

SHEET NOTES

1. DEMO (E) FLOOR SINK AND (E) TRAP PRIMER. PROVIDE NEW FLOOR CLEANOUT, CAP (E) CW AND (E) VENT ABOVE CEILING CLOSE TO MAIN.
2. DEMO AND CAP (E) RW WATER ABOVE CEILING CLOSE TO MAIN.
3. DEMO (E) PANTRY SINK, CAP (E) WASTE LINE AT THE WALL. CAP (E) CW AND (E) VENT LINE ABOVE CEILING CLOSE TO MAIN. RE-ROUTE (E) CONDENSATE DRAIN FROM (E) AC UNIT TO TRAP-UP AT NEW PANTRY SINK.
4. DEMO (E) PANTRY SINK, RECONNECT (E) CW AND (E) HW TO (N) PANTRY SINK AT NEW LOCATION.
5. POINT OF CONNECTIONS FOR PLUMBING SERVICES.
 - 5.1. 2" VENT TO (E) VENT LINE ABOVE DROP CEILING ON 1ST FLOOR.
 - 5.2. 2" WASTE TO (E) BELOW GRADE WASTE LINE.

GENERAL NOTES

1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7488
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/21/12	-	-
PLAN CHECK			
1	08/13/12	-	-
ISSUE FOR CONSTRUCTION			
2	09/12/12	-	-
BULLETIN 1			
3	10/09/12	-	-
BULLETIN 2			
4	10/23/12	-	-
REVISED FOR PLAN CHECK			
5	11/19/12	-	-
BULLETIN 3			
6	02/21/13	-	-
BULLETIN 4			

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\P-101-VZCOX000.dwg

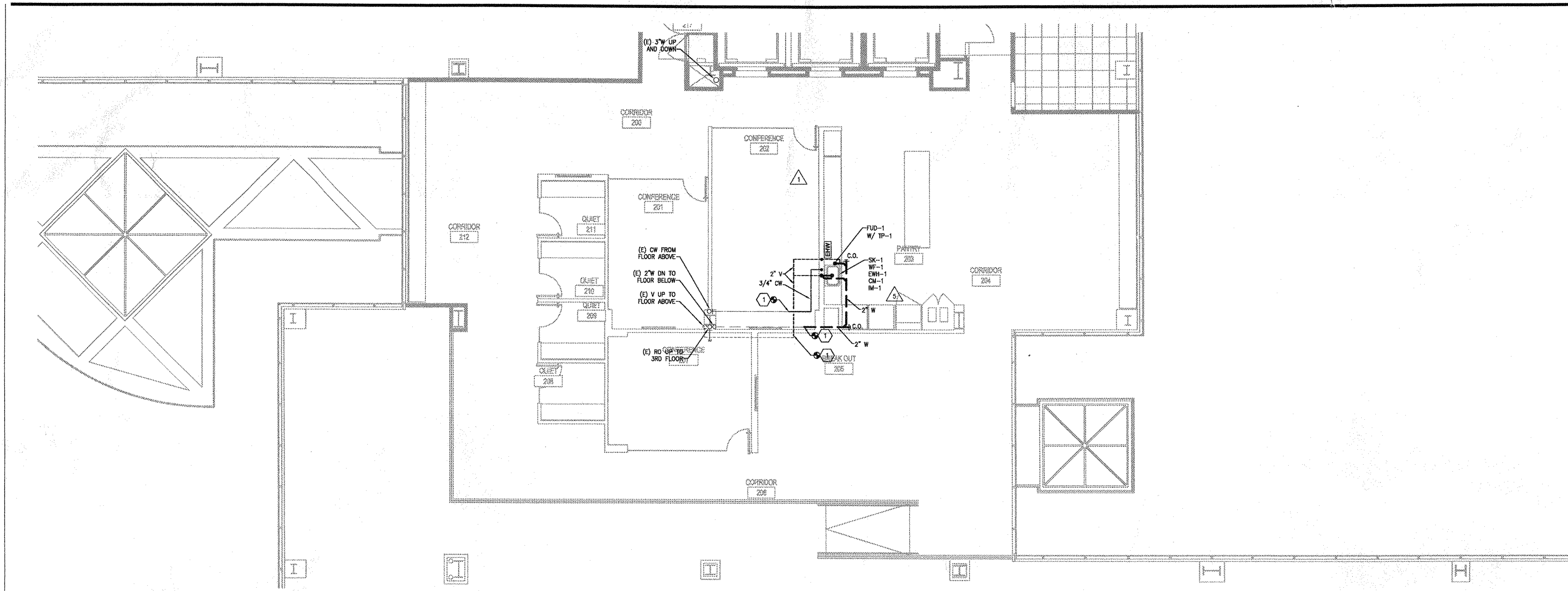
Description
PARTIAL FIRST FLOOR PLUMBING PLAN

Scale
3/16" = 1'-0"

P-101

©2013 Gensler

PARTIAL FIRST FLOOR PLUMBING PLAN



SHEET NOTES

1. POINT OF CONNECTIONS FOR PLUMBING SERVICES.
 - 1.1. 3/4" CW TO (E) CW LINE ABOVE DROP CEILING ON 2ND FLOOR.
 - 1.2. 2" VENT TO (E) VENT LINE ABOVE DROP CEILING ON 2ND FLOOR.
 - 1.3. 2" WASTE TO (E) WASTE LINE ABOVE HANGUL CEILING ON 1ST FLOOR.
2. DEMO (E) CW, WASTE AND VENT LINE FROM POINT OF DISCONNECT. PREP PIPING FOR NEW CONNECTION. FIELD VERIFY EXACT LOCATION OF PIPING.
3. VALVED CAP (E) RO WATER ABOVE CEILING.



1800 Solar Drive
Oxnard, CA 93030



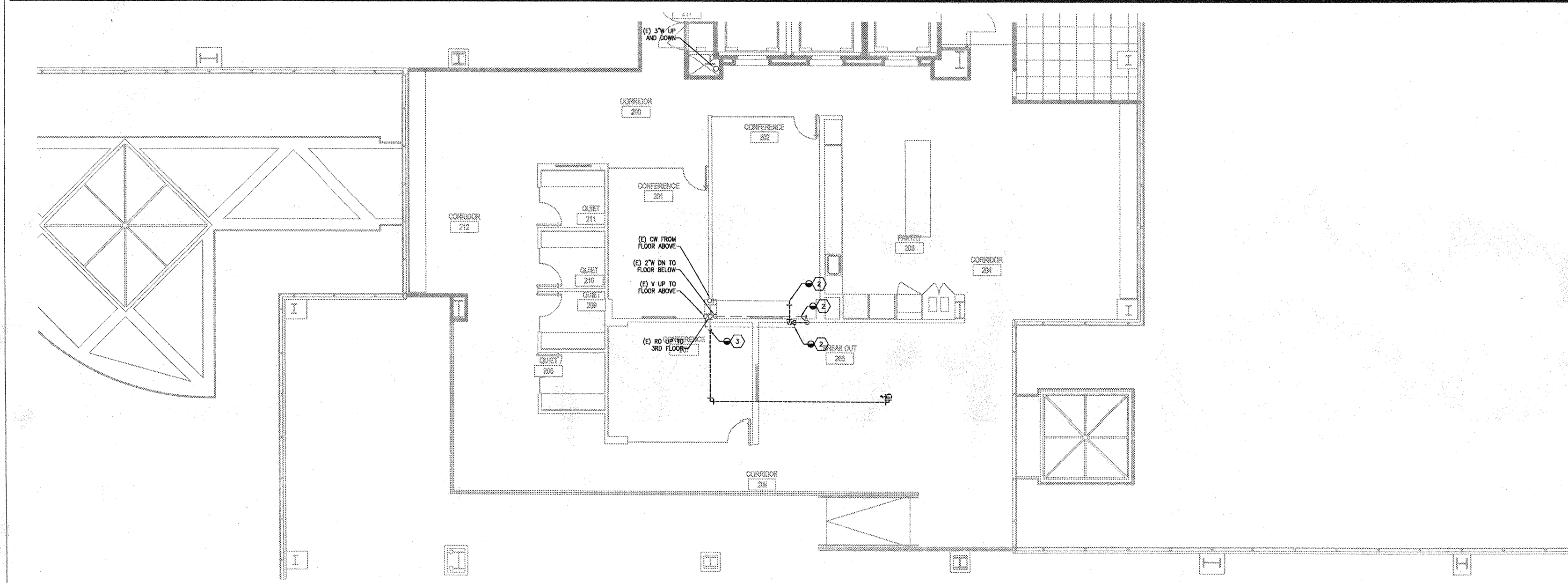
1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile: 212.492.1472



A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Oxnard, CA 93030
Tel: 310.312.0200
Fax: 310.473.7469
www.syska.com

PARTIAL SECOND FLOOR PLUMBING PLAN

1



PARTIAL SECOND FLOOR PLUMBING DEMOLITION PLAN

2

GENERAL NOTES

1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
2. CONTRACTOR TO REPAIR FIREPROOFING AROUND COLUMNS IF DAMAGE OCCURS DURING DEMOLITION.

Issue	Date	Issue Description	By	Check
01	07/31/12	PLAN CHECK	-	-
1	08/10/12	ISSUE FOR CONSTRUCTION	-	-
2	09/12/12	BULLETIN 1	-	-
3	10/09/12	BULLETIN 2	-	-
4	10/23/12	REVISED FOR PLAN CHECK	-	-
5	11/19/12	BULLETIN 3	-	-
6	02/21/13	BULLETIN 4	-	-

Detail Signature _____

Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAD\CFVZCOX000\Drawings\Sheets\P-102-VZCOX000.dwg
Description
PARTIAL SECOND FLOOR PLUMBING PLANS

Scale
3/16" = 1'-0"

P-102



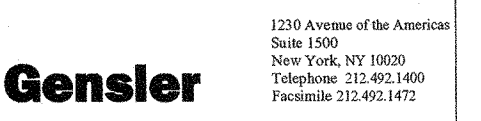
©2013 Gensler

SHEET NOTES

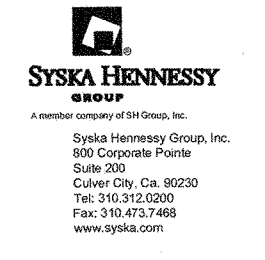
1. POINT OF CONNECTIONS FOR PLUMBING SERVICES.
- 1.1. 3/4" CW TO (E) CW LINE ABOVE DROP CEILING ON 2ND FLOOR.
- 1.2. 2" VENT TO (E) VENT LINE ABOVE DROP CEILING ON 2ND FLOOR.
- 1.3. 2" WASTE TO (E) WASTE LINE ABOVE HARDWOOD CEILING ON 1ST FLOOR.
2. DEMO (E) CW, WASTE AND VENT LINE FROM POINT OF DISCONNECT. PREP PIPING FOR NEW CONNECTION. FIELD VERIFY EXACT LOCATION OF PIPING.
3. VALVED CAP (E) RD WATER ABOVE CEILING.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
850 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/24/12	-	-
PLAN CHECK			
1	08/12/12	-	-
ISSUE FOR CONSTRUCTION			
2	09/12/12	-	-
BULLETIN 1			
3	10/09/12	-	-
BULLETIN 2			
4	10/22/12	-	-
REVISED FOR PLAN CHECK			
5	11/19/12	-	-
BULLETIN 3			
6	02/21/13	-	-
BULLETIN 4			

GENERAL NOTES

1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
2. CONTRACTOR TO REPAIR FIREPROOFING AROUND COLUMNS IF DAMAGE OCCURS DURING DEMOLITION.

Responsible Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

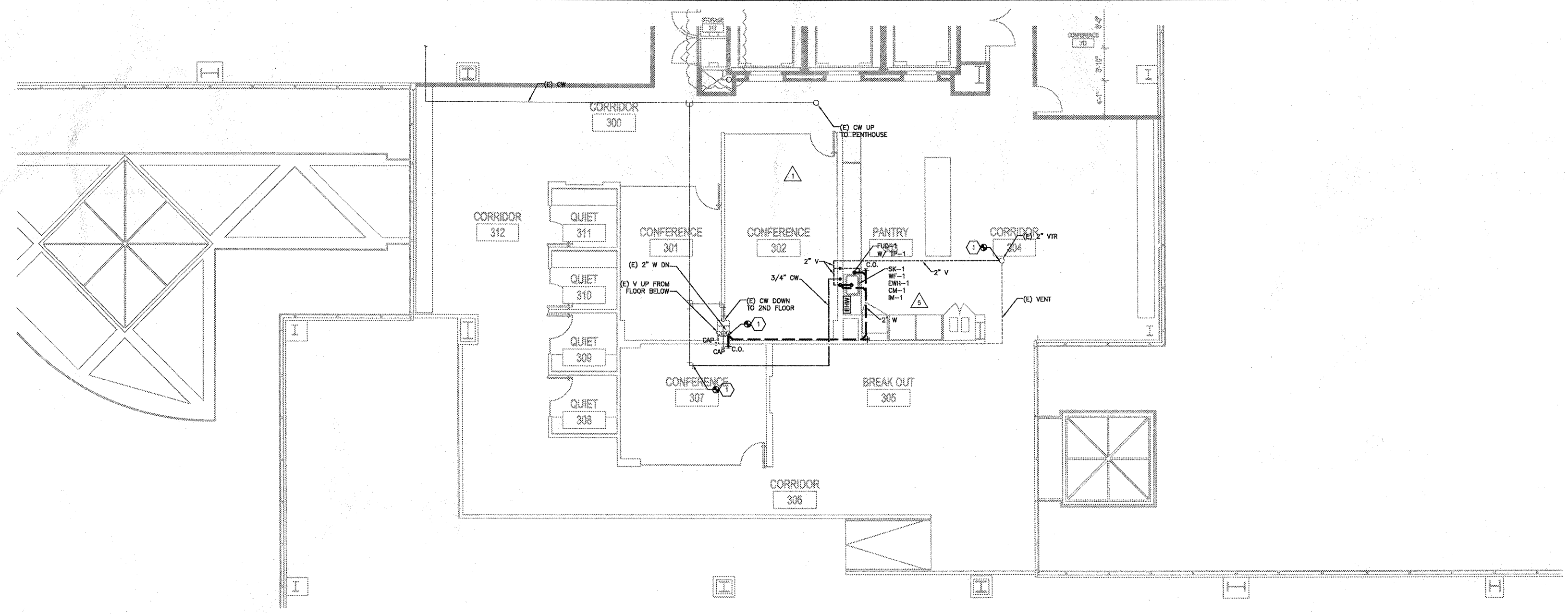
CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\P-103-VZCOX000.dwg

Description
PARTIAL THIRD FLOOR PLUMBING PLANS

Scale
3/16" = 1'-0"

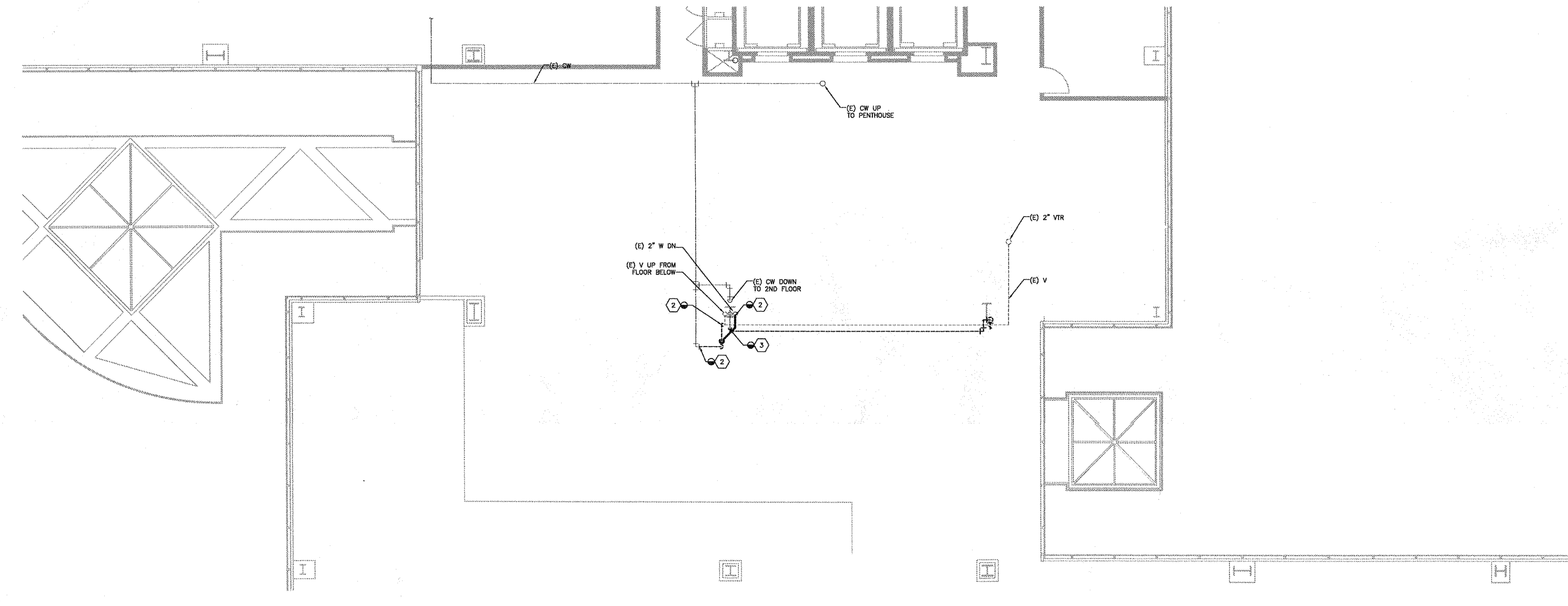
P-103

©2013 Gensler



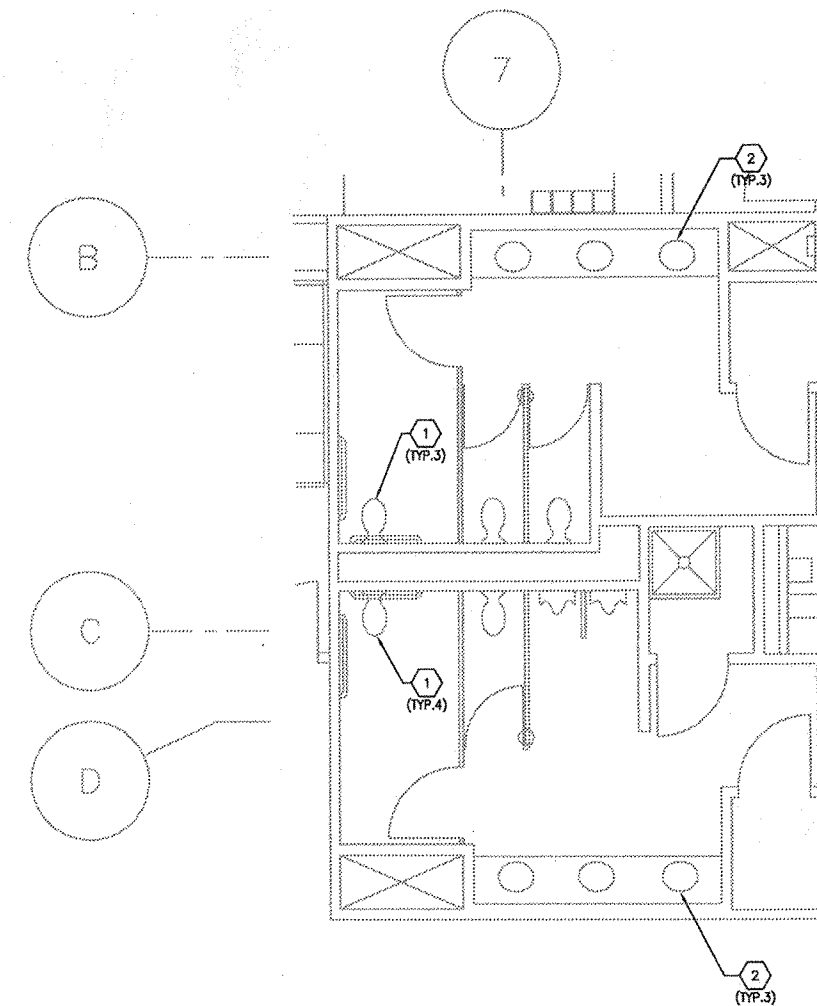
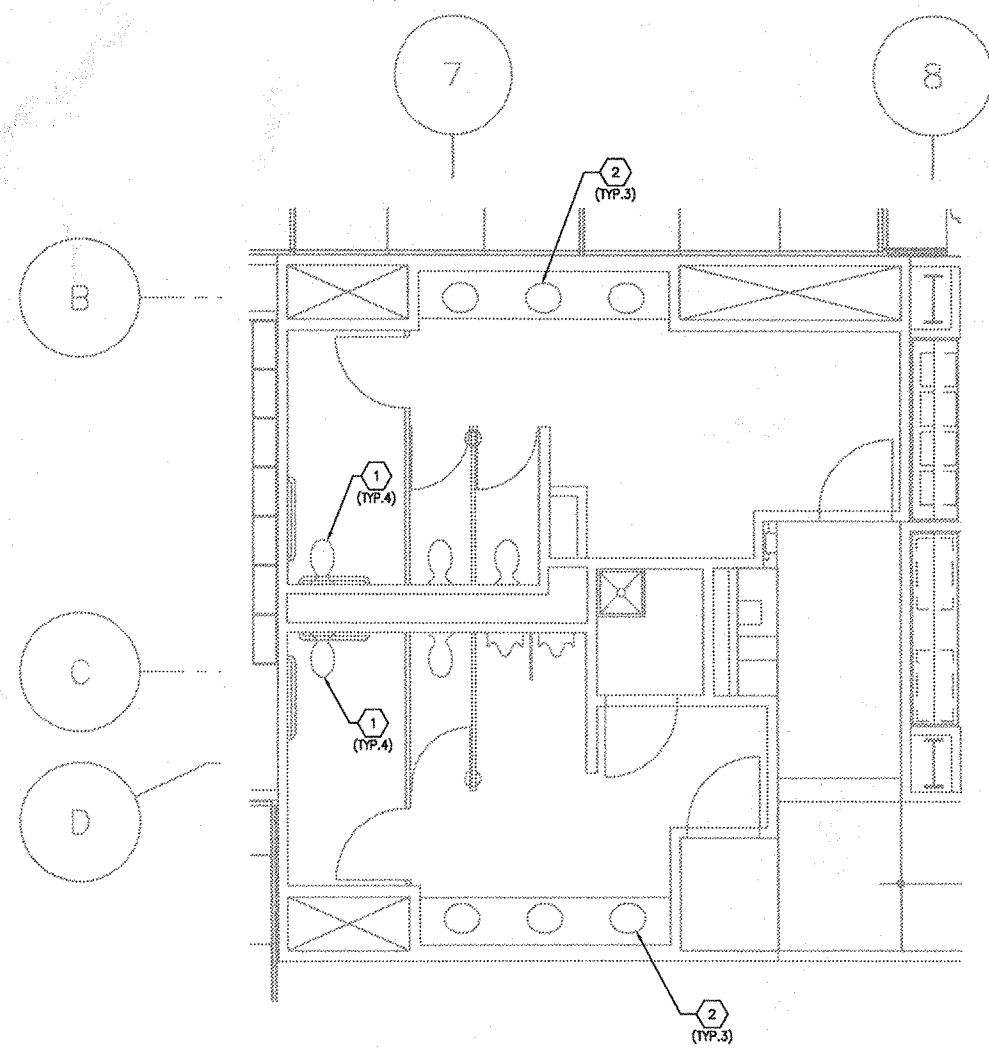
PARTIAL THIRD FLOOR PLUMBING PLAN

1



PARTIAL THIRD FLOOR PLUMBING DEMOLITION PLAN

2

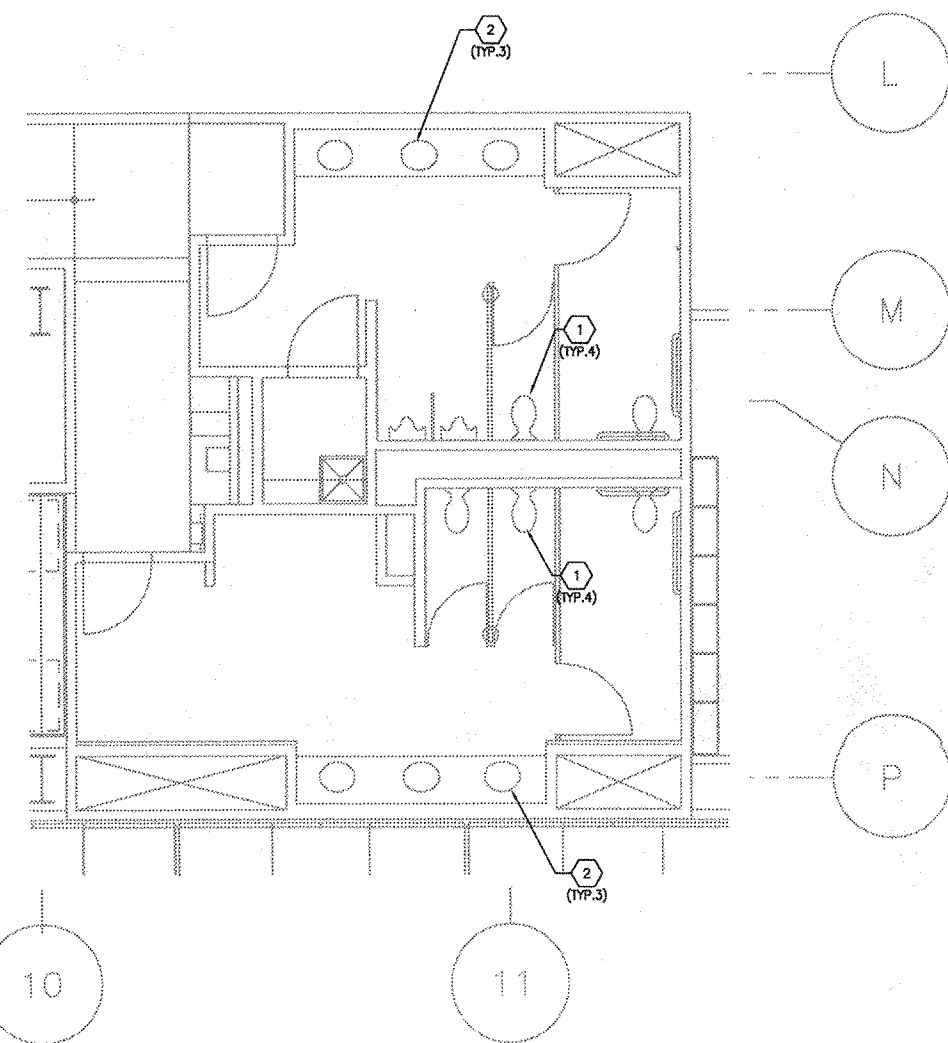


2ND & 3RD FLOOR NORTH RESTROOM ENLARGED PLUMBING PLAN

3

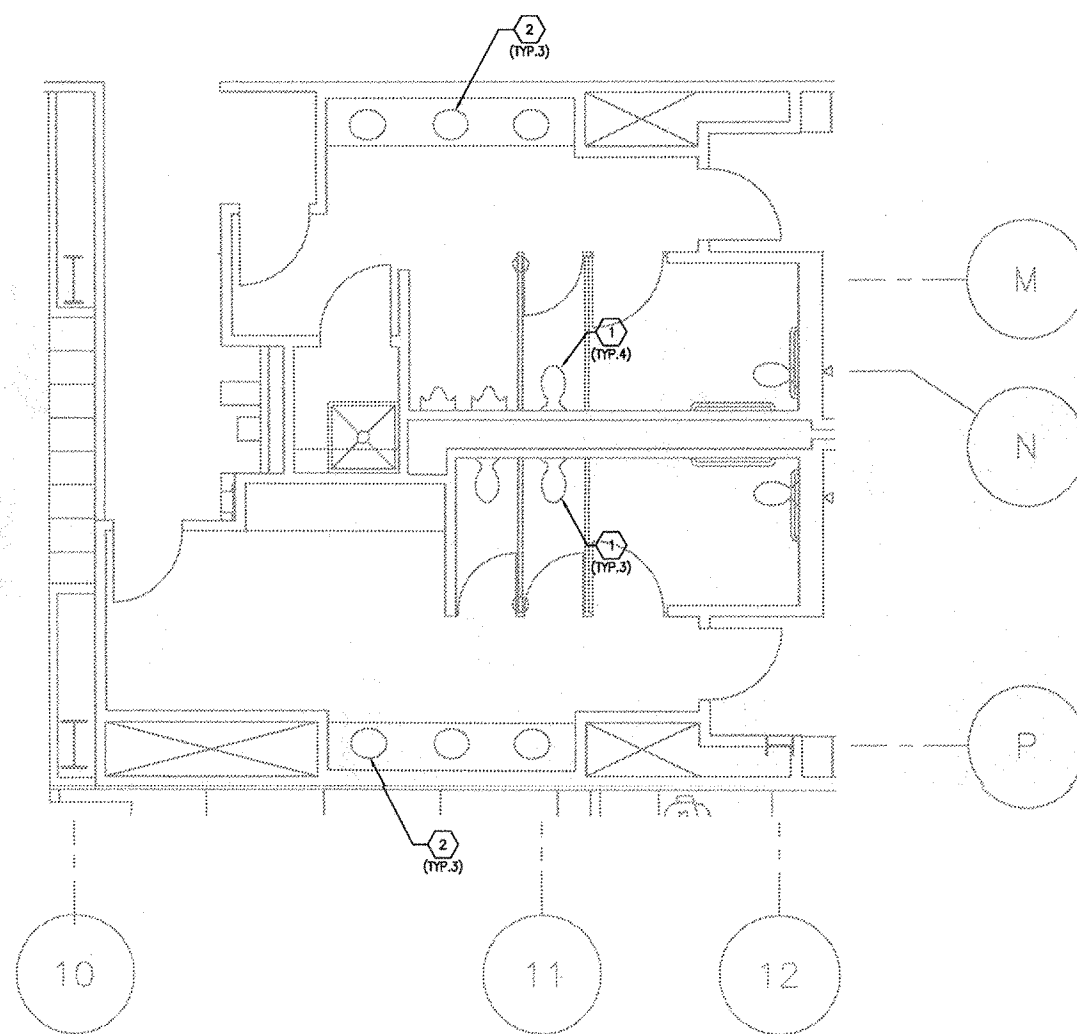
1ST FLOOR NORTH RESTROOM ENLARGED PLUMBING PLAN

1



2ND & 3RD FLOOR SOUTH RESTROOM ENLARGED PLUMBING PLAN

4



1ST FLOOR SOUTH RESTROOM ENLARGED PLUMBING PLAN

2

SHEET NOTES

- (E) WATER CLOSET/(E) URINAL TO REMAIN.
- REPLACE (E) LAV WITH (N) LAV, L-1, RECONNECT (E) WASTE LINE TO (N) LAV AND RECONNECT (E) CW AND (E) HW TO (N) FACET.



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler



A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.413.2468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/13/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

GENERAL NOTES

- WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.

RealtSignature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAD\CF\VZCOX000\Drawings\Sheets\P-401-VZCOX000.dwg

Description
RESTROOMS ENLARGED PLAN

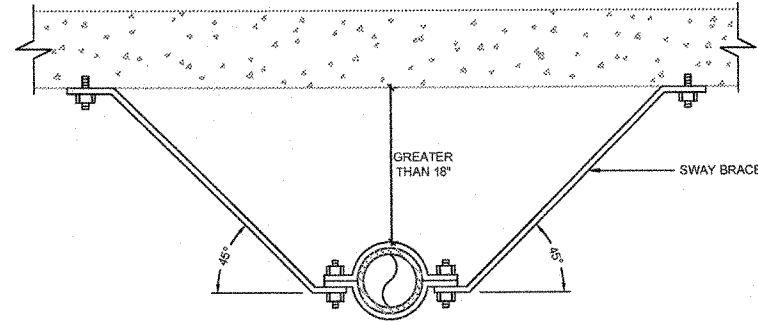
Scale
1/4" = 1'-0"

P-401



©2013 Gensler

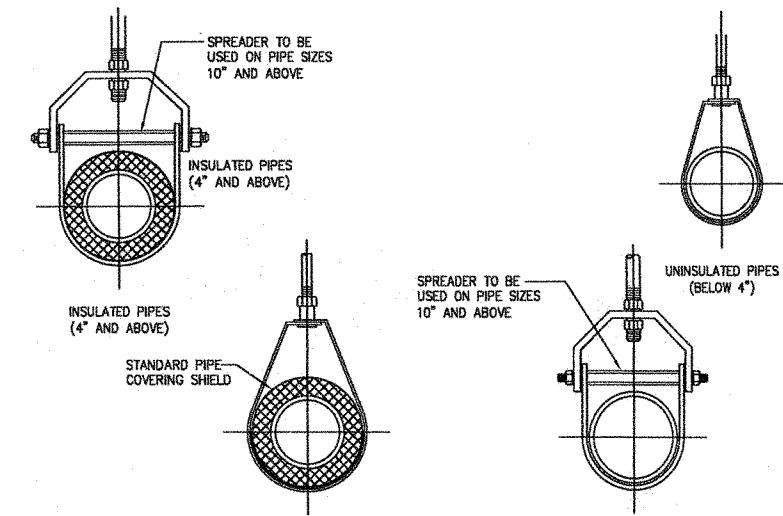
The corner lot marks represent the 30'x40' plot area.



WHEN HUBLESS PIPING IS SUSPENDED IN EXCESS OF 18" BELOW STRUCTURE, SWAY BRACING SHALL BE PROVIDED TO PREVENT HORIZONTAL MOVEMENT. LOCATE BRACE EVERY 30 FT. ON STRAIGHT RUNS WITH AT LEAST ONE BRACE ON OFFSETS IN EXCESS OF 10 FEET. SUBMIT DETAILS IF VARIATION IS REQUIRED.

HUBLESS PIPE SWAY BRACING FOR HORIZONTAL PIPING

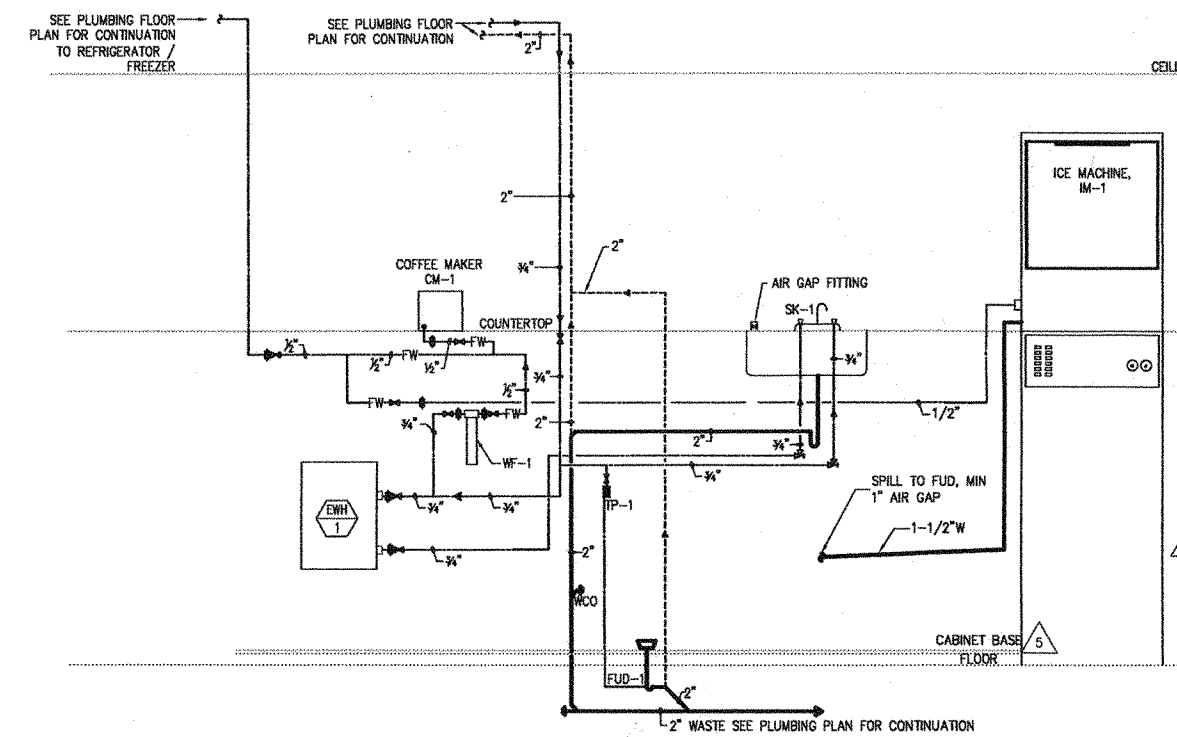
3 SCALE: NONE



NOTES:
1. FOR UPPER ATTACHMENT TO BUILDING, SEE CURRENT SMACNA HVAC DUCT CONSTRUCTION STANDARDS FIG 5-1 AND FIG 5-2 WITH SPECIFIC BUILDING STRUCTURAL ENGINEER APPROVAL.

PIPE HANGER SUPPORT

1 SCALE: NONE



NOTE:
1. DETAIL IS DIAGRAMATIC ONLY. REFER TO ARCHITECTURAL FOR EXACT FIXTURE LOCATION.
2. PRIOR TO PROCEEDING WITH THE WORK, PROVIDE SHUT-OFF VALVES ON ALL COPPER LINES CONNECTING TO PLUMBING EQUIPMENT AND/OR APPLIANCES.

PANTRY SCHEMATIC DETAIL

2 SCALE: NONE



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler



SYSKA HENNESSY GROUP

A member company of SHI Group, Inc.
Syska Hennessy Group, Inc.
850 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	08/12/12		
	BULLETIN 1		
3	10/08/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Best Signature _____

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\IP-501-VZCOX000.dwg

Description
PLUMBING DETAILS

Scale
NONE

P-501



True North
Not North

©2013 Gensler

SPECIFICATIONS

DIVISION NO. 23 SECTION 23000 MECHANICAL SPECIFICATION

PART 1 GENERAL

1.01 GENERAL PROVISIONS

A. GENERAL REQUIREMENTS

1. RELATED DOCUMENTS: ARCHITECTURAL SPECIFICATIONS, APPLIANCE AND FITTURE SPECIFICATION PACKAGE, GENERAL, SPECIAL AND SUPPLEMENTARY CONDITIONS, SHALL FORM A PART OF THESE SPECIFICATIONS.

2. SCOPE OF WORK: PROVIDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT AND CONTRACTOR'S SERVICES NECESSARY FOR COMPLETE AND SAFE INSTALLATION OF HEATING, VENTILATING, AIR CONDITIONING (HVAC) WORK IN CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES WHO HAVE JURISDICTION, AS INDICATED ON DRAWINGS AND/OR HERE AS SPECIFIED OR DESCRIBED.

3. SITE CLEANLINESS: KEEP SITE FREE FROM THIS SECTION'S SURPLUS MATERIAL, TOOLS AND RUBBER AT ALL TIMES DURING CONSTRUCTION PERIODS AND, UPON COMPLETION, LEAVE SITE IN CLEAN CONDITION.

4. SITE SECURITY: PROTECT THIS SECTION'S MATERIALS AND EQUIPMENT FROM ALL DAMAGE DUE TO FIRE, THEFT, VANDALISM, WEATHER, ETC.

