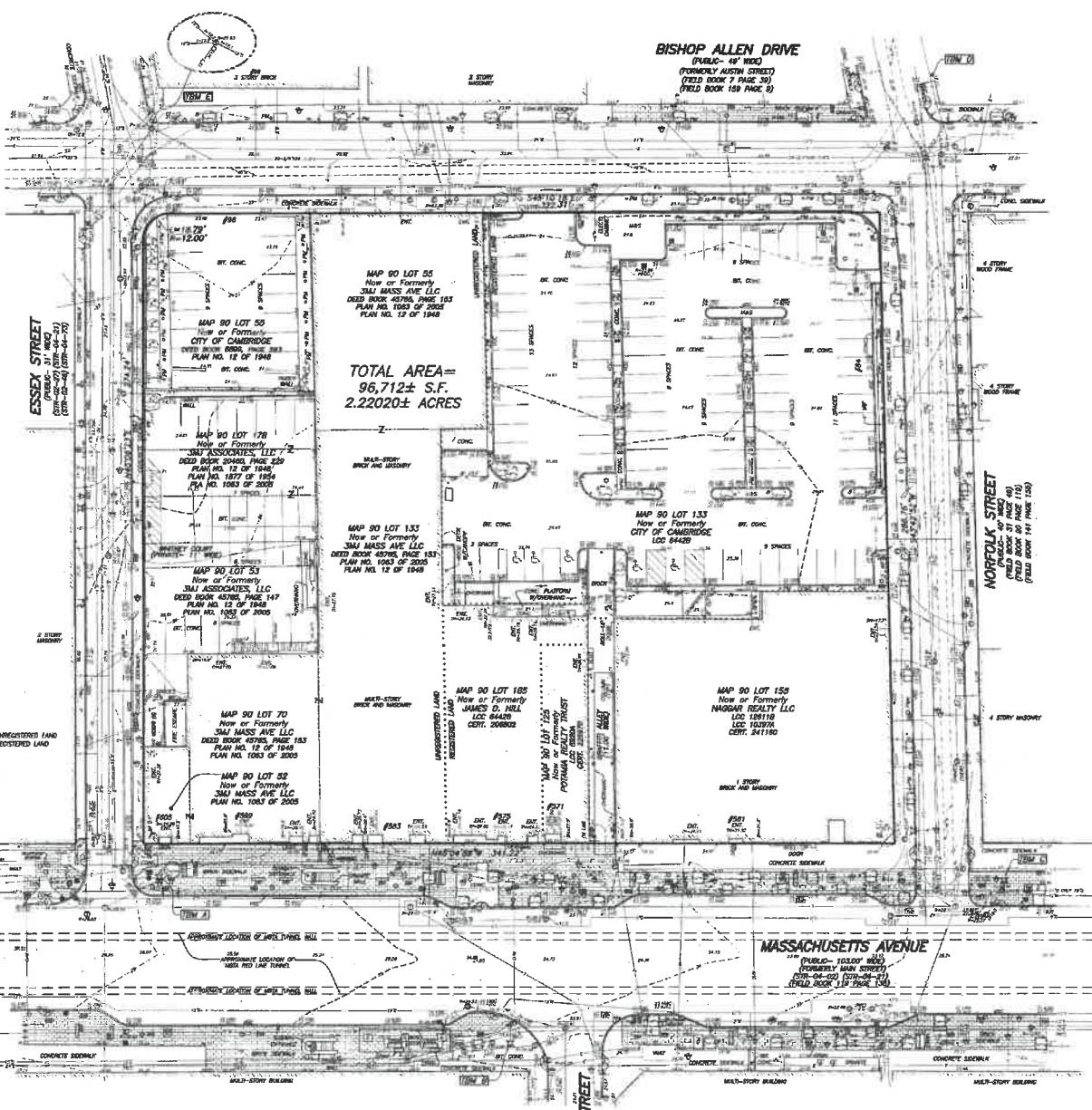


BISHOP ALLEN DRIVE
(PUBLIC - 49' WIDE)
(FORMERLY AUSTIN STREET)
(FIELD BOOK 7 PAGE 30)
(FIELD BOOK 169 PAGE 8)



TOTAL AREA=
96,712± S.F.
2.22020± ACRES

LEGEND:

- | | | | |
|---|---------------------------|-----|-----------------------|
| ○ | SEWER MANHOLE | --- | VERTICAL CURVE CURS |
| ○ | DRAIN MANHOLE | --- | CONCRETE CURS |
| ○ | ELECTRIC MANHOLE | --- | CHAIN LINK FENCE |
| ○ | WATER MANHOLE | --- | REINFORCED IRON FENCE |
| ○ | TELEPHONE MANHOLE | --- | LANSCAPE TUBER |
| ○ | CABLE TV MANHOLE | --- | REINFORCING |
| ○ | MANHOLE | --- | CONCRETE |
| ○ | HYDRANT | --- | STAINLESS |
| ○ | WATER SHUT OFF | --- | CONCRETE |
| ○ | CATCH BASIN | --- | TOP OF STEPS |
| ○ | TRAFFIC CONTROL BOX | --- | TOP OF MAIL |
| ○ | TRAFFIC SIGNAL | --- | BOTTOM OF MAIL |
| ○ | UTILITY POLE | --- | TOP OF CURB |
| ○ | LIGHT POLE | --- | BOTTOM OF CURB |
| ○ | ELECTRIC BANCHOLE | --- | TOP ELEVATION |
| ○ | SCULLARD | --- | MINIUM ELEVATION |
| ○ | MAIL BOX | --- | TOP OF DECK |
| ○ | ZOOM | --- | CENTRELINE OF TROUGH |
| ○ | PARKING METER | --- | BOTTOM ELEVATION |
| ○ | IRIGATION CONTROL VALVE | --- | WINDSHIELD |
| ○ | CLEAN OUT | --- | NO VISIBLE PIPES |
| ○ | CUL CHUTE | --- | TOP OF ROOF |
| ○ | PIPE ALARM | --- | TOP OF CURBS |
| ○ | SEMI PERMANENT CONNECTION | --- | FRAM OF DECK |
| ○ | ORNAIMENTAL LIGHT | --- | FRAM OF WATER |
| ○ | CAN METER | --- | SQUARE FEET |
| ○ | FRESH RECEPTION | --- | MULTI & SHAPES |
| ○ | HANDICAP PARKING SPACE | --- | LAND COURT CASE |
| ○ | DECIDUOUS TREE | --- | BACK |
| ○ | HANDICAP RAMP | --- | DECK |
| ○ | BENCH | --- | THRESHOLD |
| ○ | BICYCLE RACK | --- | GUARD RAIL |
| ○ | BICYCLE POST | --- | FENCE |
| ○ | ORIG FOOT | --- | CONCRETE |
| ○ | TEMPORARY BENCH MARK | --- | CONCRETE |
| ○ | CALC | --- | CONCRETE |
| ○ | ENTRANCE | --- | CONCRETE |
| ○ | FRESH FLOOR ELEVATION | --- | CONCRETE |
| ○ | BUILDING HEIGHT | --- | CONCRETE |
| ○ | OVERHEAD DOOR | --- | CONCRETE |

NOTES:

- 1) BENCHMARK INFORMATION
BENCHMARK USED: CHECKED SQUARE ON STONE BOUND WITH SMALL HOLE LOCATED AT THE CORNER OF GREEN STREET AND WESTERN AVENUE. ELEVATION= 27.52
STATION FROM A PLAN ENTITLED "SITE PLAN, 348-357 GREEN STREET, CAMBRIDGE, MASS. DATED NOVEMBER 1, 2001 PREPARED BY HARRY R. FELDMAN, INC. AS SHOWN ON PLAN. ELEVATION= 28.53
TEMPORARY BENCHMARK SET:
TIM A - X CUT ON RIGHT FRONT BOLT OF HYDRANT LOCATED AT THE CORNER OF NORFOLK STREET AND MASSACHUSETTS AVENUE, AS SHOWN ON PLAN. ELEVATION= 28.53
TIM B - X CUT ON RIGHT FRONT BOLT OF HYDRANT LOCATED AT THE CORNER OF PEARL STREET AND MASSACHUSETTS AVENUE, AS SHOWN ON PLAN. ELEVATION= 27.23
TIM C - X CUT ON RIGHT FRONT BOLT OF HYDRANT LOCATED AT THE CORNER OF NORFOLK STREET AND MASSACHUSETTS AVENUE, AS SHOWN ON PLAN. ELEVATION= 28.41
TIM D - RIGHT OUTER CORNER OF LOWEST STONE STEP LOCATED AT NO. 46 BISHOP ALLEN DRIVE, AS SHOWN ON PLAN. ELEVATION= 23.11
TIM E - RIGHT OUTER CORNER OF LOWEST STONE STEP LOCATED AT NO. 58 BISHOP ALLEN DRIVE, AS SHOWN ON PLAN. ELEVATION= 23.48
- 2) ELEVATIONS REFER TO CITY OF CAMBRIDGE DATUM.
- 3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.
- 4) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATION OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFORESAID RECORD PLANS AND ARE APPROXIMATE ONLY. THE CONTRACTOR ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OBTAINED OR INCORRECTLY OBTAIN ON SAID RECORD PLANS. SAID SURFACE UTILITIES CANNOT BE VISIBLY IDENTIFIED. BEFORE PLANNING FUTURE CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUB-SURFACE UTILITIES SHOWN BY RECORDS AT THE FIELD CALL, TOLL FREE, THE 800 SWIFT CALL CENTER AT 1-800-344-2233. SECURITY-TWO HOURS PRIOR TO CONSTRUCTION. THE ABOVE ELEVATION PLANS PROVIDED ARE SCHEMATIC AND MAY NOT BE COMPLETE OR ACCURATE.
- 5) THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF HARRY R. FELDMAN, INC. ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO HARRY R. FELDMAN, INC.'S SERVICE UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY PURPOSE BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY HARRY R. FELDMAN, INC.
- 6) LOCATION OF UNDERGROUND WIRE TRENCH, WALLS AND SHOWN FROM SURFACE UTILITY PLANS. THERE ARE MANY ADDITIONAL WALLS AND UTILITY LINES OWNED BY THE METRO WITHIN MASSACHUSETTS AVENUE TO SURVEY AND SUPPLY INFORMATION TO THE FIELD. SUCH LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE AND FIELD VERIFIED PRIOR TO CONSTRUCTION.
- 7) EJECTS OF SEWER AND DRAIN NOT OBTAINED ON THE FAR SIDE OF MASSACHUSETTS AVENUE FROM LOCAL.
- 8) TO DATE HARRY R. FELDMAN, INC. HAS NOT RECEIVED PLANS SHOWING UNDERGROUND TELEPHONE LINES FROM METRO.

EXISTING CONDITIONS PLAN OF LAND
NO. 941-605 MASSACHUSETTS AVENUE
NO. 84 NORFOLK STREET
NO. 96 BISHOP ALLEN DRIVE
CAMBRIDGE, MASS.

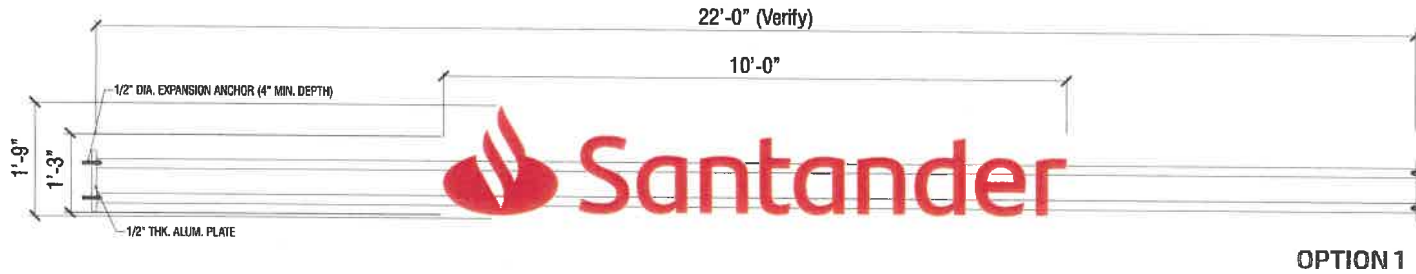
SCALE: 1"=50'
HARRY R. FELDMAN, INC. LAND SURVEYORS
112 SHAWMUT AVENUE BOSTON, MASS. 02118
PHONE: (617)337-9740
www.harryfeldman.com

FELDMAN
Professional Land Surveyors

APRIL 8, 2012
FIELD BOOK 118
FIELD BOOK 119
FIELD BOOK 117 (PAGE 174)

