

EXHIBIT M

303 W. 5TH STREET REMODEL RECORD DRAWINGS

FOR

SAN BERNARDINO COUNTY

303 W. 5TH STREET DESIGN-BUILD PROJECT

PROJECT NUMBER 10.10.1699



5 TH AVENUE

ARROWHEAD AVE

SAN BERNARDINO FIRE DEPARTMENT REQUIREMENTS

ADDRESS NUMERALS SHALL BE INSTALLED ON THE BUILDING AT THE FRONT OR OTHER APPROVED LOCATION SUCH A HANDY AS TO BE VISIBLE FROM THE FRONTAGE STREET. COMMERCIAL AND MULTI-FAMILY ADDRESS NUMERALS SHALL BE 4 INCHES TALL. SINGLE-FAMILY ADDRESS NUMERALS SHALL BE 4 INCHES TALL. THE COLOR OF THE NUMERALS SHALL CONTRAST WITH THE COLOR OF THE BACKGROUND.

FIRE EXTINGUISHERS MUST BE INSTALLED PRIOR TO THE BUILDING BEING OCCUPIED. THE MINIMUM RATING FOR ANY FIRE EXTINGUISHER IS 2A:10B:C. MINIMUM DISTRIBUTION OF FIRE EXTINGUISHERS MUST BE SUCH THAT NO INTERIOR PART OF THE BUILDING IS OVER 75 FEET TRAVEL DISTANCE FROM A FIRE EXTINGUISHER.

ALL BUILDINGS OVER 5,000 SQUARE FEET SHALL BE EQUIPPED WITH AN AUTO-MATIC FIRE SPRINKLER SYSTEM DESIGNED TO NFPA STANDARDS. THIS INCLUDES EXISTING BUILDINGS VACANT FOR OVER 365 DAYS.

SUBMIT PLANS FOR THE FIRE PROTECTION SYSTEM TO THE FIRE DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION OF THE SYSTEM. PERMIT REQUIRED.

TENANT IMPROVEMENTS IN ALL SPRINKLERED BUILDINGS ARE TO BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO START OF CONSTRUCTION. PERMIT REQUIRED.

FIRE SPRINKLER MONITORING REQUIRED. PLANS MUST BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO THE START OF CONSTRUCTION. PERMIT REQUIRED.

PROVIDE KNOX BOX ENTRY SYSTEM.

BUILDING DATA

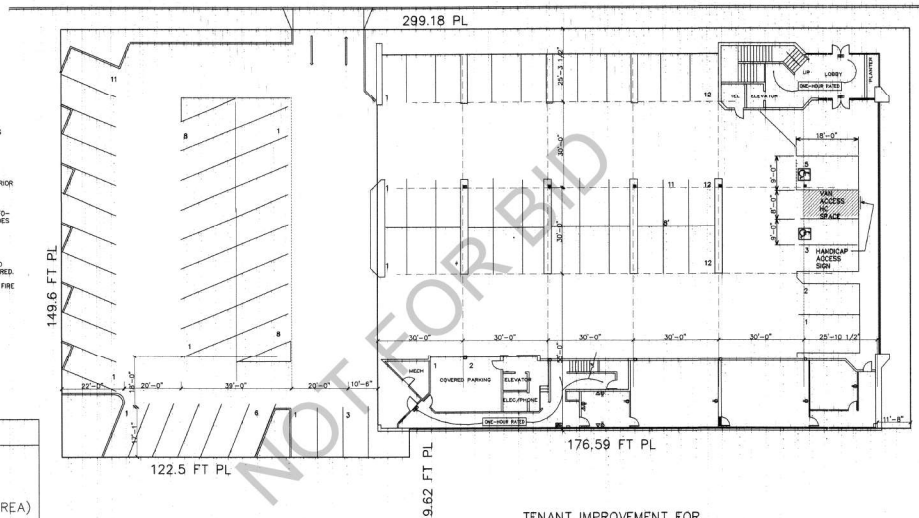
OCCUPANCY: S-4, B
 TYPE OF CONSTRUCTION: II METAL CONST.
 SPRINKLERED: YES
 TOTAL FLOOR AREA: 22,900 SF (TI AREA)
 STORIES: 2
 OCCUPANCY LOAD: 1 PERSON/100 SF
 REQUIRED EXITS: 2

AREAS - ALL EXISTING

1ST FLOOR PARKING 18,154 SF
 1ST FLOOR PUBLIC SPACE 1,740 SF
 1ST FLOOR STORAGE/UTILITIES 3,006 SF
 2ND FLOOR 22,900 SF

CODES

THIS PROJECT SHALL BE CONSTRUCTED PER 1949 EDITION OF THE CALIFORNIA BUILDING CODE (TITLE 24) WHICH ADOPTS THE 1987 UBC, UMC, UPC, AND 1996 NEC.



SITE PLAN

SCALE 1 INCH = 16 FT

TENANT IMPROVEMENT FOR
 STATE OF CALIFORNIA DEPT OF CORRECTIONS
 TOTAL OFFICE AREA 23,300 SQ FT
 PARKING REQUIRED 23,300/300 = 77.6
 PARKING SPACES SHOWN 79

PETE VOLBEDA Architecture Planning
 127 W B ST. ONTARIO CA 91762
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DATE	REVISION
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SITE PLAN
 STATE OF CALIFORNIA CORRECTIONS DEPT REMODEL
 303 W 5TH ST. SAN BERNARDINO

1

GENERAL PLAN CHECKER'S NOTES

EXIT SIGNS SHALL BE ILLUMINATED BY TWO LAMPS OR BE OF AN APPROVED SELF-LUMINOUS TYPE. CURRENT TO ONE LAMP SHALL BE PROVIDED BY THE PREMISES WIRING SYSTEM. POWER TO THE OTHER LAMP SHALL BE PROVIDED BY AN EMERGENCY SYSTEM (STORAGE BATTERIES, GENERATOR). UBC 1003.2.8.4

WHERE THE EXITING SYSTEM SERVES AN OCCUPANT LOAD OF 100 OR MORE, THE POWER SUPPLY FOR EGRESS ILLUMINATION SHALL BE PROVIDED BY AN EMERGENCY SYSTEM (STORAGE BATTERIES, GENERATOR) IN EVENT OF FAILURE OF THE PREMISES WIRING SYSTEM. UBC 1003.2.9.1

EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHT HAVING AN INTENSITY OF NOT LESS THAN 1 FOOT CANDLE (10.76 LX) AT FLOOR LEVEL. UBC 1003.2.8.1

IN COMBUSTIBLE CONSTRUCTION, DRAFT STOPS SHALL BE INSTALLED IN ATTICS, SPACE ABOVE T-BAR CEILINGS, MANSARDS, OVERHANGS, FALSE FRONTS AND SIMILAR CONCEALED SPACES OF BUILDINGS. THE AREA BETWEEN DRAFT STOPS SHALL NOT EXCEED 3000 SQ. FT. OR A HORIZONTAL DISTANCE OF 80 FT. IN FIRE SPRINKLED BUILDINGS, THE AREAS SHALL NOT EXCEED 9000 SQ. FT. OR 100 FT. IN LENGTH. UBC 706.3.1.2.2

LOBBIES AND CORRIDORS SHALL BE 1 HR. RATED.