5. DAMAGE TO OTHER WORK: REPAIR ANY DAMAGED PREEXISTING CAUSED BY THIS SECTION TO INTEGRITY OF ORIGINAL CONSTRUCTION.

6. DAMAGE TO PREEXISTING: REPAIR ANY DAMAGED PREEXISTING CAUSED BY THIS SECTION TO INTEGRITY OF ORIGINAL CONSTRUCTION.

7. SITE SAFETY: CONTRACTOR COVENANTS AND AGREES THAT HE AND HIS EMPLOYEES WILL PROTECT AND MAINTAIN A SAFE PLACE TO WORK AND THAT HE AND THEY WILL COMPLY WITH ALL LAWS AND REGULATIONS OF ANY GOVERNMENTAL AUTHORITY HAVING JURISDICTION THEREOF, AND CONTRACTOR AGREES TO INDEMNIFY, DEFEND AND HOLD HARMLESS ENGINEER, OWNER AND ARCHITECT FROM AND AGAINST ANY LIABILITY, LOSS, DAMAGE OR EXPENSE, INCLUDING ATTORNEY'S FEES, ARISING FROM A FAILURE OR ALLEGED FAILURE ON THE PART OF CONTRACTOR, HIS SUBCONTRACTORS AND HIS EMPLOYEES TO PROTECT AND MAINTAIN A SAFE PLACE TO WORK OR TO COMPLY WITH ALL LAWS AND REGULATIONS OF ANY GOVERNMENTAL AUTHORITY HAVING JURISDICTION THEREOF.

8. VERIFICATION OF EXISTING: BEFORE SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AND OF THE STRUCTURE TO WHICH CONNECTIONS MUST BE MADE OR WHICH MUST BE CHANGED OR ALTERED. THE INVENT OF THE WORK AND CONSTRUCTION METHOD AND MATERIALS, PHYSICAL CONDITIONS, REQUIREMENTS, AND PRACTICES AT THE SITE.

9. REQUIREMENTS OF OTHER SECTIONS: CAREFULLY CHECK THE DOCUMENTS OF OTHER SECTIONS TO ASCERTAIN THE REQUIREMENTS OF ANY INTERFERING MATERIALS OR EQUIPMENT BEING FURNISHED AND/OR INSTALLED BY THAT SECTION WHICH RELATE TO THIS SECTION, AND PROVIDE THE PROPER INSTALLATION AND/OR CONNECTION.

10. INFORMATION TRANSFER: TRANSMIT ALL INFORMATION REQUIRED FOR WORK BEING PERFORMED BY OTHER SECTIONS IN ARIPEL TIME FOR THE PROPER INSTALLATION AND CONNECTION AND FOR THE PROVISION OF ALL OPENINGS REQUIRED IN WALLS AND FLOORS.

11. HOLES AND STRUCTURES: FIELD DRILLING AND CUTTING OF HOLES IN BUILDING STRUCTURE REQUIRED FOR WORK UNDER THIS SECTION SHALL BE COORDINATED THROUGH THE GENERAL CONTRACTOR AND APPROVED BY OWNER AND BUILDING DEPARTMENT. DESIGNER, CONSULTANT, COORDINATION, DRILLING, CUTTING AND REINFORCING COSTS SHALL BE BORNE BY THIS CONTRACTOR.

12. SLICES: FURNISH AND SET ALL SLICES FOR THE PASSAGE OF CONDUIT THROUGH WALLS, ROOF AND FLOORS AND ELSEWHERE AS WILL BE REQUIRED FOR THE PROPER PROTECTION OF EACH CONDUIT PASSING THROUGH BUILDING SURFACES. COORDINATE THE WORK WITH GENERAL CONTRACTOR IN ORDER TO PROPERLY EXPEDITE AND PERFORM THIS WORK.

13. PASSAGE OF EQUIPMENT: CHECK THE DIMENSIONAL REQUIREMENTS OF EQUIPMENT CAN PASS THROUGH THE NECESSARY AREAS TO REACH ITS ULTIMATE INSTALLED LOCATION. INCLUDE IN BID COSTS ALL WORK REQUIRED, INCLUDING ANY WORK REQUIRED TO MOVE THE EQUIPMENT THROUGH THE SITE TO THIS FINAL LOCATION, AND ANY DISMANTLING AND RE-ASSEMBLY.

14. STORAGE: PROVIDE STORAGE REQUIRED BY CODES AND AUTHORITIES HAVING JURISDICTION.

15. POTENTIAL DELIVERY PROBLEMS: NOTIFY THE GENERAL CONTRACTOR AND ENGINEER IN WRITING, WITH FIVE DAYS OF AWARD OF CONTRACT, OF THE PROPOSED DELIVERY SCHEDULE OF ANY MATERIALS THAT MAY PREVENT THE INSTALLATION FROM BEING COMPLETED BY THE PROJECT COMPLETION DATE.

16. WARRANTIES: SUBMIT A SINGLE GUARANTEE STATING THAT ALL PORTIONS OF THE WORK ARE IN ACCORDANCE WITH CONTRACT REQUIREMENTS. GUARANTEE ALL WORK AGAINST FAILURE AND IMPROPER MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER, EXCEPT THAT WHERE GUARANTEES OR WARRANTIES FOR LONGER TERMS ARE SPECIFIED BY CONTRACT, SUCH LONGER TERM SHALL APPLY.

17. RECTIFICATION: AT NO ADDITIONAL COST TO THE OWNER, WITHIN 24 HOURS AFTER NOTIFICATION, CORRECT ANY DEFICIENCIES WHICH OCCUR DURING THE GUARANTEE PERIODS, AS TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY SUCH DEFICIENCIES AND REPAIR THEREOF AND REIMBURSE THE OWNER FOR ALL COSTS INCURRED.

18. MAJOR ITEMS OF WORK (INCLUDES AS APPLICABLE)

B.1. AIR CONDITIONING SYSTEMS: SUPPLY, RETURN AND EXHAUST AIR DISTRIBUTION SYSTEMS, INCLUDING DUCTWORK, SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES, CONTROLS AND CONNECTIONS TO EXISTING WORK.

B.2. PIPE AND PIPING ACCESSORIES.

B.3. CONTROLS.

B.4. TESTING AND BALANCING OF ALL SYSTEMS.

B.5. DEMOLITION OF EXISTING EQUIPMENT, PIPING, DUCTWORK AND APPURTENANCES.

C. GENERAL ITEMS

C.1. ACCESS DOORS/PANELS: PROVIDE CONCEALED CONTROLS, DAMPERS, VALVES AND EQUIPMENT REQUIRING ACCESS WITH ADEQUATELY SIZED ACCESS DOORS/PANELS. IN REMOVABLE TYPE CEILING, PROVIDE ACCESS TO DISTRIBUTION ONLY.

C.2. CUTTING AND PATCHING FOR MECHANICAL WORK.

C.3. COORDINATE ALL NEW WORK WITH EXISTING INSTALLATIONS.

C.4. CONTRACTOR SHALL INSPECT JOB SITE PRIOR TO BID AND VERIFY EXACT LOCATION, SIZE AND LOCATION OF EXISTING PIPING PRIOR TO INSTALLATION AND CONNECTION OF ANY PIPING.

1.02 REFERENCE STANDARDS

A. IN ADDITION TO COMPLYING WITH ALL OTHER LEGAL REQUIREMENTS, COMPLY WITH CURRENT PROVISIONS OF GOVERNING CODES AND REGULATIONS IN EFFECT DURING THE PROGRESS OF THE WORK, AND WITH THE FOLLOWING:

1. DRAWINGS AND SPECIFICATION REQUIREMENTS SHALL GOVERN WHERE THEY EXCEED CODE AND REGULATION REQUIREMENTS.

2. WHERE REQUIREMENTS BETWEEN GOVERNING CODES AND REGULATIONS VARY, THE MORE STRINGENT SHALL APPLY.

3. NOTHING CONTAINED IN CONTRACT DOCUMENTS SHALL BE CONSTRUED AS AUTHORITY OR PERMISSION TO DISOBEY OR VIOLATE LEGAL REQUIREMENTS. THE CONTRACTOR SHALL IMMEDIATELY DRAW THE ATTENTION OF ARCHITECT TO ANY SUCH CONTRADICTIONS IN THE CONTRACT DOCUMENTS.

1.03 PERMITS AND INSPECTIONS

A. THE CONTRACTOR SHALL SECURE ALL APPROVALS AND PAY ALL FEES FOR ALL WORK INSTALLED. CERTIFICATE SHALL BE DELIVERED TO OWNER BEFORE FINAL PAYMENT WILL BE MADE.

1.04 DESCRIPTION

A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES, WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL," "SHALL BE," "TYPICAL," "PROJECT," "AT," "BY," "THE," AND "ALL" HAVE BEEN OMITTED FOR BREVITY.

B. DRAWINGS ARE DIAGNOSTIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYOUT, OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, MAINTAIN HEADROOM AND SPACE CONDITIONS.

C. DEFINITIONS

1. "TURNOUT" OR "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION OF PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.

2. "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.

3. "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.

4. "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.

5. "FITTING": PIPE, FIBRE, FITTINGS, FLANGES, VALVES, CONTROLS, STRAINERS, HANGERS, SUPPORTS, UNIONS, BRAPS, DRAINS, INSULATION, AND RELATED ITEMS.

6. "WIRING": RACKMAY, FITTINGS, WIRE, BOXES AND RELATED ITEMS.

7. "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN RECESSES, IN DRAIN SPACES OR IN ENCLOSURES.

8. "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.

9. "EQUIVALENT": EQUIVALENT IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.

D. SCOPE OF WORK: LABOR, MATERIALS, EQUIPMENT, SERVICES AND FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.

1.05 JOB CONDITIONS

A. CONNECTION TO EXISTING WORK

1. INSTALL NEW WORK AND CONNECTION TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FIXTURES.

2. TEMPORARY SHUTDOWNS OF EXISTING SERVICES

2.1. AT NO ADDITIONAL CHARGES.

2.2. WORK SHALL NOT INTERFERE WITH NORMAL OPERATION OF EXISTING EQUIPMENT.

2.3. ONLY WITH WRITTEN CONSENT OF OWNER.

3. ALARM AND EMERGENCY SYSTEMS: NOT TO BE INTERRUPTED.

4. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTION BETWEEN NEW AND EXISTING WORK.

5. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING EXISTING WORK TO ORIGINAL CONDITION INCLUDING MAINTENANCE PROCEDURE AND SAMPLE CALCULATION.

8. REMOVAL AND RELOCATION OF EXISTING WORK

1. DISCONNECT, REMOVE OR RELOCATE MATERIAL, EQUIPMENT, PLUMBING FIXTURES, PIPING AND OTHER WORK NOTED AND REQUIRED BY REMOVAL OR CHANGES IN EXISTING CONSTRUCTION.

2. WHERE EXISTING PIPES, CONDUITS AND/OR DUCTS WHICH ARE TO REMAIN FOR INSTALLATION OF NEW WORK AS INDICATED, RELOCATE OR REARRANGE FOR RELOCATION OF EXISTING PIPES, CONDUITS AND/OR DUCTS.

3. PROVIDE NEW MATERIAL AND EQUIPMENT REQUIRED FOR RELOCATED EQUIPMENT.

4. PLUG OR CAP EXISTING PIPING OR DUCTWORK BEHIND OR BELOW FINISH.

5. DO NOT LEAVE LONG HEAD-END BRANCHES: CAP OR PLUG AS CLOSE AS POSSIBLE TO ACTIVE LINE.

6. REMOVE UNUSED PIPING, DUCTWORK AND MATERIAL.

7. DISPOSE OF REMOVED FIXTURES AND EQUIPMENT AS DIRECTED.

1.06 QUALITY ASSURANCE

A. QUALITY AND GAUGES OF MATERIALS

1. QUALITY OF MATERIALS:

1.1. NEW, BEST OF THEIR RESPECTIVE KINDS, FREE FROM DEFECTS AND LISTED BY (UNDERWRITERS' LABORATORIES, INC. AND BEARING THEIR LABEL.

1.2. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION: SAME MANUFACTURE, EXCEPT AS NOTED.

1.3. CONFORM TO REFERENCE STANDARDS.

1.07 PRODUCT DELIVERY, STORAGE AND HANDLING

A. MOVING OF EQUIPMENT: WHERE NECESSARY, SHIP IN CRATED SECTIONS OF SIZE TO PERMIT PASSING THROUGH AVAILABLE SPACES.

B. ACCESSIBILITY:

1. FOR OPERATION, MAINTENANCE AND REPAIR.

2. MINOR DEMONSTRATIONS: PERMISSIBLE.

3. CHANGED OF MAINTENANCE OR INVOLVING EXTRA COST: NOT PERMISSIBLE WITHOUT REVIEW.

4. GROUP CONCEALED MECHANICAL EQUIPMENT REQUIRING ACCESS WITH EQUIPMENT FREELY ACCESSIBLE THROUGH ACCESS DOORS.

1.08 SUBMITTALS

A. PROVIDE SIX (6) COPIES OF SUBMITTAL MATERIAL, WITH DESCRIBED DATA FOR ALL PRODUCTS AND MATERIALS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING, PRIOR TO INSTALLATION. ALL SUBMITTALS SHALL BE IDENTIFIED TO INDICATE SPECIFIC PRODUCTS OR MATERIALS BEING USED. ALLOW 10 DAYS FOR ENGINEER TO REVIEW SUBMITTALS.

1. DUCTWORK ACCESSORIES.

2. DUCTWORK TYPICAL CONSTRUCTION.

3. DUCT SEALING.

4. DAMPERS.

5. PIPE AND PIPING ACCESSORIES.

6. DIFFUSERS, GRILLES AND REGISTERS.

7. AIR AND WATER TEST AND BALANCE.

8. COMPLETE FORMS PROPOSED FOR USE IN COMPLYING AND RECORDING TEST AND BALANCE DATA.

9. ONE SET OF AS-BUILT REPRODUCTION DRAWINGS.

B. PROVIDE 1 COPY OF APPROVED SUBMITTALS TO THE OFFICE OF THE BUILDING ENGINEER.

1.09 MAINTENANCE MANUALS AND AS-BUILT DRAWINGS

A. PROVIDE FOUR (4) COPIES OF OPERATING AND MAINTENANCE MANUAL FOR OWNER'S USE FOR EACH PIECE OF EQUIPMENT. EACH ITEM SHALL BE CROSS-REFERENCED AND NUMBERED WITH AS-BUILT DRAWING DESCRIPTIONS.

AS-BUILT DRAWINGS: DELIVER TO ENGINEER, ONE SET OF REDUCED MARK-UP, AIR BALANCE REPORT AND PANEL SCHEDULES SHOWING WORK AS ACTUALLY INSTALLED THREE (3) DAYS PRIOR TO FINAL PUNCH WORK.

1.10 SEISMIC SUPPORT

A. CONTRACTOR SHALL SUPPORT AND BRACE ALL NEW HVAC SYSTEMS IN ACCORDANCE WITH CODE SEISMIC REQUIREMENTS.

PART 2 PRODUCTS

2.01 DUCTWORK

A. GENERAL: ALL SAFING, DUCTS, DAMPERS, ACCESS DOORS, JOINTS, HANGERS, STIFFENERS, FIBRE DAMPERS AND FIRE RETARDING MATERIALS, IN ACCORDANCE WITH REQUIREMENTS OF MANUFACTURER'S QUALITY CONTROL STANDARDS, LATEST EDITION, AND ALL OTHER AUTHORITIES HAVING JURISDICTION AND AS DESCRIBED HEREIN. ALL SHEET METAL WORK SHALL HAVE A PRESSURE CLASSIFICATION AS FOLLOWS:

1. SUPPLY DUCT BETWEEN MAIN LOOP AND INLET TO TERMINAL AIR UNIT - 4 INCHES W.G.

2. SUPPLY DUCTS DOWNSTREAM OF TERMINAL AIR UNITS, AIR HANDLING UNITS AND FANS - 2 INCHES W.G.

3. RETURN AND EXHAUST AIR DUCTS - 2 INCHES W.G.

B. DUCTWORK: UNLESS OTHERWISE SPECIFIED:

1. COLD ROLLED "COMMERCIAL" QUALITY HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM NO. 1002-87.

A. ALL DIFFUSERS, GRILLES AND REGISTERS SHALL BE OF TYPE AND CAPACITY AS INDICATED ON DRAWINGS, STEEL, AND/OR EXTRUDED ALUMINUM CONSTRUCTION WITH BAVED (SMALL) FINISH COLOR AS SELECTED BY ARCHITECT. DIFFUSERS TO HAVE NO VISIBLE SCREW HEADS OR CONNECTIONS. RETURN GRILLES AND EXHAUST REGISTERS SIMILAR TO SUPPLY.

C. OUTLETS FURNISHED SHALL PROVIDE FOR THE REQUIRED CAPACITY WITH NO APPARENT DRAFTS OR EXCESSIVE AIR MOVEMENT. OUTLET WHICH CAUSE EXCESSIVE AIR MOVEMENT OR DRAFTS SHALL BE REPLACED AT NO COST TO THE OWNER.

D. SEE PLANS AND SCHEDULES FOR DIFFUSER TYPES AND WGR.

E. THE NOISE LEVEL PRODUCED SHALL COMPLY WITH ALL REQUIREMENTS OF THE ACoustical SPECIFICATION STATED HEREIN. A REPRESENTATIVE SAMPLE SHALL BE TESTED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED HEREIN IN ORDER TO DEMONSTRATE SUCH COMPLIANCE. ALL MEASUREMENTS SHALL BE MADE IN ACCORDANCE WITH AN OFFSHORE SOUND TEST CODE IN 106933 AND ASHRAE STANDARD 36-72. TEST CONDITIONS SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS. THE TEST RESULTS SHALL BE REPORTED BY THE TESTING AGENCY AND SUBMITTED FOR APPROVAL. THE TEST REPORT SHALL INCLUDE A COMPLETE DESCRIPTION OF THE TEST CONDITIONS, MEASUREMENT PROCEDURE AND SAMPLE CALCULATION.

F. THE SOUND POWER LEVEL (PWL, IN dB) SHALL BE OF EACH TYPE AND SIZE OF DIFFUSER SPECIFIED SHALL NOT EXCEED THE VALUES AS FOLLOWS: PWT, IN DB, RE-10-12, 10-12, 12-12, 12-15, 15-15, 15-18, 18-18, 18-20, 20-21, 21-20

OCTAVE BAND UP TO 200 HZ RANGE

DIFFUSER CENTER FREQUENCY

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

2.02 AIR OUTLETS AND INLETS

A. ALL DIFFUSERS, GRILLES AND REGISTERS SHALL BE OF TYPE AND CAPACITY AS INDICATED ON DRAWINGS, STEEL, AND/OR EXTRUDED ALUMINUM CONSTRUCTION WITH BAVED (SMALL) FINISH COLOR AS SELECTED BY ARCHITECT. DIFFUSERS TO HAVE NO VISIBLE SCREW HEADS OR CONNECTIONS. RETURN GRILLES AND EXHAUST REGISTERS SIMILAR TO SUPPLY.

B. BALANCING DAMPERS SHALL BE PROVIDED IN THE BRANCH DUCT AS FAR AS POSSIBLE FROM ALL SUPPLY AND RETURN SERVICES. THERE SHALL BE ADJUSTABLE AND ACCESSIBLE.

C. OUTLETS FURNISHED SHALL PROVIDE FOR THE REQUIRED CAPACITY WITH NO APPARENT DRAFTS OR EXCESSIVE AIR MOVEMENT. OUTLET WHICH CAUSE EXCESSIVE AIR MOVEMENT OR DRAFTS SHALL BE REPLACED AT NO COST TO THE OWNER.

D. SEE PLANS AND SCHEDULES FOR DIFFUSER TYPES AND WGR.

E. THE NOISE LEVEL PRODUCED SHALL COMPLY WITH ALL REQUIREMENTS OF THE ACoustical SPECIFICATION STATED HEREIN. A REPRESENTATIVE SAMPLE SHALL BE TESTED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED HEREIN IN ORDER TO DEMONSTRATE SUCH COMPLIANCE. ALL MEASUREMENTS SHALL BE MADE IN ACCORDANCE WITH AN OFFSHORE SOUND TEST CODE IN 106933 AND ASHRAE STANDARD 36-72. TEST CONDITIONS SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS. THE TEST RESULTS SHALL BE REPORTED BY THE TESTING AGENCY AND SUBMITTED FOR APPROVAL. THE TEST REPORT SHALL INCLUDE A COMPLETE DESCRIPTION OF THE TEST CONDITIONS, MEASUREMENT PROCEDURE AND SAMPLE CALCULATION.

F. THE SOUND POWER LEVEL (PWL, IN dB) SHALL BE OF EACH TYPE AND SIZE OF DIFFUSER SPECIFIED SHALL NOT EXCEED THE VALUES AS FOLLOWS: PWT, IN DB, RE-10-12, 10-12, 12-12, 12-15, 15-15, 15-18, 18-18, 18-20, 20-21, 21-20

OCTAVE BAND UP TO 200 HZ RANGE

DIFFUSER CENTER FREQUENCY

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

50

281-400

125

48

<

MANDATORY MEASURES

- CERTIFICATION OF EQUIPMENT EFFICIENCY (§110 AND §111)
- ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY REGULATIONS MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED TO THE COMMISSION, AS SPECIFIED IN THOSE REGULATIONS, THAT THE APPLIANCE COMPLES WITH THE APPLICABLE STANDARD FOR THAT APPLIANCE.
 - CERTIFICATION BY MANUFACTURERS, ANY SERVICE WATER-HEATING SYSTEM OR EQUIPMENT MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED THAT THE SYSTEM OR EQUIPMENT COMPLES WITH ALL OF THE REQUIREMENTS OF THIS SUBSECTION FOR THAT SYSTEM OR EQUIPMENT.
- VENTILATION (§121)
- ALL ENCLOSED SPACES IN A BUILDING THAT ARE NORMALLY USED BY HUMANS SHALL BE VENTILATED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION AND THE CDC.
 - THE OUTDOOR AIR-VENTILATION RATE AND AIR-DISTRIBUTION ASSUMPTIONS MADE IN THE DESIGN OF THE VENTILATING SYSTEM SHALL BE CLEARLY IDENTIFIED ON THE BUILDING PLANS REQUIRED BY §10-103 OF TITLE 24, PART 1.
- CONTROLS (§122)
- CRITERIA FOR ZONAL THERMOSTATIC CONTROLS. THE INDIVIDUAL THERMOSTATIC CONTROLS REQUIRED BY SECTION 122(A) SHALL MEET REQUIREMENTS FOR HEATING SHALL BE CAPABLE OF BEING SET, LOCALLY OR REMOTELY, DOWN TO 50°F OR LOWER OR FOR COOLING IT SHALL BE CAPABLE OF BEING SET, LOCALLY OR REMOTELY, UP TO 85°F OR HIGHER.
- PIPE INSULATION (§123)
- THE PIPING FOR ALL SPACE-CONDITIONING AND SERVICE WATER-HEATING SYSTEMS WITH FLUID TEMPERATURES LISTED IN TABLE 123-A SHALL INSTALL THE AMOUNT OF INSULATION SPECIFIED.
- DUCT CONSTRUCTION AND INSULATION (§124)
- ALL AIR DISTRIBUTION SYSTEM DUCTS AND FLEXIBLES, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS (USED AS DUCTS OR FLEXIBLES), SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF THE 2010 CMC SECTIONS 601, 602, 603, 604, 605, AND STANDARD 6-5. ACCEPTANCE TESTS (§125 AND REFERENCE NONRESIDENTIAL APPENDIX NA7).

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 5) MECH-1C

Project Name: VERIZON'S TENANT IMPROVEMENT Date: 11/15/2012
 1800 SOLAR DRIVE, OAKLAND, CA
 Building Type: Nonresidential High-Rise Residential Hotel/Short-Term Guest Room
 Phase of Construction: New Construction Addition Alteration
 Approach of Compliance: Component Overall Envelope TDV Energy Unconditioned (the alternate)
 Front Orientation: N, E, S, W or In Degrees: NE

Equipment*	Inspection Criteria	Special Features†	Pass	Fail - Describe Reason‡
Items or System Tags (i.e. AC-1, RTU-1, HP-1)	VAV BOXES			
Equipment Type*	VAV			
No. of Systems	17			
Max. Allowed Heating Capacity	N/A			
Minimum Heating Efficiency	N/A			
Max. Allowed Cooling Capacity	N/A			
Cooling Efficiency	N/A			
Duct Leakage/Value	M-103, R-4.2			
Duct Leakage Testing - If Yes, a MECH-1A must be submitted	N/A			
Economizer	SETBACK			
Thermostat	SETBACK			
Fan control	N/A			

Equipment*	Inspection Criteria	Special Features†	Pass	Fail - Describe Reason‡
Items or System Tags (i.e. AC-1, RTU-1, HP-1)	FP BOXES			
Equipment Type*	FAN POWERED			
No. of Systems	9			
Max. Allowed Heating Capacity	N/A			
Minimum Heating Efficiency	N/A			
Max. Allowed Cooling Capacity	N/A			
Cooling Efficiency	N/A			
Duct Leakage/Value	M-103, R-4.2			
Duct Leakage Testing - If Yes, a MECH-1A must be submitted	N/A			
Economizer	SETBACK			
Thermostat	SETBACK			
Fan control	N/A			

- Indicate special feature DETAILS on Page 2 of the Inspection Checklist Form.
- If the actual installed equipment performance efficiency and capacity is less than that proposed from the energy compliance submittal or from the building plans, the responsible party shall submit energy compliance to include the new changes.
- For additional detailed discrepancy use Page 2 of the Inspection Checklist Form.
- Indicate Equipment Type: Cooling or Heating, VAV, VAV HP (rig or split), Systems, FTAC, or other.

AIR SYSTEM REQUIREMENTS (Part 1 of 3) MECH-2C

Item or System Tags (i.e. AC-1, RTU-1, HP-1)	VAV BOXES	FP BOXES	AC UNITS
No. of Systems	17	9	3

MANDATORY MEASURES	7-24 Sections	N/A	N/A	N/A
Heating Equipment Efficiency	112(a)	N/A	N/A	N/A
Cooling Equipment Efficiency	112(b)	N/A	N/A	N/A
HVAC or Heat Pump Thermostat	112(b), 112(c)	N/A	N/A	M-401
Furnace Control Thermostat	112(c), 115(a)	N/A	N/A	N/A
Natural Ventilation	121(a)	N/A	N/A	N/A
Mechanical Ventilation	121(b)	M-003	M-003	(E), M-401
VAV Minimum Position Control	121(c)	M-701	M-701	N/A
Demand Control Ventilation	121(d)	N/A	N/A	N/A
Time Control	122(a)	N/A	N/A	N/A
Setback and Stair Control	122(b)	N/A	N/A	N/A
Outdoor Damper Control	122(c)	N/A	N/A	N/A
Isolation Zones	122(d)	N/A	N/A	N/A
Pipe Insulation	123	M-003	M-003	M-003
Duct Insulation	124	M-003	M-003	N/A

PRESCRIPTIVE MEASURES	144(a) & (b)	N/A	N/A	N/A
Calculated Design Heating Load	144(a) & (b)	N/A	N/A	N/A
Calculated Design Cooling Load	144(c)	N/A	N/A	CONSTANT
Fan Control	144(d)	N/A	N/A	N/A
DP Sensor Location	144(e)	N/A	N/A	N/A
Supply Pressure Reset (DDC only)	144(f)	N/A	N/A	N/A
Simultaneous Heat/Cool	144(g)	N/A	N/A	N/A
Economizer	144(h)	N/A	N/A	N/A
Heat and Cool Air Supply Reset	144(i)	N/A	N/A	N/A
Electric Resistance Heating*	144(j)	N/A	N/A	N/A
Heat Rejection System	144(k)	N/A	N/A	N/A
Air Cooled Chiller Limitation	144(l)	N/A	N/A	N/A
Duct Leakage Testing - If Yes, a MECH-1A must be submitted	144(m)	N/A	N/A	N/A

T. Total installed capacity (capacity of all packages) must be less than or equal to the electrical capacity of the electrical service for heat pumps. If electric heat is used, capacity which is associated to it shall apply.

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 3 of 5) MECH-1C

Project Name: VERIZON'S TENANT IMPROVEMENT Date: 11/15/2012
 VERIZON'S TENANT IMPROVEMENT
 Required Acceptance Tests

Design:
 This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendix Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:
 Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. Systems Acceptance. Before occupancy permit is granted, all newly installed HVAC equipment must be tested using the Acceptance Requirements.

The MECH-1C form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Examples: HVAC installer, TAB contractor, controls contractor, PIE in charge of project) and what Acceptance test must be conducted. The following checked-off boxes are required for ALL newly installed equipment. In addition a Certificate of Acceptance form shall be submitted to the building department that certifies plans, specifications, installation coordinates, and operating and maintenance information meet the requirements of §10-103(d) and Title 24 part 6. The building inspector must receive the properly filled out and signed forms before the building can receive that occupancy.

Equipment Requiring Testing or Verification	# of Units	MECH-1A Outdoor Ventilation & Single-Zone Utility	MECH-1B Constant Volume & Single-Zone Utility	MECH-1C Air Demand Control	MECH-1D Economizer Control	MECH-1E Demand Control Ventilation	MECH-1F Supply Fan VAV	MECH-1G Valve Leakage Test	MECH-1H Supply Water Temp. Reset	MECH-1I Hydronic System Variable Flow Control	MECH-1J Automatic Demand Shed Control	MECH-1K	MECH-1L
VAV BOXES	17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FP BOXES	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AC UNITS	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 4 of 5) MECH-1C

Project Name: VERIZON'S TENANT IMPROVEMENT Date: 11/15/2012
 VERIZON'S TENANT IMPROVEMENT

Equipment Requiring Testing or Verification	# of Units	MECH-1A Outdoor Ventilation & Single-Zone Utility	MECH-1B Constant Volume & Single-Zone Utility	MECH-1C Air Demand Control	MECH-1D Economizer Control	MECH-1E Demand Control Ventilation	MECH-1F Supply Fan VAV	MECH-1G Valve Leakage Test	MECH-1H Supply Water Temp. Reset	MECH-1I Hydronic System Variable Flow Control	MECH-1J Automatic Demand Shed Control	MECH-1K	MECH-1L
VAV BOXES	17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FP BOXES	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AC UNITS	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MECHANICAL CONTRACTOR

MECHANICAL VENTILATION AND REHEAT (MECH-3-C)

Zone System	MECHANICAL VENTILATION (§121(b)(2))										REHEAT LIMITATION (§144(e))			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Condition Area (ft²)	450	515	72	31	15	265	465	800	800	340	340	500	500	500
CFM by Area (ft²)	240	275	38	16	8	145	255	255	255	100	100	140	140	140
Min CFM by Area (ft²)	170	195	28	12	6	105	180	180	180	70	70	95	95	95
Min CFM by Person	410	470	60	25	12	135	240	240	240	100	100	140	140	140
Max of Occupant	25	29	3	1	0	30	30	30	30	10	10	14	14	14
REOD V.A. Max of D or G	25	29	3	1	0	30	30	30	30	10	10	14	14	14
Design Ventilation Air Supply	250	290	30	12	6	250	450	450	450	100	100	140	140	140
50% of Design Zone Supply	125	145	15	6	3	125	225	225	225	50	50	70	70	70
Max of Columns H, J, K, or 300 cfm	250	290	30	12	6	250	450	450	450	100	100	140	140	140
Design Minimum Air Re-heat	250	290	30	12	6	250	450	450	450	100	100	140	140	140
Transfer Air	250	290	30	12	6	250	450	450	450	100	100	140	140	140

Minimum ventilation rate per Section 8121, Table 121.A
 Based on fixed seat or the greater of the expected number of occupants and 50% of the CIB occupant load for egress purposes for spaces without fixed seating.
 Required Ventilation Air (REQD V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column B or G).
 Must be greater than or equal to H, or air Transfer Air (Column N) to make up the difference.
 Design fan supply cfm (if an CFM) x 50%, or the design zone outdoor airflow rate per §121.
 Condition area (ft²) x 4 cfm/ft² or
 L Maximum of Columns H, J, K, or 300 cfm.
 This must be less than or equal to Column E and greater than or equal to the sum of Columns H plus N.
 Transfer Air must be provided where the Required Ventilation Air (Column H) is greater than the Required Minimum Air (Column M). Where required, transfer air must be greater than or equal to the difference between the Required Ventilation Air (Column H) and the Design Minimum Air (Column M) if it must M.



1800 Solar Drive
Oakland, CA 94612

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler



Syska Hennessy Group, Inc.
850 Corporate Pointe
Suite 200
Culver City, CA 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

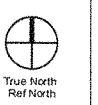
Issue	Date & Issue Description	By	Check
01	07/31/12	-	-
1	09/12/12	-	-
2	09/12/12	-	-
3	10/29/12	-	-
4	10/29/12	-	-
5	11/19/12	-	-
6	02/21/13	-	-

Project Name: VERIZON V.I.P.

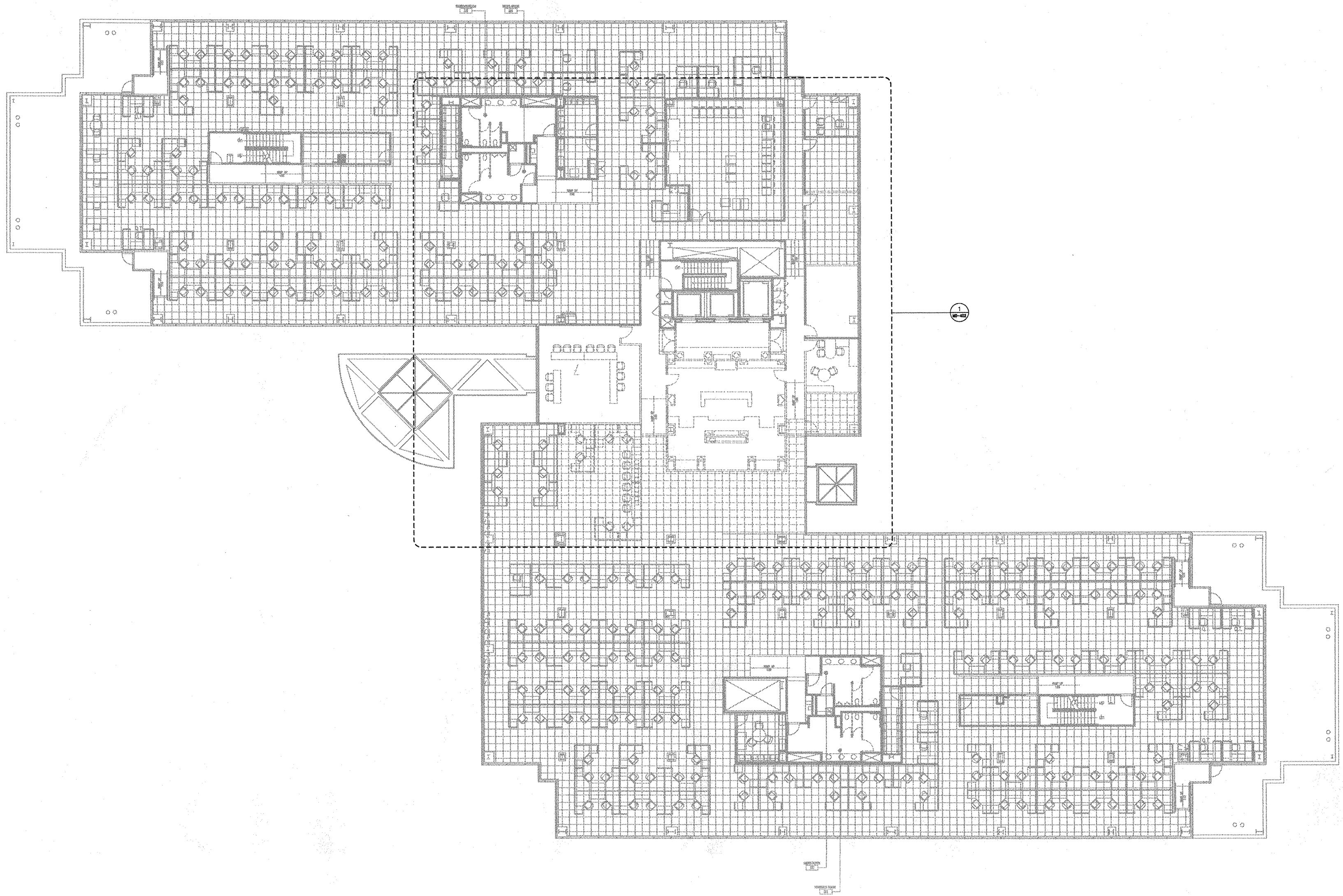
Project Number: VZCOX000
 Lead File Name: P:\AO\CFVZCOX000\Drawings\Sheets\M-003-VZCOX000.dwg
 Description: TITLE-24 COMPLIANCE FORMS - MECHANICAL

Scale: NONE

M-003



©2013 Gensler



The corner tick marks represent the 30'x60' grid area.



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler



SYSKA HENNESSY GROUP
A member company of SHI Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.453.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Date/Signature

Project Name:
VERIZON V.I.P.

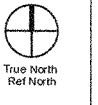
Project Number:
VZCOX000

CAD File Name:
P:\A\CFVZCOX000\Drawings\Sheets\MD-102-VZCOX000.dwg

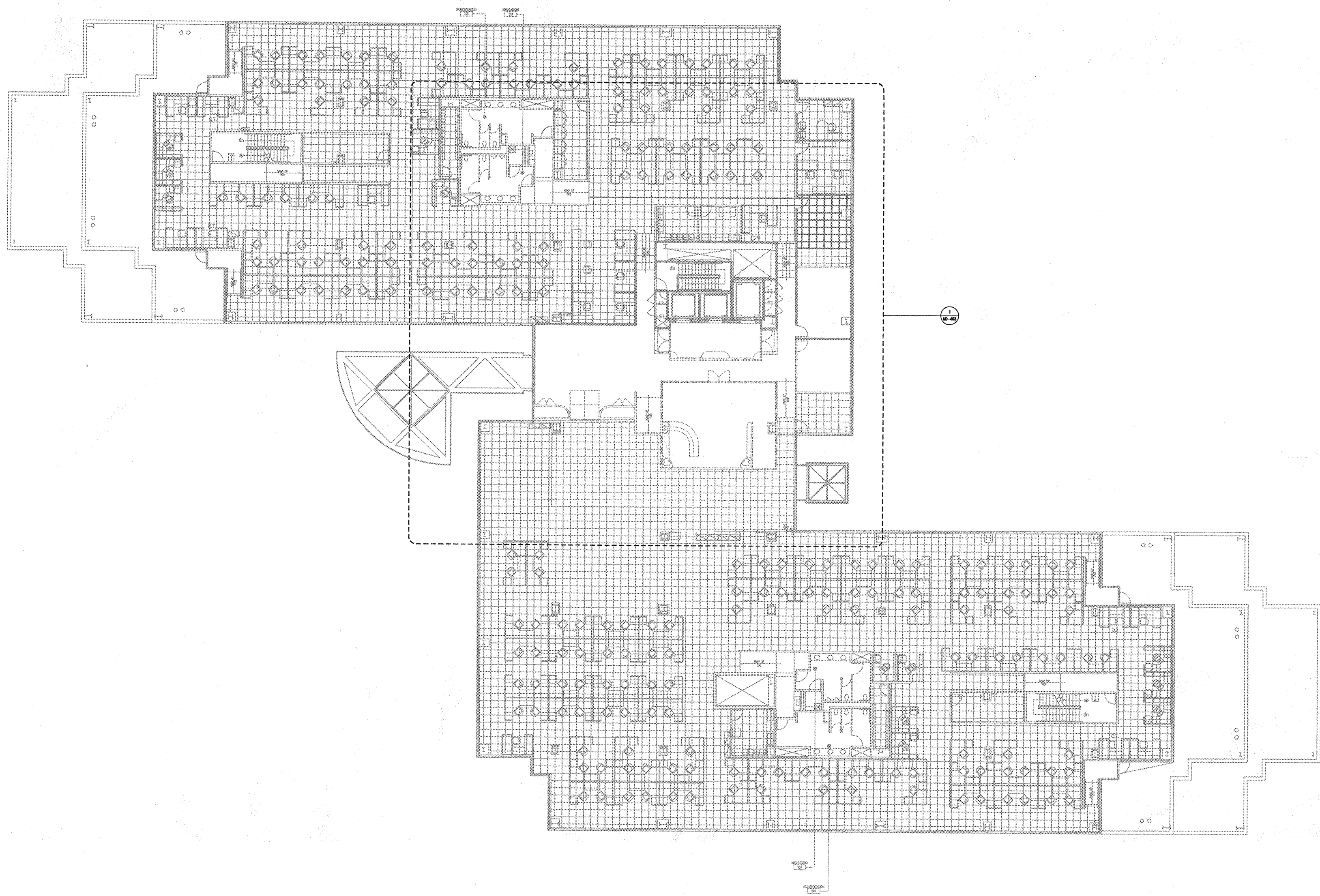
OVERALL SECOND FLOOR MECHANICAL DEMOLITION PLAN

Scale:
3/32" = 1'-0"

MD-102



©2013 Gensler



The corner tick marks represent the 30'x48' grid area.