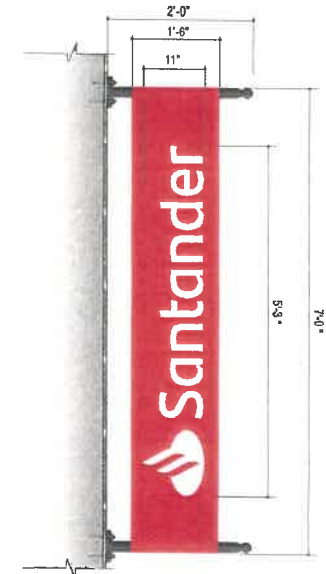
PROSDOM FIELD SHEET NO. 118A MAP DATE APPROVED SHEET NO. 1 OF 1
C&D CON C&D PLAN FIELD CHECKED C&D FILE 13611 FOR NO. 13611
FILED IN: 3/19/2012 12:00 PM 13611 13611-01





OPTION 1

- 1 RED ILLUM. CHANNEL LETTERS ON RACEWAY B/G (RIRCL-15-2018)** Qty 1
 SCALE: 3/16" = 1'-0"
 17.5 sq. ft. (Letters)



2 NEW D/E FLAG SIGN BANNER 10.5 SQ. FT.
 Scale 3/4" = 1'-0"

EXTERIOR GRADE BANNER MATERIAL TO MATCH PANTONE 485CP
 2" ROLLPOCKETS AT TOP AND BOTTOM

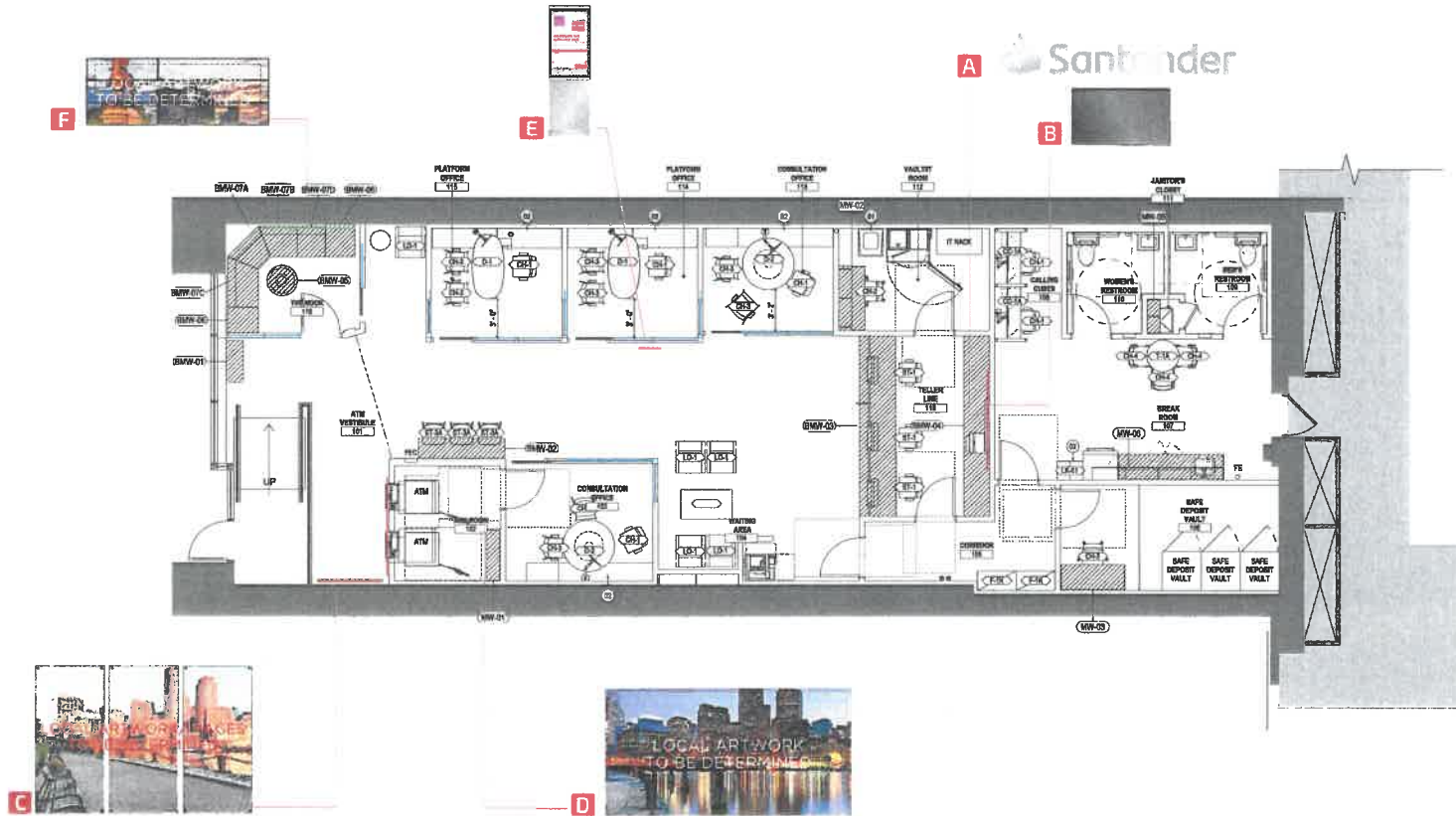


PROPOSED RENDERING

Code Info

General Limitations for All Signs Permitted in the City of Cambridge

- A. Signs shall be stationary and may not contain any visible moving or moveable parts.
- B. All lighting shall be indirect, continuous, and installed in a manner that will prevent direct light from shining onto any street or adjacent property. Flashing or intermittent light creating flashing, moving, changing or animated graphics is prohibited, except that a warning sign, a device intended to tell the time and temperature, or official traffic and directional signs may have intermittent illumination.
- C. No illumination shall be permitted after 11 P.M. in any Residence A, B, C, or C-1 district.
- D. No sign, portion of a sign, or structural support for such sign may extend above the lowest point of the roof of a building, except that for one-story buildings having a continuous parapet above the lowest point of the roof, signs may be placed below the highest point of such parapet rather than below the lowest point of the roof.