DISABLED ACCESSIBLE PARKING SPACES SHALL CONFORM TO THE FOLLOWING:
9'0" X 18'0" SPACE WITH A STRIPED 5'-0" SIDE LOADING AND UNLOADING AREA ON THE PASSENGER SIDE (DOUBLE ACCESSIBLE SPACES MAY UTILIZE THE SAME 9'0" SPACE. NOT LESS THAN ONE VAN ACCESSIBLE SPACE SHALL BE PROVIDED WITH A 8' ACCESSIBLE LOCATED ON THE PASSENGER SIDE.

THE PARKING SPACE AND UNLOADING AREA SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.

ALL SPACES SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON A REFLECTORIZED SIGN (70 SQ. IN. MIN.) POSTED AT +80" MIN. OR AFFIXED TO A WALL AT 36" MIN.

AT EACH STREET ENTRANCE TO THE PARKING AREA POST A SIGN (17" X 22" MIN.) STATING THAT UNAUTHORIZED VEHICLES PARKING IN DESIGNATED HANDICAPPED SPACES MAY BE TOWED AWAY.

SURFACE OF PARKING SPACES SHALL HAVE OUTLINE OF A WHEELCHAIR WITH OCCUPANT 36" X 36" MIN. DIMENSION.

PROVIDE THE MIN. NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES AND VAN ACCESSIBLE PARKING SPACES PER CBCD 1129B.

POST THE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON OR ADJACENT TO ALL ACCESSIBLE BUILDING ENTRANCES. CBC 1117 B.5.9

DOORS TO DISABLED ACCESSIBLE SANITARY FACILITIES SHALL BE IDENTIFIED BY 1/4" THICK GEOMETRIC SYMBOLS OF CONTRASTING COLOR AND CENTERED ON THE DOOR AT A HEIGHT OF 60". A 12" EQUILATERAL TRIANGLE FOR MEN, A 12" DIAMETER CIRCLE FOR WOMEN, AND A COMBINATION OF BOTH SYMBOLS FOR UNISEX FACILITIES. CBC 1115 B.5. SEE ALSO, CBC 1117 B.5.9 FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO SANITARY FACILITIES (BRAILLE)

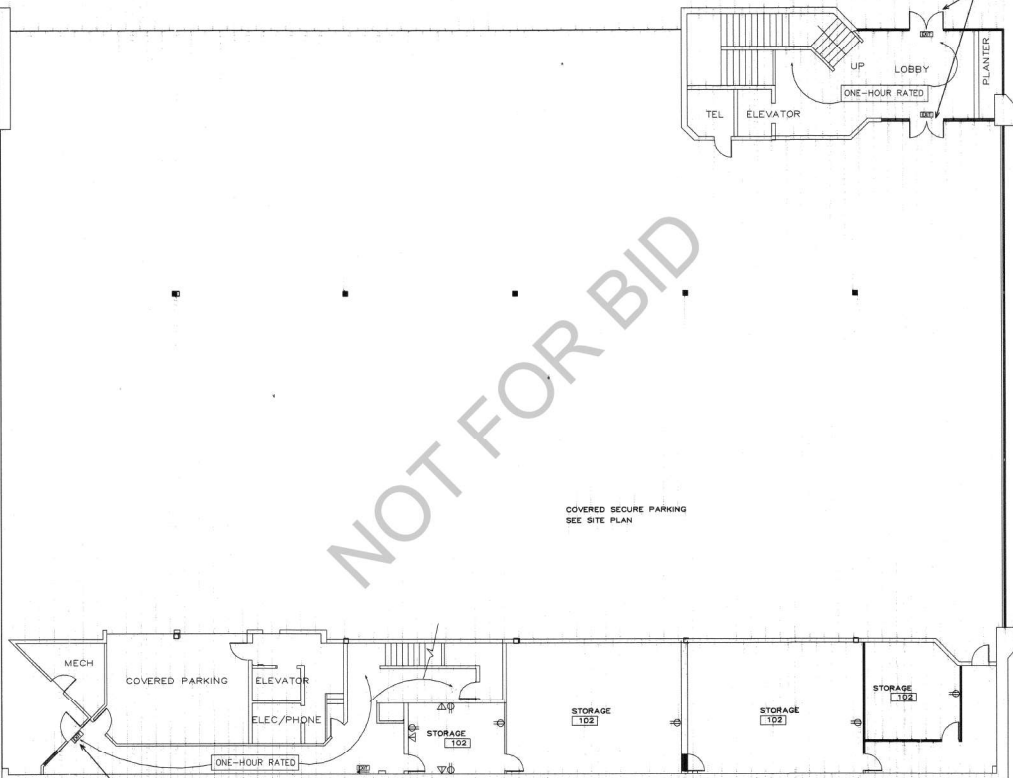
ACCESSIBLE DRINKING FOUNTAIN SHALL BE THE HIGH/LOW TYPE. CBC 1117B.1.1

ACCESSIBLE DRINKING FOUNTAINS SHALL BE LOCATED IN AN ALCOVE. CBC 1117 B.1.2

THE UPPER APPROACH AND THE LOWER TREAD OF EACH STAIR INSIDE A BUILDING SHALL BE MARKED BY A 2" WIDE STRIP OF CONTRASTING COLOR. CBC 1133 B.4.4

THE ELEVATOR SHALL BE ACCESSIBLE. CBC CHAPTER 3D.