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile: 212.492.1472

Gensler



**SYSKA HENNESSY
GROUP**

A member company of SHI Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 500
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/21/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/2012		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\MD-103-VZCOX000.dwg

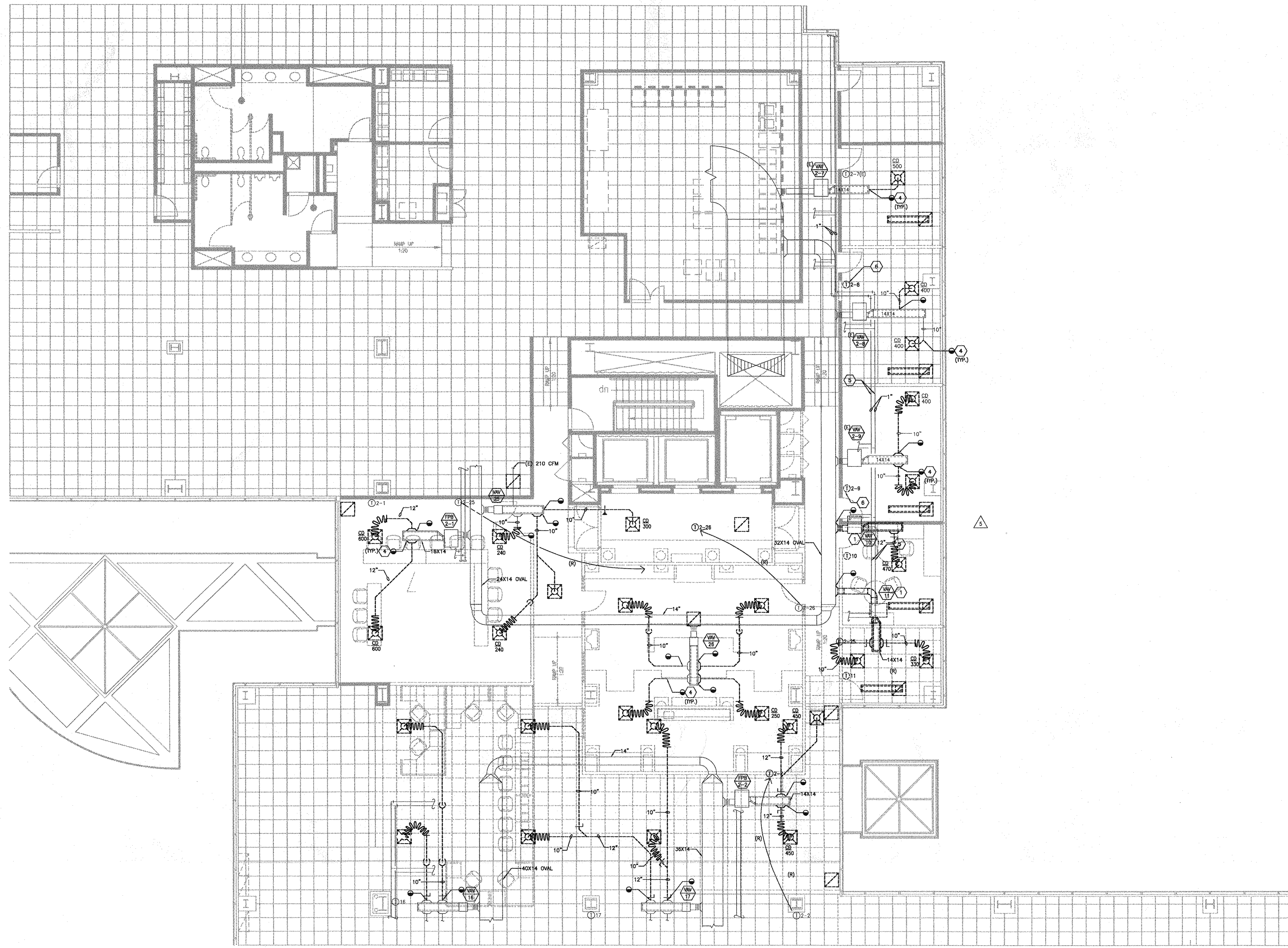
Description
OVERALL THIRD FLOOR MECHANICAL DEMOLITION PLAN

Scale
3/32" = 1'-0"

MD-103



©2013 Gensler



ENLARGED SECOND FLOOR MECHANICAL DEMOLITION PLAN

SHEET NOTES

1. DEMO (E) FFB BOX, ALL ASSOCIATED DUCTWORK, DIFFUSERS, AND PIPING. CAP (E) SA DUCT AND PIPING CLOSE TO MAIN.
2. PROVIDE 3/4" RHSR TO REHEAT COIL FROM (E) RHSR.
3. INACTIVE BLANKED SEGMENT OF LINEAR SUPPLY DIFFUSER TO MATCH ACTIVE PORTION.
4. DEMO (E) SA DUCT FROM POINT OF DISCONNECT. CAP (E) UNUSED SA DUCT OPENING AIRTIGHT.
5. (E) RHSR TO REMAIN.
6. DEMO (E) THERMOSTAT.



1800 Solar Drive
Orem, UT 84058



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
600 Corporate Plaza
Suite 200
Culver City, CA 90230
Tel: 310.312.0200
Fax: 310.423.7495
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/27/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/2012		
	RELEASED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

GENERAL NOTES

1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROPRIATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
2. DUCT SIZES:
 - 2.1. UPSTREAM OF VAV BOX SHALL MATCH VAV BOX INLET SIZE.
 - 2.2. DOWNSTREAM OF VAV BOX, REFER TO BRANCH DUCT SCHEDULE ON M-801.
3. MANUAL VOLUME DAMPER (TYP.) FOR EACH BRANCH DUCT TO AIR OUTLET. LOCATE AT BRANCH AS FAR AS POSSIBLE FROM AIR OUTLET. FOR DAMPERS LOCATED ABOVE HAND LED OR INACCESSIBLE CEILING, PROVIDE REMOTE DAMPER REGULATORS. COORDINATE LOCATION OF DAMPER ACCESS REMOTE REGULATOR CAP WITH ARCHITECT.
4. REPLACE FILTER FOR ALL FFB.

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\MD-402-VZCOX000.dwg

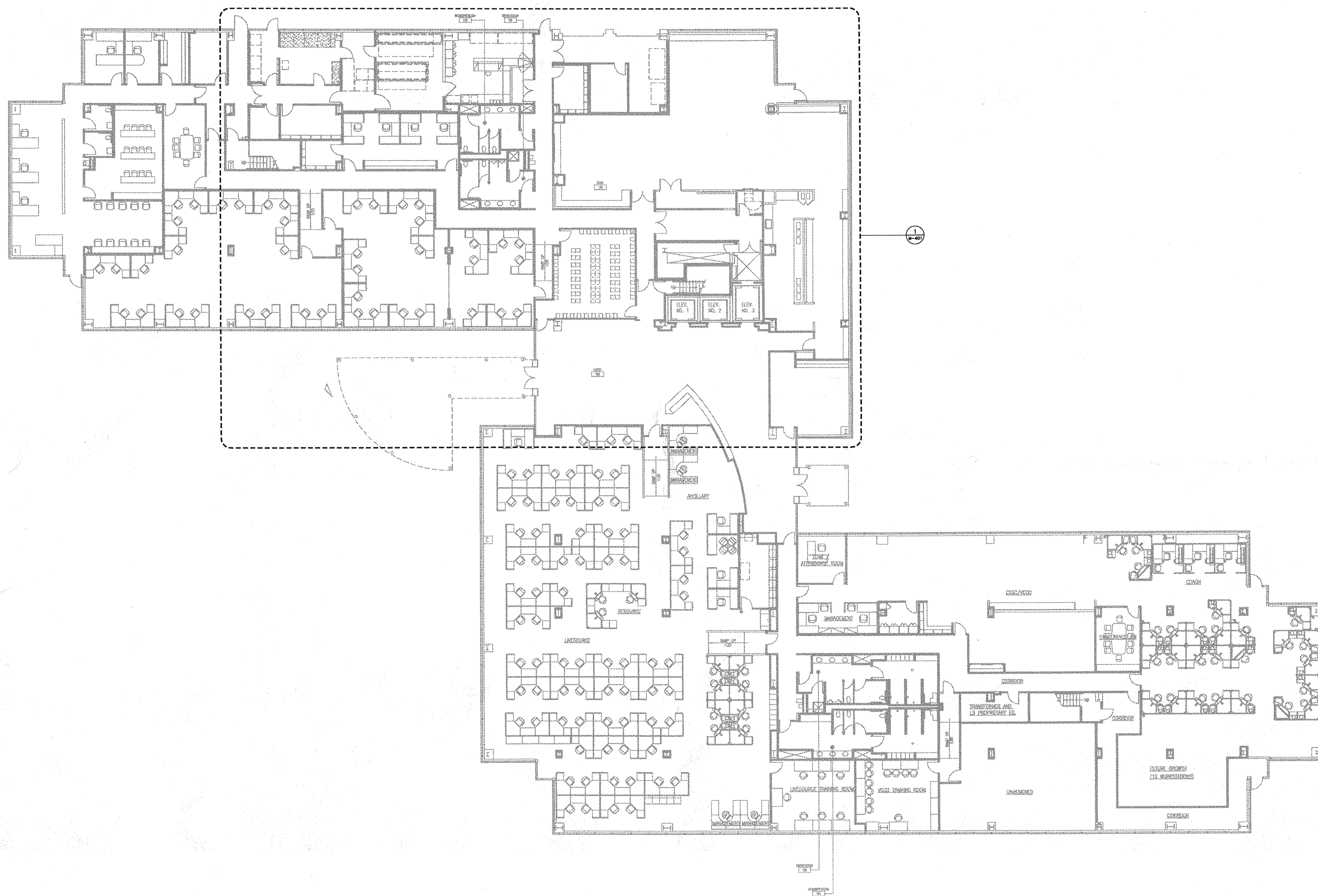
Description
ENLARGED SECOND FLOOR MECHANICAL DEMOLITION PLAN

Scale
3/16" = 1'-0"

MD-402

True North
Ref North

The corner 1/4" marks represent the 37" x 46" grid area.



1800 Solar Drive
Oxnard, CA 93030

Gensler
1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Syska Hennessy
GROUP
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, CA 90230
Tel: 310.312.2200
Fax: 310.312.2469
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/13/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/22/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Scale/Signature

Project Name
VERIZON V.I.P.

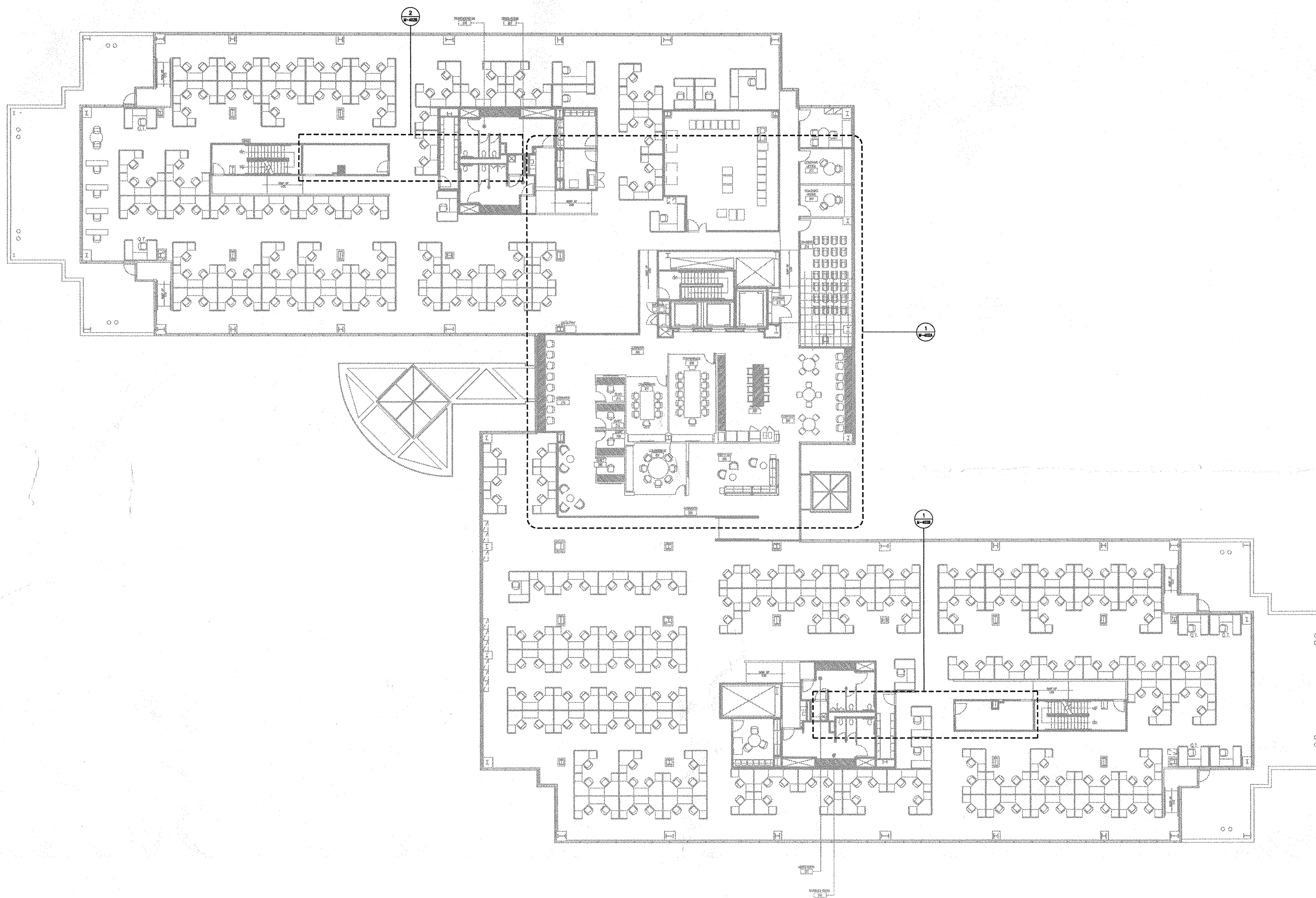
Project Number
VZCOX000
Local File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\M-101-VZCOX000.dwg
Description
OVERALL FIRST FLOOR MECHANICAL PLAN

Scale
3/32" = 1'-0"

M-101

1 ©2013 Gensler

OVERALL FIRST FLOOR MECHANICAL PLAN



The corner tick marks represent the 30" x 48" grid area.

OVERALL SECOND FLOOR MECHANICAL PLAN



1800 Solar Drive
Oxnard, CA 93030

Gensler
1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

SYSKA HENNESSY
group
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7488
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12 PLAN CHECK	-	-
1	08/10/12 ISSUE FOR CONSTRUCTION	-	-
2	08/12/12 BULLETIN 1	-	-
3	10/09/12 BULLETIN 2	-	-
4	10/22/12 REVISED FOR PLAN CHECK	-	-
5	11/19/12 BULLETIN 3	-	-
6	02/21/13 BULLETIN 4	-	-

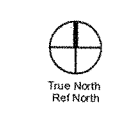
Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZC0X000
CAD File Name
P:\LAO\CFVZC0X000\Drawings\Sheets\M-102-VZC0X000.dwg

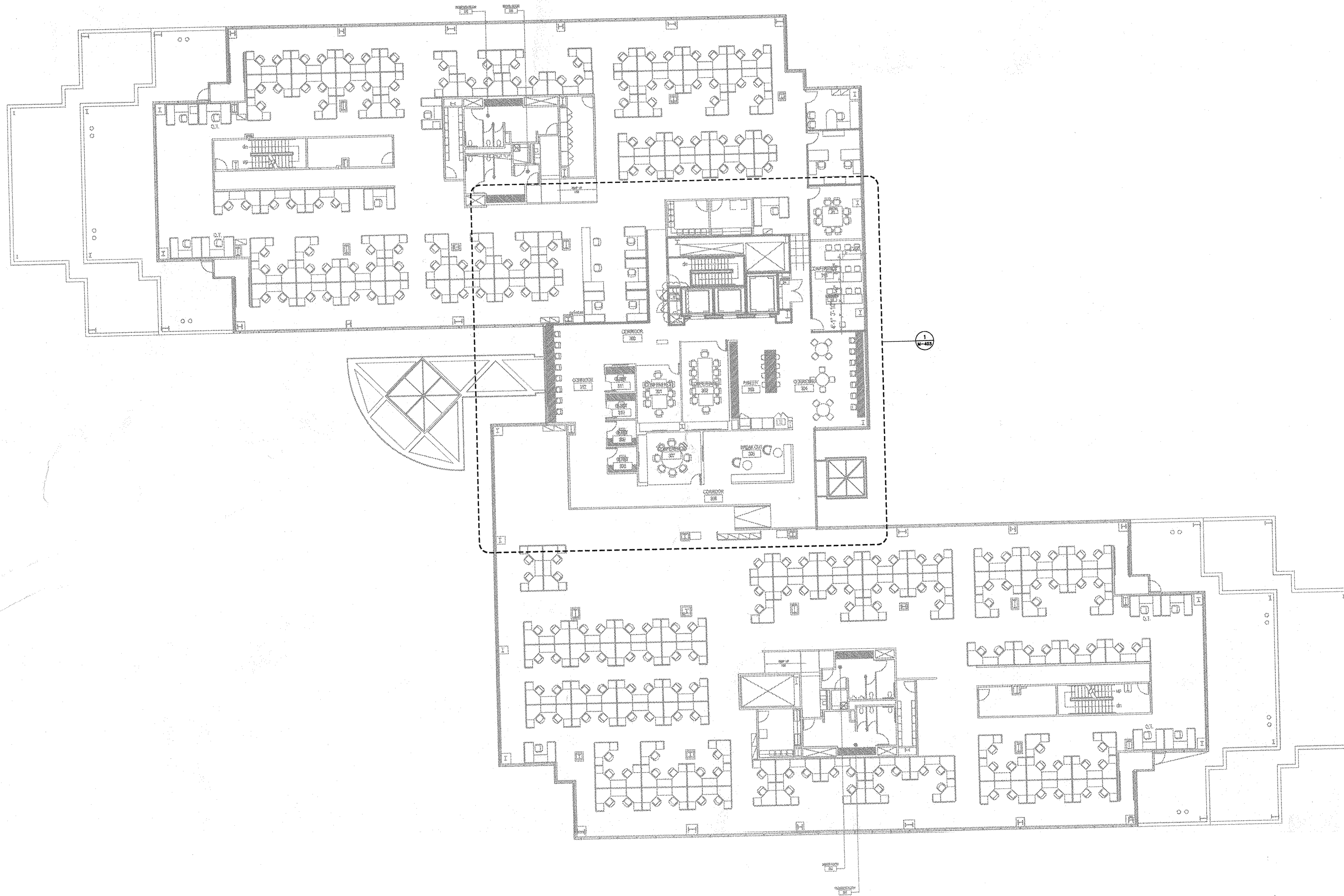
OVERALL SECOND FLOOR MECHANICAL PLAN

Scale
3/32" = 1'-0"



M-102

©2013 Gensler



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
A member company of SH Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0000
Fax: 310.473.7465
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	ISSUE FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/11/13		
	BULLETIN 4		

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\M-103-VZCOX000.dwg

Overall Third Floor Mechanical Plan

Scale
3/32" = 1'-0"

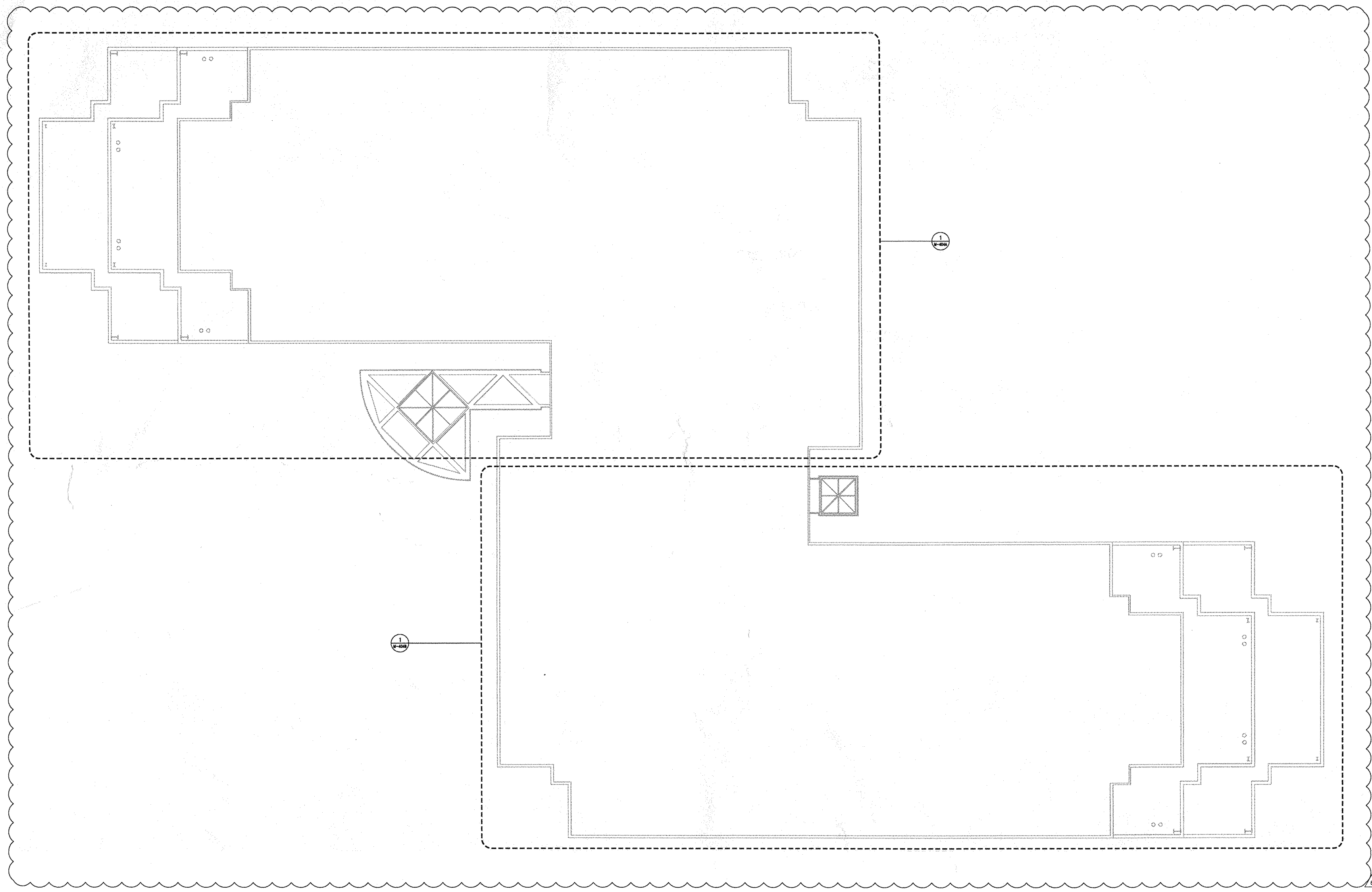


M-103

©2013 Gensler

OVERALL THIRD FLOOR MECHANICAL PLAN

The corner tick marks represent the 20'x40' grid area.



The corner tick marks represent the 30'x48' plot area.

OVERALL ROOF MECHANICAL PLAN

1



1800 Solar Drive
 Orland, CA 95030



1230 Avenue of the Americas
 Suite 1500
 New York, NY 10020
 Telephone 212.492.1400
 Facsimile 212.492.1472



A member company of SH Group, Inc.
 Syska Hennessy Group, Inc.
 805 Corporate Pointe
 Suite 200
 Culver City, Ca. 90230
 Tel: 310.312.0200
 Fax: 310.473.7458
 www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12	-	-
PLAN CHECK			
1	08/10/12	-	-
ISSUE FOR CONSTRUCTION			
2	08/12/12	-	-
BULLETIN 1			
3	10/08/12	-	-
BULLETIN 2			
4	10/23/2012	-	-
REVISED FOR PLAN CHECK			
5	11/18/12	-	-
BULLETIN 3			
6	02/21/13	-	-
BULLETIN 4			

Sheet/Signature

Project Name
 VERIZON V.I.P.

Project Number
 VZCOX000
 CAD File Name
 P:\LAO\CF\VZCOX000\Drawings\Sheets\M-104-VZCOX000.dwg
 Description
 OVERALL ROOF MECHANICAL PLAN

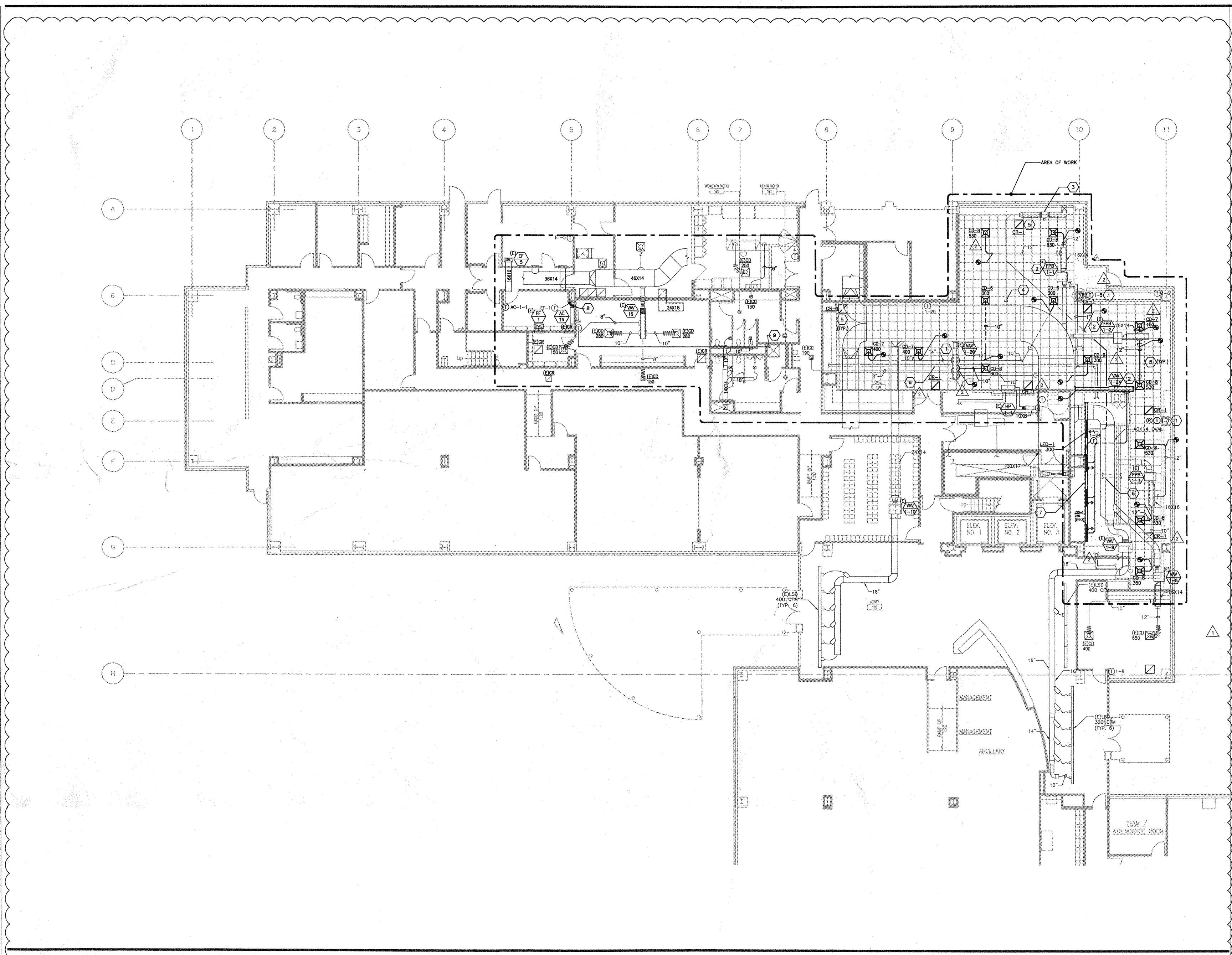
Scale
 3/32" = 1'-0"



M-104

©2013 Gensler





SHEET NOTES

1. RELOCATE (E) THERMOSTAT TO LOCATION AS SHOWN. EXTEND (E) PNEUMATIC LINE AS REQUIRED.
2. REBALANCE VAV/FP BOX. ALL ASSOCIATED DIFFUSERS TO CFM AS SHOWN.
3. (E) EXH. FAN TO REMAIN. REBALANCE EXH. FAN TO CFM AS SHOWN.
4. DEMO AND CAP (E) EA DUCT. FIELD VERIFY ROUTING ON (E) EA DUCT.
5. PROVIDE (N) CEILING DIFFUSER, RETURN AIR GRILLE, AND EXHAUST GRILLE TO LOCATION AS SHOWN TO MATCH NEW ARCHITECTURE CEILING GRID.
6. (E) HISSAR TO REMAIN.
7. INACTIVE BLANKED SEGMENT OF LINEAR SUPPLY DIFFUSER TO MATCH ACTING PORTION.
8. (N) REFRIGERANT PIPING UP THROUGH ROOF. EXACT LOCATION OF PIPING TO BE COORDINATED IN THE FIELD.
9. (N) CONDENSATE PIPE DN THROUGH CEILING AND SPILL TO (E) SERVICE SINK.

GENERAL NOTES

1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE FOR ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
2. DUCT SIZES:
 - 2.1. UPSTREAM OF VAV BOX SHALL MATCH VAV BOX INLET SIZE.
 - 2.2. DOWNSTREAM OF VAV BOX. REFER TO BRANCH DUCT SCHEDULE ON M-401.
3. MANUAL VOLUME DAMPER (TYP.) FOR EACH BRANCH DUCT TO AIR OUTLET. LOCATE AT BRANCH AS FAR AS POSSIBLE FROM AIR OUTLET. FOR DAMPERS LOCATED ABOVE HANG UP OR UNACCESSIBLE CEILING, PROVIDE REMOTE DAMPER REGULATIONS. COORDINATE LOCATION OF DAMPER ACCESS REMOTE REGULATOR CAP WITH ARCHITECT.
4. REPLACE FILTERS FOR ALL FPL.

1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile 212.492.1472

Gensler

Syska Hennessy Group
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Plaza
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0000
Fax: 310.473.7488
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/21/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/2012		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Sheet Signature _____

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\M-401-VZCOX000.dwg

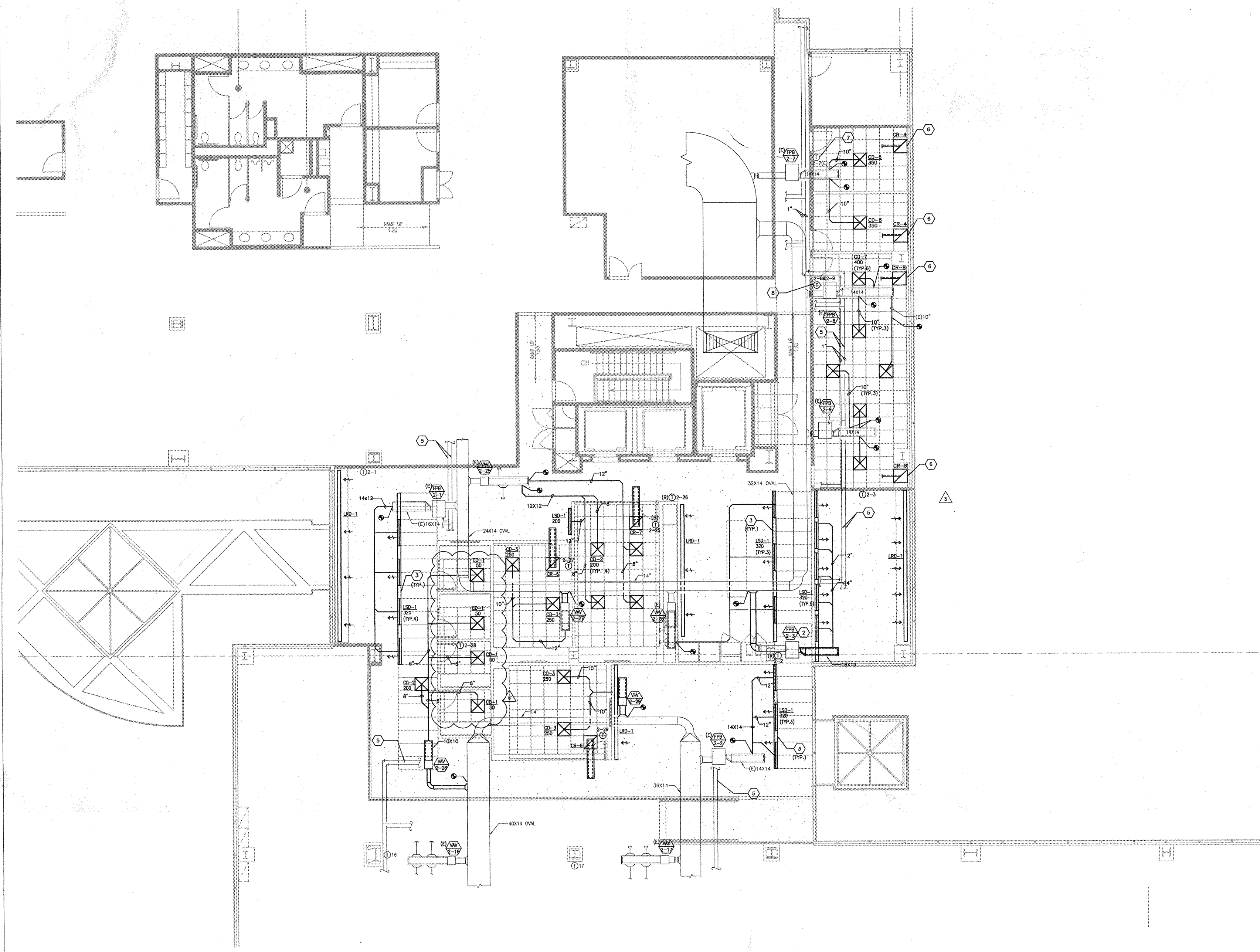
Description
ENLARGED FIRST FLOOR MECHANICAL PLAN

Scale
1/8" = 1'-0"

M-401

©2013 Gensler

ENLARGED FIRST FLOOR MECHANICAL PLAN



SHEET NOTES

1. DEMO (E) FFB BOX, ALL ASSOCIATED DUCTWORK, DIFFUSERS, AND PIPING. CAP (E) SA DUCT AND PIPING CLOSE TO MAIN.
2. PROVIDE 3/4" HWS&R TO REHEAT COIL FROM (E) HWS&R.
3. INACTIVE BLANKED SEGMENT OF LINEAR SUPPLY DIFFUSER TO MATCH ACTIVE PORTION.
4. DEMO (E) SA DUCT FROM POINT OF DISCONNECT. CAP (E) UNUSED SA DUCT OPENING AIRTIGHT.
5. (E) HWS&R TO REMAIN.
6. (N) RETURN GRILLE TO HAVE RETURN BOOT. SEE DETAIL 8/A-501.
7. (E) TEMPERATURE SENSOR TO REMAIN.
8. PROVIDE ONE (N) THERMOSTAT TO CONTROL BOTH (E) VW BOXES 2-8 AND 2-9.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



A member company of SHoP Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date	Description	By	Check
01	07/21/12	PLAN CHECK		
1	08/10/12	ISSUE FOR CONSTRUCTION		
2	09/12/12	BULLETIN 1		
3	10/09/12	BULLETIN 2		
4	10/23/12	REVISED FOR PLAN CHECK		
5	11/19/12	BULLETIN 3		
6	02/21/13	BULLETIN 4		

GENERAL NOTES

1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
2. DUCT SIZES:
 - 2.1. UPSTREAM OF VW BOX SHALL MATCH VW BOX INLET SIZE.
 - 2.2. DOWNSTREAM OF VW BOX, REFER TO BRANCH DUCT SCHEDULE ON M-601.
3. MANUAL VOLUME DAMPER (TYP.) FOR EACH BRANCH DUCT TO AIR OUTLET. LOCATE AT BRANCH AS FAR AS POSSIBLE FROM AIR OUTLET. FOR DAMPERS LOCATED ABOVE HANG LD OR INACCESSIBLE CEILING, PROVIDE REMOTE DAMPER REGULATORS. COORDINATE LOCATION OF DAMPER ACCESS REMOTE REGULATOR CAP WITH ARCHITECT.
4. REPLACE FILTER FOR ALL FFB.

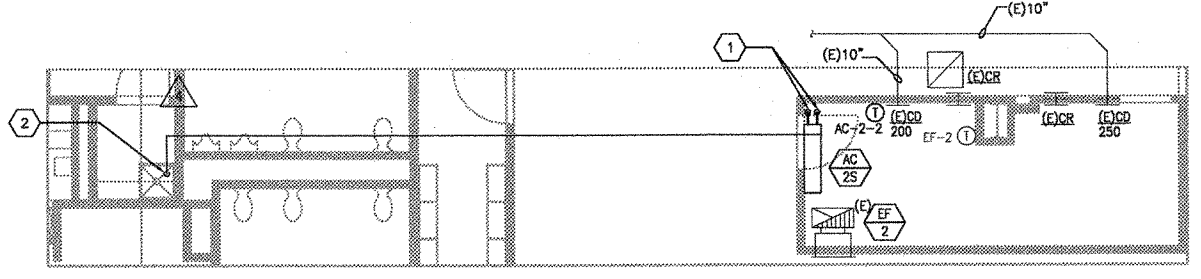
Project Name:
VERIZON V.I.P.
Project Number:
VZCOX000
CAD File Name:
P:\A\OC\F\VZCOX000\Drawings\Sheets\M-402A-VZCOX000.dwg
Location:
ENLARGED SECOND FLOOR MECHANICAL PLAN

Scale:
3/16" = 1'-0"

M-402A

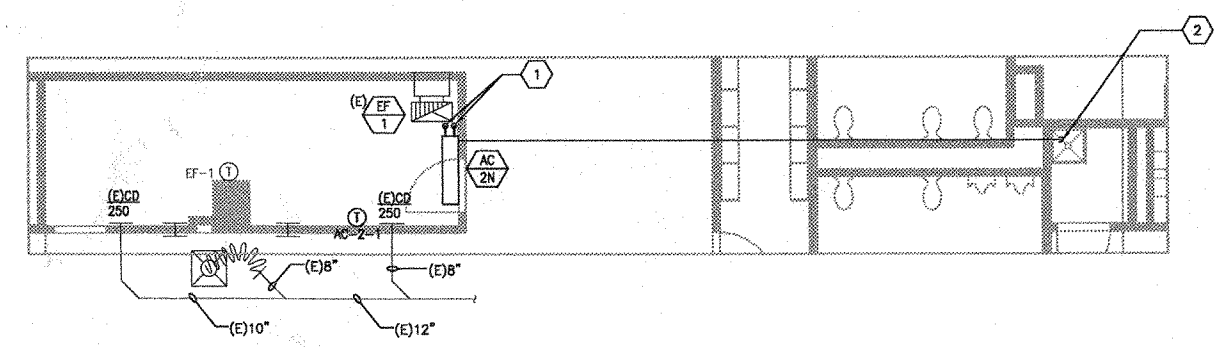


ENLARGED SECOND FLOOR MECHANICAL PLAN



SECOND FLOOR IDF ROOM SOUTH - ENLARGED MECHANICAL PLAN

1

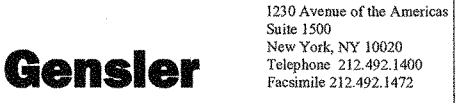
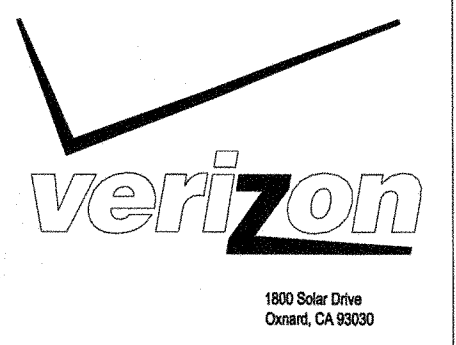


SECOND FLOOR IDF ROOM NORTH - ENLARGED MECHANICAL PLAN

2

SHEET NOTES

1. (N) REFRIGERANT PIPING UP THROUGH ROOF. EXACT LOCATION OF PIPING TO BE COORDINATED IN THE FIELD.
2. (N) CONDENSATE PIPE DN THROUGH CEILING AND SPILL TO (E) SERVICE SINK.