- E. Except as may be provided elsewhere in this ordinance for temporary signs, all signs shall be permanently mounted on a building or structure or permanently implanted in the ground. All graphic images on a sign shall be of durable material.



Interior Signage Key

- A** INTERIOR DIMENSIONAL LETTERS Qty. 1
- B** INTERIOR DISPLAY - SAMSUNG QM 65 Qty. 1
- C** INTERIOR ARTWORK PANEL Qty. 1
- D** INTERIOR WALL MURAL GRAPHIC Qty. 1
- E** INTERIOR SINGLE SIDED MULTIMEDIA DISPLAY Qty. 1
- F** INTERIOR NOOK OFFICE ARTWORK Qty. 1



CC# 630
Central Square
599 Massachusetts Avenue,
Cambridge, MA 02139

ISSUE FOR BID&PERMIT

03/21/2019

CBRE

Project Manager
2 Morrissey Blvd,
Dorchester, MA 02125
T: 617 483 2885
Attn: Annette Hicks

Gensler

Architect
1 Beacon St.
3rd Floor
Boston, MA 02108
T: 617.619.5700
Attn: Marc Sides

SYSKA HENNESSY GROUP

MEP Engineers
10 Post Office Square, Suite 725
Boston, MA 02109
T: 617.682.4745
Attn: Christopher Kruger

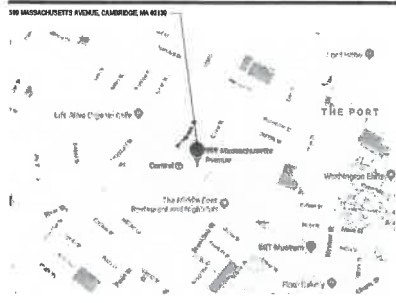
TF Moran

Structural Engineer
48 Constitution Drive
Bedford, NH 03110
T: 603.472.4488
Attn: Paul Sbacchi

ABBREVIATIONS

Table of abbreviations and their corresponding full names, such as ACCES ACCESSORY, AFF ABOVE FINISHED FLOOR, AL ALUMINUM, etc.