PROVIDE 3'0" X 6'8" MIN. EXIT DOORS THEY SHALL BE CAPABLE OF PROVIDING A NET CLEAR EXIT WIDTH OF 32" MIN.
PROVIDE LEVER HARDWARE FOR ALL DOORS THAT ARE EQUIPPED WITH A LATCH OR LOCKING DEVICE, AND IN PATH OF TRAVEL OTHER THAN PANIC TYPE.



PROVIDE 3'0" X 6'8" MIN. EXIT DOORS THEY SHALL BE CAPABLE OF PROVIDING A NET CLEAR EXIT WIDTH OF 32" MIN.
PROVIDE LEVER HARDWARE FOR ALL DOORS THAT ARE EQUIPPED WITH A LATCH OR LOCKING DEVICE, AND IN PATH OF TRAVEL OTHER THAN PANIC TYPE.

FIRST FLOOR PLAN

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

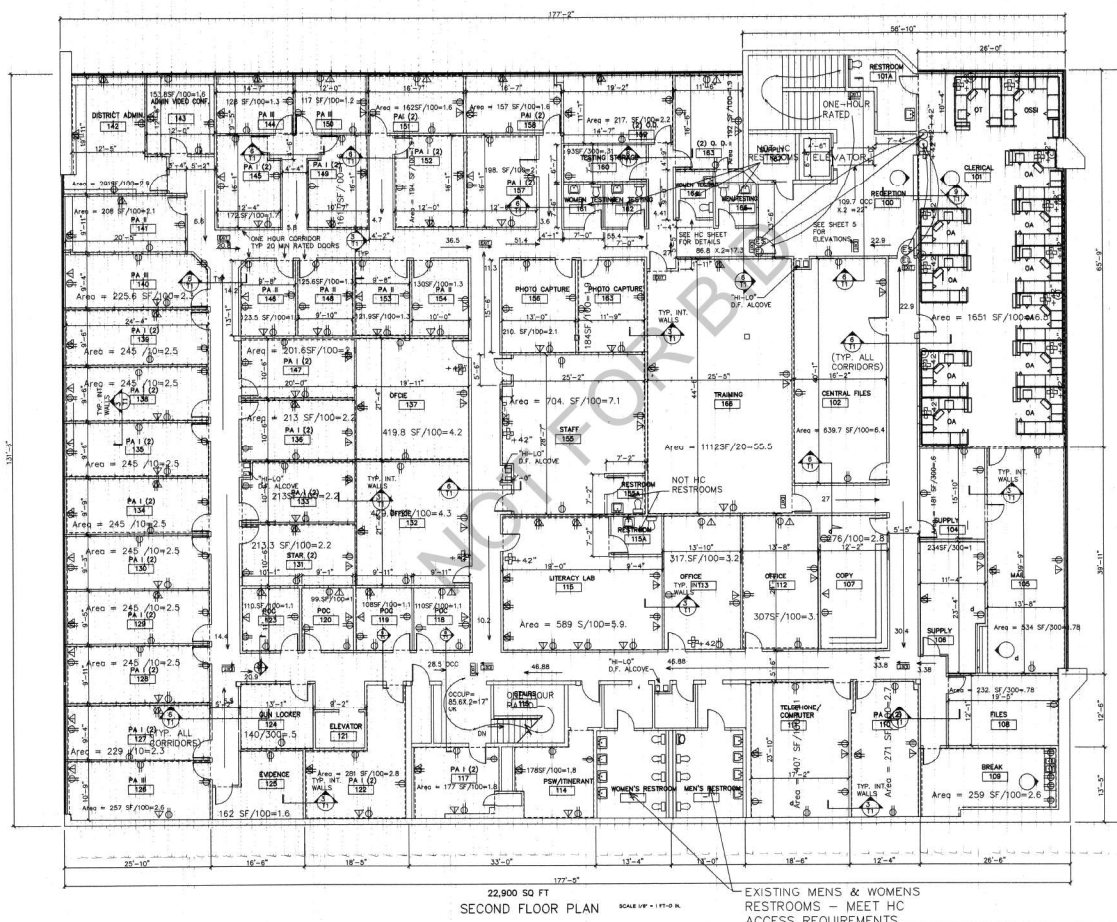


PETE VOLBEDA Architectural Firm
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PETE VOLBEDA Architecture Planning
227 W B ST., OAKLAND, CA 94612
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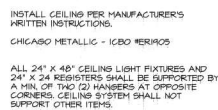
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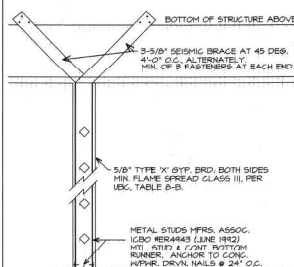
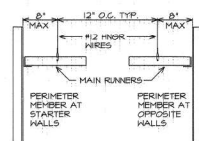
STATE OF CALIFORNIA CORRECTIONS DEPT REMODEL
303 W 5TH ST, SAN BERNARDINO

SHEET
OF

3



EXIT INDICATES ILLUMINATED EXIT SIGN
LOCATION COMPLYING WITH UBC (SEE NOTE
14. THIS IS ONLY REQUIRED WHEN SIZE
OF INDIVIDUAL SPACES IS 1500 SF OR MORE



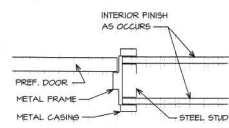
T-BAR CEILING SUSPENSION NOTES

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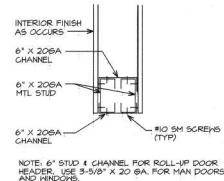
TENANT IMPROVEMENTS GENERAL NOTES AND REQUIREMENTS

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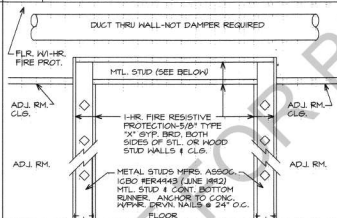
1 T-BAR CEILING DETAIL



