2014-11-11T15:48
 ID: _____
 Page 3 of 3

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CALIFORNIA AIR RESOURCES BOARD
CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION
Pesticide Use and Management Division

Contract for Human Services

Contract No. 1102014

ANALYTICAL SERVICES

ANALYTICAL SERVICES TO SUPPORT PESTICIDE USE AND MANAGEMENT DIVISION

Contract No. 1102014

[illegible]

PERFORMANCE CERTIFICATE OF COMPLIANCE			(Part 1 of 3)	PERF-1
Center for Human Services Project Address 200 West 8th Street Ste 1 Modesto			Contract No. CA 21000	Date 11/30/20
GENERAL INFORMATION Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel/Guest Room ☐ Relocatable - indicate ☐ specific climate zone ☐ At all climates Phase of Construction: ☐ New Construction ☐ Add-on ☐ Alteration			Total Cost Floor Area \$10,000 10,000	
This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 6 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 _____ Signature _____ <i>John</i> Company Ductworks Inc. Date 11/30/2014 Address 6000 M Street City/County Hayward, CA State 94609				
The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the energy compliance forms and worksheets, with the specifications, and with the calculations submitted in support of this permit application. This 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 140.0 of Title 24, Part 6. ENR 170 MECH 140 ☐ ☐ I have fully met or exceeded the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for the preparation, and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, and/or a licensed architect. ☐ ☐ I am an eligible under the provisions of Division 3 of the Business and Professions Code to sign Section 5537 or 6732.3 to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work. ☐ ☐ I am an eligible sign under Division 3 of the Business and Professions Code to sign this document because I am qualified by my education or work experience as exempt pursuant to the Business and Professions Code Sections 5537, 5538 and 6737.3.				
Principal Envelope Designer Name _____ Signature _____ <i>John</i> Company Lincoln Architects Limited Date 12/15/18 Address 1414 5th Street City/County San Jose State 95128				
Principal Mechanical Designer Name Math Lillioth Signature <i>Math Lillioth</i> Company Central Planning & Design Date 12/16/18 Address 2710 River Street City/County San Jose State 95128				
Principal Lighting Designer Name _____ Signature _____ Company Lighting Compliance Not in the Scope of This Event Date _____ Address _____ City/County _____ State _____				
COMPLIANCE TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included) ENR ENR-61 Confidence of Compliance. Required on plans. M-20102 Confidence of Compliance. Required on plans. L-101 Confidence of Compliance. Required on plans. M-20102 IMC Airway Box Requirements. L-101 Confidence of Compliance. Required on plans. M-20102 IMC Airway Box Requirements.				

 650 N Wilma Avenue Ripon, CA 95366 (209) 579-5000 (209) 522-5001	DATE CREATED 10/31/2014		CENTER FOR HUMAN SERVICES Modesto, CA		No. REVISION		DATE
	SHEET		ENERGY FORMS		No. REVISION		DATE
	EN-1		TITLE-24 COMPLIANCE DOCUMENTS		No. REVISION		DATE
	EN-1		TITLE-24 COMPLIANCE DOCUMENTS		No. REVISION		DATE
	EN-1		TITLE-24 COMPLIANCE DOCUMENTS		No. REVISION		DATE