LOCATION MAP



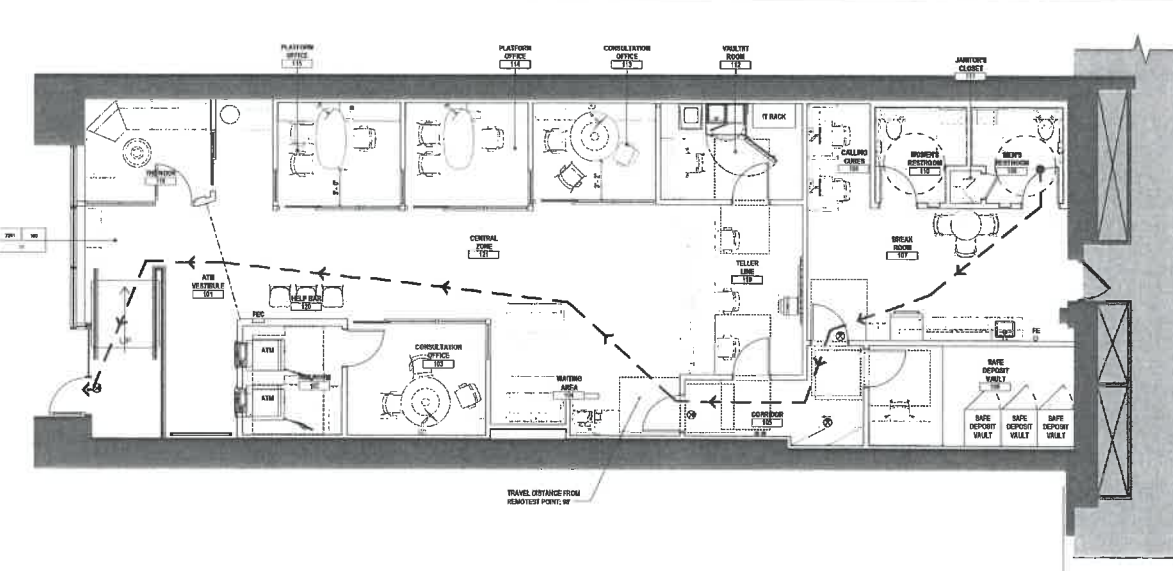
CODE AND LIFE SAFETY DATA

PROJECT INFORMATION: Project Name: Santander - Central Square, Cambridge; Project Address: 588 Massachusetts Avenue, Cambridge, MA 02139; Proposed Use: 224 S.F. - BUSINESS; Occupancy: BUSINESS GROUP 8; Construction Type: B-8; Max. Floor Area per Occupant Per Table: 104.11; Building Code: 800 2015 AMENDMENT MASSACHUSETTS STATE BUILDING CODE CMR 780.07A EDITION; Plumbing Code: 248 CMR 180.00 - UNIFORM STATE PLUMBING CODE; Electrical Code: 822 CMR 120B - MASSACHUSETTS ELECTRICAL CODE WHICH IS AN AMENDED VERSION OF THE 2011 EDITION OF NFPA 70 NATIONAL ELECTRICAL CODE; Fire Code: 2015 EDITION OF THE INTERNATIONAL FIREBOAT CODE (IFBC) AS APPROVED BY THE STATE OF MASSACHUSETTS; International Mechanical Code (IMC) 2015 EDITION AS AMENDED BY 780 CMR 30.00; Fire Alarm Code: MASSACHUSETTS FIRE PREVENTION REGULATIONS, 822 CMR 18.00; Accessibility Standards: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (CMB) 821, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

DRAWING INDEX

Table listing drawing sheets and their contents: ARCHITECTURAL: A00.06 TRAINING AND LIFE SAFETY PROJECT INFORMATION; A00.10 GENERAL NOTES AND PHYSICAL SECURITY DETAILS; A00.11 ACCESSIBILITY INFORMATION; A00.20 WALL PARTITION TYPES; VIB.20 DOOR & HARDWARE SCHEDULES; A00.30 SECTION PLAN; A00.40 DISTRIBUTION PLAN; A00.50 POWERSCHEM & EQUIPMENT PLAN - LEVEL 1; A00.60 FLOOR PLAN; A00.70 REFLECTED CEILING PLAN - LEVEL 1; A00.80 FINISH PLAN - LEVEL 1; A00.90 FIREPROOFING PLAN - LEVEL 1; A01.01 INTERIOR ELEVATIONS - FRONT OF HOUSE; A01.02 INTERIOR ELEVATIONS - BACK OF HOUSE; A01.03 EXTERIOR ELEVATIONS; A01.04 ENLARGED PLAN & ELEVATIONS; A01.05 ENLARGED SECTION & ELEVATIONS; A01.06 ENLARGED WINDOW PLAN & ELEVATIONS; A01.07 TYPICAL DETAILS; MECHANICAL: M-001 MECHANICAL COVER SHEET; M-101 MECHANICAL SPACE UTILITIES; M-102 MECHANICAL FLOOR PLAN; M-103 MECHANICAL CEILING PLAN; M-104 MECHANICAL ELECTRICAL; ELECTRICAL: E-001 ELECTRICAL COVER SHEET; E-002 ELECTRICAL SCHEDULES; E-003 ELECTRICAL PANEL & SCHEDULES; E-004 ELECTRICAL SYMBOL PLAN; E-005 ELECTRICAL POWER PLAN; FIRE ALARM: FAL-001 FIRE ALARM COVER SHEET; FAL-002 FIRE ALARM PLAN; FAL-003 FIRE ALARM DETAILS; PLUMBING: P-001 PLUMBING COVER SHEET; P-002 PLUMBING SPACE UTILITIES; P-003 PLUMBING FLOOR PLAN; P-004 PLUMBING ROOF CONSTRUCTION PLAN; FIRE PROTECTION: FPC-001 FIRE PROTECTION COVER SHEET; FPC-002 FIRE PROTECTION SCHEDULES; FPC-003 FIRE PROTECTION FLOOR PLAN; FPC-004 FIRE PROTECTION DETAILS; STRUCTURAL: S-001 GENERAL STRUCTURAL NOTES, FLOOR AND CEILING; S-002 STRUCTURAL PLANE, SECTION AND DETAILS.