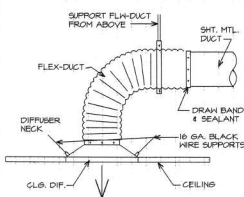
2 T-BAR CEILING SECTION



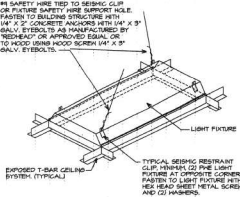
3	WALL AND BRACE DETAIL
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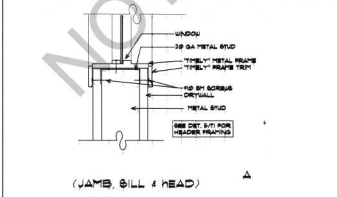
4	PREF. DOOR & JAME
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5	DOOR/WDO HDR. DET.
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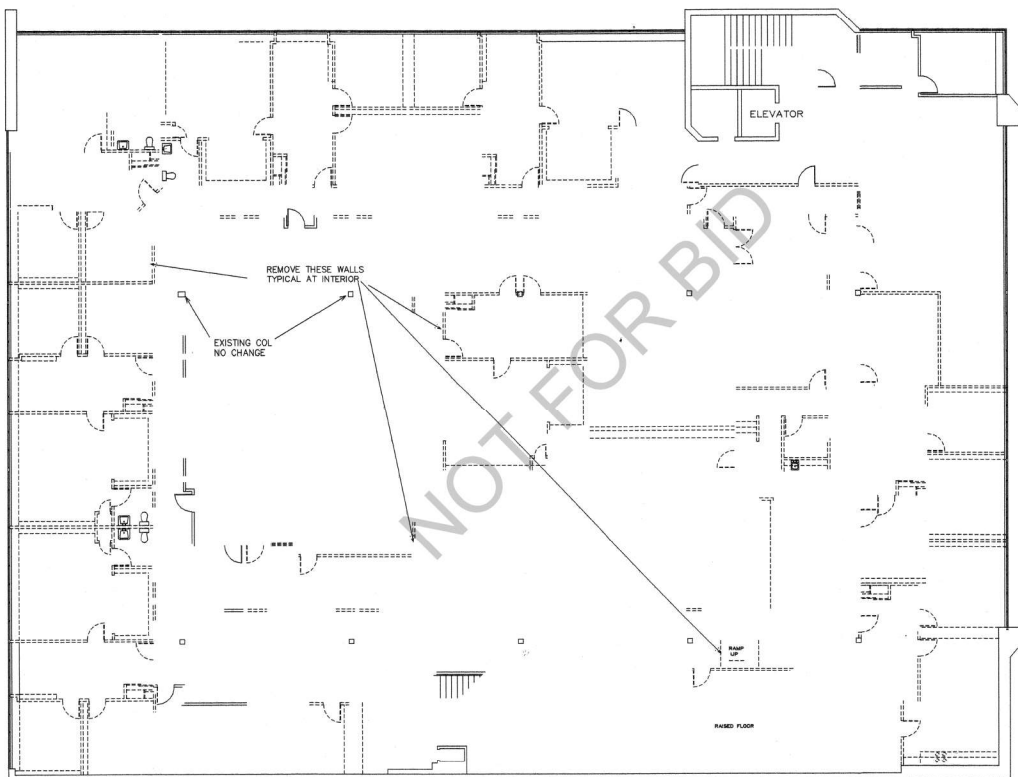
6 ONE-HOUR CORRIDOR



7	AIR DIST. HNGR. DET
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8	LAY-IN FIXTURE DET.
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9	WINDOW
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DEMOLITION PLAN
SECOND FLOOR PLAN SCALE 1/8" = 1'-0" N



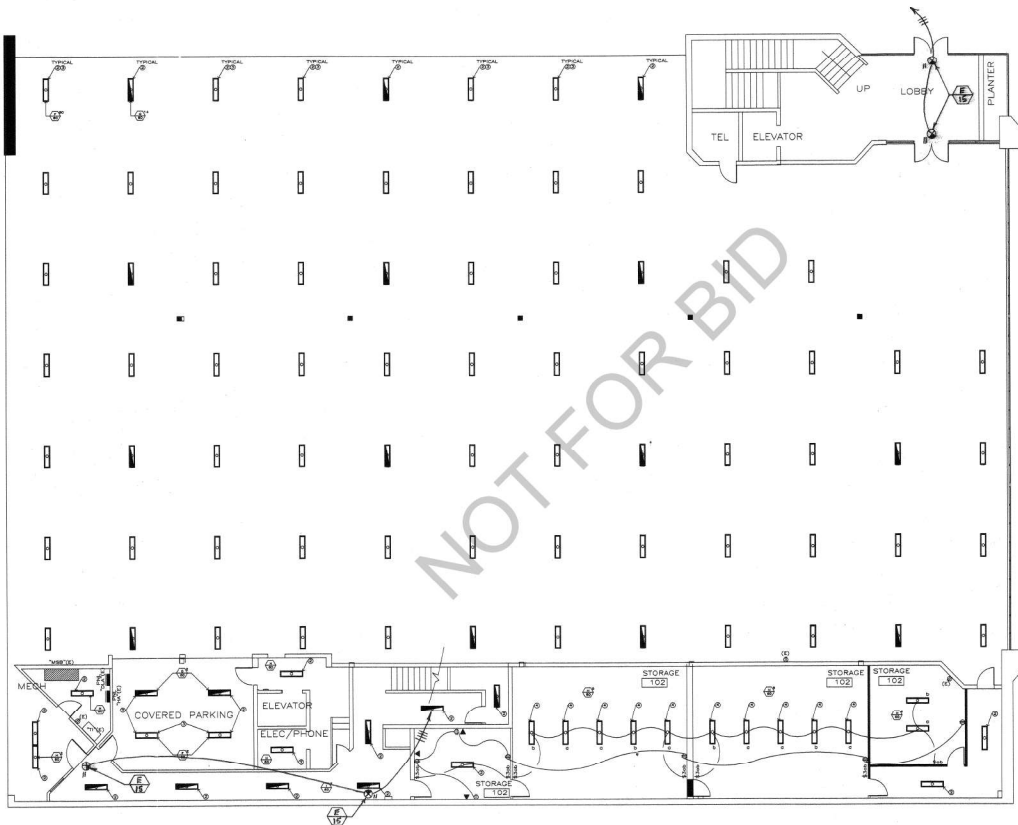
PETE VOLBEDA Architecture Planning

127 W B ST., ONTARIO, CA 91762
TEL 909 391 5868 FAX 909 391 5860

DATE	BY	REVISION
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	CHECKED	
	DATE	

STATE OF CALIFORNIA, CORRECTIONS DEPT. REMODEL	DATE
303 W 5TH ST. SAN BERNARDINO	DATE
PROJECT NO.	DATE
ARCHITECT	DATE
ENGINEER	DATE
DATE	DATE