Issue	Date & Issue Description	By	Check
01	07/31/12	-	-
PLAN CHECK			
1	08/13/12	-	-
ISSUE FOR CONSTRUCTION			
2	09/12/12	-	-
BULLETIN 1			
3	10/09/12	-	-
BULLETIN 2			
4	10/23/12	-	-
REVISED FOR PLAN CHECK			
5	11/19/12	-	-
BULLETIN 3			
6	02/21/13	-	-
BULLETIN 4			

GENERAL NOTES

1. -

Seal/Signature _____

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\M-402B-VZCOX000.dwg

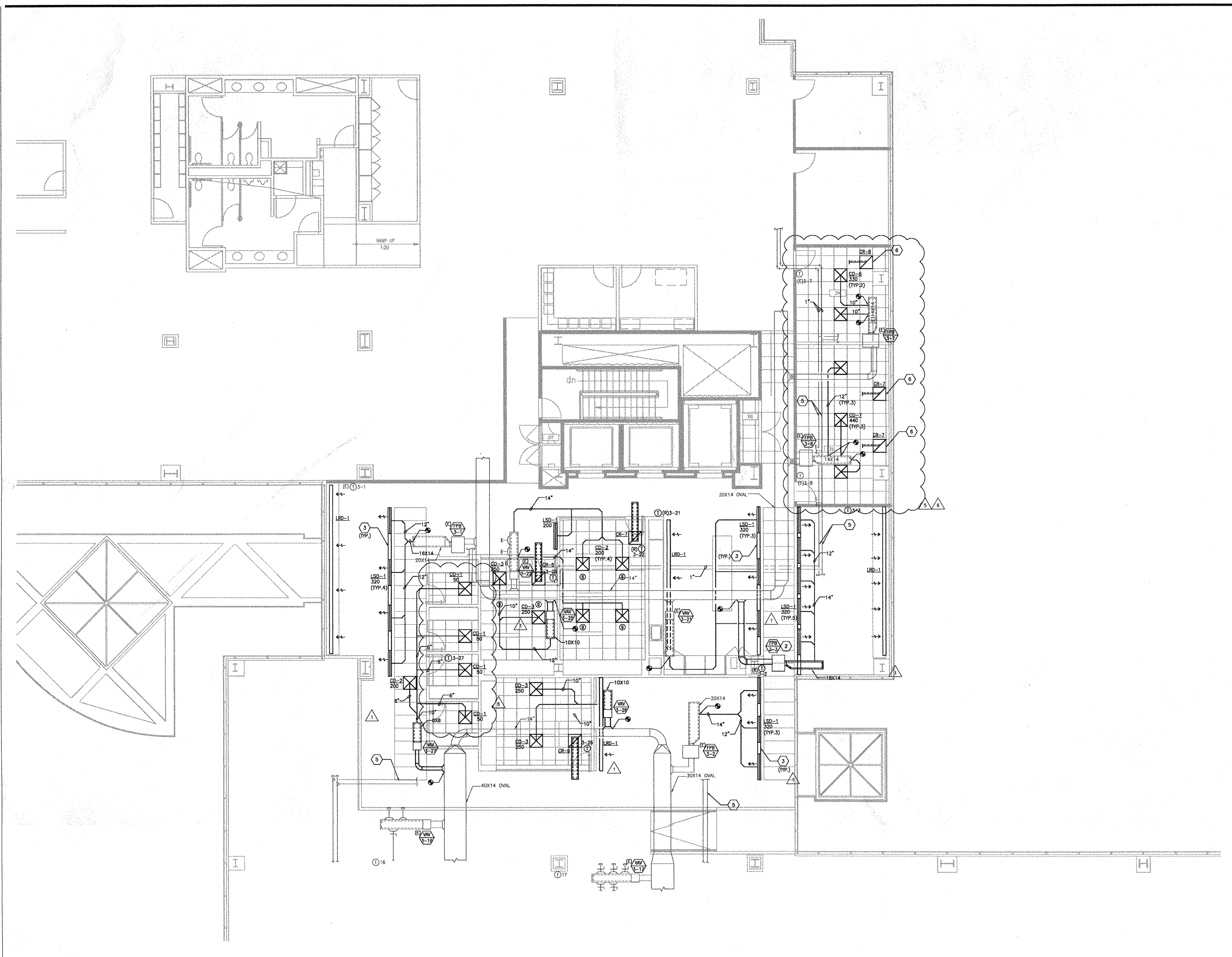
Description
ENLARGED SECOND FLOOR MECHANICAL PLAN

Scale
3/16" = 1'-0"

M-402B

©2013 Gensler

The corner fid marks represent the 30"x40" plot area.



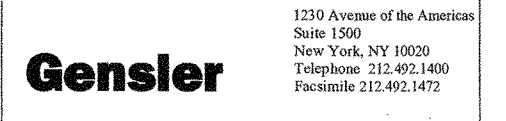
- ### SHEET NOTES
1. DEMO (E) FFB BOX, ALL ASSOCIATED DUCTWORK, DIFFUSERS, AND PIPING. CAP (E) SA DUCT AND PIPING CLOSE TO MAIN.
 2. PROVIDE 3/4" HWSAR TO REHEAT COIL FROM (E) HWSAR. INACTIVE BLANKED SEGMENT OF LINEAR SUPPLY DIFFUSER TO MATCH ACTIVE PORTION.
 3. DEMO (E) SA DUCT FROM FRONT OF DISCONNECT. CAP (E) UNUSED SA DUCT OPENING AIRTIGHT.
 4. (E) HWSAR TO REMAIN.
 5. (N) RETURN GRILLE TO HAVE RETURN BOOT. SEE DETAIL 8/M-501.

- ### GENERAL NOTES
1. WALL, FLOOR, AND CEILING DEVICES SHOWN FOR QUANTITY AND APPROXIMATE LOCATION ONLY. EXACT LOCATION SHALL BE PER ARCHITECTURAL DRAWINGS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
 2. DUCT SIZES:
 - 2.1. UPSTREAM OF VAV BOX SHALL MATCH VAV BOX INLET SIZE.
 - 2.2. DOWNSTREAM OF VAV BOX, REFER TO BRANCH DUCT SCHEDULE ON M-601.
 3. MANUAL VOLUME DAMPER (TYP.) FOR EACH BRANCH DUCT TO AIR OUTLET. LOCATE AT BRANCH AS FAR AS POSSIBLE FROM AIR OUTLET. FOR DAMPERS LOCATED ABOVE HAND LD OR INACCESSIBLE CEILING, PROVIDE REMOTE DAMPER REGULATORS. COORDINATE LOCATION OF DAMPER ACCESS REMOTE REGULATOR CAP WITH ARCHITECT.
 4. REPLACE FILTER FOR ALL FFB.

ENLARGED THIRD FLOOR MECHANICAL PLAN



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
803 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.472.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
PLAN CHECK			
1	08/13/12		
ISSUE FOR CONSTRUCTION			
2	08/13/12		
BULLETIN 1			
3	10/08/12		
BULLETIN 2			
4	10/22/12		
REVISED FOR PLAN CHECK			
5	11/19/12		
BULLETIN 3			
6	02/21/13		
BULLETIN 4			

Project Name: VERIZON V.I.P.

Project Number: VZCOX000

CAD File Name: P:\LAO\CF\VZCOX000\Drawings\Sheets\M-403-VZCOX000.dwg

Description: ENLARGED THIRD FLOOR MECHANICAL PLAN

Scale: 3/16"=1'-0"

M-403

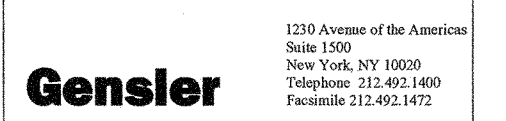
©2013 Gensler

SHEET NOTES ○

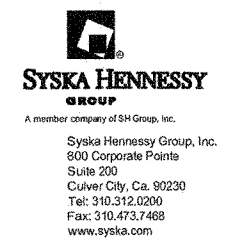
1. (N) REFRIGERANT PIPING DOWN TO SECOND FLOOR AND CONNECT TO AC-2N.
2. (N) REFRIGERANT PIPING DOWN TO FIRST FLOOR AND CONNECT TO AC-1N.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile: 212.492.1472



SYSKA HENNESSY GROUP
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
600 Corporate Plaza
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/15/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/02/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

GENERAL NOTES

1. _____

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\M-404A-VZCOX000.dwg
Description
ENLARGED ROOF MECHANICAL PLAN

Scale
1/8" = 1'-0"

M-404A
©2013 Gensler



ENLARGED ROOF MECHANICAL PLAN

The corner kick marks represent the 3/4" x 48" plot area.



SHEET NOTES

- (N) REFRIGERANT PIPING DOWN TO SECOND FLOOR AND CONNECT TO AC-2S.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



A member company of JH Group, Inc.
Syska Hennessy Group, Inc.
850 Corporate Pointe
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.472.7469
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12	-	-
PLAN CHECK			
1	08/15/12	-	-
ISSUE FOR CONSTRUCTION			
2	09/12/12	-	-
BULLETIN 1			
3	10/09/12	-	-
BULLETIN 2			
4	10/23/12	-	-
REVISED FOR PLAN CHECK			
5	11/19/12	-	-
BULLETIN 3			
6	02/21/13	-	-
BULLETIN 4			

GENERAL NOTES

1. -

Date/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\M-404B-VZCOX000.dwg
Description
ENLARGED ROOF MECHANICAL PLAN

Scale
1/8" = 1'-0"

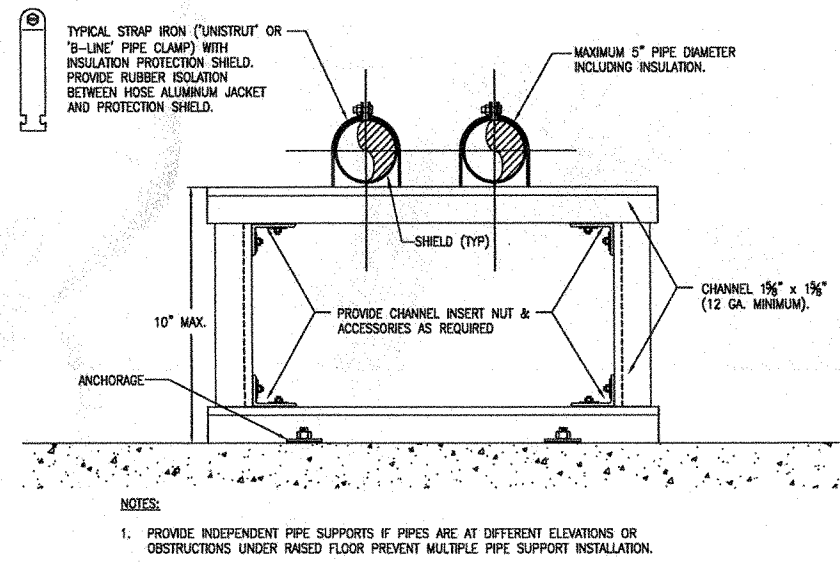
M-404B

©2013 Gensler

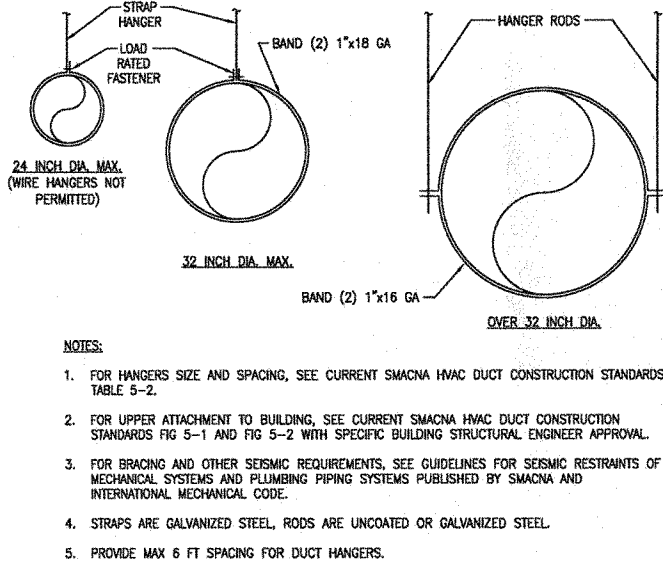
True North
Ref North

ENLARGED ROOF MECHANICAL PLAN

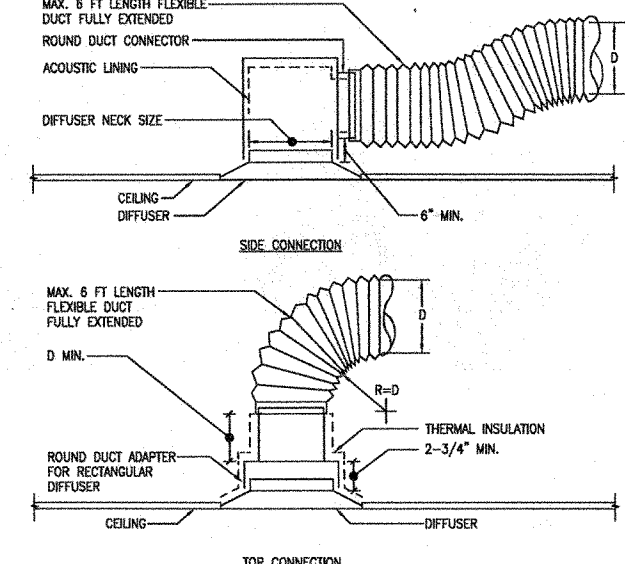
The corner tick marks represent the 30"x48" plot area.



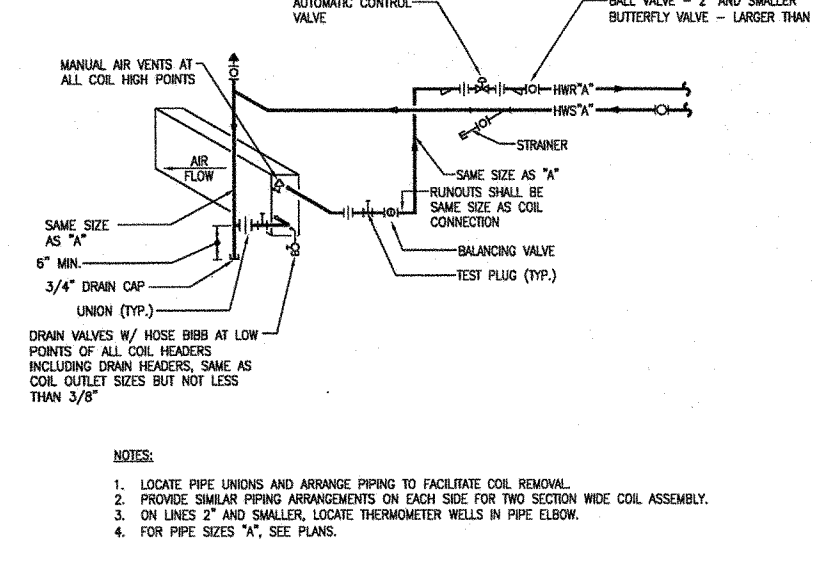
10 FLOOR MOUNTED PIPING SUPPORT
SCALE: NONE



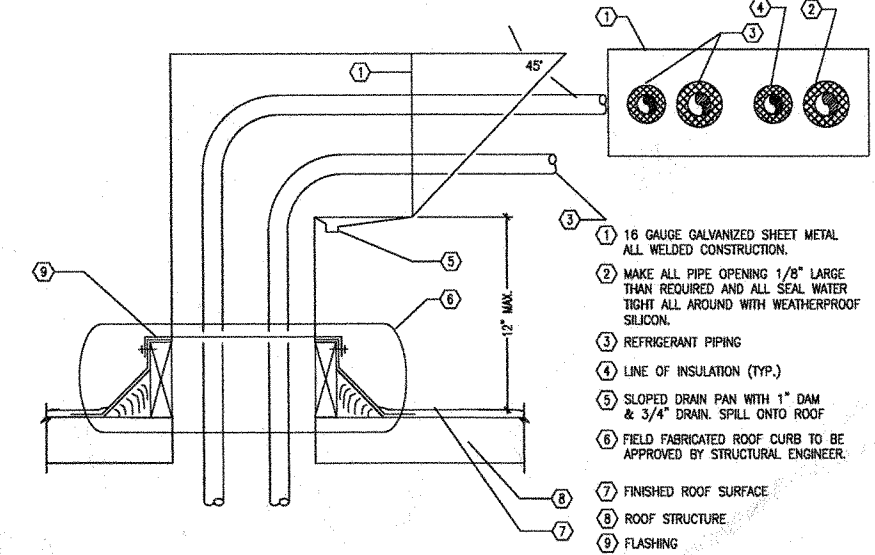
7 TYPICAL HORIZONTAL ROUND DUCT SUPPORTS
SCALE: NONE



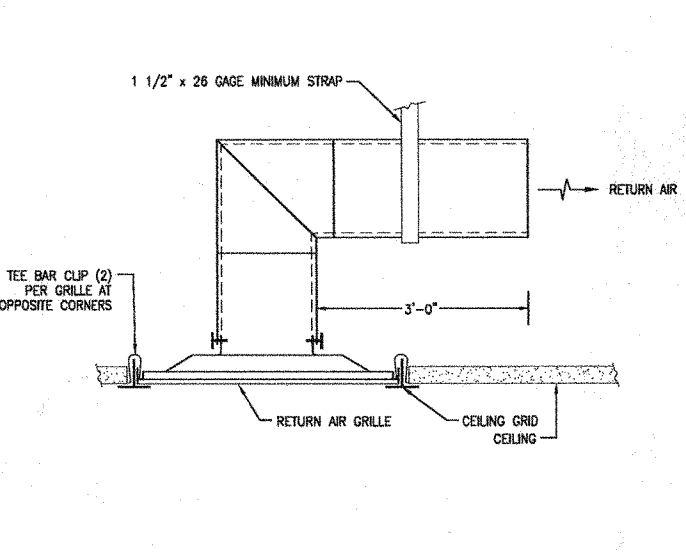
4 DIFFUSER CONNECTION DETAIL
SCALE: NONE



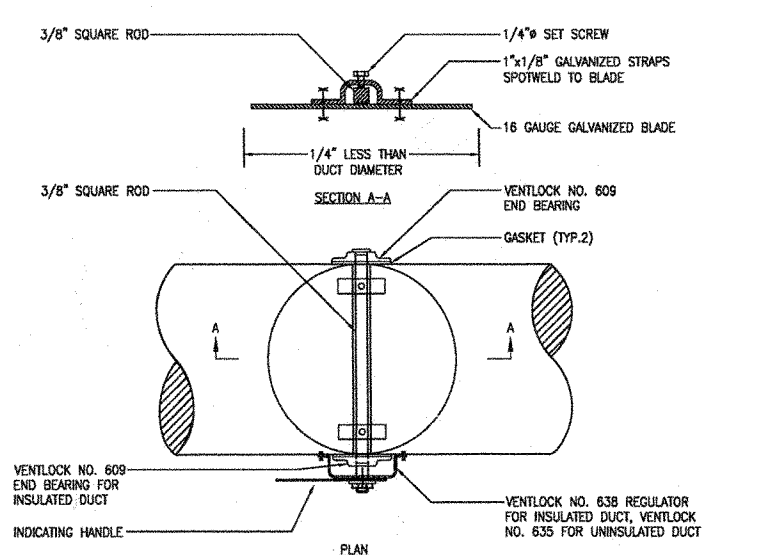
1 HOT WATER HEATING COIL - ONE HIGH
SCALE: NONE



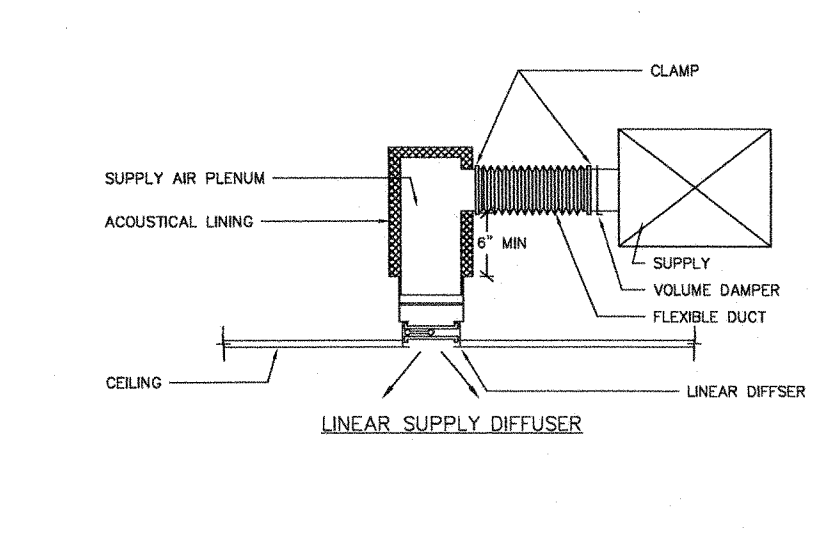
11 REFRIGERANT PIPING ROOF PENETRATION
SCALE: NONE



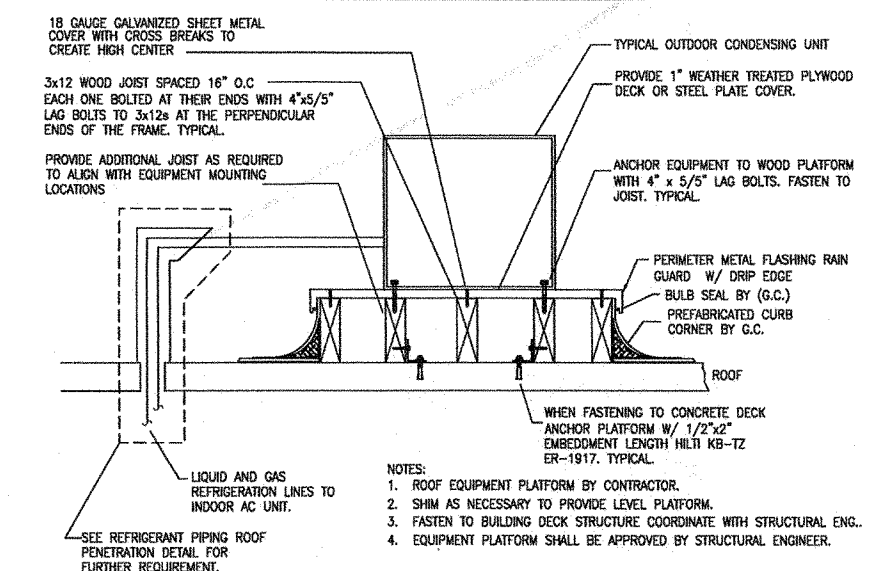
8 RETURN AIR SOUND BOOT DETAIL
SCALE: NONE



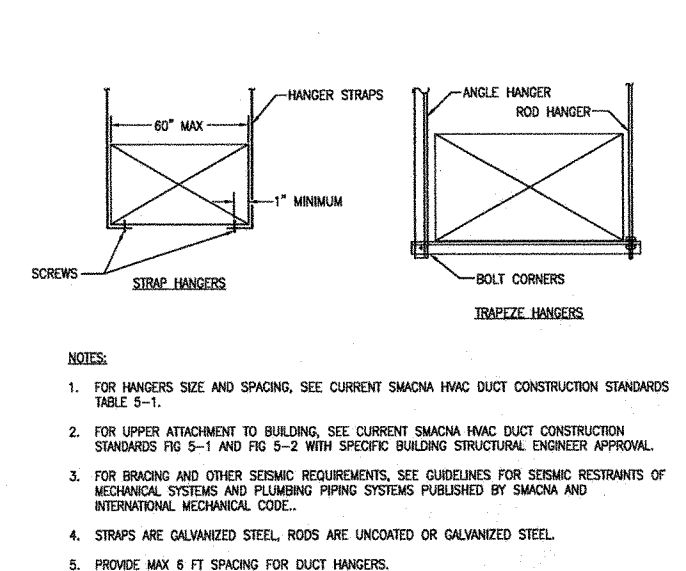
5 ROUND VOLUME DAMPER LOW PRESSURE UP TO 14\"/>



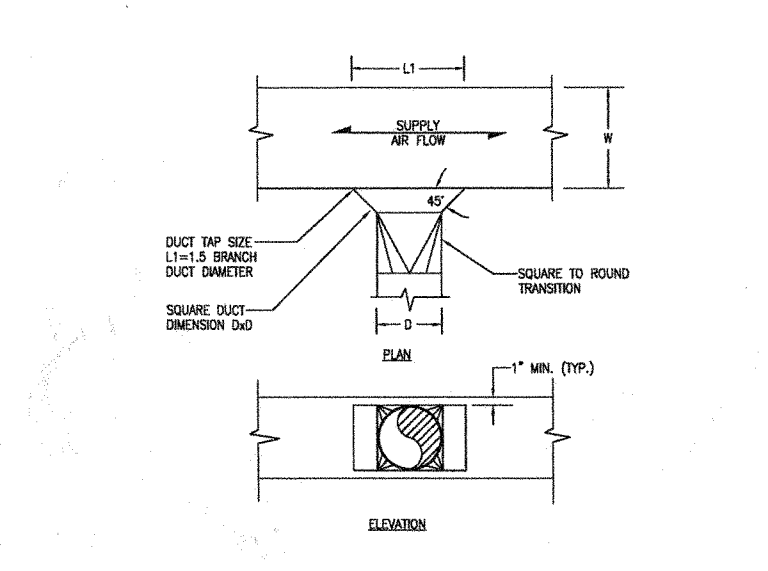
2 LINEAR DIFFUSER DETAIL
SCALE: NONE



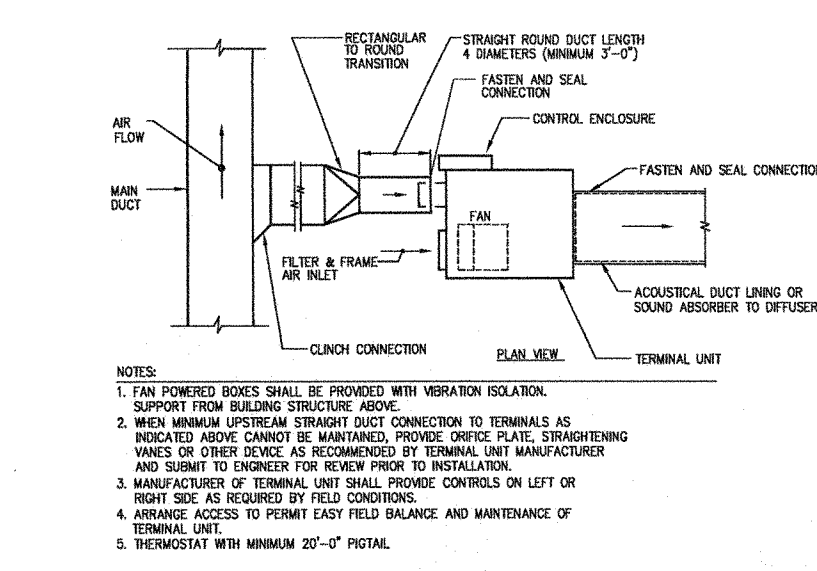
12 CONDENSER ROOF MOUNTING DETAIL
SCALE: NONE



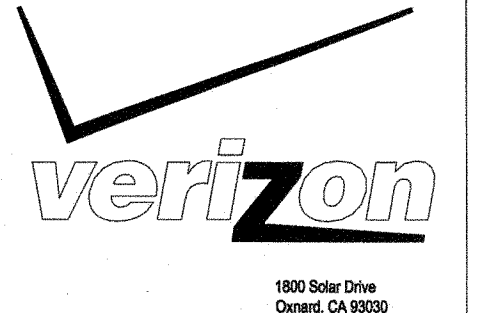
9 TYPICAL HORIZONTAL RECTANGULAR DUCT SUPPORTS
SCALE: NONE



6 RECTANGULAR TO ROUND BRANCH TAP
SCALE: NONE



3 FAN POWERED TERMINAL UNIT INSTALLATION (PLAN VIEW)
SCALE: NONE



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile: 212.492.1472



Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/13/12		
	ISSUE FOR CONSTRUCTION		
2	08/27/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/2012		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

CAD File Name
P:\LADCF\VZCOX000\Drawings\Sheets\M-501-VZCOX000.dwg

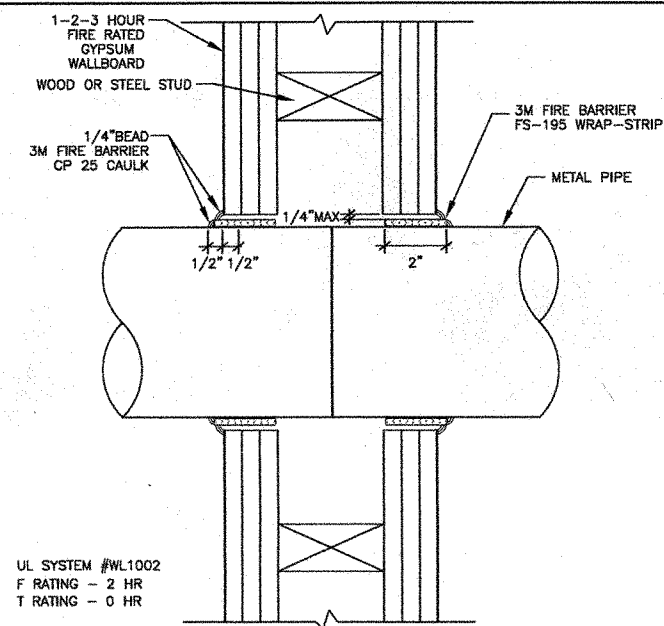
Description
MECHANICAL DETAILS

Scale
NONE

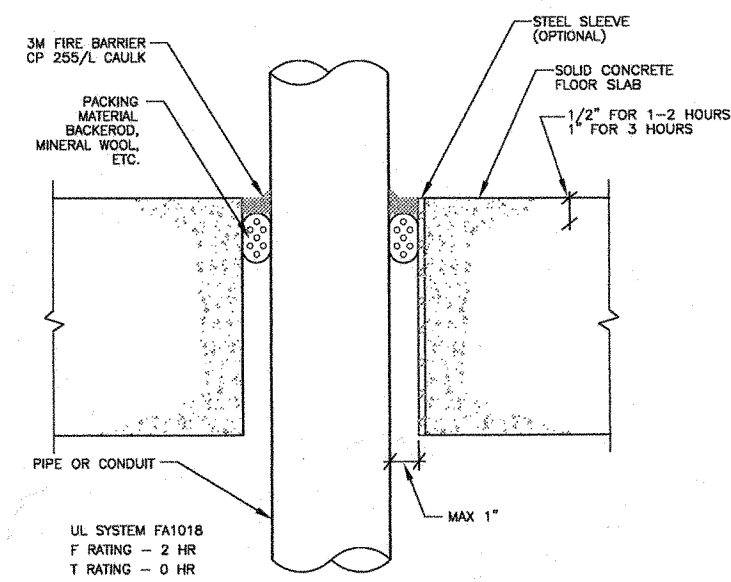
M-501

02/13 Gensler

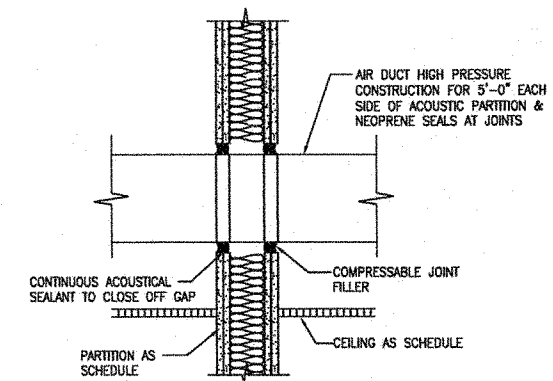
The corner 60' marks represent the 30"x40" plot area.



4 FIREPROFFING THRU GYPSUM WALL
SCALE: NONE

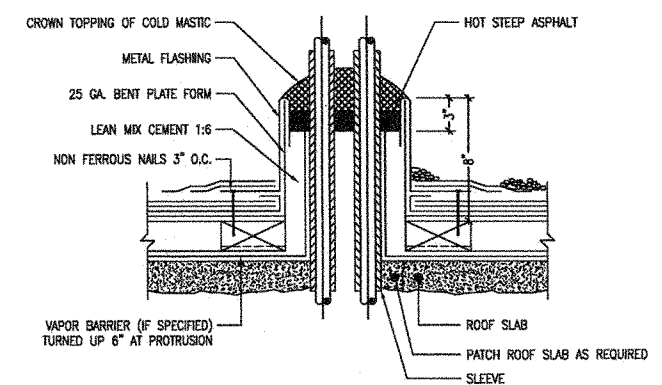


5 FIREPROFFING THRU CONCRETE SLAB
SCALE: NONE



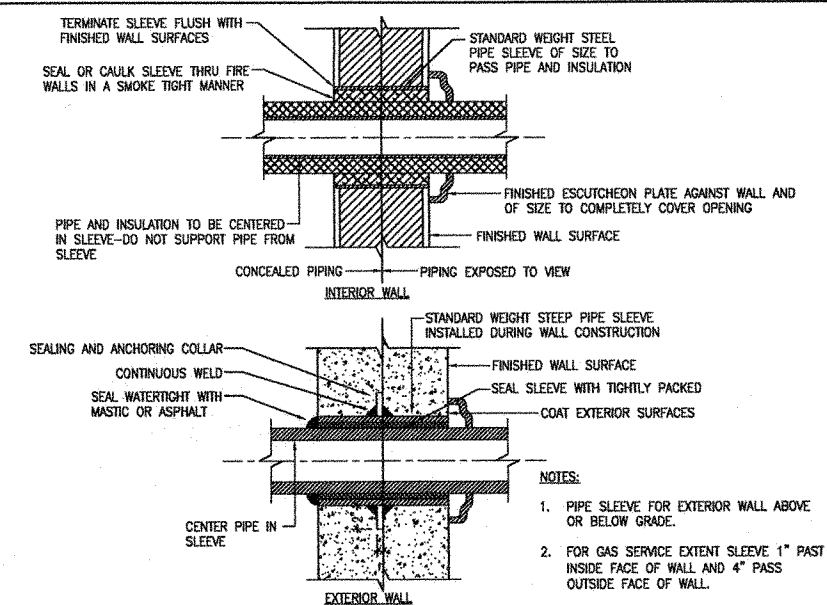
NOTES:
1. PENETRATION OF ACOUSTICAL PARTITIONS BY DUCTWORK SHALL BE ACOUSTICALLY SEALED AS SHOWN. ANY GAP LARGER THAN 1/2\"/>

1 DUCT PENETRATION OF ACOUSTIC PARTITION
SCALE: NONE



NOTE:
SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR THE ROOF CONSTRUCTION.

2 PIPING THROUGH ROOF DETAIL
SCALE: NONE



NOTES:
1. PIPE SLEEVE FOR EXTERIOR WALL ABOVE OR BELOW GRADE.
2. FOR GAS SERVICE EXIST SLEEVE 1\"/>

3 PIPE SLEEVE THRU WALL
SCALE: NONE



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler



SYSKA HENNESSY GROUP

A member company of JH Group, Inc.
Syska Hennessy Group, Inc.
600 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/13/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Scale/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

Lead File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\M-502-VZCOX000.dwg

Description
MECHANICAL DETAILS

Scale
NONE

M-502



True North
Ref North

©2013 Gensler

AIR COOLED AC UNIT (EVAPORATOR) SCHEDULE																				
UNIT NO.	SERVICE	LOCATION	REFRIGERANT	EVAPORATOR FAN				DX COIL				FILTER	ELECTRIC DATA		DIMENSIONAL DATA		BASIS OF DESIGN		REMARKS	
				CFM	ESP (IN WG)	MOTOR		CAPACITY		EAT			TYPE	VPHHZ	FLAMCA	LxWxH (IN)	WEIGHT (LB)	MANUFACTURER		MODEL NO.
						HP	RPM	TOTAL	SENSIBLE	DB °F	RH %									
AC-1N	IDF ROOM	1ST FLOOR NORTH	R-410A	775	-	-	-	24000	-	75	40	-	208/180	1/0.36	46 x 12 x 14	46	MTSUSHI	PKA-A28K44	NOTE 1	
AC-2N	IDF ROOM	2ND FLOOR NORTH	R-410A	920	-	-	-	34200	-	75	40	-	208/180	1/0.57	46 x 12 x 14	46	MTSUSHI	PKA-A38K44	NOTE 1	
AC-2S	IDF ROOM	2ND FLOOR SOUTH	R-410A	920	-	-	-	34200	-	75	40	-	208/180	1/0.57	46 x 12 x 14	46	MTSUSHI	PKA-A38K44	NOTE 1	

NOTES:
1. PROVIDE FACTORY OPTIONAL CONDENSATE PUMP, PRIMARY PAN FLOAT SWITCH, AND PROGRAMMABLE THERMOSTAT.

AIR COOLED CONDENSING UNIT SCHEDULE																			
UNIT NO.	SERVICE	LOCATION	REFRIGERANT	NOMINAL CAPACITY (TONS)	AMBIENT AIR TEMP. (°F)	CONDENSER FAN (S)		COMPRESSOR (S)		ELECTRIC DATA		DIMENSIONAL DATA		VIBRATION ISOLATION		BASIS OF DESIGN		REMARKS	
						TYPE	QTY.	NO.	TYPE	VPHHZ	MCA / MOCP	LxWxH (IN)	WEIGHT (LB)	SPECIFICATION		MANUFACTURER	MODEL NO.		
														MOUNTING TYPE	BASE TYPE				
CU-1N	AC-1N	ROOF	R-410A	2	95	PROPELLE R	1	-	SCROLL	208/180	18/30	37 x 13 x 37	163	NEOPRENE PAD	ROOF PLATFORM	0.25	MTSUSHI	PXY-A24NH44-BS	-
CU-2N	AC-2N	ROOF	R-410A	3	95	PROPELLE R	1	-	SCROLL	208/180	25/40	37 x 13 x 37	163	NEOPRENE PAD	ROOF PLATFORM	0.25	MTSUSHI	PXY-A36NH44-BS	-
CU-2S	AC-2S	ROOF	R-410A	3	95	PROPELLE R	1	-	SCROLL	208/180	25/40	37 x 13 x 37	163	NEOPRENE PAD	ROOF PLATFORM	0.25	MTSUSHI	PXY-A36NH44-BS	-

NOTES:
1.