EGRESS PLAN



COE E30 Central Square 588 Massachusetts Avenue, Cambridge, MA 02139

Gensler

One Mount Street 19th Floor Boston, MA 02119 United States Tel 617.412.5570 Fax 617.512.5570

Table with columns Delta and Description: 1. REV. 2016 ISSUE FOR MEASUREMENT

Scale/Signature

Project Name: Santander - Central Square, Cambridge; Project Number: 11.6850.127

Drawn by: DRAWING INDEX, LIFE SAFETY & PROJECT INFORMATION

Scale: 1/4" = 1'-0"; TRUE NORTH; PLAN NORTH

A00.00

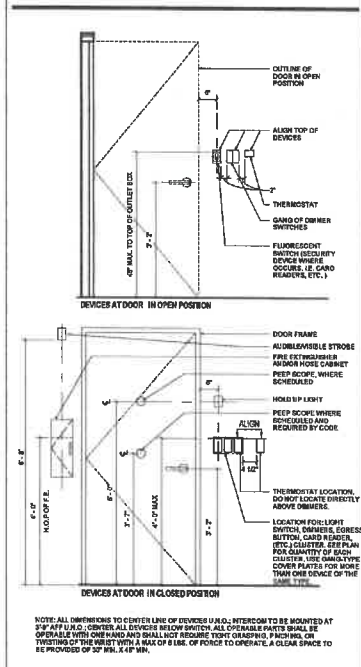
CONSTRUCTION GENERAL NOTES

- 1. BEFORE COMMENCING WORK CONTRACTOR SHALL GATHER... 2. MAINTAIN CLEARANCE OF ALL WORK AND A CONSTRUCTION... 3. ALL WORK DESCRIBED IN THESE DOCUMENTS AND ALL WORK... 4. PROJECT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. ALL CONSTRUCTION SHALL BE ACCORDING TO STRAIGHT... 12. PROTECT EXISTING WORK AND ADJACENT AREAS FROM DAMAGE...

FIRE DEPARTMENT NOTES

- 1. PROVIDE EIGHT (8) EXIT SIGNS REQUIRED BY LOCAL... 2. MAINTAIN CLEARANCE OF ALL WORK AND A CONSTRUCTION... 3. ALL WORK DESCRIBED IN THESE DOCUMENTS AND ALL WORK... 4. PROJECT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. ALL CONSTRUCTION SHALL BE ACCORDING TO STRAIGHT... 12. PROTECT EXISTING WORK AND ADJACENT AREAS FROM DAMAGE...

TYPICAL MOUNTING HEIGHTS



ACCESSIBILITY NOTES

- 1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR...

GENERAL NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE... 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR...

GENERAL SAFETY PLAN

- 1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR...

REFLECTED CEILING NOTES

- 1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR...

POWER & COMMUNICATION NOTES

- 1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR... 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR...

Santander logo and address: 658 Massachusetts Avenue, Cambridge, MA 02139

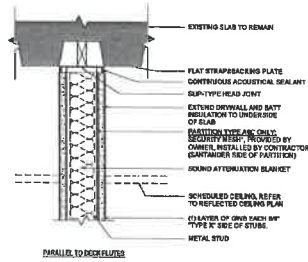
Genier logo and address: One Beacon Street, Boston, MA 02108

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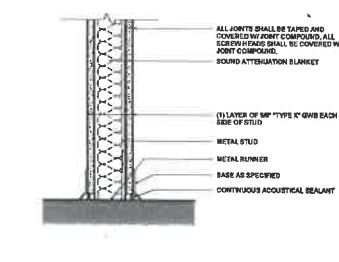
Project Name: Santander - Central Square, Cambridge. Project Number: 11.6550.127. Date: 01/15/2010.