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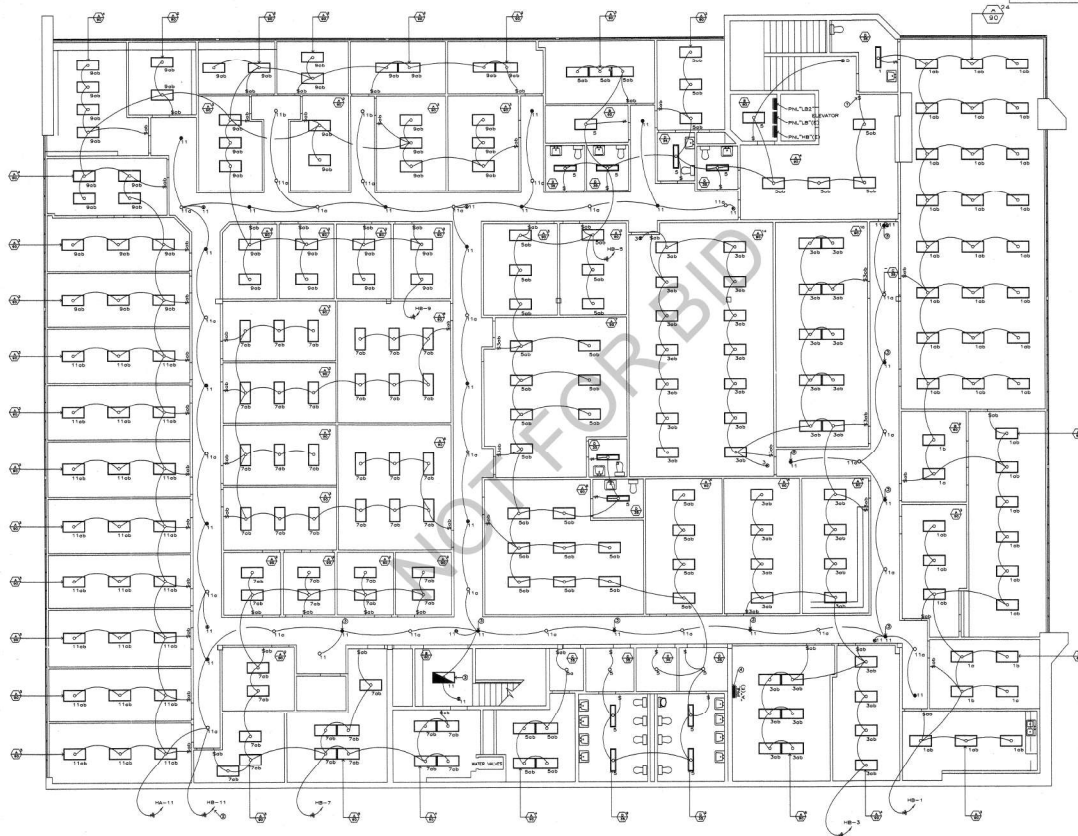


FIRST FLOOR POWER & LIGHTING
SCALE: 1/4" = 1'-0"

PLAN NOTES: (THIS SHEET ONLY)

- ① VERIFY LOCATION.
- ② FIXTURE TO BE REMOVED AND REPLACED BY NEW FIXTURES, SEE FIXTURE SYMBOL & LIGHTING FIXTURE SCHEDULE. CIRCUITRY TO REMAIN.
- ③ SWITCHING SHALL BE CONTROLLED BY PHOTOCELL/TIMING, TIMECLOCK.
- ④ FIXTURES TO BE POWERED BY EXISTING CIRCUITRY, INTALL BI-LEVEL SWITCHING AS INDICATED.

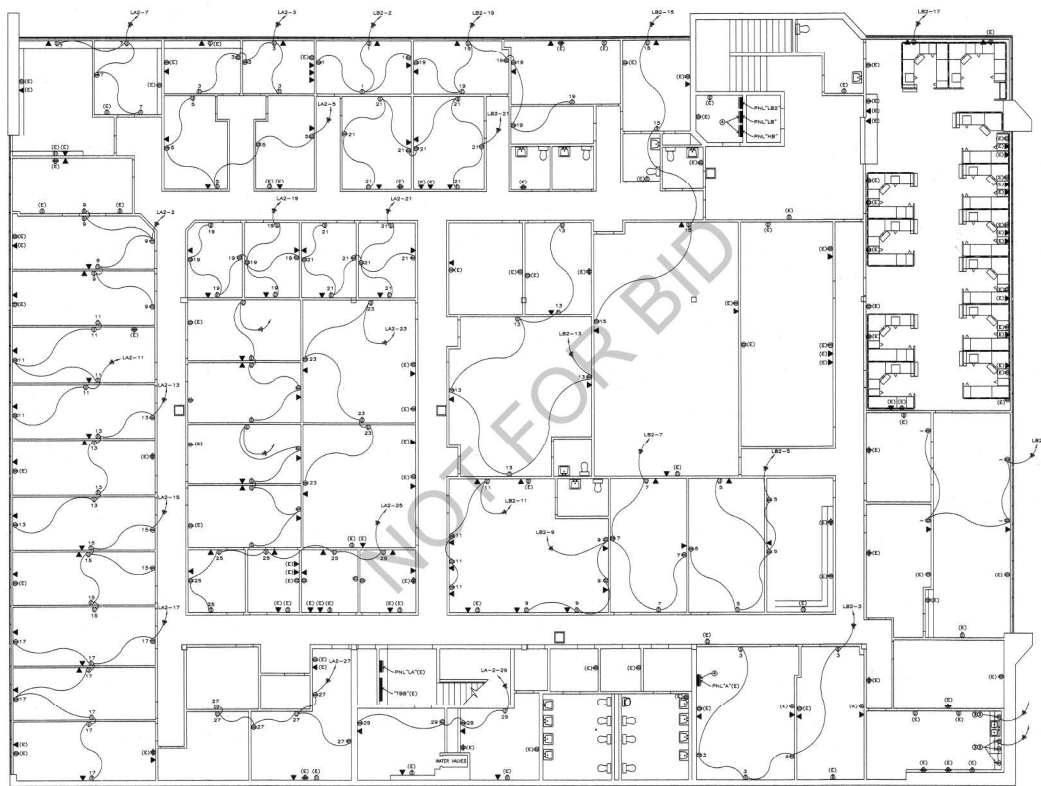
STATE OF CALIFORNIA CORRECTIONS DEPT REMODEL 303 W 5TH ST, SAN BERNARDINO		PETE VOLBEDA Architecture Planning 127 W B ST., ONTARIO, CA 91762 TEL 909 391 5888 FAX 909 391-5890	
SHEET 5	OF 5	DATE: 05/01/01 DRAWN BY: S.O. CHECKED BY: S.M. IN CHARGE: S.M. APPROVED: S.M. REVISION:	RIVERSIDE ENGINEERING GROUP 3600 LIME ST. RIVERSIDE, CA 92501 TEL 951 506-1796 E-MAIL: RIVERSIDEENGINEERING@ATTN.NET