VAV BOX SCHEDULE																
UNIT NO.	AHU NO.	COOLING CFM		HEATING CFM		ELECTRIC HEAT			NC	INLET DIAM. (IN)	BASIS OF DESIGN		REMARKS			
		MAX.	MIN.	MAX.	MIN.	EAT/LAT (°F)	KW	NO. STAGES			VPHHZ	DISCHARGE		RADIATED	MANUFACTURER	MODEL NO.
(E) VAV-1-20	1	2190	1140	-	-	-	-	-	-	14	EXISTING	-	NOTE 3			
VAV-1-24	1	840	250	-	-	-	-	-	-	10	PRICE	SPV	NEW NOTES			
(E) VAV-2-26	2	960	290	-	-	-	-	-	-	10	EXISTING	-	NOTE 3			
VAV-2-27	2	500	150	-	-	-	-	-	-	8	PRICE	SPV	NEW NOTES			
VAV-3-28	2	400	120	-	-	-	-	-	-	6	PRICE	SPV	NEW NOTES			
VAV-2-29	2	500	150	-	-	-	-	-	-	8	PRICE	SPV	NEW NOTES			
(E) VAV-3-22	3	1000	300	-	-	-	-	-	-	10	EXISTING	-	NOTE 3			
VAV-3-25	3	500	150	-	-	-	-	-	-	8	PRICE	SPV	NEW NOTES			
VAV-3-26	3	500	150	-	-	-	-	-	-	8	PRICE	SPV	NEW NOTES			
VAV-3-27	3	400	120	-	-	-	-	-	-	6	PRICE	SPV	NEW NOTES			

NOTES:
1. NEW VAV BOX SHALL BE PRICE MODEL SPV, PRESSURE INDEPENDENT TYPE WITH INTEGRAL SOUND ATTENUATOR.
2. PROVIDE NEW VAV BOX WITH PNEUMATIC CONTROLS AND THERMOSTAT TO MATCH BUILDING STANDARD.
3. REBALANCE ALL VAV BOX TO CFM AS SHOWN.

PARALLEL FAN POWERED TERMINAL SCHEDULE (HOT WATER)																
UNIT NO.	AHU NO.	INLET DIA.	PRIMARY AIR FAN (CFM)		NC	DOWNSTREAM SP (IN H2O)	FAN DATA			HOT WATER REHEAT		BASIS OF DESIGN		REMARKS		
			MAX.	MIN.			DISCHARGE	RADIATED	CFM	HP	V / PH	GPM	NO. ROWS		EAT/LAT (°F)	EWTLAW (°F)
(E) FPB-1-1	1	10	1060	500	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-1-2	1	10	960	295	-	0.5	390	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-1-3	1	12	1410	425	-	0.5	600	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-2-1	2	10	1280	385	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-2-2	2	10	960	290	-	0.5	400	-	120 / 1	1	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-2-3	2	10	1060	300	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-2-7	2	8	700	210	-	0.5	250	-	120 / 1	1	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-2-6	2	10	1200	360	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-2-9	2	10	1200	360	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-3-1	3	10	1280	385	-	0.5	450	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-3-2	3	10	960	290	-	0.5	400	-	120 / 1	1	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-3-3	3	12	1410	425	-	0.5	600	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-3-7	3	10	660	230	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1
(E) FPB-3-8	3	10	1320	400	-	0.5	400	-	120 / 1	2	-	55/95	180/160	EXISTING	-	NOTE 1

NOTES:
1. REBALANCE ALL FAN POWERED BOX TO CFM AS SHOWN.
2. PROVIDE FAN POWERED BOX WITH DISCONNECT AND ECM FAN.
3. NEW FPB SHALL BE PRICE MODEL FPV, PRESSURE INDEPENDENT TYPE, WITH HOT WATER COOLS, RETURN AIR FILTER.

BRANCH DUCT SCHEDULE						
CFM	ROUND DUCT (IN)	RECTANGULAR DUCT (IN)				
		W x 4	W x 6	W x 8	W x 10	W x 14
UP TO 120	6	8	6	X	X	X
120 - 150	8	10	8	X	X	X
151 - 240	8	16	10	8	X	X
241 - 320	10	X	12	10	X	X
321 - 420	10	X	16	12	10	X
421 - 500	12	X	X	14	10	X
501 - 660	12	X	X	16	12	X
661 - 850	14	X	X	20	14	X
851 - 1000	14	X	X	22	16	X
1001 - 1200	16	X	X	26	20	14
1201 - 1400	16	X	X	30	24	16
1401 - 1700	X	X	X	34	26	18

NOTES:
1. THIS SCHEDULE APPLIES TO BRANCH DUCT TO INDIVIDUAL DIFFUSERS THAT ARE NOT SIZED ON PLANS.
2. APPLICABLE FOR LOW PRESSURE DUCT WORK ONLY (<2" WG).
3. "W" INDICATED IN THE SCHEDULE IS DUCT WIDTH.

DIFFUSER SCHEDULE									
MARK NO.	TYPE	CFM RANGE	MAX. SP (IN)	FRAME SIZE	NECK SIZE	MAX. N.C.	REMARKS		
CD-1	CEILING DIFFUSER	0 - 130	0.10	24 X 24	6" Ø	30	PRICE ASM SERIES ADJUSTA SLOT, MODULAR, 1" SLOT WIDTH		
CD-2	CEILING DIFFUSER	131 - 200	0.10	24 X 24	8" Ø	30	PRICE ASM SERIES ADJUSTA SLOT, MODULAR, 1" SLOT WIDTH		
CD-3	CEILING DIFFUSER	201 - 250	0.15	24 X 24	10" Ø	30	PRICE ASM SERIES ADJUSTA SLOT, MODULAR, 1" SLOT WIDTH		
CD-4	CEILING DIFFUSER	0 - 130	0.10	24 X 24	6 X 6	30	PRICE SPD SQUARE PLAQUE DIFFUSER		
CD-5	CEILING DIFFUSER	131 - 255	0.10	24 X 24	8 X 8	30	PRICE SPD SQUARE PLAQUE DIFFUSER		
CD-6	CEILING DIFFUSER	226 - 350	0.10	24 X 24	10 X 10	30	PRICE SPD SQUARE PLAQUE DIFFUSER		
CD-7	CEILING DIFFUSER	351 - 450	0.10	24 X 24	12 X 12	30	PRICE SPD SQUARE PLAQUE DIFFUSER		
CD-8	CEILING DIFFUSER	451 - 550	0.10	24 X 24	14 X 14	30	PRICE SPD SQUARE PLAQUE DIFFUSER		
CR / EG-1	CEILING GRILLE	0 - 2000	0.10	24 X 24	24 X 24	30	PRICE PDDR - PERFORATED RETURN		
CR / EG-2	CEILING GRILLE	0 - 200	0.10	24 X 24	8 X 8	30	PRICE PDDR - DUCTED PERFORATED RETURN		
CR / EG-3	CEILING GRILLE	226 - 350	0.10	24 X 24	10 X 10	30	PRICE PDDR - DUCTED PERFORATED RETURN		
CR / EG-4	CEILING GRILLE	351 - 450	0.10	24 X 24	12 X 12	30	PRICE PDDR - DUCTED PERFORATED RETURN		
CR / EG-5	CEILING GRILLE	451 - 550	0.10	24 X 24	14 X 14	30	PRICE PDDR - DUCTED PERFORATED RETURN		
CR / EG-6	CEILING GRILLE	551 - 700	0.10	24 X 24	16 X 16	30	PRICE PDDR - DUCTED PERFORATED RETURN		
CR / EG-7	CEILING GRILLE	701 - 900	0.10	24 X 24	18 X 18	30	PRICE PDDR - DUCTED PERFORATED RETURN		
CR / EG-8	CEILING GRILLE	901 - 1600	0.10	24 X 24	22 X 22	30	PRICE PDDR - DUCTED PERFORATED RETURN		
LSD-1	LINEAR SUPPLY	80 CFM / LINEAR FOOT	0.10	SEE PLAN	12" Ø	30	PRICE FLOW LINEAR AS SERIES 4 FEET SUPPLY PLENUM, 1.5" SLOT WIDTH, 2 SLOT		
LED-1	LINEAR SUPPLY	80 CFM / LINEAR FOOT	0.10	SEE PLAN	12" Ø	30	PRICE FLOW LINEAR AS SERIES 4 FEET SUPPLY PLENUM, 1.5" SLOT WIDTH, 2 SLOT		
LSD-1	LINEAR RETURN	-	0.10	SEE PLAN	-	30	PRICE FLOW LINEAR AS SERIES 1.5" SLOT WIDTH, 2 SLOT		

NOTES:
1. COORDINATE FRAME STYLE WITH CEILING GRID.
2. OBTAIN ARCHITECT'S APPROVAL FOR FINISH.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
A member company of SH Group, Inc.
650 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.453.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
1	08/01/12		
2	09/12/12		
3	10/09/12		
4	10/23/12		
5	11/19/12		
6	02/21/13		

Project Name
VERIZON V.I.P.

Project Number
VZCOX000

Lead File Name
P:\AOC\FVZCOX000\Drawings\Sheets\M-701-VZCOX000.dwg

Description
MECHANICAL SCHEDULES

Scale
NONE

North
True North

M-701

©2013 Gensler

SPECIFICATIONS

PART 1

GENERAL

1.01 DESCRIPTION

A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES, WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL," "SHALL BE," "FURNISH," "PROVIDE," "A," "ALL," "THE," AND "ALL" HAVE BEEN OMITTED FOR BREVITY.

B. DRAWINGS ARE DIMENSIONAL AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, MAINTAIN HEADROOM AND SPACE CONDITIONS.

C. DEFINITIONS:

- 1. "TURNISH" OR "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION OF PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
2. "INSTALL" TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.
3. "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
4. "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
5. "WIRING": RACEWAY, FITTINGS, WIRE, BOXES AND RELATED ITEMS.
6. "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN CURVED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES, IN CRAWL SPACES OR IN ENCLOSURES.
7. "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.
8. "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.

1.02 JOB CONDITIONS

- A. CONNECTIONS TO EXISTING WORK:
1. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.
2. TEMPORARY SHUTDOWNS OF EXISTING SERVICES:
a. AT NO ADDITIONAL CHARGES.
b. AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES.
c. ONLY WITH WRITTEN CONSENT OF UNIVERSITY.
3. ALARM AND EMERGENCY SYSTEMS: NOT TO BE INTERRUPTED.
4. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK.
5. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL WORKING CONDITION INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.

B. DEMOLITION:

- 1. REMOVE ALL UNUSED CONDUITS AND WIRING, SWITCHES, RECEPTACLES, LIGHT FIXTURES, ETC., WHERE CEILING, CEILING TILES OR WALLS ARE BEING DEMOLISHED EXCEPT AS FOLLOWS: WHERE WALLS AND CEILINGS ARE REMAIN, MAINTAIN EXISTING CONDUIT, WIRING AND BOXES SERVING ALL ELECTRICAL EQUIPMENT, OUTLETS AND SWITCHES IN THESE AREAS. REMOVE ALL POWER WIRING BACK TO ITS CHECKPOINT DEVICE AND MARK CIRCUIT BREAKERS AS "SPARE". INSTALL BLANK COVERS ON ALL BOXES. REFER TO DRAWINGS FOR ADDITIONAL REQUIREMENTS AND OTHER SPECIFIC OPERABLE SYSTEM IS NOT REMOVED.
2. COORDINATE ALL DEMOLITION WORK WITH NEW REQUIREMENTS TO ASSURE THAT EXISTING EQUIPMENT, WIRING, ETC., THAT IS REQUIRED FOR A COMPLETE INSTALLATION IS TO REMAIN.
3. ALL EXISTING ELECTRICAL EQUIPMENT AND CONDUITS THAT INTERFERE WITH ANY NEW CONSTRUCTION SHALL BE RELOCATED OR RE-ROUTED AS REQUIRED TO CLEAR THE NEW CONSTRUCTION. RECONNECT ALL EXISTING EQUIPMENT THAT ARE TO REMAIN AND NOT AFFECTED BY THE NEW CONSTRUCTION, TO THE NEWLY RELOCATED OR RE-ROUTED SYSTEM TO ENSURE A SAFE AND OPERATIONAL SYSTEM. ENSURE THE FINAL SYSTEM WILL FUNCTION IN A SAFE MANNER ACCEPTABLE TO AUTHORITIES.
4. ALL REMOVED MATERIAL AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE UNIVERSITY. DELIVER SUCH SALVAGED MATERIAL AND EQUIPMENT ON THE PREMISES AS DIRECTED BY THE UNIVERSITY, AND NEARLY FIVE OR MORE FEET AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DEPOSIT OF ALL MATERIAL CONSIDERED BY THE UNIVERSITY TO BE SCRAP. FOR EQUIPMENT SUCH AS BALLASTS, TRANSFORMERS, ETC., CONSIDERATION FOR OTHER MATERIAL CLASSIFIED AS HAZARDOUS PROVIDE CERTIFICATE OF DESTRUCTION.
5. UNLESS OTHERWISE NOTED, REMOVE ALL ELECTRICAL EQUIPMENT THAT ARE NOT TO BE REUSED WITHIN THE RENOVATED AREA, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
a. LIGHTING FIXTURES
b. WALL SWITCHES
c. FIRE ALARM DEVICES
d. RECEPTACLES
e. TELEPHONE OUTLETS
f. DATA OUTLETS
g. DISCONNECT SWITCHES
h. FDS OUTLETS

REFER TO ARCHITECTURAL DRAWINGS AND NOTES FOR ADDITIONAL REQUIREMENTS FOR THE DEMOLITION WORK WITHIN THIS AREA.

1.03 QUALITY ASSURANCE

- A. QUALITY AND GAUGES OF MATERIALS:
1. QUALITY OF MATERIALS:
a. NEW, BEST OF THEIR RESPECTIVE KINDS, FREE FROM DEFECTS AND LISTED BY UNDERWRITERS LABORATORIES, INC., OR BEARING THEIR LABEL.
b. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION: SAME MANUFACTURE, EXCEPT AS NOTED.
B. VOLTAGE CHARACTERISTICS:
1. DISTRIBUTION:
a. 480Y/277 VOLTS, 60 HERTZ WITH GROUNDING NEUTRAL.
b. 208Y/120 VOLTS, 60 HERTZ WITH GROUNDING NEUTRAL.
C. HEIGHTS OF OUTLETS:
1. FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS FOR:
a. RECEPTACLES AND TELEPHONES: GENERALLY: 1 FT. - 3 IN.
b. WALL SWITCHES: 3 FT. - 6 IN.
c. MOTOR CONTROLLERS: 5 FT. - 0 IN.
2. EXCEPTIONS:
a. AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS.
b. ON MOLDING OR BREAK IN WALL SURFACE.
c. IN VIOLATION OF CODE.
d. AS NOTED OR DIRECTED.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. MOVING OF EQUIPMENT: WHERE NECESSARY, SHIP IN CRATED SECTIONS OF SIZE TO PERMIT PASSING THROUGH AVAILABLE SPACES.
B. ACCESSIBILITY:
1. FOR OPERATION, MAINTENANCE AND REPAIR.
2. MINOR DEVIATIONS: PERMISSIBLE.
3. CHANGES OF MAGNITUDE OR INVOLVING EXTRA COST: NOT PERMISSIBLE WITHOUT REVIEW.
4. GROUP CONCEALED ELECTRICAL EQUIPMENT REQUIRING ACCESS WITH EQUIPMENT FREELY ACCESSIBLE THROUGH ACCESS DOORS.

1.05 SUBMITTALS

- A. SUBMIT SHOP DRAWINGS AND PRODUCT DATA IN ACCORDANCE WITH GENERAL REQUIREMENTS SPECIFIED IN ARCHITECTURAL SPECIFICATIONS, SUBMITTALS, OR PROVIDE SIX (6) COPIES OF SUBMITTAL MATERIAL WITH DESCRIPTIVE DATA FOR ALL PRODUCTS AND MATERIALS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING, PRIOR TO INSTALLATION. ALL SUBMITTALS SHALL BE IMPROVED TO INDICATE SPECIFIC PRODUCTS OR MATERIALS BEING USED.
1. E-METER AND ASSOCIATED COMPONENTS.
2. TRANSFORMER, UPS, AND PDU.
3. PANELBOARDS: DIMENSIONS, SCHEDULES AND CATALOG CUTS.
4. WALL SWITCHES
5. RECEPTACLES.
6. DEVICE PLATES.
7. POKE-THROUGHS.
8. LIFE SAFETY SYSTEM:
a. DESCRIPTIVE DATA FOR ALL PRODUCTS AND MATERIALS.
b. RECOMMENDED APPLICATION AND INSTALLATION METHODS, INCLUDING AREA COVERAGE FOR SMOKE DETECTORS.
c. INFORMATION AND DATA, SUCH AS DRAWINGS SHOWING DEVICE LOCATIONS AND TYPES, RISER DIAGRAMS, WIRING DIAGRAMS, APPROVALS, TEST DATA, ETC. REQUIRED BY LOCAL AUTHORITIES.
d. COMPLETE SHOP DRAWINGS OF ALL CUSTOM-FABRICATED OR ASSEMBLED PRODUCTS, INCLUDING WIRING DIAGRAMS.
e. DRAWINGS IDENTIFYING ALL TERMINALS AND ILLUSTRATING ALL DEVICE WIRING CONNECTIONS.

9. ONE SET OF AS-BUILT DRAWINGS AND TWO SETS OF PRINTS.

1.06 MAINTENANCE MANUALS AND AS-BUILT DRAWINGS

- A. PROVIDE FOUR (4) COPIES OF OPERATING AND MAINTENANCE MANUAL FOR UNIVERSITY'S USE FOR EACH PIECE OF EQUIPMENT. EACH ITEM SHALL BE CROSS-REFERENCED AND NUMBERED WITH AS-BUILT DRAWING DESCRIPTIONS.
B. AS-BUILT DRAWINGS: DELIVER TO UNIVERSITY ONE SET OF AS-BUILT AND TWO BOUND SETS OF RED-LINED AND PANEL SCHEDULES SHOWING WORK AS ACTUALLY INSTALLED AND AUTOCAD 2004 AS-BUILT DRAWINGS TO THE ENGINEER.

PART 2

PRODUCTS

2.01 GENERAL

- A. NAMEPLATES:
1. FASTENED WITH EPOXY CEMENT, ENGRAVED BLACK LAMCOC SHEET WITH 3/8 IN. WHITE LETTERING FOR UTILITY POWER, RED WITH WHITE LETTERS FOR EMERGENCY EQUIPMENT, BLUE WITH WHITE LETTERING FOR UPS, OR BUILDING STANDARD.
2. INSPECTION: SUBJECT TO REVIEW, INDICATING EQUIPMENT, AMPERAGE, VOLTAGE AND SOURCE.
3. PROVIDE FOR:
a. DISCONNECT SWITCHES.
b. CIRCUIT BREAKERS.
c. PANELS.
d. CABINETS.
e. MOTOR CONTROLLERS.
B. SUPPORTS:
1. SUPPORTS FROM BUILDING CONSTRUCTION: BEAM CLAMPS, STEEL FISHPLATES (IN CONCRETE FILL ONLY) OR CANTILEVER BRACKETS.
2. GROUPED LINES AND SERVICES: TRAPZIE HANGERS OR CHANNELS.
3. WHERE BUILDING CONSTRUCTION IS INADEQUATE: PROVIDE ADDITIONAL FRAMING.

2.02 MATERIALS

- A. RACEWAYS:
1. ELECTRICAL METALLIC TUBING (EMT): THIN WALL PIPE, GALVANIZED, THREADLESS.
2. RIGID STEEL CONDUIT: FULL WEIGHT PIPE, GALVANIZED, THREADED.
B. FITTINGS AND ACCESSORIES:
1. RACEWAY FITTINGS:
a. ELECTRICAL METALLIC TUBING: COMPRESSION, GALVANIZED RIGID STEEL, ELBOWS, 2 IN. OR LARGER.
b. FLEXIBLE METALLIC CONDUIT: ANGLE WEDGE TYPE WITH INSULATED THROAT.
c. BUSHINGS: METALLIC INSULATED TYPE.
C. BOXES:
1. OUTLET BOXES: EXCEPT AS OTHERWISE REQUIRED BY CONSTRUCTION, DEVICES OR WIRING.
a. STAMPED OR WELDED STEEL, 4 IN. SQUARE OR OCTAGON FOR:
o.a. LIGHTING FIXTURES: 1-1/2 IN. DEEP ABOVE CEILING, 2-1/8 IN. DEEP IN WALL.
o.b. IN WALL FOR TELEPHONE AND DATA: 2-1/8 IN. DEEP.
o.c. WITH HANGERS AND FUTURE STUDS WHERE REQUIRED.
o.d. THROUGH-THE-WALL TYPE: NOT PERMITTED, WITHOUT FUTURE OR SERVICE BLANK COVERS.
b. GALVANIZED CAST IRON OR ALUMINUM WITH THREADED HOLES: 4 INCH ROUND, 2 INCH DEEP ON CEILING, AND 4 INCH SQUARE, 2 INCH DEEP ON WALL.
c. BOXES WITHOUT FUTURE OR DEVICE: PROVIDE WITH BLANK COVER.
2. JUNCTION AND PULL BOXES:
a. GALVANIZED SHEET STEEL.
b. COVERS: SCREW-ON, EXCEPT AS NOTED.
c. WITH INSULATED SUPPORTS FOR CABLES.
d. LOCATION: AS NOTED OR REQUIRED AND ACCESSIBLE.
e. PROVIDE BARRIERS BETWEEN:
o.a. 480Y/277 VOLT WIRING ENERGIZED FROM SEPARATE SERVICES.
o.b. 208Y/120 VOLT AND 480Y/277 VOLT WIRING.
o.c. EMERGENCY AND NORMAL WIRING.
o.d. EMERGENCY SIGNALING AND PAGING SPEAKERS.
o.e. FLASHING STROBE.
o.f. CONDUIT, WIRING, OUTLETS, WIRES, ETC. REQUIRED TO PROVIDE POWER TO AND INTERCONNECT ALL COMPONENTS LISTED ABOVE.
D. WIRE AND CABLE:
1. CONDUCTORS:
a. ASTM STANDARD SOLID NO. 14 AND SMALLER, STRANDED NO. 12 AND LARGER.
o.a. TYPE: COPPER.
o.b. GENERAL USE:
o.o.a.a. NO. 12 MINIMUM.
o.o.a.b. AT 120 VOLTS AND OVER 100 FT. CIRCUIT LENGTH: NO. 10 MINIMUM.
o.o.a.c. AT 277 VOLTS AND OVER 200 FT. CIRCUIT LENGTH: NO. 10 MINIMUM.
o.o.a.d. CONTROL AND ALARM, EXCEPT AS NOTED: NO. 14 MINIMUM.
o.o.a.e. AT 120 VOLTS AND OVER 200 FT. CIRCUIT LENGTH: NO. 12 MINIMUM.
o.o.c. OTHER VOLTAGES AND PHASES: AS REQUIRED TO MAINTAIN VOLTAGE DROP. INCREASE WIRE SIZES FOR LARGER WIRE AS REQUIRED.
o.d. EMERGENCY AND NORMAL WIRING.
2. INSULATION:
a. THIN/THICK: FEEDERS AND BRANCH CIRCUITS EXCEPT AS NOTED.
b. SFF-2: BRANCH CIRCUITS LOCATED IN:
o.a. WIRING CHANNELS OF CONTINUOUS FLUORESCENT FIXTURES.
o.b. AMBIENT TEMPERATURES OVER 75 DEG. C.
o.c. COLOR COATING AS PER CODE. WHERE COLOR COATING IS UNAVAILABLE, CARRY IN WRITING AND REQUEST PERMISSION TO OVERLAP COLOR TAPING CONDUCTORS (MINIMUM LENGTH 6 IN.) IN ACCESSIBLE LOCATIONS.
d. 600 V INSULATION, INCLUDING CONTROL WIRING.
3. ACCESSORIES:
a. FLAMEPROOF LINEN OR FIBER IN ACCESSIBLE LOCATIONS.
b. FEEDERS: INDICATE FEEDER NUMBER, SIZE, PHASE AND POINTS OF ORIGIN AND TERMINATIONS.
c. CONTROL AND ALARM WIRING: INDICATE TYPE (CONTROL OR ALARM), SIZE OF WIRE, AND POINTS OF ORIGIN AND TERMINATIONS.
d. TERMINATIONS: SPICES AND TAPS UNDER 600 VOLTS:
o.a. COPPER CONDUCTORS NO. 10 AND SMALLER:

E. DEVICES:

- 1. LOCAL WALL SWITCHES:
a. NON-MODULAR LIGHTING SYSTEM:
o.a. HEAVY DUTY, TOGGLE, QUIET TYPE.
o.b. 20A, 120/277V, AC.
o.c. LEVITON DESIGN 9971W OR EQUAL TOGGLE TYPE, OR BUILDING STANDARD.
o.d. COLOR BY ARCHITECT.
o.e. FACEPLATE: BUILDING STANDARD SPECIFICATIONS GRADE.
o.f. TO MATCH BUILDING STANDARD.
b. HEAVY DUTY, TOGGLE, QUIET TYPE.
o.a. 20A, 120/277V, AC.
o.b. COLOR BY ARCHITECT.
o.c. FACEPLATE: BUILDING STANDARD SPECIFICATIONS GRADE.
o.d. TO MATCH BUILDING STANDARD.
2. INSERTION RECEPTACLES:
a. GROUNDED, EXCEPT AS NOTED. MEETING NEMA STANDARDS, PUBLICATION NO.1-1971.
b. EQUAL TO HUBBELL NOS. INDICATED OR BUILDING STANDARD.
c. DUPLEX CONVENIENCE.
o.a. FOR MULTI-OUTLET CIRCUITS, 125 VOLTS, 2 POLE, 3 WIRE, GROUNDED, 20 AMP, EQUAL TO NO. 5332.
o.b. FOR SEPARATE CIRCUITS, 125 VOLTS, 2 POLE, 3 WIRE, GROUNDED, 20 AMP, EQUAL TO NO. 5352.
d. SPECIAL USE: NON-INTERCHANGEABLE TYPES AND RATINGS.
e. COLOR: BY ARCHITECT.
f. TO MATCH BUILDING STANDARDS.
3. DEVICE FACILITIES:
a. BUILDING STANDARD SPECIFICATION GRADE.

F. LIGHTING FIXTURES:

- 1. ALL LIGHTING FIXTURES THAT ARE EXISTING SHALL BE CLEANED AND RELAMPED.
2. REPLACE BALLAST AS REQUIRED.
3. NEW EXIT SIGN (IF REQUIRED BY INSPECTOR) SHALL BE LITHONIA PRECISE SERIES GREEN LED WITH DUAL 277V INPUTS.
4. RELOCATE LIGHTING FIXTURES AS REQUIRED, VERIFY CEILING CONSTRUCTION.
5. ANY NEW LIGHTING FIXTURES SHALL BE BUILDING STANDARD OR AS DIRECTED BY ARCHITECT. VERIFY CEILING CONSTRUCTION.
H. FIRE ALARM SYSTEM:
1. PROVIDE FIRE ALARM SYSTEM DEVICES AND COMPONENTS NECESSARY FOR A COMPLETE SYSTEM AND CONNECT TO EXISTING BASE BUILDING SYSTEM. THE WORK SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
a. EMERGENCY SIGNALING AND PAGING SPEAKERS.
b. FLASHING STROBE.
c. CONDUIT, WIRING, OUTLETS, WIRES, ETC. REQUIRED TO PROVIDE POWER TO AND INTERCONNECT ALL COMPONENTS LISTED ABOVE.
2. THE ENTIRE INSTALLATION, INCLUDING MATERIALS AND EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING BUILDING EQUIPMENT AND MEET OR EXCEED THE MINIMUM STANDARDS AND REQUIREMENTS OF THE FOLLOWING:
a. UNDERWRITERS LABORATORIES, INC. LISTING SERVICE.
b. NFPA NATIONAL FIRE CODES.
c. UNIFORM BUILDING CODE AS ACCEPTED AND/OR MODIFIED BY LOCAL AUTHORITIES.
d. LOCAL CITY FIRE BUILDING CODE.
e. LOCAL CITY ELECTRICAL CODE.
3. ALL EQUIPMENT AND MATERIALS USED SHALL BE STANDARD COMPONENTS, REGULARLY MANUFACTURED AND OF THE SAME MANUFACTURE AS THE EXISTING BASE BUILDING STANDARDS.
4. SYSTEM SUPERVISION: PER BUILDING STANDARDS.
5. EMERGENCY SIGNALING: PER BUILDING STANDARDS.

EXECLUTION

3.01 INSTALLATION

A. GENERAL:

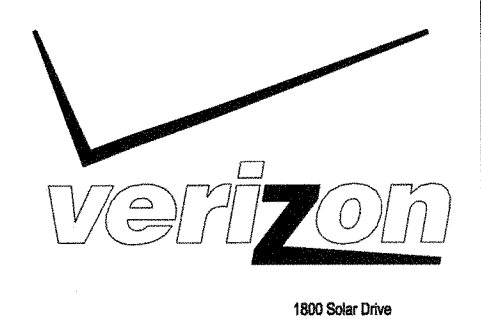
- 1. PAINTING:
a. PAINT:
o.a. BEST GRADE FOR ITS PURPOSE.
o.b. DELIVER IN ORIGINAL SEALED CONTAINERS.
o.c. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
o.d. COLORS: AS SELECTED BY ARCHITECT.
b. GALVANIZED IRON PRIMER: PANEL AND PULL BOXES, AFTER FABRICATION.
c. HOT DIPPED GALVANIZED OR DIPPED IN ZINC CHROMATE OUTLET BOXES, JUNCTION BOXES, CONDUIT HANGERS, RODS INSSETS AND SUPPORTS.
d. ZINC CHROMATE WITH FINISH TO MATCH SURROUNDINGS: MARKED SURFACES OF STEEL.

EQUIPMENT AND RACEWAYS.

- 2. CLEANING:
a. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE.
b. PAINTED EXPOSED WORK SOILED OR DAMAGED: CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE.
c. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.
3. CUTTING AND PATCHING: AS REQUIRED FOR NEW WORK.
B. RACEWAYS:
1. RUN CONCEALED, EXCEPT AS NOTED.
2. SUPPORTS:
a. CEILING TRAPZIE, STRAP HANGERS OR WALL BRACKETS.
b. U-BOLTS: AT EACH FLOOR LEVEL OF RISER RACEWAYS AND CONNECTED TO ACCEPTABLE SUPPORTS.
c. RISER CLAMPS: AT EACH FLOOR LEVEL OF RISER RACEWAYS AND RESTING ON SLAB.
d. SPACING:
o.a. MINIMUM 10 FT. ON CENTERS FOR METALLIC RACEWAY AND AS REQUIRED FOR NON-METALLIC RACEWAY.
o.b. 5 FT. ON CENTERS FOR WIREWAYS.
o.c. FOR CODE AND AS NOTED FOR OTHERS.
o.d. MOUNT SUPPORTS TO STRUCTURE WITH PERMITTED USES.
o.e. TIGER BELTS ON HOLLOW MASONRY.
o.f. PRIOR TO CONNECTING EQUIPMENT.
o.g. IN PRESENCE OF AUTHORIZED REPRESENTATIVES.
o.h. SUBMIT WRITTEN REPORT OF RESULTS.
o.i. CORRECT OR REPLACE CABLE RESTING BELOW MANUFACTURER'S STANDARDS.
D. PANELBOARDS:
1. BALANCE THE LOAD OVER PHASES WHEN NEW CIRCUITS ARE ADDED TO NEW OR EXISTING PANELS.
a. PROVIDE MULTI-CABLE LUGS WHERE REQUIRED.
2. PROVIDE NEW TYPEWRITEN DIRECTORY IN NEW PANELBOARDS.
3. UPDATE WITH NEW DIRECTORIES ON EXISTING PANELBOARDS WHERE CIRCUITING IS CHANGED.
4. TESTS: OPEN AND CLOSE LOAD BREAK SWITCHING DEVICES UNDER LOAD.
5. LIFE SAFETY SYSTEM:
1. INSTALLATION SHALL BE SUPERVISED AND TESTED BY THE MANUFACTURER OF THE SYSTEM EQUIPMENT. THE WORK SHALL BE PERFORMED BY SKILLED TECHNICIANS UNDER THE DIRECTION OF CERTIFIED ENGINEERS. ALL OF WHOM SHALL BE PROPERLY TRAINED AND QUALIFIED FOR THIS WORK.
2. SYSTEM SHALL BE INSTALLED WITH ALL CONDUITS, CONDUCTORS, OUTLET BOXES, FITTINGS, CONNECTORS AND ACCESSORIES NECESSARY TO ENSURE A COMPLETE, OPERABLE SYSTEM IN COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
o.a. CONDUIT: ALL CONDUIT AND ITS INSTALLATION SHALL BE IN ACCORDANCE WITH THESE SPECIFICATIONS.
b. WIRE AND CABLE: ALL WIRING SHALL BE INSTALLED IN METAL CONDUIT OR WITHIN EQUIPMENT. CONDUCTORS SHALL BE INSTALLED IN ACCORD WITH THIS SPECIFICATIONS. CONDUCTORS WITHIN EQUIPMENT ENCLOSURES SHALL BE CAREFULLY CABLED AND LAGED. THEY SHALL BE COLOR-CODED AND INDIVIDUAL CONDUCTORS SHALL BE TAGGED WITH E-2 CODE MARKERS INDICATING CIRCUIT NUMBER AND TYPE. MARKERS SHALL BE USED ON ALL CONDUCTORS AT EACH OUTLET OR PULL BOX AND AT EACH EQUIPMENT ENCLOSURE.
c. OUTLET PULL AND JUNCTION BOXES SHALL BE PAINTED RED ON THE EXTERIOR AND SHALL BE INSTALLED IN ACCORD WITH THIS SPECIFICATIONS.
d. END-OF-LINE RESISTORS FOR SPEAKER CIRCUITS SHALL BE INSTALLED IN FLOOR TERMINAL CABINETS.
e. LITIAL AND/OR TAPPED CONNECTION WILL NOT BE ALLOWED ON SUPERVISED CIRCUIT. CONNECTIONS SHALL BE MADE DIRECTLY TO AND FROM DEVICE TERMINAL SCREWS.
3. CONTRACTOR IS TO ENSURE THE EXISTING FIRE ALARM CONTROL PANEL WILL ACCOMMODATE THE NEW FIRE ALARM INITIATING DEVICES, SPEAKERS AND STROBE LIGHTS. MODIFY AND ADD NEW CONTROL MODULES IN EXISTING CONTROL PANELS AS REQUIRED.
4. ALL NEW AIR HANDLING EQUIPMENT SHALL BE SHUT DOWN VIA THE BUILDING FIRE ALARM PANEL UPON ACTIVATION OF ANY NEW DUCT DETECTORS DESCRIBED UNDER THIS SECTION OF WORK.
5. PROVIDE FIRE LIFE SAFETY DRAWINGS TO BUILDING OPERATIONS MANAGER. COORDINATE WITH BUILDING STAFF ALL THE LIFE SAFETY INSPECTORS PRIOR TO THEIR OCCURRENCE.
F. TELEPHONE/DATA AND FDS SYSTEMS:
1. PROVIDE CABLES AS INDICATED.
2. RUN CONDUIT FROM OUTLET INTO ACCESSIBLE HUNG CEILING.

VOLUME WHERE REQUIRED.

- 15. FIRE SEALANTS: PROVIDE FOR RACEWAYS AND WIRE PASSING THROUGH FLOOR SLOTS, SLEEVES OR OPENINGS IN FIRE-PARTITIONED ROOMS.
16. OUTDOOR INSTALLATION: RIGID STEEL CONDUIT EXCEPT AS NOTED; BELOW GRADE, WATERPROOF.
17. TESTS:
a. CONTINUITY:
o.a. TEST RESISTANCE OF FEEDER CONDUITS FROM SERVICE TO POINT OF FINAL DISTRIBUTION USING 1 CONDUCTOR RETURN.
o.b. MAXIMUM: 25 OHMS RESISTANCE.
C. WIRE AND CABLE:
1. 600 VOLT CABLE:
a. NOT MORE THAN THREE (3) LIGHTING OR CONDUIT OUTLET CIRCUITS IN 1 CONDUIT UNLESS OTHERWISE INDICATED.
b. SEPARATE RACEWAYS FOR CONDUCTORS OF 208Y/120 AND 480Y/277 VOLT SYSTEMS, EXCEPT 480 VOLT MOTOR BRANCH CIRCUIT WIRING AND RELATED 120 VOLT CONTROL WIRING.
2. TESTS:
a. CONTINUITY AND INSULATION TESTS:
o.a. 600 VOLTS: MEGGER.
o.b. 100 PERCENT OF FEEDERS.
o.c. 10 PERCENT OF BRANCH CIRCUITS.
b. PERFORM:
o.a. PRIOR TO CONNECTING EQUIPMENT.
o.b. IN PRESENCE OF AUTHORIZED REPRESENTATIVES.
o.c. SUBMIT WRITTEN REPORT OF RESULTS.
o.d. CORRECT OR REPLACE CABLE RESTING BELOW MANUFACTURER'S STANDARDS.
D. PANELBOARDS:
1. BALANCE THE LOAD OVER PHASES WHEN NEW CIRCUITS ARE ADDED TO NEW OR EXISTING PANELS.
a. PROVIDE MULTI-CABLE LUGS WHERE REQUIRED.
2. PROVIDE NEW TYPEWRITEN DIRECTORY IN NEW PANELBOARDS.
3. UPDATE WITH NEW DIRECTORIES ON EXISTING PANELBOARDS WHERE CIRCUITING IS CHANGED.
4. TESTS: OPEN AND CLOSE LOAD BREAK SWITCHING DEVICES UNDER LOAD.
5. LIFE SAFETY SYSTEM:
1. INSTALLATION SHALL BE SUPERVISED AND TESTED BY THE MANUFACTURER OF THE SYSTEM EQUIPMENT. THE WORK SHALL BE PERFORMED BY SKILLED TECHNICIANS UNDER THE DIRECTION OF CERTIFIED ENGINEERS. ALL OF WHOM SHALL BE PROPERLY TRAINED AND QUALIFIED FOR THIS WORK.
2. SYSTEM SHALL BE INSTALLED WITH ALL CONDUITS, CONDUCTORS, OUTLET BOXES, FITTINGS, CONNECTORS AND ACCESSORIES NECESSARY TO ENSURE A COMPLETE, OPERABLE SYSTEM IN COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
o.a. CONDUIT: ALL CONDUIT AND ITS INSTALLATION SHALL BE IN ACCORDANCE WITH THESE SPECIFICATIONS.
b. WIRE AND CABLE: ALL WIRING SHALL BE INSTALLED IN METAL CONDUIT OR WITHIN EQUIPMENT. CONDUCTORS SHALL BE INSTALLED IN ACCORD WITH THIS SPECIFICATIONS. CONDUCTORS WITHIN EQUIPMENT ENCLOSURES SHALL BE CAREFULLY CABLED AND LAGED. THEY SHALL BE COLOR-CODED AND INDIVIDUAL CONDUCTORS SHALL BE TAGGED WITH E-2 CODE MARKERS INDICATING CIRCUIT NUMBER AND TYPE. MARKERS SHALL BE USED ON ALL CONDUCTORS AT EACH OUTLET OR PULL BOX AND AT EACH EQUIPMENT ENCLOSURE.
c. OUTLET PULL AND JUNCTION BOXES SHALL BE PAINTED RED ON THE EXTERIOR AND SHALL BE INSTALLED IN ACCORD WITH THIS SPECIFICATIONS.
d. END-OF-LINE RESISTORS FOR SPEAKER CIRCUITS SHALL BE INSTALLED IN FLOOR TERMINAL CABINETS.
e. LITIAL AND/OR TAPPED CONNECTION WILL NOT BE ALLOWED ON SUPERVISED CIRCUIT. CONNECTIONS SHALL BE MADE DIRECTLY TO AND FROM DEVICE TERMINAL SCREWS.
3. CONTRACTOR IS TO ENSURE THE EXISTING FIRE ALARM CONTROL PANEL WILL ACCOMMODATE THE NEW FIRE ALARM INITIATING DEVICES, SPEAKERS AND STROBE LIGHTS. MODIFY AND ADD NEW CONTROL MODULES IN EXISTING CONTROL PANELS AS REQUIRED.
4. ALL NEW AIR HANDLING EQUIPMENT SHALL BE SHUT DOWN VIA THE BUILDING FIRE ALARM PANEL UPON ACTIVATION OF ANY NEW DUCT DETECTORS DESCRIBED UNDER THIS SECTION OF WORK.
5. PROVIDE FIRE LIFE SAFETY DRAWINGS TO BUILDING OPERATIONS MANAGER. COORDINATE WITH BUILDING STAFF ALL THE LIFE SAFETY INSPECTORS PRIOR TO THEIR OCCURRENCE.
F. TELEPHONE/DATA AND FDS SYSTEMS:
1. PROVIDE CABLES AS INDICATED.
2. RUN CONDUIT FROM OUTLET INTO ACCESSIBLE HUNG CEILING.