- PLAN NOTES (THIS SHEET ONLY)
1. VERIFY LOCATION.
 2. SWITCHING TO BE CONTROLLED BY LIGHTING CONTRACTOR. MANUAL SWITCH LOCATED IN LOBBY AREA. EXACT LOCATION TO BE DETERMINED BY OWNER.
 3. ELECTRICAL CONTRACTOR SHALL PROVIDE INVERTER BACK FOR MINIMUM 90MIN. BATTERY BACKUP EMERGENCY ILLUMINATION.

SECOND FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

STATE OF CALIFORNIA CORRECTIONS DEPT REMODEL 303 W 5TH ST, SAN BERNARDINO		RIVERSIDE ENGINEERING GROUP 3400 LIME ST. RIVERSIDE, CA 92501 TEL: (951) 506-1790 E-MAIL: RIVERSIDEENGINEERING@ATTN.NET		DATE: 05/01/01 DESIGNED BY: S.O. CHECKED BY: J.M. APPROVED BY: J.M. REVISION:	DATE: 05/01/01 DESIGNED BY: S.O. CHECKED BY: J.M. APPROVED BY: J.M. REVISION:
SHEET 5 OF 3		PETE VOLBEDA Architecture Planning 127 W B ST., ONTARIO, CA 91762 TEL: 909 391 5888 FAX: 909 391 5890			



- PLAN NOTES: (THIS SHEET ONLY)
- ① VERIFY LOCATION.
 - ② GFCI PROTECTED.
 - ③ LOCATED +6" ABOVE COUNTER SPLASH.
 - ④ EXISTING ELECTRICAL PANEL TO REMAIN.

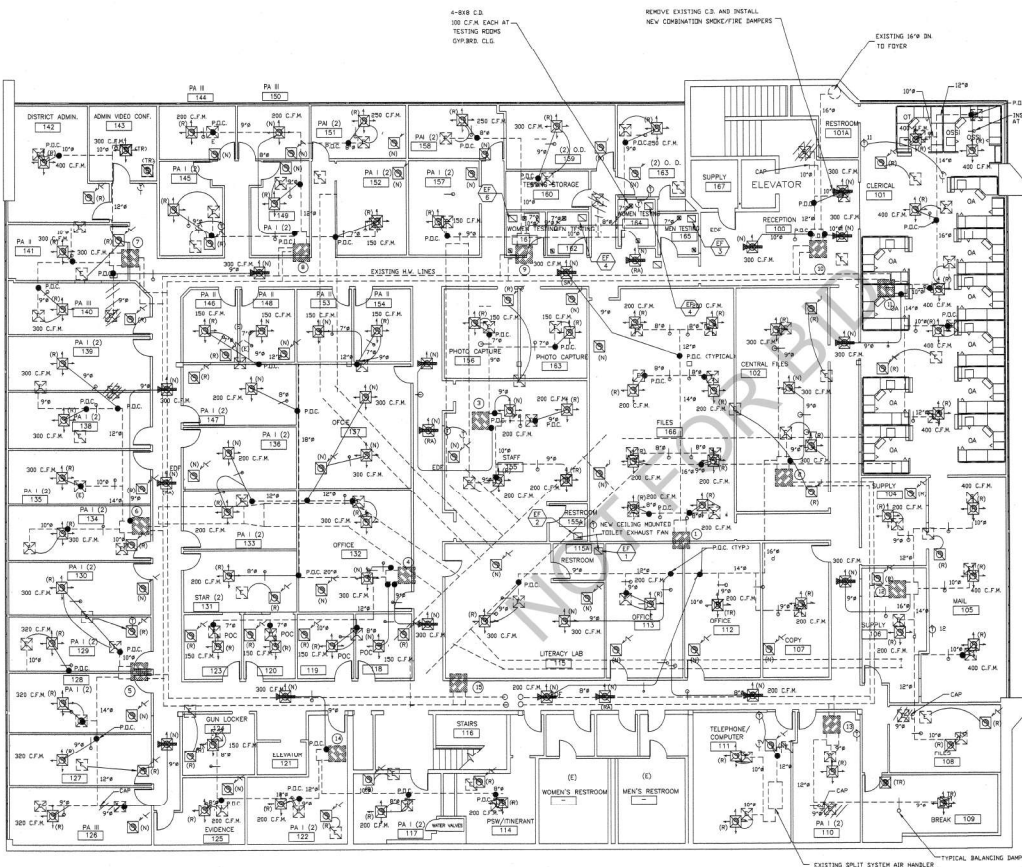
SECOND FLOOR POWER & SIGNAL PLAN
SCALE: 1/8" = 1'-0"

STATE OF CALIFORNIA CORRECTIONS DEPT. MODEL 303 W 5TH ST. SAN BERNARDINO		RIVERSIDE ENGINEERING GROUP 3000 LINDA ST. RIVERSIDE, CA 92506 TEL 951.509.1700 FAX 951.509.1790 WWW.RIVERSIDEENGINEERING.COM		PETE VOLBEDA Architecture Planning 127 W 3 ST., ONTARIO, CA 91762 TEL 909.391.5888 FAX 909.391.5890	
DATE	05/27/01	DATE	05/27/01	DATE	05/27/01
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APPROVED		APPROVED		APPROVED	
REVISION		REVISION		REVISION	
SHEET 5		SHEET 5		SHEET 5	
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LIGHTING COMPLIANCE SUMMARY										LTO-2	
Project Name: State of California Corrections Department								Date: 05/01/01			
TOTAL LIGHTING REQUIREMENTS											
Code	COMPLIANCE DESCRIPTION	Y	N	LAMP TYPE & LUMENS	MUTUAL LAMP	REPLACES TYPE	REPLACES QUANTITY	REPLACES WATTAGE	REPLACES TYPE	REPLACES QUANTITY	REPLACES WATTAGE
AMB.	2-2.4 Fluorescent Troffer	☐	☐	2	32	☐	☐	32	☐	☐	32
AMB.	2-2.4 Fluorescent Troffer	☐	☐	2	32	☐	☐	32	☐	☐	32
COB.	2-2.4 Fluorescent Compact	☐	☐	2	15	☐	☐	15	☐	☐	15
COB.	2-2.4 Fluorescent Troffer	☐	☐	1	32	☐	☐	32	☐	☐	32
IND.	2-2.4 Surface	☐	☐	2	32	☐	☐	32	☐	☐	32
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SECOND FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