1800 Solar Drive
Oakland, CA 94600



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile: 212.492.1472



Syska Hennessy Group, Inc.
800 Corporate Plaza
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Table with 4 columns: Issue, Date & Issue Description, By, Check. Contains revision history for PLAN CHECK, ISSUE FOR CONSTRUCTION, BULLETIN 1, BULLETIN 2, BULLETIN 3, BULLETIN 4.

Contractor Signature

Project Name
VERIZON V.I.P.

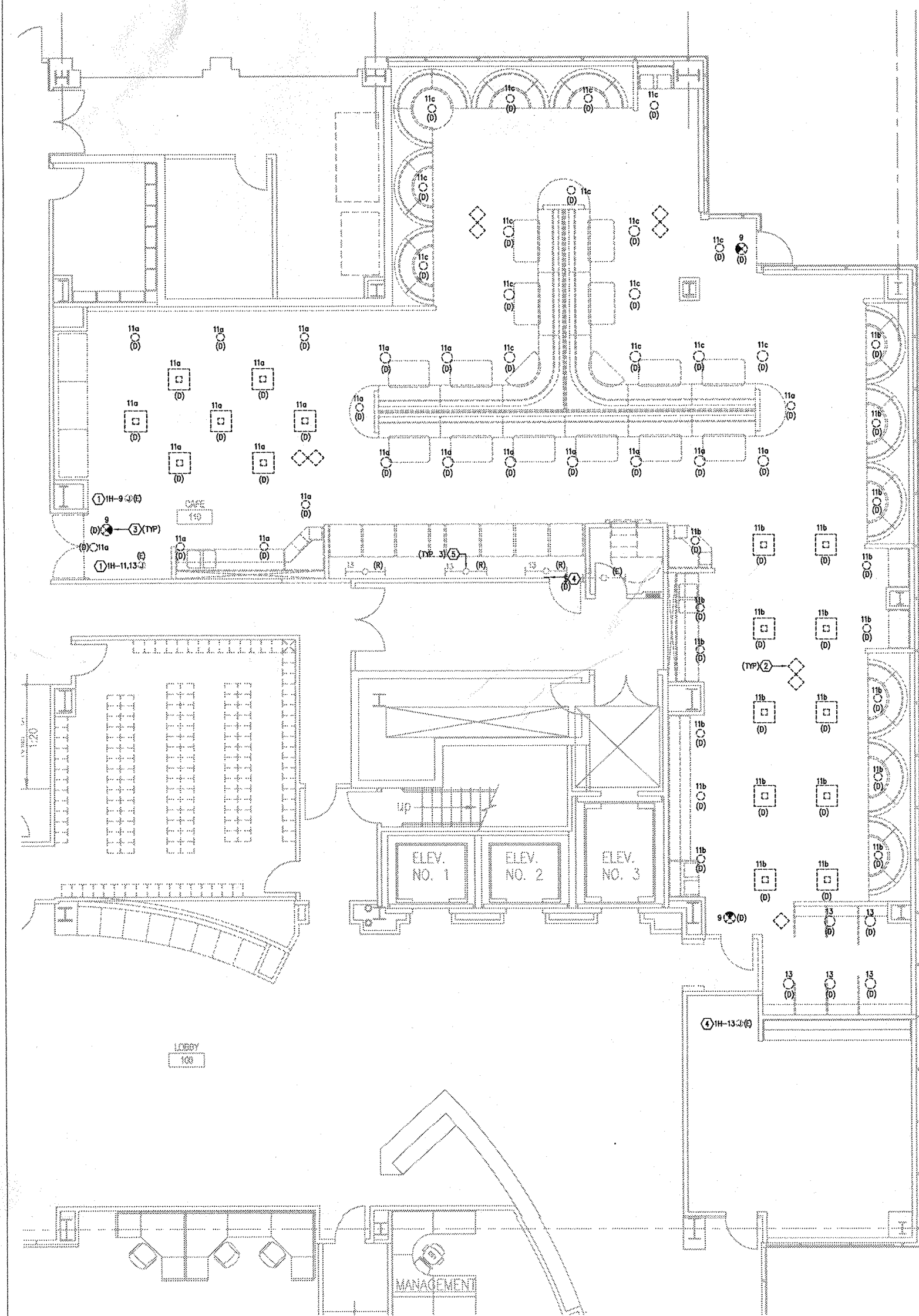
Project Number
VZCOX000
CAD File Name
P:\LADCFVZCOX000\Drawings\Sheets\E-002-VZCOX000.dwg

Description
SPECIFICATION

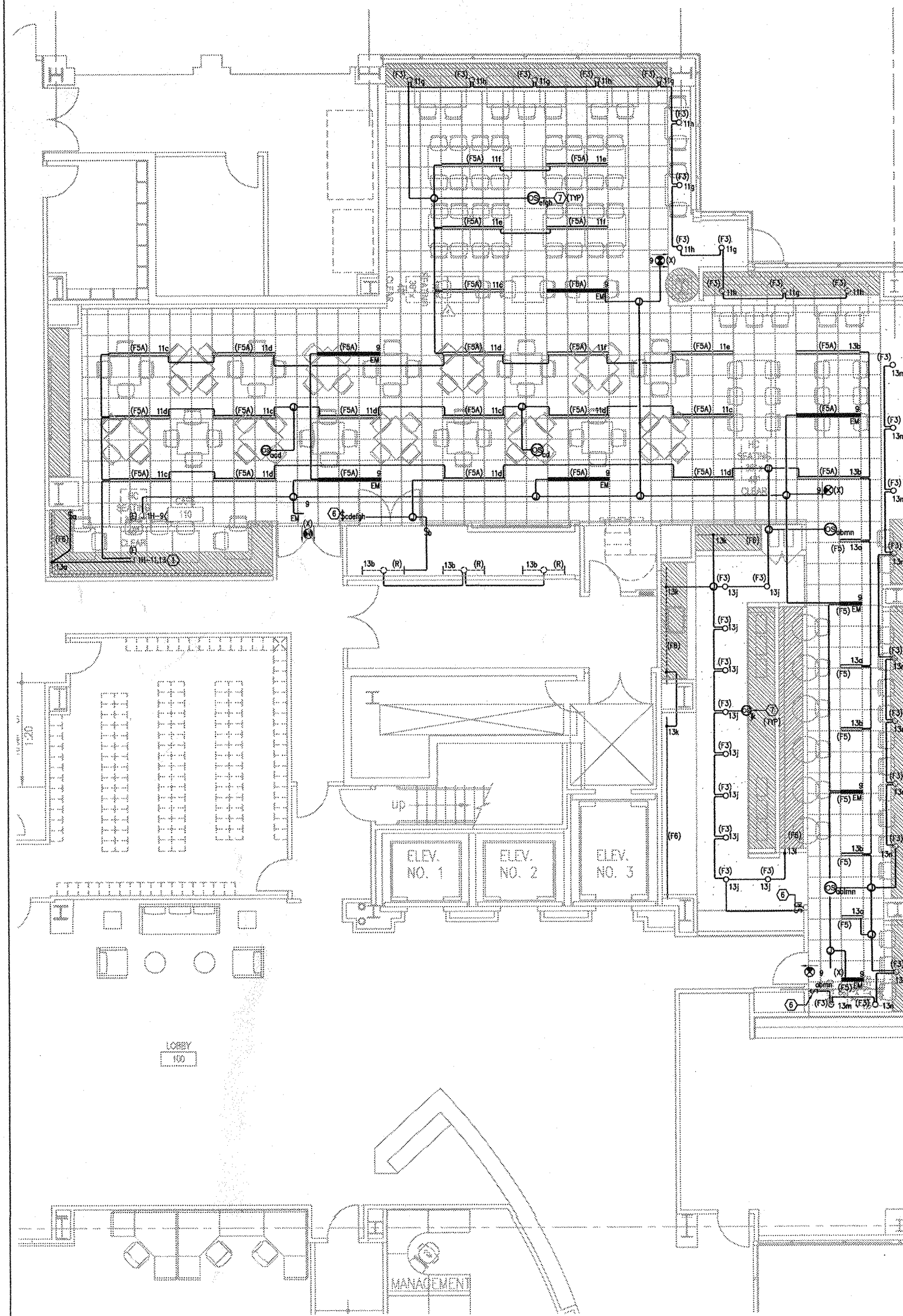
Scale
NONE

E-002

02/13 Gensler



1ST FLOOR - PARTIAL LIGHTING DEMOLITION PLAN



1ST FLOOR - PARTIAL LIGHTING PLAN

DEMOLITION NOTES

- CONTRACTOR IS RESPONSIBLE FOR ACTUAL CIRCUIT IDENTIFICATION. CIRCUIT IDENTIFICATION SHOWN ON THIS DRAWING IS INFORMATIONAL PURPOSES ONLY. ALL CIRCUITS MUST BE IDENTIFIED BEFORE REMOVAL. ALL DISCREPANCIES MUST BE REPORTED TO PROJECT MANAGER & SYSKA IMMEDIATELY.
- THIS PROJECT IS OF A COMPLEX NATURE. CONTRACTOR SHALL VISIT THE JOB SITE AND GET FAMILIAR WITH FIELD CONDITIONS. EXISTING CONDITIONS MAY VARY FROM WHAT SHOWN ON DRAWING. CONTRACTOR SHALL BRING TO ENGINEER'S ATTENTION ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND EXISTING DOCUMENTS.
- SEAL ALL EXPOSED FLOOR CORE HOLES. AFTER SETS MUST BE REMOVED AND HOLES TO BE SEALED BY APPROVED METHOD. COORDINATE PROCEDURE WITH PROJECT MANAGER.
- SEE ADDITIONAL RENOVATION NOTES ON DRAWING ED_1.
- ELECTRICAL CONTRACTOR TO PROVIDE COVER PLATES FOR ALL HOLES, OPENINGS, ETC. TO MATCH EXISTING.
- IN THE AREAS WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. IN CASE OF DOUBT, ASSUME THAT THE EXISTING ELECTRICAL WORK IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND REUSE AS FEASIBLE.
- UNLESS OTHERWISE NOTED, ALL DEVICES NOTED AS (D) ARE TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUITS/WIRING BACK TO SOURCE (DO NOT ABANDON).
- ALL LIGHTING FIXTURES NOTED AS (E) ARE EXISTING TO REMAIN. MAINTAIN OPERATION AND CIRCUITRY.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL DEVICES SHOWN AND ALSO VERIFY THE CIRCUIT RECONNECTION PRIOR TO COMMENCING DEMOLITION WORK.
- ALL EXISTING ELECTRICAL EQUIPMENT AND CONDUITS THAT INTERFERE WITH ANY NEW CONSTRUCTION SHALL BE REMOVED OR RE-ROUTED AS REQUIRED TO CLEAR THE NEW CONSTRUCTION. RECONNECT ALL EXISTING EQUIPMENT THAT ARE TO REMAIN AND NOT AFFECTED BY THE NEW WORK.
- FIRE ALARM CONTRACTOR SHALL REMOVE (REMOVE, RELOCATE, RETROFIT AND/OR PROVIDE NEW) ALL FIRE LIFE SAFETY SYSTEM DEVICES INCLUDING FIRE SPRINKLER HEAD TO MEET FIRE/LIFE SYSTEM SAFETY CODE. COORDINATE WITH ARCHITECT AND BUILDING DEPARTMENT FOR EXACT REQUIREMENTS.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT REQUIREMENTS OF DEMOLITION WORK.

SHEET NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND QUANTITY OF ALL LIGHTING FIXTURES.
- WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE.
- CONDUIT ROUTING AND LOCATION OF ALL J-BOXES ARE FOR REFERENCE ONLY. ALL OPENING AROUND CONDUITS PASSING THROUGH FIRE RATED WALL, CEILING, FLOORS, ETC. SHALL BE PACKED AND SEALED TO CONFORM WITH THE FIRE RATING OF THE PENETRATED.
- NO EQUIPMENT, J-BOXES ETC. REQUIRING ACCESS SHALL BE LOCATED IN THE HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). LOCATE ANY EXISTING EQUIPMENT, J-BOXES ETC. TO ACCESSIBLE CEILING AREAS.
- ROUTE CIRCUITS THRU BUILDING LIGHTING RELAY PANEL AND OCCUPANCY SENSOR, EXCEPT EGRESS LIGHTING.
- ALL JUNCTION BOXES, OUTLET BOXES, PULL BOXES AND ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK.
- CIRCUITS SHOWN USED ARE ASSUMED SERVING EXISTING LIGHTING LOAD. WHERE INDICATED ARE SERVING EXISTING TO REMAIN. CONTRACTOR TO MAINTAIN EXISTING CIRCUITING AND SWITCHING SCHEME, UNLESS OTHERWISE NOTED.
- ALL WORK SHOWN ARE NEW, UNLESS OTHERWISE NOTED.
- SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM SUSPENDED CEILING.
- ALIGN ALL WALL SWITCHES TO DOOR HARDWARE AND COORDINATE WITH THERMOSTAT LOCATIONS. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE J-BOX FOR INSTALLATION OF EACH ILLUMINATED EXIT SIGN.
- EMERGENCY LIGHTING REQUIREMENTS: PROVIDE 1 FOOT CANDLE MINIMUM ALONG EGRESS PATHWAY FOR EIC 1006-A.

KEY NOTES

- KEEP THE (E) J-BOX VIA INDICATED CIRCUITS OF EXISTING CONNECTIONS TO EXISTING TO REMAIN LIGHT FIXTURES LOCATED OUTSIDE THE AREA OF WORK. MAINTAIN EXISTING CIRCUITING, CONNECTIONS AND SWITCHING SCHEME OF EXISTING LIGHT FIXTURES.
- (E) OCCUPANCY SENSOR TO BE DEMOLISHED. REMOVE ALL EXISTING LIGHT FIXTURE WITH DENOTED "U" AND ASSOCIATED CONDUITS/WIRING BACK TO SOURCES.
- (E) LIGHT FIXTURES VIA UN-SWITCH CIRCUIT TO BE DEMOLISHED. REMOVE EXISTING CONNECTIONS TO NEAREST J-BOX. MAINTAIN EXISTING CIRCUIT FOR INSTALLATION OF BATTERY PACK EMERGENCY LIGHT FIXTURES SHOWN IN THE NEW CONSTRUCTION PLANS.
- REMOVE (E) SWITCH AND CONDUIT/WIRING TO THE NEAREST J-BOX. MAINTAIN EXISTING CIRCUITING FOR RECONNECTION TO RELOCATED FLUORESCENT LIGHT FIXTURES. SEE CONSTRUCTION PLANS FOR LOCATION OF NEW SWITCH.
- FIELD VERIFY AND RELOCATE (E) FLUORESCENT STRIP LIGHT FIXTURE TO NEW LOCATION. MAINTAIN EXISTING CIRCUITING AS REQUIRED.
- PROVIDE "WATTSOPPER" MOMENTARY OVERRIDE SWITCH WITH LED PLEDGE LIGHT. PROVIDE ALL NECESSARY POWER PACK AND HARDWARE/COMPONENTS FOR A COMPLETE OPERABLE SYSTEM.
- "WATTSOPPER" DUAL TECHNOLOGY CEILING MOUNTED SENSOR COMBINATION OF PASSIVE INFRARED AND ULTRASONIC TECHNOLOGY- D1 SERIES. PROVIDE WITH POWER PACK AND ALL ACCESSORIES TO ACCOMMODATE SWITCHING SCHEME SHOWN.



1800 Solar Drive
Oxnard, CA 93050



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, CA 90230
Tel: 310.372.2000
Fax: 310.472.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	09/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/22/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature

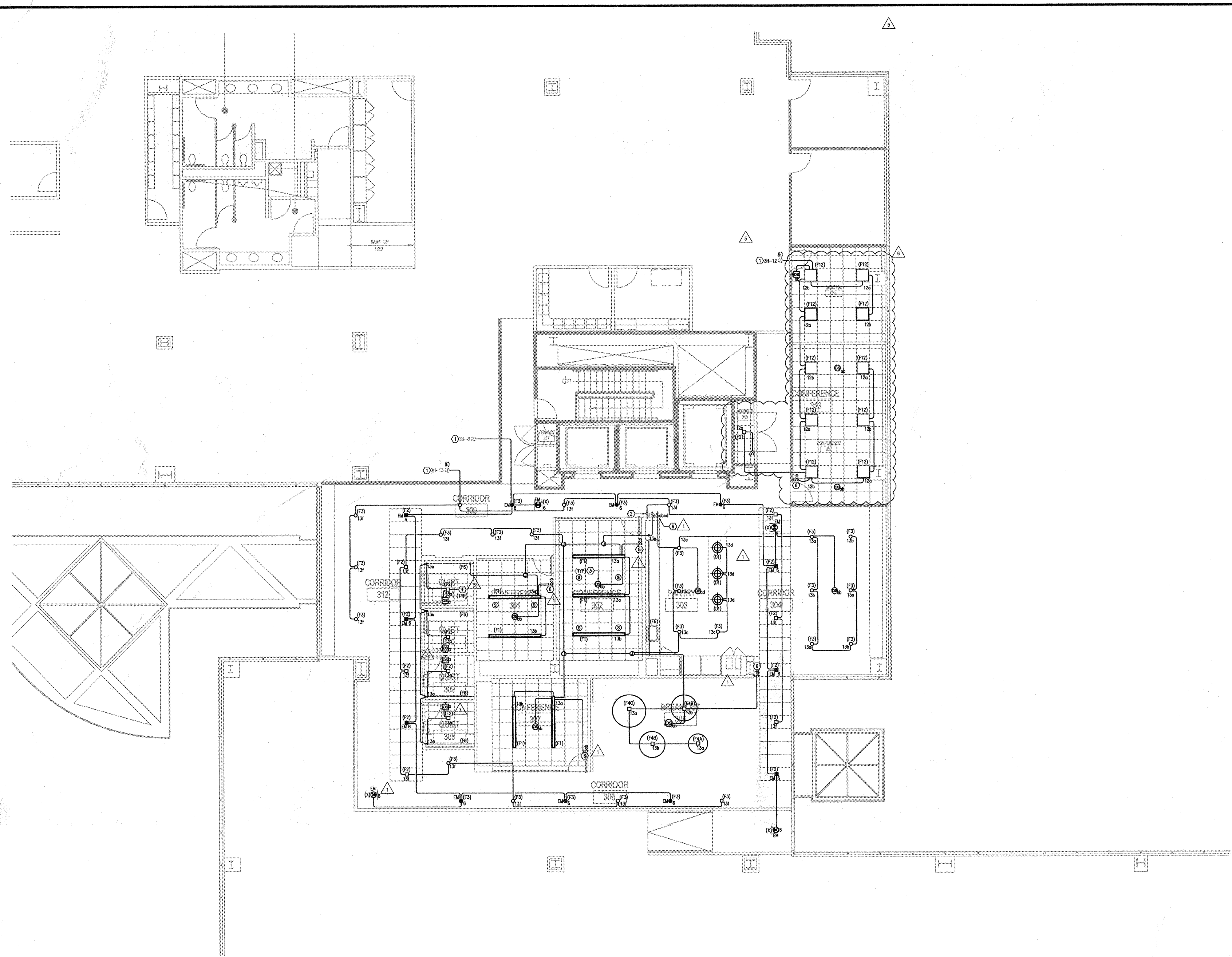
Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAO\CRVZCOX000\Drawings\Sheet\EL-401-VZCOX000.dwg
Description
1ST FLOOR PARTIAL DEMOLITION AND LIGHTING PLAN

Scale
3/16" = 1'-0"

EL-401

©2013 Gensler



SHEET NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND QUANTITY OF ALL LIGHTING FIXTURES.
2. WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE.
3. CONDUIT ROUTING AND LOCATION OF ALL J-BOXES ARE FOR REFERENCE ONLY. ALL OPENING AROUND CONDUITS PASSING THROUGH FIRE RATED WALL, CEILING, FLOORS, ETC. SHALL BE PACKED AND SEALED TO CONFORM WITH THE RATING OF THE PENETRATED.
4. NO EQUIPMENT, J-BOXES ETC. REQUIRING ACCESS SHALL BE LOCATED IN THE HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). LOCATE ANY EXISTING EQUIPMENT, J-BOXES ETC. TO ACCESSIBLE CEILING AREAS.
5. ROUTE CIRCUITS THRU BUILDING LIGHTING RELAY PANEL AND OCCUPANCY SENSOR, EXCEPT EGRESS LIGHTING.
6. ALL JUNCTION BOXES, OUTLETS BOXES, PULL BOXES AND ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK.
7. CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, RECEPTACLES, SWITCHES, ETC. AND MAKE FINAL CONNECTIONS AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
8. CIRCUITS SHOWN USED ARE ASSUMED SERVING EXISTING LIGHTING LOAD. THESE INDICATED ARE SERVING EXISTING TO REMAIN. CONTRACTOR TO MAINTAIN EXISTING CIRCUITING AND SWITCHING SCHEME, UNLESS OTHERWISE NOTED.
9. ALL WORK SHOWN ARE NEW, UNLESS OTHERWISE NOTED.
10. IN THE AREA WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FIXTURES SHALL BE RETAINED IN SERVICE. IN CASE OF DOUBT, ASSUME THAT THE EXISTING ELECTRICAL WIRING IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND THEREAFTER.
11. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM SUSPENDED CEILING.
12. ALIGN ALL WALL SWITCHES TO DOOR HARDWARE AND COORDINATE WITH THERMOSTAT LOCATIONS. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROOM-IN.
13. PROVIDE J-BOX FOR INSTALLATION OF EACH ILLUMINATED EXIT SIGN.
14. EMERGENCY LIGHTING REQUIREMENTS: PROVIDE 1 FOOT CANDLE MINIMUM ALONG EGRESS PATHWAY PER IBC 1006.4.

KEY NOTES

1. (E) J-BOX IN ACCESSIBLE CEILING SPACE TO REMAIN. FIELD VERIFY FOR EXACT LOCATION AND (E) CIRCUITING. MAKE FINAL CONNECTIONS SHOWN. REFER TO PARTIAL LIGHTING DEMOLITION PLAN FOR REFERENCE LOCATION OF (E) J-BOX.
2. PROVIDE MOMENTARY OVERRIDE SWITCH WITH PILOT LED BYPASSING BUILDING RELAY CONTROL CIRCUIT. FIELD VERIFY AND PROVIDE ALL NECESSARY HARDWARE, COMPONENTS AND PROGRAMMING COMPATIBLE WITH (E) BUILDING LIGHTING RELAY CONTROL SYSTEM TO ACCOMMODATE NEW SWITCHING SCHEME.
3. "WATSTOPPER" DUAL TECHNOLOGY CEILING MOUNTED SENSOR COMBINATION OF PASSIVE INFRARED AND ULTRASONIC TECHNOLOGY - DT SERIES. PROVIDE WITH POWER PACK AND ALL ACCESSORIES TO ACCOMMODATE SWITCHING SCHEME SHOWN.
4. DUAL TECHNOLOGY WALL MOUNTED SENSOR COMBINATION OF PASSIVE INFRARED AND ULTRASONIC TECHNOLOGY - DT SERIES. PROVIDE WITH POWER PACK AND ALL ACCESSORIES TO ACCOMMODATE SWITCHING SCHEME SHOWN.
5. PROVIDE "WATSTOPPER" MOMENTARY OVERRIDE SWITCH WITH LED PILOT LIGHT. PROVIDE ALL NECESSARY POWER PACK AND HARDWARE/COMPONENTS FOR A COMPLETE OPERABLE SYSTEM.



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



A member company of SHI Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, CA 90230
Tel: 310.312.6200
Fax: 310.473.2468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
10223212

VZCOX000
CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\EL-403-VZCOX000.dwg
Description
3RD FLOOR PARTIAL LIGHTING PLAN

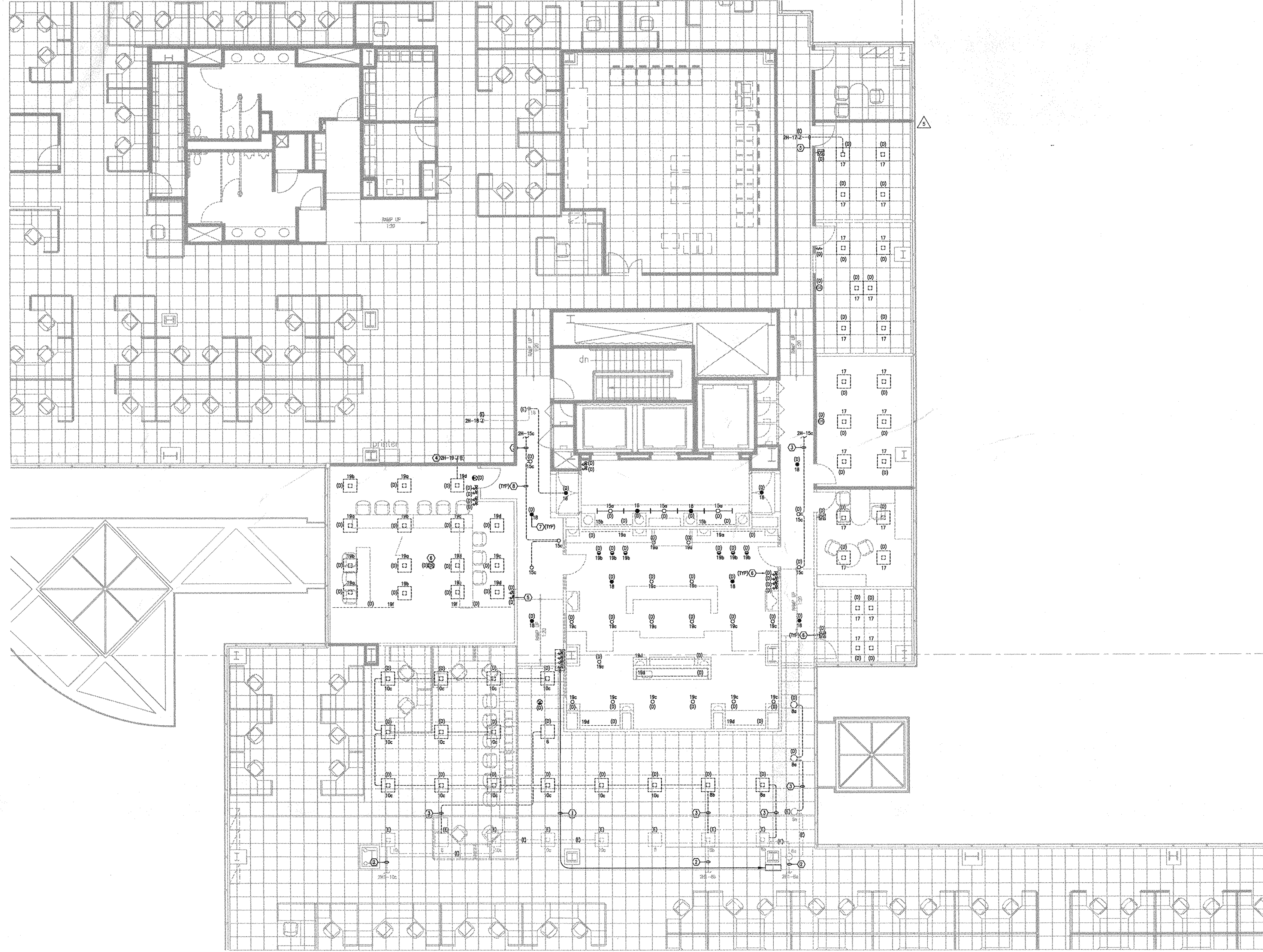
Scale
3/16" = 1'-0"

EL-403



©2013 Gensler

3RD FLOOR - PARTIAL LIGHTING PLAN



2D FLOOR - PARTIAL LIGHTING DEMOLITION PLAN

SHEET NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ACTUAL CIRCUIT IDENTIFICATION. CIRCUIT IDENTIFICATION SHOWN ON THIS DRAWING IS INFORMATIONAL PURPOSES ONLY. ALL CIRCUITS MUST BE IDENTIFIED BEFORE REMOVAL. ALL DISCREPANCIES MUST BE REPORTED TO PROJECT MANAGER & SYSKA IMMEDIATELY.
2. THIS PROJECT IS OF A COMPLEX NATURE. CONTRACTOR SHALL VISIT THE JOB SITE AND GET FAMILIAR WITH FIELD CONDITIONS. EXISTING CONDITIONS MAY VARY FROM WHAT SHOWN ON DRAWING. CONTRACTOR SHALL BRING TO ENGINEERS ATTENTION ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DESIGN DOCUMENTS.
3. SEAL ALL EXPOSED FLOOR CORE HOLES. AFTER SETS MUST BE REMOVED AND HOLES TO BE SEALED BY APPROVED METHOD. COORDINATE PROCEDURE WITH PROJECT MANAGER.
4. SEE ADDITIONAL RENOVATION NOTES ON DRAWING CD-1.
5. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS FOR THE REMOVAL OF ALL MECHANICAL AND PLUMBING EQUIPMENT. REMOVE ALL EXISTING ELECTRICAL DEVICES, CONDUITS/WIRING BACK TO PANELS. REMOVED CIRCUITS AS SPARES. FIELD VERIFY FOR EXACT LOCATIONS.
6. COORDINATE ALL RAISED FLOOR ACTIVITIES WITH BUILDING ENGINEER. ALL OPEN FLOOR FILES IN AREAS WHERE WORKER EMPLOYEES ARE WORKING MUST HAVE BARRICADES AND WARNING SIGNS.
7. ALL JUNCTION BOXES, OUTLETS BOXES, PULL BOXES AND ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF NEW WORK FOR BUILDING STANDARDS.
8. ELECTRICAL CONTRACTOR TO PROVIDE COVER PLATES FOR ALL HOLES, OPENING, ETC. TO MATCH EXISTING.
9. IN THE AREAS WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. IN CASE OF DOUBT, ASSUME THAT THE EXISTING ELECTRICAL WORK IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND THEREAFTER.
10. UNLESS OTHERWISE NOTED, ALL DEVICES NOTED AS (E) ARE TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUITS/WIRING BACK TO SOURCE (DO NOT ABANDON).
11. ALL LIGHTING FIXTURES NOTED AS (E) ARE EXISTING TO REMAIN. MAINTAIN OPERATION AND CIRCUITRY.
12. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL DEVICES SHOWN AND ALSO VERIFY THE CIRCUIT DESIGNATION PRIOR TO COMMENCING DEMOLITION WORK.
13. ALL EXISTING ELECTRICAL EQUIPMENT AND CONDUITS THAT INTERFERE WITH ANY NEW CONSTRUCTION SHALL BE RELOCATED OR RE-ROUTED AS REQUIRED TO CLEAR THE NEW CONSTRUCTION. RECONNECT ALL EXISTING EQUIPMENT THAT ARE TO REMAIN AND NOT AFFECTED BY THE NEW WORK TO THE NEWLY RELOCATED OR RE-ROUTED SYSTEM TO ENSURE A SAFE AND OPERATIONAL SYSTEM.
14. FIRE ALARM CONTRACTOR SHALL REMOVE (REMOVE, RELOCATE, REPAIR AND/OR PROVIDE NEW) ALL FIRE LIFE SAFETY SYSTEM DEVICES INCLUDING FIRE SPRINKLER HEAD TO MEET SYSTEM FIRE/LIFE SAFETY CODE REQUIREMENTS. COORDINATE WITH ARCHITECT AND BUILDING ENGINEER FOR EXACT REQUIREMENTS.
15. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT REQUIREMENTS OF DEMOLITION WORK.

KEY NOTES

1. FIELD VERIFY AND RELOCATE (E) SWITCHES TO NEW LOCATION SHOWN. MAINTAIN (E) SWITCHING SCHEME AND MAKE FINAL CONNECTIONS TO ALL (E) LIGHTS FIXTURES OUTSIDE OF AREA OF WORK THAT REQUIRED TO REMAIN IN OPERATION.
2. (E) CONNECTIONS FED FROM EXISTING TO REMAIN LIGHT FIXTURES LOCATED OUTSIDE THE SCOPE OF WORK. MAINTAIN EXISTING CIRCUITING CONNECTIONS AND SWITCHING SCHEME OF EXISTING LIGHT FIXTURES.
3. (E) CONNECTIONS TO BE DEMOLISHED. CONTRACTOR TO FIELD VERIFY AND REMOVE EXISTING CONDUITS/WIRING AS REQUIRED. MAINTAIN EXISTING SWITCHING SCHEME AND OPERATION OF EXISTING TO REMAIN LIGHT FIXTURES LOCATED OUTSIDE THE SCOPE OF WORK.
4. (E) J-BOX VIA INDICATED CIRCUITS TO REMAIN FOR NEW WORK. CONTRACTOR TO FIELD VERIFY AND RELOCATE J-BOX TO ACCESSIBLE CEILING SPACE AS REQUIRED.
5. (E) PROJECTION SCREEN MOTORIZED SWITCH TO BE DEMOLISHED. REMOVE ALL ASSOCIATED CONDUITS/WIRING BACK TO SOURCE.
6. (E) LIGHT SWITCH/OCCUPANCY SENSOR TO BE DEMOLISHED. REMOVE ALL EXISTING LIGHT FIXTURE WITH DENOTED "D" AND ASSOCIATED CONDUITS/WIRING BACK TO SOURCES.
7. (E) LIGHT FIXTURES WITH UN-SWITCH CIRCUIT TO BE DEMOLISHED. REMOVE EXISTING CONNECTIONS TO WAREHOUSE. MAINTAIN EXISTING CIRCUIT FOR INSTALLATION OF BATTERY PACK EMERGENCY LIGHT FIXTURES SHOWN IN THE NEW CONSTRUCTION PLANS.
8. (E) LIGHTING CONNECTIONS TO BE REMOVED UNLESS OTHERWISE NOTED. FIELD VERIFY AND REMOVE ALL ASSOCIATED CONDUITS/WIRING OF DEMOLISHED LIGHT FIXTURES (DO NOT ABANDON).



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



SYSKA HENNESSY GROUP
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	08/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature _____

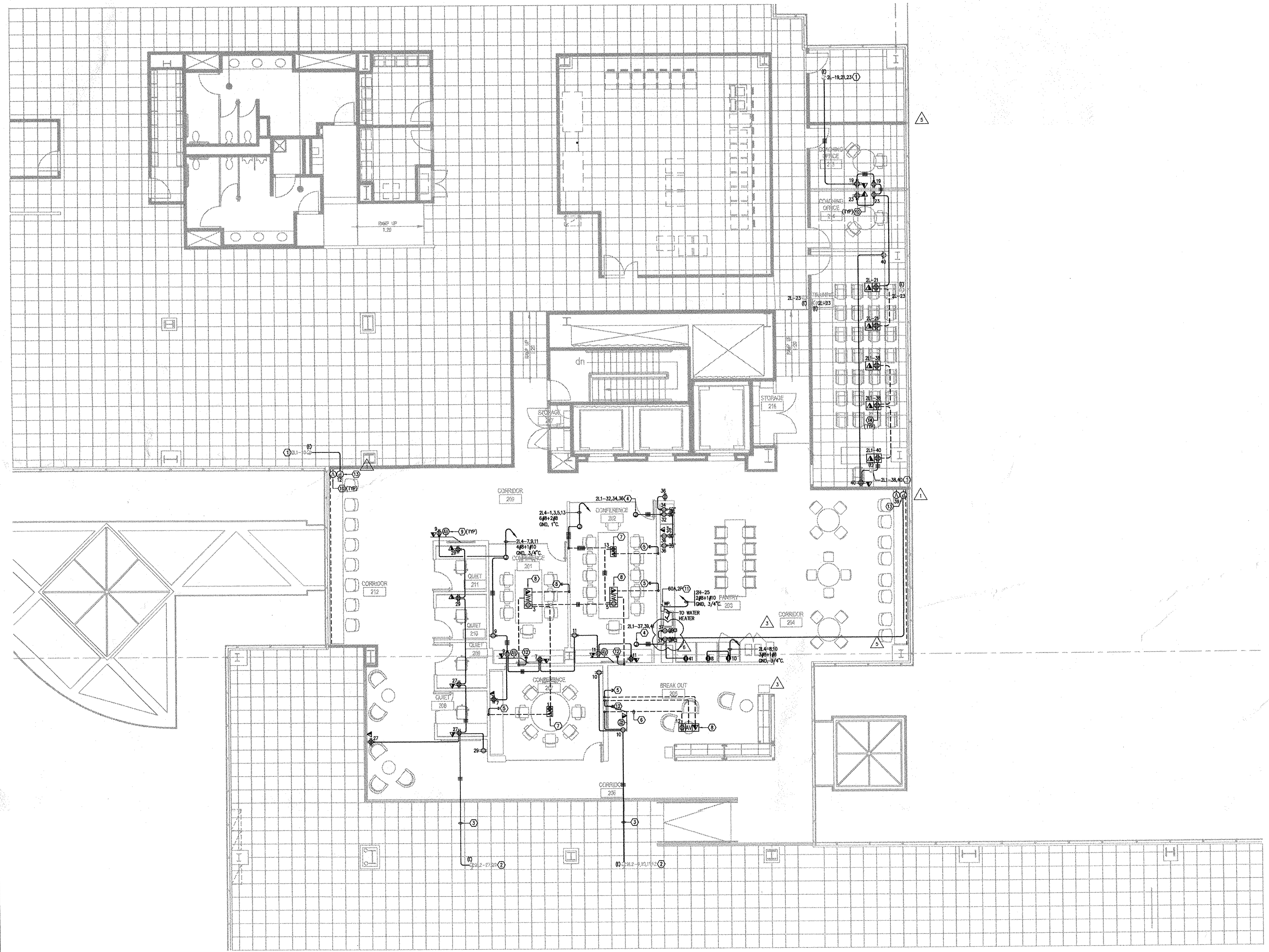
Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAO\CFVZCOX000\Drawings\Sheets\ELD-402-VZCOX000.dwg
Description
2ND FLOOR PARTIAL LIGHTING DEMOLITION PLAN

Scale
3/16" = 1'-0"

ELD-402

©2013 Gensler



SHEET NOTES

1. ALL WORK SHOWN ARE NEW, UNLESS NOTED OTHERWISE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, HEIGHT AND FINISH REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE OWNER'S AV/IT SYSTEM VENDOR AS NECESSARY TO OBTAIN INSTALLATION DRAWINGS, WIRING DIAGRAMS, ETC. THIS INFORMATION SHALL BE CONSIDERED PRIOR TO SUBMITTING A BID FOR THE WORK, AND ALL LABOR AND INCIDENTAL MATERIALS INCLUDED IN BID FOR A COMPLETE FUNCTIONING INSTALLATION.
4. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT.
5. FIELD COORDINATE FOR FINAL LOCATIONS OF SWITCHES, OUTLETS, AV PLATES AND JUNCTION BOXES WITH WALL TREATMENT AND SURFACES, PRIOR TO ROUGH-IN.
6. FOR TELECOMMUNICATION CABLES THAT ARE INSTALLED IN INACCESSIBLE AREAS SUCH AS HARD CEILING, CONTRACTOR SHALL PROVIDE CONDUITS WITH PULL WIRES AND TERMINATE CONDUITS BACK TO THE TELECOMM ROOM. COORDINATE ALL WORK WITH VERIZON TELECOMM VENDOR.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TELECOMM DEVICES WITH CONDUITS AND PULL WIRES. STUB UP 6" ABOVE FINISHED CEILING AT 50' BEND FOR CABLES (BY OTHERS), PROVIDE FITTED SOFT BUSHING TO PROTECT CABLES.
8. TELECOMM VENDOR IS RESPONSIBLE FOR PULLING ALL TEL/DATA CABLES AND INSTALLATION OF ALL TEL/DATA OUTLETS. COORDINATE WITH VERIZON TELECOMM REPRESENTATIVES FOR EXACT REQUIREMENTS.
9. CONDUIT ROUTING AND LOCATION OF ALL J-BOXES ARE FOR REFERENCE ONLY. ALL OPENING AROUND CONCRETE PASSING THROUGH FIRE RATED WALL, CEILING, FLOORS, ETC. SHALL BE PACKED AND SEALED TO CONFORM WITH FIRE RATING OF THE PENETRATED.
10. NO EQUIPMENT, J-BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN THE HARD CEILING AREAS, UNLESS ACCESS PANELS IS PROVIDED. LOCATE ANY (E) EQUIPMENT, J-BOXES TO ACCESSIBLE CEILING AREAS.
11. ALL J-BOXES, OUTLETS BOXES, PULL BOXES, ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK.
12. IN THE AREA WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. IN CASE OF DOUBT, ASSUME THAT THE EXISTING ELECTRICAL WIRING IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND THEREAFTER.

KEY NOTES

1. (E) J-BOX IN ACCESSIBLE CEILING SPACE TO REMAIN. FIELD VERIFY FOR EXACT LOCATION AND (E) ORDERING. MAKE FINAL CONNECTIONS SHOWN. REFER TO PARTIAL LIGHTING DEMOLITION PLAN FOR REFERENCE LOCATION OF (E) J-BOX.
2. (E) UNDER RAISED FLOOR J-BOX TO REMAIN. FIELD VERIFY FOR EXACT LOCATION AND (E) ORDERING. VERIFY AVAILABLE CIRCUITS OBTAINED FROM DEMOLITION WORK FOR NEW CONNECTIONS SHOWN.
3. PROVIDE CONNECTIONS TO (E) EXISTING CIRCUITING VIA UNDER RAISED FLOOR J-BOX. RUN VERTICAL CONDUITS FROM CEILING SPACE DOWN TO RAISED FLOOR VIA (E) COLUMN.
4. NEW J-BOX IN ACCESSIBLE CEILING SPACE WITH EXTENDED FEEDERS AND CIRCUITING FROM (E) BREAK ROOM FOR NEW POWER CONNECTIONS TO ELECTRICAL EQUIPMENT DEVICES. REFER TO PARTIAL POWER DEMOLITION PLAN FOR REFERENCE LOCATION OF (E) J-BOX.
5. PROVIDE 2" CONDUIT WITH PULL WIRES STUB-UP INTO ACCESSIBLE CEILING SPACE FOR TEL/DATA FEEDS.
6. (E) J-BOX IN ACCESSIBLE CEILING SPACE TO REMAIN. FIELD VERIFY FOR EXACT LOCATION AND (E) ORDERING. MAKE FINAL CONNECTIONS SHOWN. REFER TO PARTIAL LIGHTING DEMOLITION PLAN FOR REFERENCE LOCATION OF (E) J-BOX.
7. PROVIDE FIRE RATED FLUSH MOUNTED POKE-THRU WITH OUTLETS TO ACCOMMODATE POWER AND TEL/DATA CONNECTIONS. SIMILAR TO 'WIREMOL' IN FLOOR SYSTEM 'EVOLUTION-BAT' SERIES WITH FLUSHED FLOOR COVER AND SLIC ACCESS DOORS. COORDINATE WITH ARCHITECT AND TELECOMM VENDOR FOR EXACT OUTLET CONFIGURATIONS AND FINISH REQUIREMENTS FROM TEL/DATA VENDOR. COORDINATE WITH STRUCTURAL CONSULTANTS FOR REQUIREMENTS. REFER TO SHEET E-501 FOR DETAILS.
8. PROVIDE FIRE RATED FLUSH MOUNTED POKE-THRU WITH J-BOXES TO ACCOMMODATE POWER AND TEL/DATA CONNECTIONS. SIMILAR TO 'WIREMOL' IN FLOOR SYSTEM 'EVOLUTION-BAT' SERIES WITH FLUSHED FLOOR COVER AND SLIC ACCESS DOORS. COORDINATE WITH ARCHITECT AND FURNITURE VENDOR FOR POWER AND TEL/DATA WIRING REQUIREMENTS FROM TEL/DATA VENDOR. COORDINATE WITH STRUCTURAL CONSULTANTS FOR REQUIREMENTS. REFER TO SHEET E-501 FOR DETAILS.
9. PROVIDE AV OUTLETS AND ALL REQUIRED ELECTRICAL COMPONENTS PER AV EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE 1" CONDUIT WITH PULL WIRES TO ACCESSIBLE CEILING SPACE. COORDINATE WITH ARCHITECT AND AV/IT VENDORS FOR EXACT REQUIREMENTS.
10. COORDINATE WITH TELECOMM VENDOR AND PROVIDE 1" CONDUIT WITH PULL WIRES TO ACCESSIBLE CEILING SPACE FOR DATA CONNECTIONS AS REQUIRED.
11. PROVIDE 2-POLE, 100A NON-FUSIBLE 277V AC MANUAL RATED WEATHER PROOF DISCONNECT SWITCH LOCATED NEXT TO ELECTRIC WATER HEATER UNDER SINK COVER. DISCONNECT SWITCH SHALL BE ACCESSIBLE THRU THE CABINET DOORS. PROVIDE UNDERMOUNT SUPPORT ASSEMBLY FOR WALL MOUNTING AS REQUIRED. PROVIDE F-ROOF LABEL ON SWITCH STATING 'KEEP CLEARANCE IN FRONT OF THE SWITCH FOR ACCESS'.
12. PROVIDE 1-1/4" CONDUIT WITH PULL WIRES STUB-UP INTO ACCESSIBLE CEILING SPACE FOR AV FEEDS.
13. ELECTRICAL CONTRACTOR TO PROVIDE FLUOROLO LENGTH AS REQUIRED PER ARCHITECTURAL DRAWINGS. COORDINATE WITH FURNITURE VENDOR FOR INSTALLATION REQUIREMENTS.
14. (N) FLUSHED FLOOR MOUNTED POWER AND TEL/DATA BOX ON RAISED FLOOR, TO MATCH BUILDING STANDARD. COORDINATE WITH TELECOMM VENDOR FOR EXACT REQUIREMENTS AND TERMINATIONS OF TEL/DATA OUTLETS.



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, CA 90230
Tel: 310.312.0200
Fax: 310.473.1458
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	08/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Scale/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAC\CF\VZCOX000\Drawings\Sheets\EP-402-VZCOX000.dwg
Description
2ND FLOOR PARTIAL POWER PLAN

Scale
3/16" = 1'-0"

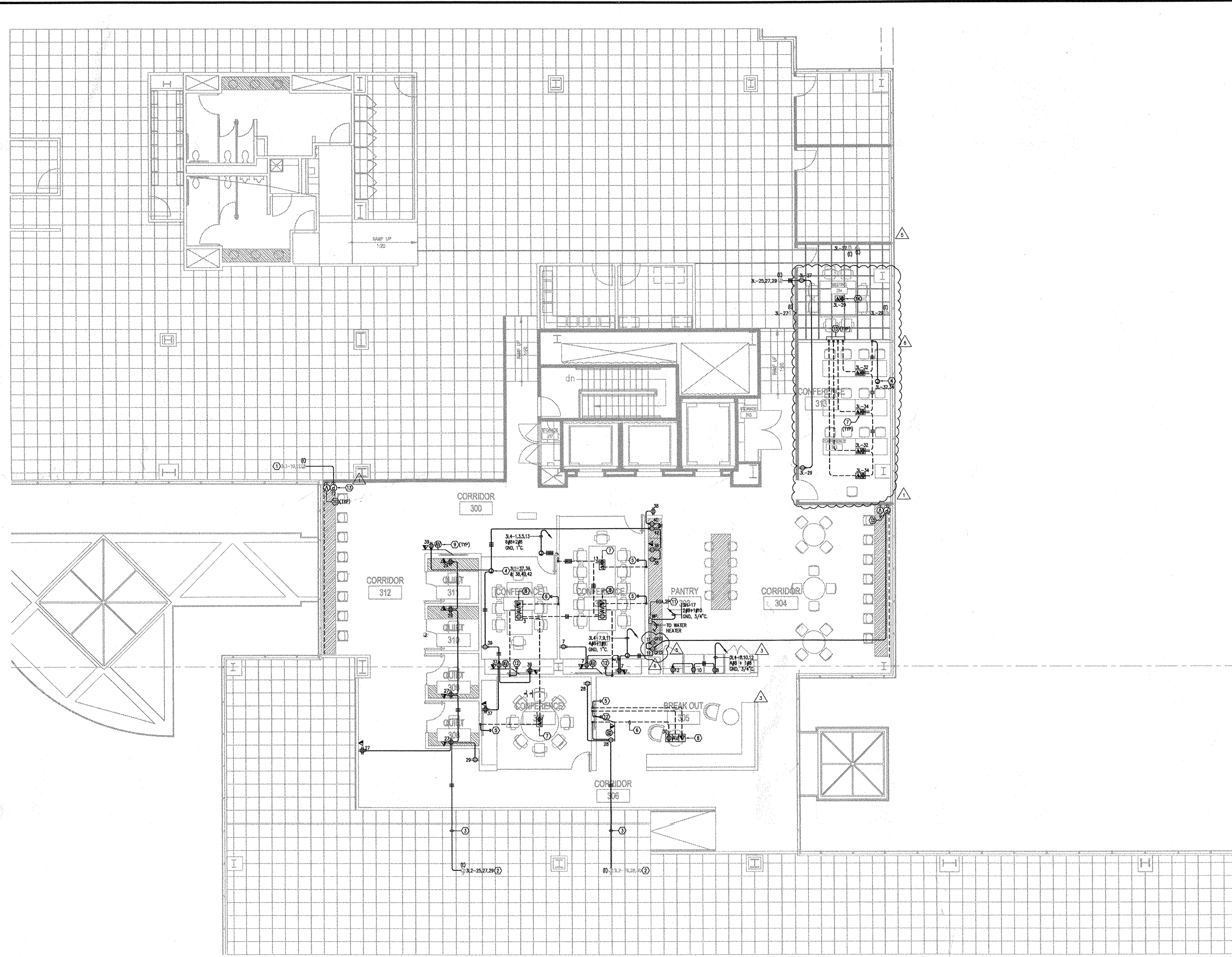
EP-402

©2013 Gensler



2ND FLOOR - PARTIAL POWER PLAN

The corner tick marks represent the 30" x 48" plot area.



SHEET NOTES

1. ALL WORK SHOWN ARE NEW, UNLESS NOTED OTHERWISE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, HEIGHT AND FINISH REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE OWNER'S AV/IT SYSTEM VENDOR AS NECESSARY TO OBTAIN INSTALLATION DRAWINGS, WIRING DIAGRAMS, ETC. THIS INFORMATION SHALL BE CONSIDERED PRIOR TO SUBMITTING A BID FOR THE WORK AND ALL LABOR AND INCIDENTAL MATERIALS INCLUDED IN BID FOR A COMPLETE FUNCTIONING INSTALLATION.
4. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT.
5. FIELD COORDINATE FOR FINAL LOCATIONS OF SWITCHES, OUTLETS, AV PLATES AND JUNCTION BOXES WITH WALL TREATMENT AND SURFACES, PRIOR TO ROUGH-IN.
6. FOR TELECOMMUNICATION CABLES THAT ARE INSTALLED IN ACCESSIBLE AREAS SUCH AS HANG CEILING, CONTRACTOR SHALL PROVIDE CONDUITS WITH PULL WIRES AND TERMINATE CONDUITS BACK TO THE TELECOM ROOM. COORDINATE ALL WORK WITH VERIZON TELECOMM VENDOR.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TELECOMM DEVICES WITH CONDUITS AND PULL WIRES. STUB UP TO BASIC FINISHED CEILING AT 8' 0" FOR CABLES (BY OTHERS). PROVIDE FITTED SOFT BUSHING TO PROTECT CABLES.
8. TELECOMM VENDOR IS RESPONSIBLE FOR PULLING ALL TELECOMM CABLES AND INSTALLATION OF ALL TEL/DATA OUTLETS. COORDINATE WITH VERIZON TELECOMM REPRESENTATIVES FOR EXACT REQUIREMENTS.
9. CONDUIT ROUTING AND LOCATION OF ALL J-BOXES ARE FOR REFERENCE ONLY. ALL OPENING AROUND CONDUITS PASSING THROUGH FIRE RATED WALL, CEILING, FLOORS, ETC. SHALL BE PACKED AND SEALED TO CONFORM WITH FIRE RATING OF THE PENETRATED.
10. NO EQUIPMENT, J-BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN THE HARD CEILING AREAS, UNLESS ACCESS PANELS IS PROVIDED. LOCATE ANY (E) EQUIPMENT, J-BOXES TO ACCESSIBLE CEILING AREAS.
11. ALL J-BOXES, OUTLETS BOXES, PULL BOXES, ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK.
12. IN THE AREA WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. IN CASE OF DOUBT, ASSUME THAT THE EXISTING ELECTRICAL WIRING IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND THEREAFTER.

KEY NOTES

1. (E) J-BOX IN ACCESSIBLE CEILING SPACE TO REMAIN. FIELD VERIFY FOR EXACT LOCATION AND (E) CIRCUITING MAKE FINAL CONNECTIONS SHOWN. REFER TO PARTIAL LIGHTING DEMOLITION PLAN FOR REFERENCE LOCATION OF (E) J-BOX.
2. (E) UNDER RAISED FLOOR J-BOX TO REMAIN. FIELD VERIFY FOR EXACT LOCATION AND (E) CIRCUITING. UTILIZE AVAILABLE CIRCUITS OBTAINED FROM DEMOLITION WORK FOR NEW CONNECTIONS SHOWN.
3. PROVIDE CONNECTIONS TO (E) EXISTING CIRCUITING VIA UNDER RAISED FLOOR J-BOX. RUN MINIMAL CONDUITS FROM CEILING SPACE DOWN TO RAISED FLOOR VIA (E) COLUMN.
4. NEW J-BOX IN ACCESSIBLE CEILING SPACE WITH EXTENDED FEEDERS AND CIRCUITING FROM (E) CONFERENCE ROOM FOR NEW POWER CONNECTIONS TO ELECTRICAL EQUIPMENT. REFER TO PARTIAL POWER DEMOLITION PLAN FOR REFERENCE LOCATION OF (E) J-BOX.
5. PROVIDE 2" CONDUIT WITH PULL WIRES STUB-UP INTO ACCESSIBLE CEILING SPACE FOR TEL/DATA FEEDS.
6. 1/2" (E) IN 3/4" CONDUIT STUB-UP INTO ACCESSIBLE CEILING SPACE TO NEAREST J-BOX FOR POWER CONNECTIONS OF FLUSHED FLOOR MOUNTED OUTLETS VIA POKE-THRU.
7. PROVIDE FIRE RATED FLUSHED MOUNTED POKE-THRU WITH OUTLETS TO ACCOMMODATE POWER AND TEL/DATA CONNECTIONS. SIMILAR TO "WIREMOLD" IN FLOOR SYSTEM "EVOLUTION-BAT" SERIES WITH FLUSHED FLOOR COVER AND SLIDE ACCESS DOORS. COORDINATE WITH ARCHITECT AND TELECOMM VENDOR FOR EXACT OUTLET CONFIGURATIONS AND POKE-THRU REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE WITH STRUCTURAL CONSULTANTS FOR REQUIREMENTS. REFER TO SHEET E-501 FOR DETAILS.
8. PROVIDE FIRE RATED FLUSHED MOUNTED POKE-THRU WITH J-BOXES TO ACCOMMODATE POWER AND TEL/DATA CONNECTIONS. SIMILAR TO "WIREMOLD" IN FLOOR SYSTEM "EVOLUTION-BAT" SERIES WITH FURNITURE HMP CONNECTOR AND FLUSHED FLOOR COVER. COORDINATE WITH ARCHITECT AND FURNITURE VENDOR FOR POWER AND TEL/DATA WIRING REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE WITH STRUCTURAL CONSULTANTS FOR REQUIREMENTS. REFER TO SHEET E-501 FOR DETAILS.
9. PROVIDE AN OUTLETS AND ALL REQUIRED ELECTRICAL COMPONENTS PER AV EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE 1" CONDUIT WITH PULL WIRES TO ACCESSIBLE CEILING SPACE. COORDINATE WITH ARCHITECT AND AV/IT VENDORS FOR EXACT REQUIREMENTS.
10. COORDINATE WITH TELECOMM VENDOR AND PROVIDE 1" CONDUIT WITH PULL WIRES TO ACCESSIBLE CEILING SPACE FOR DATA CONNECTIONS AS REQUIRED.
11. PROVIDE 2-POLE, 1PH NON-FUSIBLE 277V AC MANUAL RATED WEATHER PROOF DISCONNECT SWITCH LOCATED NEXT TO ELECTRIC WATER HEATER UNDER SINK COUNTER. DISCONNECT SWITCH SHALL BE ACCESSIBLE THRU THE CABINET DOORS. PROVIDE UNDERBENT SUPPORT ASSEMBLY FOR WALL MOUNTING AS REQUIRED. PROVIDE IN-TOUCH LABEL ON SWITCH STAINING "KEEP CLEARANCE IN FRONT OF THE SWITCH FOR ACCESS".
12. PROVIDE 1-1/4" CONDUIT WITH PULL WIRES STUB-UP INTO ACCESSIBLE CEILING SPACE FOR A/V FEEDS.
13. ELECTRICAL CONTRACTOR TO PROVIDE PLUMBING LENGTH AS REQUIRED PER ARCHITECTURAL DRAWINGS. COORDINATED WITH FURNITURE VENDOR FOR INSTALLATION REQUIREMENTS.
14. (N) FLUSHED FLOOR MOUNTED POWER AND TEL/DATA BOX ON RAISED FLOOR. TO MATCH BUILDING STANDARD. COORDINATE WITH TELECOMM VENDOR FOR EXACT REQUIREMENTS AND TERMINATIONS OF TEL/DATA OUTLETS.
15. PROVIDE 1" CONDUIT WITH PULL WIRES STUB-UP INTO ACCESSIBLE CEILING SPACE FOR TEL/DATA FEEDS.



1800 Soler Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10030
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler

SYSKA HENNESSY GROUP
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7485
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/15/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/26/12		
	REVISOR FOR PLAN CHECK		
5	11/15/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Scale: 3/16" = 1'-0"

Project Name: VERIZON V.I.P.
Project Number: VZCOX000
CAD File Name: P:\LAO\CF\VZCOX000\Drawings\Sheets\EP-403-VZCOX000.dwg
Description: 3RD FLOOR PARTIAL POWER PLAN

Scale: 3/16" = 1'-0"
EP-403
True North
Ref North

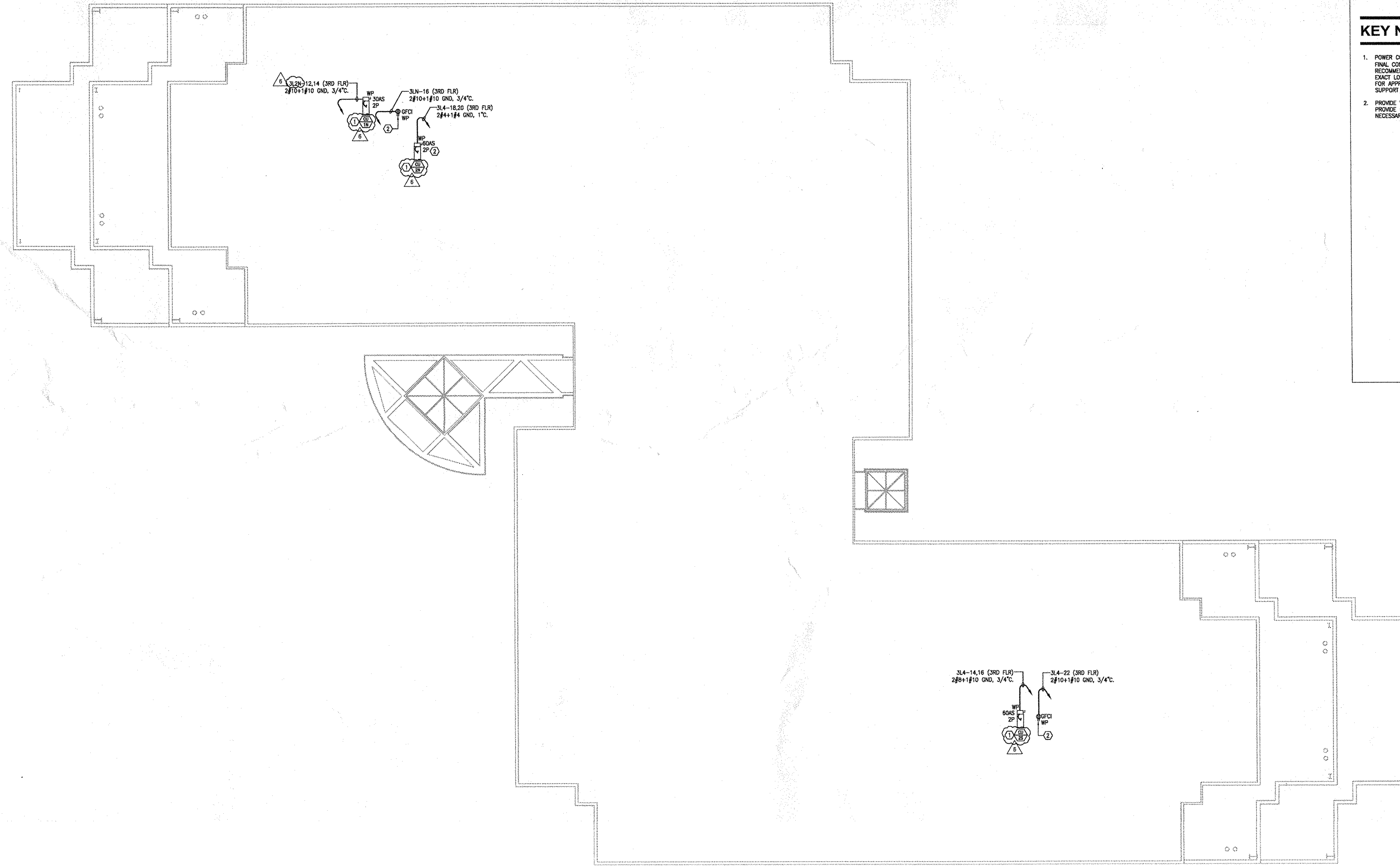
3RD FLOOR - PARTIAL POWER PLAN

SHEET NOTES

1. CONDUIT ROUTING AND LOCATION OF ALL J-BOXES ARE FOR REFERENCE ONLY. ALL OPENING AROUND CONDUITS PASSING THROUGH FIRE RATED WALL, CEILING, FLOORS, ETC. SHALL BE PACKED AND SEALED TO CONFORM WITH FIRE RATING OF THE PENETRATED.
2. ALL J-BOXES, OUTLETS BOXES, PULL BOXES, ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK.

KEY NOTES

1. POWER CONNECTION FOR ROOF TOP CONDENSING UNIT, MAKE FINAL CONNECTION BASED ON MANUFACTURER'S RECOMMENDATIONS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION. COORDINATE WITH BUILDING REPRESENTATIVE FOR APPROVED ROOF PENETRATION METHOD. PROVIDE UNSTRUT SUPPORT FOR DISCONNECT SWITCH MOUNTING AS NECESSARY.
2. PROVIDE WEATHERPROOF GFCI RECEPTACLE WITH IN USE COVER. PROVIDE UNSTRUT SUPPORT FOR EQUIPMENT MOUNTING AS NECESSARY.



1800 Solar Drive
Orland, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



SYSKA HENNESSY GROUP
A member company of SHI Group, Inc.
Syska Hennessy Group, Inc.
600 Corporate Pointe
Suite 300
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7466
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12	-	-
PLAN CHECK			
1	08/15/12	-	-
ISSUE FOR CONSTRUCTION			
2	09/12/12	-	-
BULLETIN 1			
3	10/08/12	-	-
BULLETIN 2			
4	10/23/12	-	-
REVISED FOR PLAN CHECK			
5	11/19/12	-	-
BULLETIN 3			
6	02/21/13	-	-
BULLETIN 4			

Seal/Signature _____

Project Name
VERIZON V.I.P.

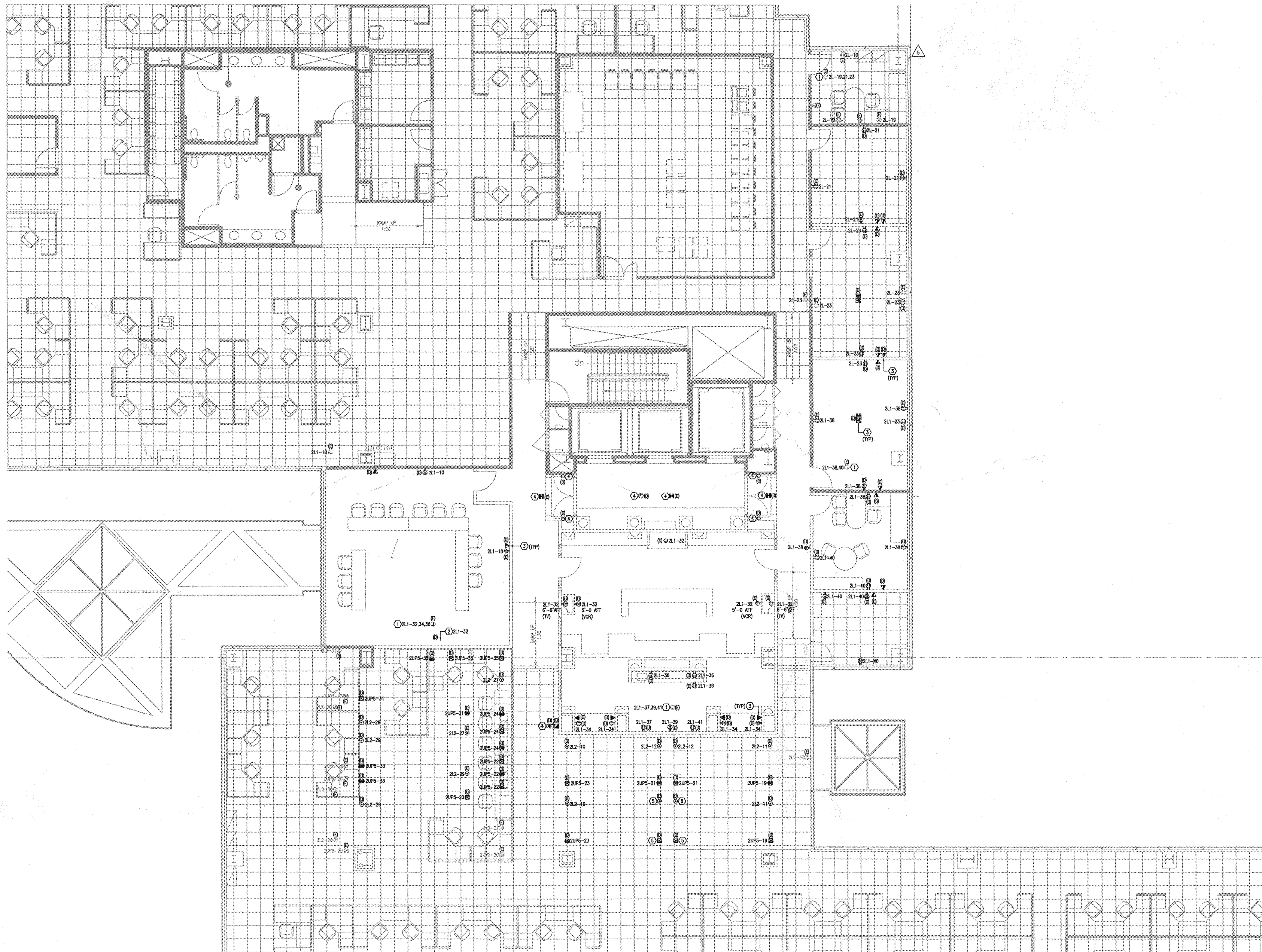
Project Number
VZCOX000
CAD File Name
P:\AO\CF\VZCOX000\Drawings\Sheets\EP-405-VZCOX000.dwg
Description
ROOF POWER PLAN

Scale
3/32" = 1'-0"

EP-405

©2013 Gensler

The corner fid marks represent the 30"x48" plot area.



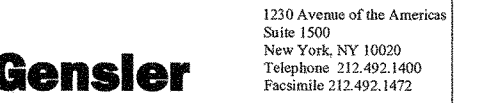
2ND FLOOR - POWER DEMOLITION PLAN

SHEET NOTES

- CONTRACTOR IS RESPONSIBLE FOR ACTUAL CIRCUIT IDENTIFICATION. CIRCUIT IDENTIFICATION SHOWN ON THIS DRAWING IS INFORMATIONAL PURPOSES ONLY. ALL CIRCUITS MUST BE IDENTIFIED BEFORE REMOVAL. ALL DISCREPANCIES MUST BE REPORTED TO PROJECT MANAGER & SYSKA IMMEDIATELY.
- THIS PROJECT IS OF A COMPLEX NATURE. CONTRACTOR SHALL VISIT THE JOB SITE AND GET FAMILIAR WITH FIELD CONDITIONS. EXISTING CONDITIONS MAY VARY FROM WHAT SHOWN ON DRAWINGS. CONTRACTOR SHALL BRING TO ENGINEER'S ATTENTION ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND RECORD DRAWINGS.
- SEAL ALL EXPOSED FLOOR CORE HOLES. AFTER SETS MUST BE REMOVED AND HOLES TO BE SEALED BY APPROVED METHOD. COORDINATE PROCEDURE WITH PROJECT MANAGER.
- SEE ADDITIONAL RENOVATION NOTES ON DRAWING ED-1.
- COORDINATE ALL RAISED FLOOR ACTIVITIES WITH BUILDING ENGINEER. ALL OPEN FLOOR TILES IN AREAS WHERE PERSON EMPLOYEES ARE WORKING MUST HAVE BARRICADES AND WARNING SIGNS.
- ALL JUNCTION BOXES, OUTLET BOXES, PULL BOXES AND ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK PER BUILDING STANDARDS.
- ELECTRICAL CONTRACTOR TO PROVIDE COVER PLATES FOR ALL HOLES, OPENING, ETC. TO MATCH EXISTING.
- IN THE AREAS WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. IN CASE OF DRAFT ASSUMES THAT THE EXISTING ELECTRICAL WORK IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND THEREAFTER.
- PROVIDE AS-BUILT PANEL SCHEDULES AND DRAWINGS AT THE CONCLUSION OF WORK. CONTRACTOR SHALL MODIFY THE PANEL DIRECTORIES TO REFLECT THE CHANGES AND MODIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR WRITING AND SECURING APPROVALS FOR ALL CRITICAL WORK RELATED TO UPS POWER. COORDINATE ALL WORK WITH VERIZON PROJECT MANAGER AND BUILDING ENGINEERS SO AS NOT TO INTERRUPT THE OPERATIONS OF THE BUILDING. WORK HOURS SHALL BE CLOSELY COORDINATED.
- UNLESS OTHERWISE NOTED, ALL DEVICES NOTED AS (E) ARE TO BE REMOVED. REMOVE ALL UNUSED CONDUITS/WIRING BACK TO NEAREST J-BOXES LOCATED OUTSIDE OF THE DEMOLITION AREA (DO NOT MARKED).
- ALL DEVICES NOTED AS (E) ARE EXISTING TO REMAIN, MAINTAIN OPERATION AND CIRCUITRY.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL DEVICES SHOWN AND ALSO VERIFY THE CIRCUIT DESIGNATION PRIOR TO COMMENCING DEMOLITION WORK.
- ALL EXISTING ELECTRICAL EQUIPMENT AND CONDUITS THAT INTERFERE WITH ANY NEW CONSTRUCTION SHALL BE RELOCATED OR RE-ROUTED AS REQUIRED TO CLEAR THE NEW CONSTRUCTION. RECONNECT ALL EXISTING EQUIPMENT THAT ARE TO REMAIN AND NOT AFFECTED BY THE NEW WORK. TO THE NEWLY RELOCATED OR RE-ROUTED SYSTEM TO ENSURE A SAFE AND OPERATIONAL SYSTEM.
- COORDINATE WITH MECHANICAL AND PLUMBING DEMOLITION PLANS FOR THE REMOVAL OF ALL MECHANICAL AND PLUMBING EQUIPMENT. UNLESS OTHERWISE NOTED, FIELD VERIFY AND REMOVE ALL EXISTING ELECTRICAL DEVICES, CONDUITS/WIRING BACK TO PANEL. LABEL REMOVED CIRCUITS AS SPARES.
- FIRE ALARM CONTRACTOR SHALL REMOVED, RELOCATE, RETROFIT AND/OR PROVIDE NEW ALL FIRE LIFE SAFETY SYSTEM DEVICES INCLUDING FIRE SPRINKLER HEAD TO MEET SYSTEM FIRE/LIFE SAFETY CODE REQUIREMENTS. COORDINATE WITH ARCHITECT AND BUILDING ENGINEER FOR EXACT REQUIREMENTS.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT REQUIREMENTS OF DEMOLITION WORK.
- REMOVE ALL UNDER RAISED FLOOR J-BOXES TO OUTSIDE OF THE DEMOLITION AREA. MAINTAIN EXISTING CIRCUITRY TO EXTEND SERVICE TO NEW EQUIPMENT/DEVICES IN THE NEW AREA OF WORK.
- TELECOM MONITOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING TEL/DATA OUTLETS AND ASSOCIATED CONNECTIONS. COORDINATE WITH VERIZON REPRESENTATIVES FOR EXACT REQUIREMENTS.

KEY NOTES

- (J) - BOX AS INDICATED DECIDED TO REMAIN FOR NEW WORK. CONTRACTOR TO FIELD VERIFY AND RELOCATE J-BOX TO ACCESSIBLE CEILING SPACE AS REQUIRED PER NEW CONSTRUCTION PLANS.
- (E) PROTECTION SCREEN TO BE DEMOLISHED. REMOVE ALL ASSOCIATED CONDUITS/WIRING BACK TO SOURCE.
- TELECOM VENDOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING TEL/DATA WALL OUTLETS AND CABLES BACK TO SOURCE. COORDINATE WITH VERIZON REPRESENTATIVES FOR EXACT REQUIREMENTS PRIOR TO PROCEEDING DEMOLITION WORK. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING REQUIREMENTS OF ALL EXISTING WALL OPENINGS.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH FIRE ALARM VENDOR FOR THE DEMOLITION WORK OF DEMOLISHED FIRE ALARM DEVICES.
- CONTRACTOR TO FIELD VERIFY AND IDENTIFY (E) EXISTING FEEDING (E) OUTLETS PRIOR TO PROCEEDING OF DEMOLITION WORK.



Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000
CAD File Name
P:\LAD\FVZCOX000\Drawings\Sheets\EPD-402-VZCOX000.dwg
Description
2ND FLOOR PARTIAL POWER DEMOLITION PLAN

Scale
3/8" = 1'-0"

EPD-402

©2013 Gensler

The corner dot marks represent the 3/8" x 6" grid lines.



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

Gensler

SYSKA HENNESSY GROUP
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
600 Corporate Pointe
Suite 200
Oakland, CA 94612
Tel: 310.312.0200
Fax: 310.312.3499
www.syska.com

SHEET NOTES

1. ALL ELECTRICAL EQUIPMENT (TRANSFORMERS, PANELS) ARE EXISTING TO REMAIN, SHOWN FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED.
2. CONDUIT ROUTING AND LOCATION OF ALL J-BOXES ARE FOR REFERENCE ONLY. ALL OPENING AROUND CONDUITS PASSING THROUGH FIRE RATED WALL, CEILING, FLOORS, ETC. SHALL BE PACKED AND SEALED TO CONFORM WITH FIRE RATING OF THE PENETRATED.
3. ALL J-BOXES, OUTLETS BOXES, PULL BOXES, ETC. SHALL BE LABELED WITH PROPER CIRCUIT AND PANEL DESIGNATION AT THE CONCLUSION OF WORK.

KEY NOTES

1. NOT USED.
2. UNDER GROUND CONDUIT TO NEAREST (E) PARKING LOT POLE LIGHTING, 277V. PROVIDE 2#10-1/2" O.D. GRID IN MIN. 1'-0" CONDUIT FOR VERIZON SIGNAGE LED LIGHTING CONNECTIONS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. CONTRACTOR TO COORDINATE WITH SIGNAGE VENDOR AND PROVIDE ALL TRANSFORMER/ COMPONENTS/ PARTS AS REQUIRED.

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	09/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/22/12		
	REVISED FOR PLAN CHECK		
5	11/09/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Sheet Signature

Project Name
VERIZON V.I.P.