V.A.V. AIR BALANCE SCHEDULE

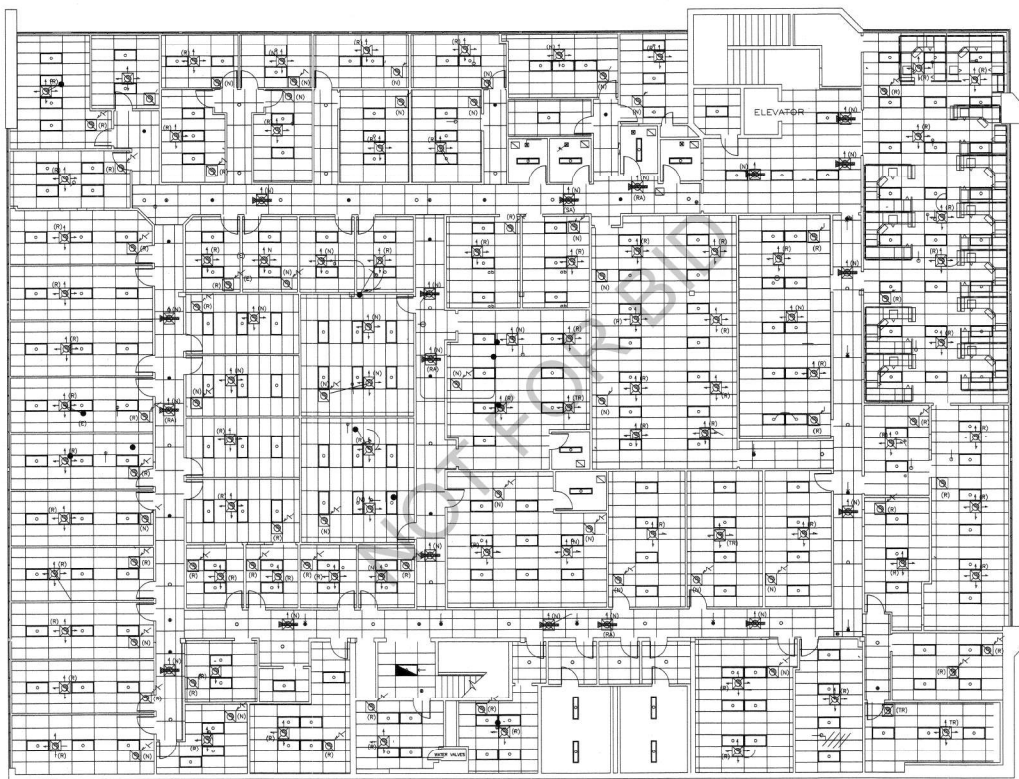
① 1,800 C.F.M.	⑧ 1,000 C.F.M.
② 2,100 C.F.M.	⑨ 3,000 C.F.M.
③ 1,400 C.F.M.	⑩ 2,800 C.F.M.
④ 3,200 C.F.M.	⑪ 600 C.F.M.
⑤ 1,800 C.F.M.	⑫ 300 C.F.M.
⑥ 800 C.F.M.	⑬ 2,500 C.F.M. FIRST FLOOR STORAGE
⑦ 1,800 C.F.M.	⑭ 1,200 C.F.M.

LEGEND

- EXISTING SUPPLY CEILING DIFFUSERS TO BE REMOVED OR RELOCATED AS SHOWN
- EXISTING RETURN AIR CEILING REGISTER TO BE REMOVED OR RELOCATED AS SHOWN
- EXISTING SUPPLY CEILING DIFFUSERS TO REMAIN IN PLACE
- RELOCATED SUPPLY CEILING DIFFUSERS
- RELOCATED RETURN AIR CEILING REGISTER
- NEW SUPPLY AIR CEILING DIFFUSER
- NEW RETURN AIR CEILING REGISTER
- SUPPLY AIR NEW COMBINATION SMOKE / FIRE CHAMBER ELECTRICAL TO 120 VOLT CIRCUIT
- RETURN AIR NEW COMBINATION SMOKE / FIRE CHAMBER ELECTRICAL TO 120 VOLT CIRCUIT
- EXISTING SUPPLY CEILING DIFFUSERS TO BE REMOVED AND CAP MAIN BRANCH
- P.O.C. POINT OF CONNECTION TO EXISTING MAIN OR BRANCH DUCTS
- EXISTING V.A.V. TERMINAL BOXES
- EXISTING DUCTWORK
- EXISTING SQUARE TO ROUND FITTING
- ROUND DUCT DOWN
- ROUND DUCT UP
- TURNING UNITS AT 90 DEGREES
- MANUAL VOLUME DAMPER AT BRANCH DUCT
- SMOKE DETECTOR
- THERMOSTAT RELOCATE AS SHOWN
- MANUAL VOLUME DAMPER
- BACKDRIFT DAMPER
- EXISTING HOTWATER SUPPLY AND RETURN PIPING

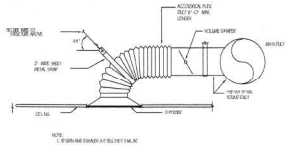
NEW THERMOSTAT MODEL VST-80 CEILING MOUNTED TOILET EXHAUST FANS, WIRE WITH LIGHTS, 7" x 10" UP TO ROOF CAPS 100 C.F.M. 120 V-1-80 100 WATTS

- AIR BALANCE ALL SUPPLY AND RETURN AIR REGISTERS TO VALUES SHOWN ON PLANS
- INSTALL BALANCING DAMPERS AT ALL BRANCH DUCTS
- LANDLORD TO SERVICE ALL EXISTING MECHANICAL EQUIPMENT FOR PROPER OPERATION



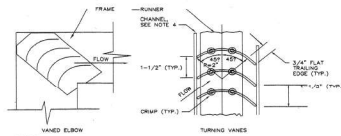
MECHANICAL REFLECTED CEILING
SCALE: 1/8" = 1'-0"