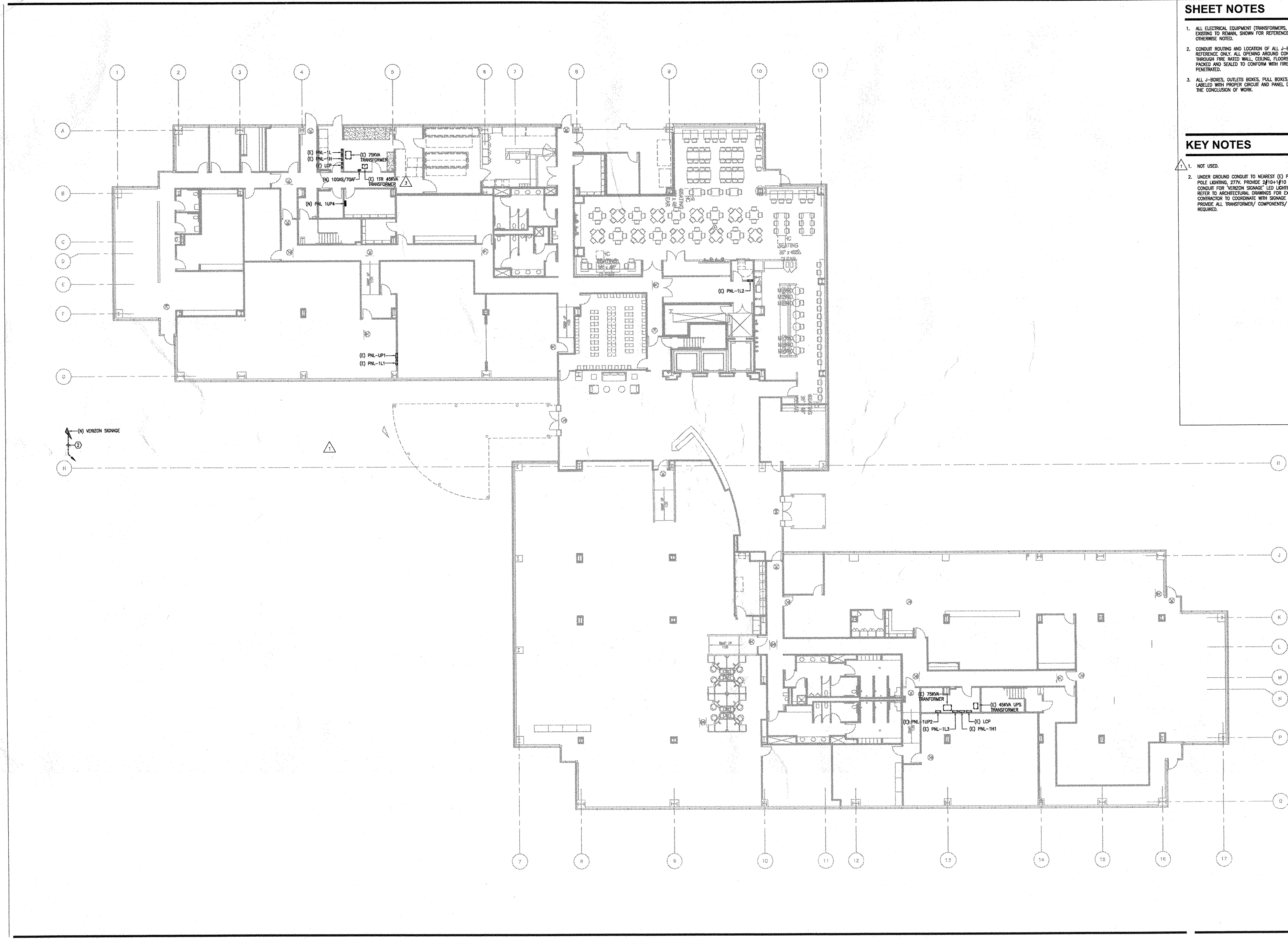
Project Number
VZCOX000
CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheets\E-101-VZCOX000.dwg
Description
1ST FLOOR OVERALL PLAN

Scale
3/32" = 1'-0"

E-101



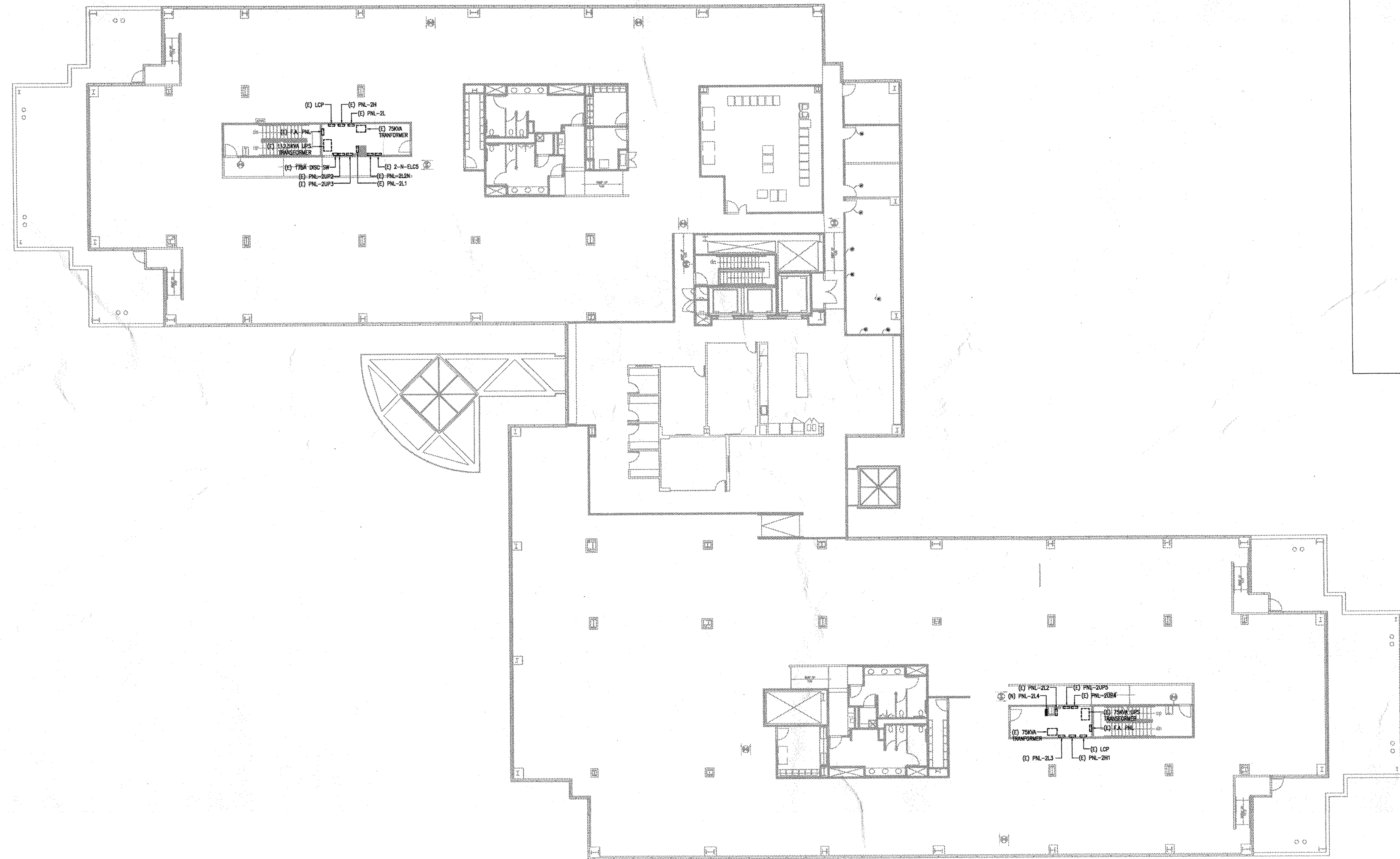
©2013 Gensler



The corner tick marks represent the 30'x30' grid area.

SHEET NOTES

1. ALL ELECTRICAL EQUIPMENT (TRANSFORMERS, PANELS) ARE EXISTING TO REMAIN SHOWN FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED AS (N).



1800 Solar Drive
Oxnard, CA 93030

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone: 212.492.1400
Facsimile: 212.492.1472

Gensler



Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/21/12 PLAN CHECK	-	-
1	08/10/12 ISSUE FOR CONSTRUCTION	-	-
2	09/12/12 BULLETIN 1	-	-
3	10/28/12 BULLETIN 2	-	-
4	10/23/2012 REVISED FOR PLAN CHECK	-	-
5	11/7/12 BULLETIN 3	-	-
6	02/21/13 BULLETIN 4	-	-

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX00
CAD File Name
P:\LAO\CF\VZCOX000\Drawings\Sheet\E-102-VZCOX000.dwg
Description
2ND FLOOR OVERALL PLAN

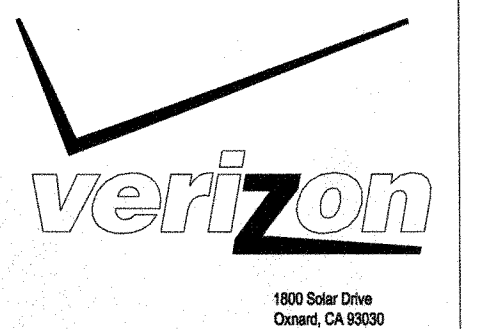
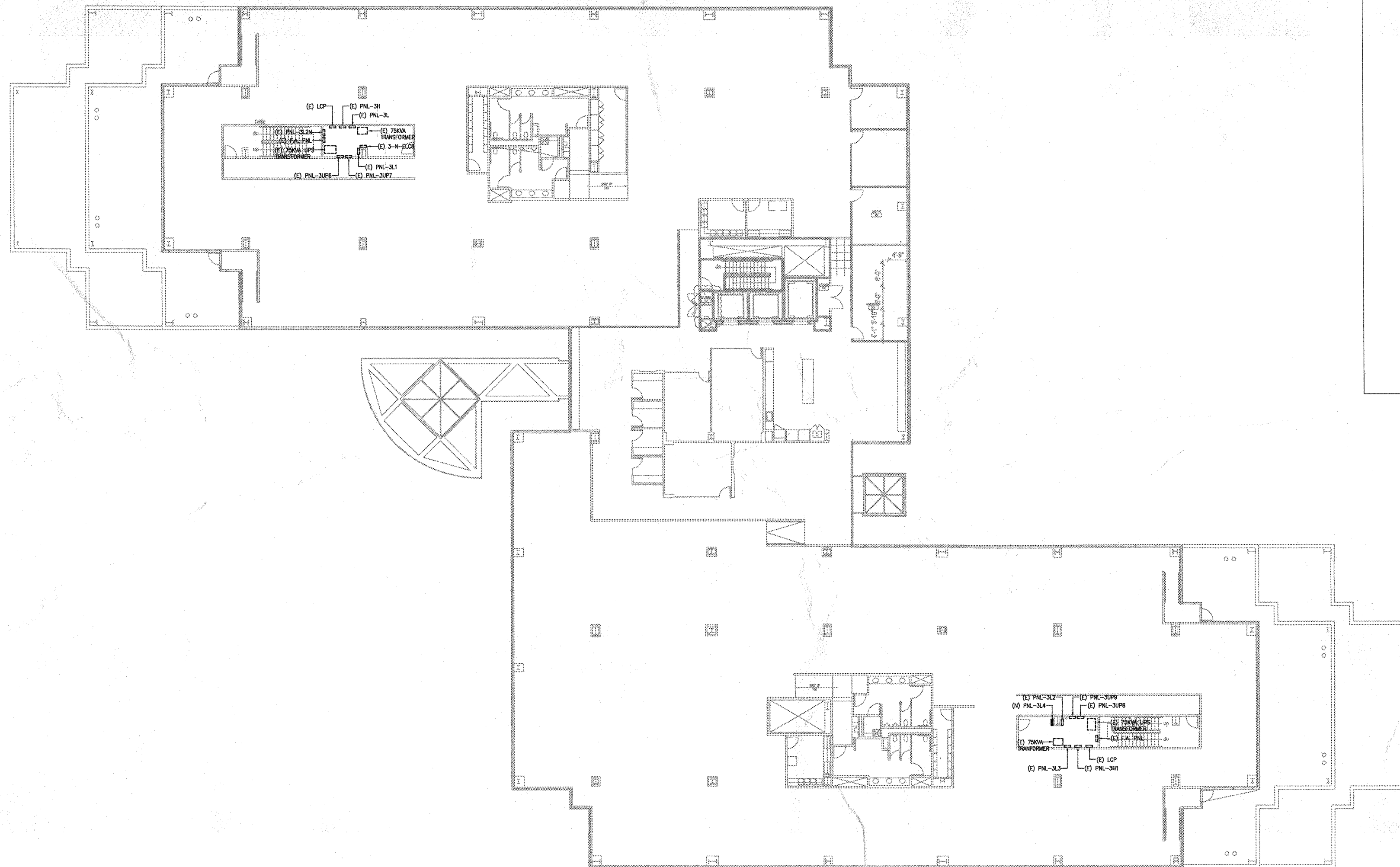
Scale
3/32" = 1'-0"

E-102

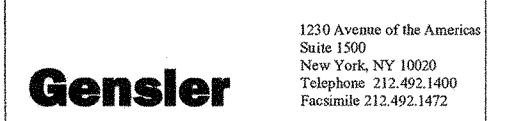
©2013 Gensler

SHEET NOTES

1. ALL ELECTRICAL EQUIPMENT (TRANSFORMERS, PANELS) ARE EXISTING TO REMAIN, SHOWN FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED AS (N).



1800 Solar Drive
Oxnard, CA 93030



1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472



Syska Hennessy Group, Inc.
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
600 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.613.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/10/12		
	ISSUE FOR CONSTRUCTION		
2	08/12/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
1023/2012

Project Number
VZCOX000

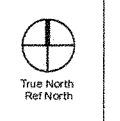
CAD File Name
P:\AOC\F\VZCOX000\Drawings\Sheet\E-103-VZCOX000.dwg

Description
3RD FLOOR OVERALL PLAN

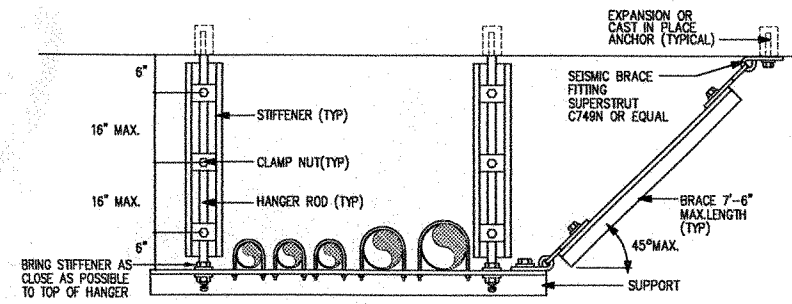
Scale
3/32" = 1'-0"

E-103

©2013 Gensler



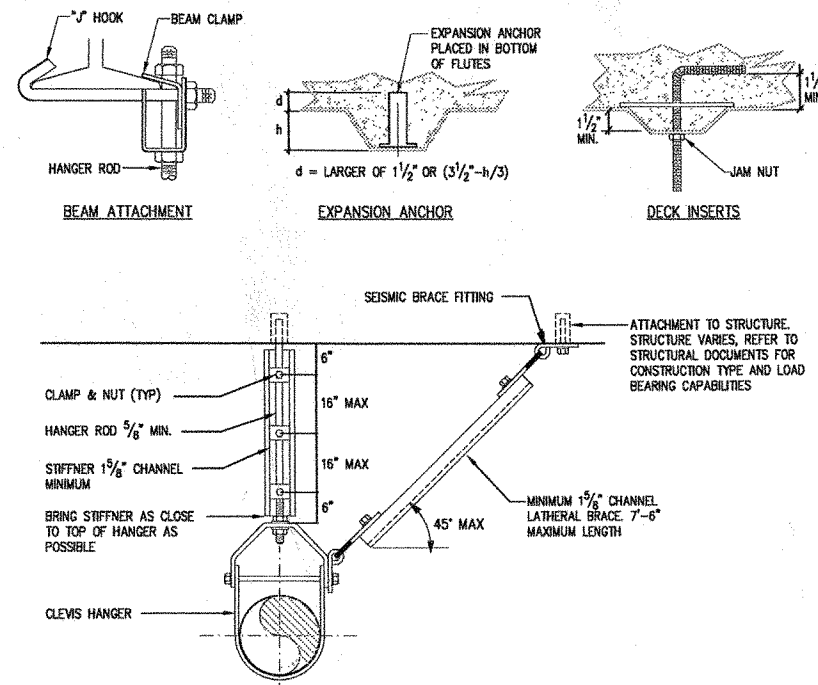
The corner tick marks represent the 30" x 48" plot area.



NOTE:

1. REFER TO SMACNA GUIDELINE FOR REQUIRED SIZES OF SUPPORTS, BRACING, AND ANCHORS.
2. DETAIL SHOWN SHALL BE USED FOR GUIDELINE ONLY. SUBMIT SEISMIC RELATED DETAILS AND OBTAIN APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
3. ALL ANCHORS SHALL BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER PRIOR TO INSTALLATION. DROP-IN ANCHORS ARE NOT ACCEPTABLE.

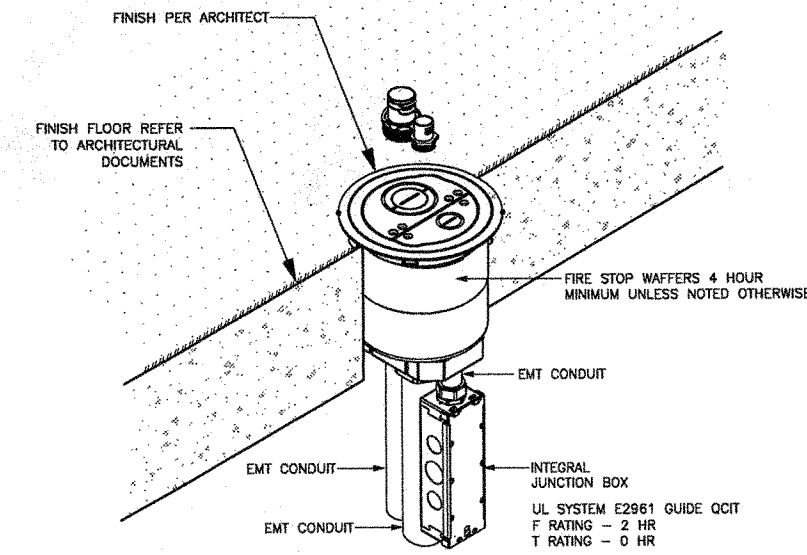
3 CONDUIT TRAPEZE SUPPORT
SCALE: NONE



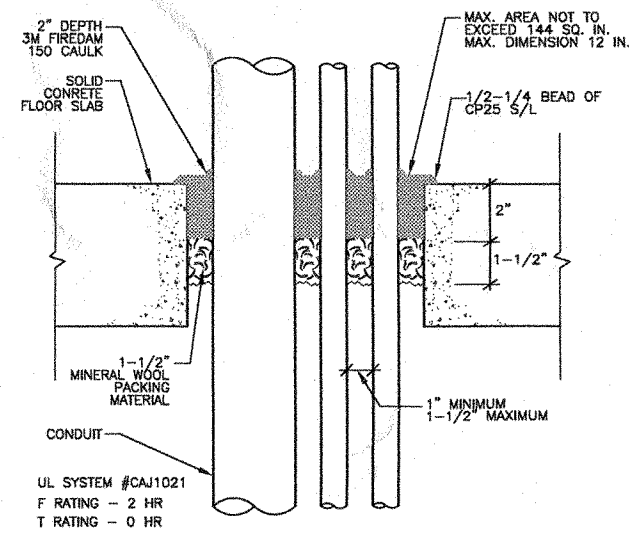
NOTE:

1. MAXIMUM LOADING ON ANY ONE COMPONENT TO BE NO MORE THAN 1/2 THE MAXIMUM SAFE LOADING FOR THAT COMPONENT.
2. IF GREATER LOADING CAPACITIES ARE REQUIRED, PROVIDE CALCULATIONS SIGNED BY LICENSED STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

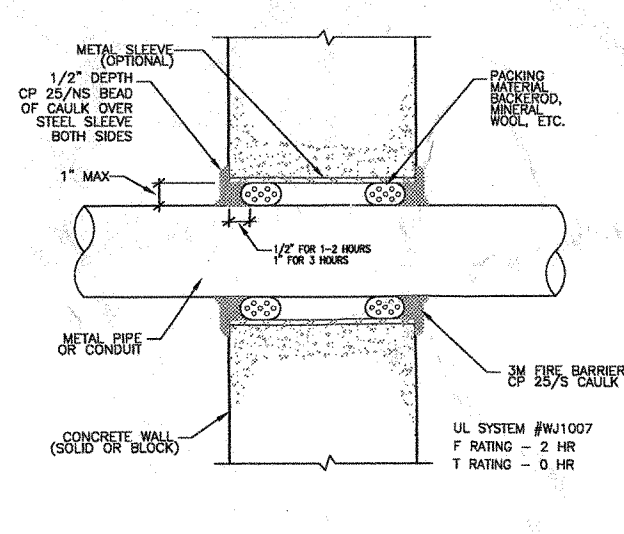
4 SINGLE CONDUIT SUPPORT
SCALE: NONE



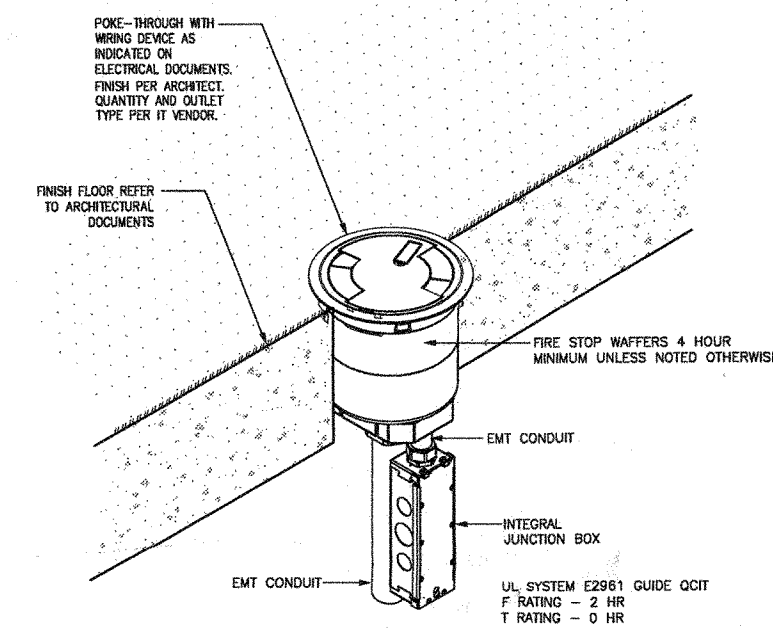
7 FIRE RATED POKE-THROUGH POWER/DAT/TEL FURNITURE CONNECTIONS INSTALLATION
SCALE: NONE



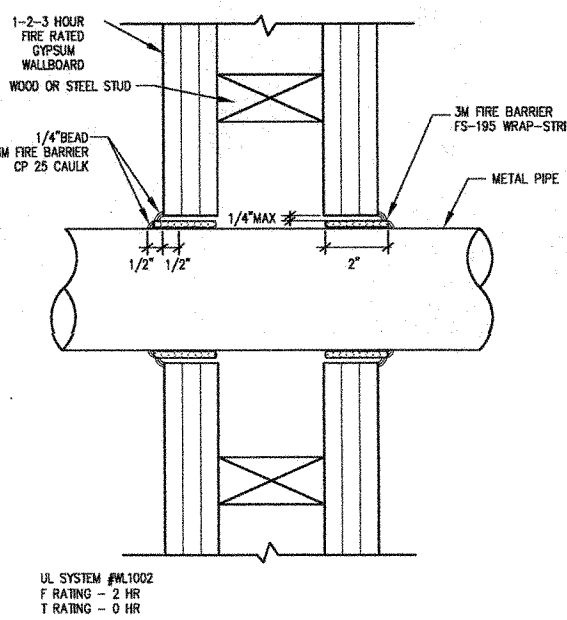
5 FIRE RATED POKE-THROUGH OUTLET INSTALLATION
SCALE: NONE



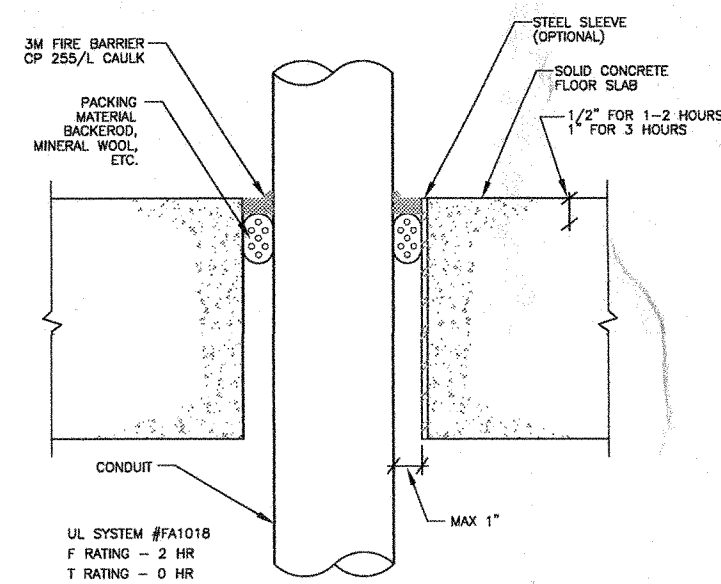
8 FIRESTOPPING CONCRETE SLAB SINGLE CONDUIT
SCALE: NONE



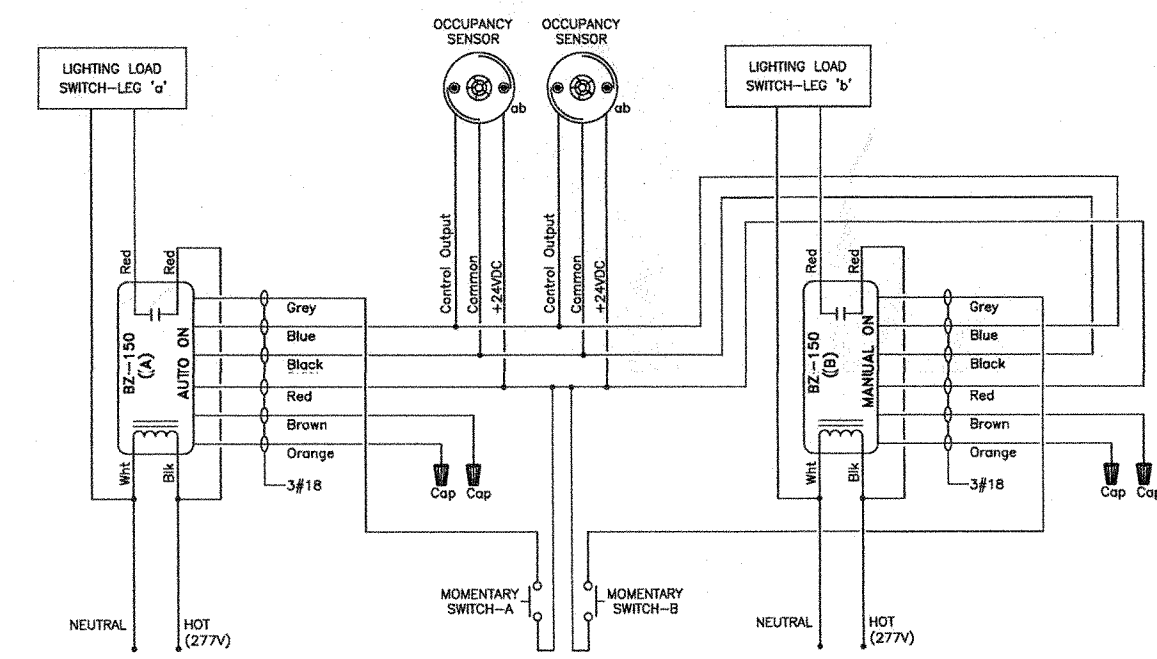
9 FIREPROOFING POKE-THROUGH POWER/DATA/TEL OUTLETS INSTALLATION
SCALE: NONE



6 FIREPROOFING THROUGH GYPSUM WALL
SCALE: NONE



2 FIRESTOPPING CONCRETE SLAB SINGLE CONDUIT
SCALE: NONE



1 OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



1800 Solar Drive
Oxnard, CA 93030

Gensler

1230 Avenue of the Americas
Suite 1500
New York, NY 10020
Telephone 212.492.1400
Facsimile 212.492.1472

SYSKA HENNESSY GROUP
A member company of SH Group, Inc.
Syska Hennessy Group, Inc.
800 Corporate Pointe
Suite 200
Culver City, Ca. 90230
Tel: 310.312.0200
Fax: 310.473.7468
www.syska.com

Issue	Date & Issue Description	By	Check
01	07/31/12		
	PLAN CHECK		
1	08/13/12		
	ISSUE FOR CONSTRUCTION		
2	08/21/12		
	BULLETIN 1		
3	10/09/12		
	BULLETIN 2		
4	10/23/12		
	REVISED FOR PLAN CHECK		
5	11/19/12		
	BULLETIN 3		
6	02/21/13		
	BULLETIN 4		

Seal/Signature

Project Name
VERIZON V.I.P.

Project Number
VZCOX000
VZCOX000
CAD File Name
PALAOCFVZCOX000DrawingsSheetsE-501-VZCOX000.dwg
Description
ELECTRICAL DETAILS

Scale
NONE

E-501

©2013 Gensler

The corner tick marks represent the 30"x48" plot area.

1H (EXISTING)		BUS RATING: 100A															
TYPE: 100A NCB		BREAKER SIZE: 100A NCB															
SUPPLY VOLTAGE: 480/277V 3 PH, 4 WIRE		NEUTRAL BUS (NOM/200%): 100%															
NORMAL SUPPLY ORIGIN: FED FROM MIB		BRACING (AMPS):															
EMERGENCY SUPPLY ORIGIN: SHORT CIRCUIT AVAILABLE		SHORT CIRCUIT AVAILABLE:															
LOCATION OF ORIGIN: DERATED FACTOR:		DERATED FACTOR:															
FEEDER SIZE (MIB): 400/90, 3/12"		REVISION DATE: 01/29/12															
TRANSFORMER SIZE (KVA):		VERIFICATION DATE:															
SITE: Verizon Call Center 1800 Solar Drive, Oxnard, CA FL 93030																	
STATUS	VERIFIED (Y/N)	OUTLET TYPE	WIRE SIZE	LOCATION	TYPE	QTY.	CONN. (VA)			EQUIPMENT DESCRIPTION	QTY.	TYPE	LOCATION	WIRE SIZE	OUTLET TYPE	STATUS	
							A	B	C								
U		L					1	1	2	20	1	1800					
U		L					1	3	4	20	1	1800					
U		L					1	5	5	20	1	1800					
U		L					1	7	8	20	1	1400					
U		L					1	9	10	20	1	1400					
U		L					1	11	12	20	1	1400					
U		L					1	13	14	20	1	1400					
U		L					1	15	16	20	1	1400					
U		L					1	17	18	20	1	1400					
U		L					1	19	20	20	1	1400					
U		L					1	21	22	20	1	1400					
U		L					1	23	24	20	1	1400					
U		L					1	25	26	20	1	1400					
U		L					1	27	28	20	1	1400					
U		L					1	29	30	20	1	1400					
U		L					1	31	32	20	1	1500					
U		L					1	33	34	20	1	1500					
U		L					1	35	36	20	1	1500					
U		L					1	37	38	20	1	1800					
U		L					1	39	40	20	1	1800					
U		L					1	41	42	20	1	1800					
U		L					1	43	44	20	1	1800					
U		L					1	45	46	20	1	1800					
U		L					1	47	48	20	1	1800					
U		L					1	49	50	20	1	1800					
U		L					1	51	52	20	1	1800					
U		L					1	53	54	20	1	1800					
U		L					1	55	56	20	1	1800					
U		L					1	57	58	20	1	1800					
U		L					1	59	60	20	1	1800					
U		L					1	61	62	20	1	1800					
U		L					1	63	64	20	1	1800					
U		L					1	65	66	20	1	1800					
U		L					1	67	68	20	1	1800					
U		L					1	69	70	20	1	1800					
U		L					1	71	72	20	1	1800					
U		L					1	73	74	20	1	1800					
U		L					1	75	76	20	1	1800					
U		L					1	77	78	20	1	1800					
U		L					1	79	80	20	1	1800					
U		L					1	81	82	20	1	1800					
U		L					1	83	84	20	1	1800					
U		L					1	85	86	20	1	1800					
U		L					1	87	88	20	1	1800					
U		L					1	89	90	20	1	1800					
U		L					1	91	92	20	1	1800					
U		L					1	93	94	20	1	1800					
U		L					1	95	96	20	1	1800					
U		L					1	97	98	20	1	1800					
U		L					1	99	100	20	1	1800					
U		L					1	101	102	20	1	1800					
U		L					1	103	104	20	1	1800					
U		L					1	105	106	20	1	1800					
U		L					1	107	108	20	1	1800					
U		L					1	109	110	20	1	1800					
U		L					1	111	112	20	1	1800					
U		L					1	113	114	20	1	1800					
U		L					1	115	116	20	1	1800					
U		L					1	117	118	20	1	1800					
U		L					1	119	120	20	1	1800					
U		L					1	121	122	20	1	1800					
U		L					1	123	124	20	1	1800					
U		L					1	125	126	20	1	1800					
U		L					1	127	128	20	1	1800					
U		L					1	129	130	20	1	1800					
U		L					1	131	132	20	1	1800					
U		L					1	133	134	20	1	1800					
U		L					1	135	136	20	1	1800					
U		L					1	137	138	20	1	1800					
U		L					1	139	140	20	1	1800					
U		L					1	141	142	20	1	1800					
U		L					1	143	144	20	1	1800					
U		L					1	145	146	20	1	1800					
U		L					1	147	148	20	1	1800					
U		L					1	149	150	20	1	1800					
U		L					1	151	152	20	1	1800					
U		L					1	153	154	20	1	1800					
U		L					1	155	156	20	1	1800					
U		L					1	157	158	20	1	1800					
U		L					1	159	160	20	1	1800					
U		L					1	161	162	20	1	1800					
U		L					1	163	164	20	1	1800					
U		L					1	165	166	20	1	1800					
U		L					1	167	168	20	1	1800					
U		L					1	169	170	20	1	1800					
U		L					1	171	172	20	1	1800					
U		L					1	173	174	20	1	1800					
U		L					1	175	176	20	1	1800					
U		L					1	177	178	20	1	1800					
U		L					1	179	180	20	1	1800					
U		L					1	181	182	20	1	1800					
U		L					1	183	184	20	1	1800					
U		L					1	185	186	20	1	1800					
U		L					1	187	188	20	1	1800					
U		L					1	189	190	20	1	1800					
U		L					1	191	192	20	1	1800					
U		L					1	193	194	20	1	1800					
U		L					1	195	196	20	1	1800					
U		L					1	197	198	20							

DESIGNATION: 2L1 (EXISTING)															BUS RATING: 25A									
TYPE: 200/20V 3 PH, 4 WIRE															BREAKER SIZE: 100A MCB									
NORMAL SUPPLY ORIGIN: FED FROM PANEL 2L															NEUTRAL BUS (N/100/200%): 100%									
EMERGENCY SUPPLY ORIGIN: -															BRACING (AMPS): -									
LOCATION OF ORIGIN: -															SHORT CIRCUIT AVAILABLE: -									
FEEDER SIZE (MINS): 4#1 + 1#6/2, 1-1/2" C.															DERATED FACTOR: -									
TRANSFORMER SIZE (KVA): 75KVA															REVISION DATE: 01/20/12									
VERIFICATION DATE: -															DATE LAST MEASURED: -									
STATUS	VERIFIED (Y/N)	OUTLET TYPE	WIRE SIZE	LOCATION	TYPE	QTY.	CONN. (VA)			TRIP	POLE	CKT. NO.	TRIP	CONN. (VA)			EQUIPMENT DESCRIPTION	QTY.	TYPE	LOCATION	WIRE SIZE	OUTLET TYPE	VERIFIED (Y/N)	STATUS
U		R			(E) WORK STATION	540	20	1	1	2	20	1	540				(E) WORK STATION	R						U
U		R			(E) WORK STATION	540	20	1	3	4	20	1	540				(E) WORK STATION	R						U
U		R			(E) WORK STATION	540	20	1	5	6	20	1	540				(E) WORK STATION	R						U
U		R			(E) WORK STATION	540	20	1	7	8	20	1	540				(E) WORK STATION	R						U
U		R			(E) WORK STATION	540	20	1	9	10	20	1	720				PLUG WELD	4	R					U
U		R			(E) WORK STATION	540	20	1	11	12	20	1	540				(E) FILING MACHINE	1	N					U
U		R			(E) WORK STATION	540	20	1	13	14	20	1	800				(E) COPY MACHINE	1	N					U
U		R			(E) WORK STATION	540	20	1	15	16	20	1	400				(E) VAV-18	1	N					U
U		R			(E) LOAD	540	20	1	17	18	20	1	400				(E) VAV-12	1	N					U
U		R			(E) VAV-6	400	20	1	19	20	20	1	400				(E) VAV-9	1	N					U
U		N			(E) VAV-7	400	20	1	21	22	20	1	400				(E) VAV-5	1	N					U
U		N			(E) VAV-8	400	20	1	23	24	20	1	400				(E) VAV-11	1	N					U
U		N			(E) TV MONITOR	300	20	1	25	26	20	1	540				(E) LOAD	1	N					U
U		N			(E) TV MONITOR	300	20	1	27	28	20	1	540				(E) TV MONITOR	1	N					U
U		N			(E) TV MONITOR	300	20	1	29	30	20	1	540				(E) TV MONITOR	1	N					U
U		N			(E) TV MONITOR	300	20	1	31	32	20	1	540				(E) TV MONITOR	1	N					U
U		N			(E) TV MONITOR	300	20	1	33	34	20	1	540				(E) TV MONITOR	1	N					U
U		N			(E) TV MONITOR	300	20	1	35	36	20	1	540				(E) TV MONITOR	1	N					U
U		N			(E) TV MONITOR	300	20	1	37	38	20	1	540				(E) TV MONITOR	1	N					U
U		N			(E) TV MONITOR	300	20	1	39	40	20	1	720				TRNG RM 215 FLR QUAD REC	2	R					U
U		N			(E) TV MONITOR	300	20	1	41	42	20	1	720				TRNG RM 215 FLR QUAD REC	2	R					U
U		N			(E) TV MONITOR	300	20	1	43	44	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	45	46	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	47	48	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	49	50	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	51	52	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	53	54	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	55	56	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	57	58	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	59	60	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	61	62	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	63	64	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	65	66	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	67	68	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	69	70	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	71	72	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	73	74	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	75	76	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	77	78	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	79	80	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	81	82	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	83	84	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	85	86	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	87	88	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	89	90	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	91	92	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	93	94	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	95	96	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	97	98	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	99	100	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	101	102	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	103	104	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	105	106	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	107	108	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	109	110	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	111	112	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	113	114	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	115	116	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	117	118	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	119	120	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	121	122	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	123	124	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	125	126	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	127	128	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	129	130	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	131	132	20	1	600				(E) TELEPHONE	1	N					U
U		N			(E) TV MONITOR	300	20	1	133	134	20	1	600				(E) TELEPHONE	1	N					

DESIGNATION: 3L2 (EXISTING)		BUS RATING: 250A													
TYPE: 3 PH, 4 WIRE		BREAKER SIZE: 100A MCB													
SUPPLY VOLTAGE: 208/200V		NEUTRAL BUS (90%/100%): 100%													
NORMAL SUPPLY ORIGIN: FED FROM PANEL 3L3		BRACING (AMPS):													
EMERGENCY SUPPLY ORIGIN:		SHORT CIRCUIT AVAILABLE:													
LOCATION OF ORIGIN:		DERATED FACTOR:													
FEEDER SIZE (MCM): #1 + 180ND, 1-1/2"		REVISION DATE: 10/20/12													
TRANSFORMER SIZE (KVA): 75KVA		VERIFICATION DATE:													
SITE: Verizon Call Center 1800 Solar Drive, Oxnard, CA, FL 93030															
STATUS	VERIFIED (Y/N)	OUTLET TYPE	WIRE SIZE	LOCATION	TYPE	QTY.	CONN. (VA)	CONN. (VA)	EQUIPMENT DESCRIPTION	QTY.	TYPE	LOCATION	WIRE SIZE	VERIFIED (Y/N)	STATUS
U		R			(E) WORKSTATION	540	20	1	2	20	1	540			U
U		R			(E) WORKSTATION	540	20	1	3	4	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	5	6	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	7	8	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	9	10	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	11	12	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	13	14	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	15	16	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	17	18	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	19	20	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	21	22	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	23	24	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	25	26	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	27	28	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	29	30	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	31	32	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	33	34	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	35	36	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	37	38	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	39	40	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	41	42	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	43	44	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	45	46	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	47	48	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	49	50	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	51	52	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	53	54	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	55	56	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	57	58	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	59	60	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	61	62	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	63	64	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	65	66	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	67	68	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	69	70	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	71	72	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	73	74	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	75	76	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	77	78	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	79	80	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	81	82	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	83	84	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	85	86	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	87	88	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	89	90	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	91	92	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	93	94	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	95	96	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	97	98	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	99	100	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	101	102	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	103	104	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	105	106	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	107	108	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	109	110	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	111	112	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	113	114	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	115	116	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	117	118	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	119	120	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	121	122	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	123	124	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	125	126	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	127	128	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	129	130	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	131	132	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	133	134	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	135	136	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	137	138	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	139	140	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	141	142	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	143	144	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	145	146	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	147	148	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	149	150	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	151	152	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	153	154	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	155	156	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	157	158	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	159	160	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	161	162	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	163	164	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	165	166	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	167	168	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	169	170	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	171	172	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	173	174	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	175	176	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	177	178	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	179	180	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	181	182	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	183	184	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	185	186	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	187	188	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	189	190	20	1	540		U
U		R			(E) WORKSTATION	540	20	1	191	192	20	1	540		