STATE OF CALIFORNIA CORRECTIONS DEPT REMODEL 503 W 5TH ST, SAN BERNARDINO		RIVERSIDE ENGINEERING GROUP 3600 17th St. Riverside, CA 92503 Tel: (951) 505-1799 E-mail: info@riversideengr.com		PETE VOLBERG Architecture Planning 127 W B ST., ONTARIO, CA 91762 TEL 909 391 5888 FAX 909 391-5890	
DESIGN DRAWN BY: BL CHECKED BY: BL DATE: 05/07/01	PAID CHECK APPROVED REVISION	DATE: 05/07/01	DATE: 05/07/01	DATE: 05/07/01	DATE: 05/07/01
SHEET 5		M-3			



CEILING DIFFUSER DETAIL

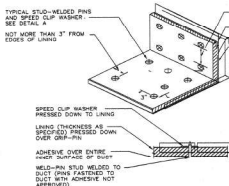
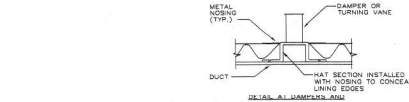
SCALE: NONE



- NOTES:
1. MAXIMUM UNSUPPORTED VANE LENGTH 36"
 2. VANES AND FRAMES - 24 GAUGE
 3. DUCT INLET AND OUTLET DIMENSIONS TO BE EQUAL
 4. FOR HIGH VELOCITY APPLICATIONS PROVIDE 18 GAUGE CHANNEL AND TACK WELD VANE EDGES TO CHANNEL. TYPICAL BOTH ENDS
 5. FRAMES AND CHANNELS - BOLTED OR TACK WELDED TO ELBOW

SINGLE-THICKNESS TURNING VANES FOR SQUARE ELBOW

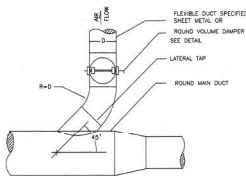
SCALE: NONE



- NOTES:
1. FOR NOSING AT CHAMBERS, 1. CURVED CHAMBER, ACCESS DOORS AND EQ. PANELS, SEE ACCESS DOOR NOSING DETAIL.
 2. LINING EDGES AT TRANSVERSE AND LONGITUDINAL JOINTS SHALL BE COATED AS SPECIFIED.
 3. EXPOSED EXTERIOR AND ACCESS DOOR DETAIL, SEE ACOUSTIC LINING NOSING DETAIL.
 4. NOT LESS THAN TWO PINS ON EACH FACE OF DUCT.

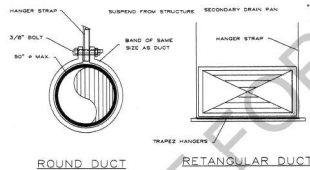
ACOUSTIC LINING NOSING DETAIL

SCALE: NONE



CIRCULAR DUCT LATERAL TAP

SCALE: NONE

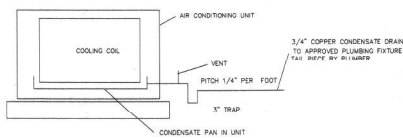


ROUND DUCT RECTANGULAR DUCT

HANGER SIZES FOR ROUND DUCT				
DUCT DIAMETER	ROUND HANGERS	STRAP HANGERS	MAXIMUM SPACING	NO. HANGERS
UP THRU 18"	8 GAUGE WIRE	1"x16" GAUGE	10'-0"	1
19 THRU 36"	8 GAUGE WIRE	1"x12" GAUGE	10'-0"	1
37" THRU 50"	8 GAUGE WIRE	2"x16" GAUGE	10'-0"	1
51" THRU 54"	8 GAUGE WIRE	2"x16" GAUGE	10'-0"	2
HANGER SIZES FOR RECTANGULAR DUCT				
LONGEST DIMEN. OF DUCT	ROUND HANGERS	STRAP HANGERS	TRAPEZ. SHELF ANGLES	MAXIMUM SPACING
UP THRU 18"	8 GAUGE WIRE	1"x16" GAUGE	1"x1"x1/8"	10'-0"
19" THRU 30"	8 GAUGE WIRE	1"x16" GAUGE	1"x1"x1/8"	10'-0"
31" THRU 42"	1/4" ROD	1"x16" GAUGE	1-1/2"x1-1/2"x1/8"	10'-0"
43" THRU 60"	3/8" ROD	1"x16" GAUGE	1-1/2"x1-1/2"x1/8"	10'-0"
61" THRU 84"	3/8" ROD	1-1/2" x 16	2"x2"x1/8"	8'-0"
85" THRU 96"	3/8" ROD	1-1/2"x16	2"x2"x1/8"	8'-0"
OVER 97"	3/8" ROD	1-1/2"x16	2"x2"x1/8"	8'-0"

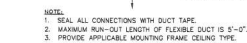
DUCT HANGER DETAILS

SCALE: NONE



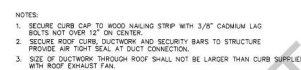
CONDENSATE DRAIN DETAIL

SCALE: NONE

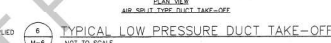
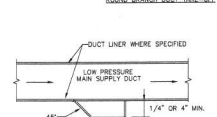


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M-5

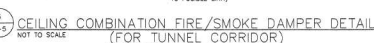
TYPICAL FLEXIBLE DUCT DIFFUSER DETAIL
NOT TO SCALE



5 TYPICAL EXHAUST OUTLET DETAIL



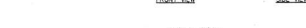
NOT TO SCALE



10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.



SOIN COLLAR FLEXIBLE
DUCT CONNECTION WITH DAMPER
NOT TO SCALE



NOTES:

1. ALL SQUARE OR RECTANGULAR ELBOWS SHALL HAVE ONE OF THE TWO TYPES OF TURNING VANES SHOWN ABOVE. SINGLE VANE ELBOWS WILL NOT BE PERMITTED.
2. VANES SHALL CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.
3. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR EXHAUST OR RETURN DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS.
4. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR SUPPLY DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS. RADIUS MUST BE NOTED AND 7' OR THERE IN; AN OUTLET OR TAKE-OFF WITHIN 80" ON THE DOWNSTREAM SIDE OF THE ELBOW.

TYPICAL SQUARE OR RECTANGULAR ELBOWS DETAILS

10 CEILING FIRE DAMPER DETAIL