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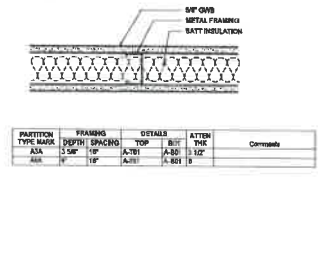
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PARTITION HEAD DETAIL
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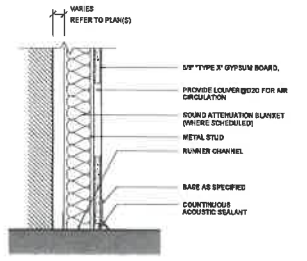


PARTITION BASE DETAIL
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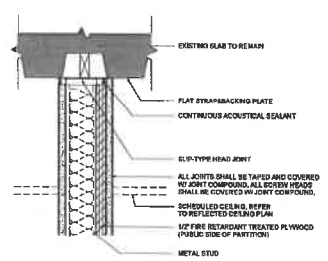


A SERIES PARTITION TYPES
SCALE: 3/4" = 1'-0"

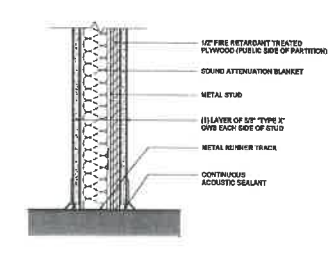
PARTITION TYPE MARK	FRAMING DEPTH (SPACING)	DETAILS TOP	BOF	ATTEN THK	Comments
AA	1 1/2\"/>				
AB	1 1/2\"/>				



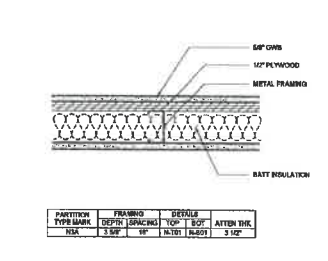
PARTITION BASE DETAIL
SCALE: 3/4" = 1'-0"



PARTITION HEAD DETAIL
SCALE: 3/4" = 1'-0"

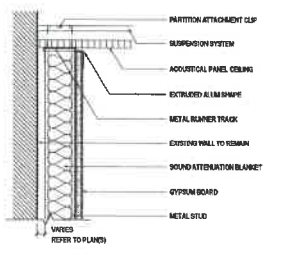


PARTITION BASE DETAIL
SCALE: 3/4" = 1'-0"

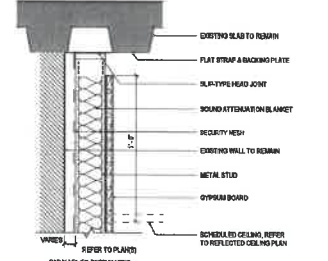


N SERIES PARTITION TYPES
SCALE: 3/4" = 1'-0"

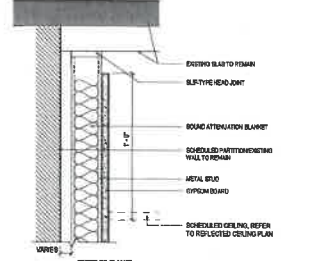
PARTITION TYPE MARK	FRAMING DEPTH (SPACING)	DETAILS TOP	BOF	ATTEN THK	Comments
NA	3 5/8\"/>				
NB	4\"/>				



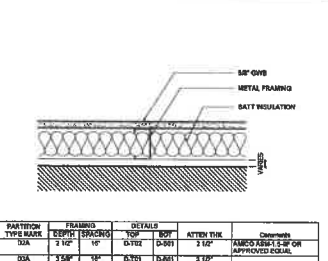
PARTITION HEAD DETAIL
SCALE: 3/4" = 1'-0"



PARTITION HEAD DETAIL
SCALE: 3/4" = 1'-0"



PARTITION HEAD DETAIL
SCALE: 3/4" = 1'-0"



D SERIES PARTITION TYPES
SCALE: 3/4" = 1'-0"

PARTITION TYPE MARK	FRAMING DEPTH (SPACING)	DETAILS TOP	BOF	ATTEN THK	Comments
DA	3 5/8\"/>				
DB	4\"/>				

PARTITION LEGEND

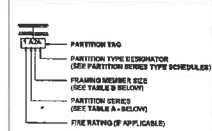


TABLE B - PARTITION SERIES CONSTRUCTION ASSEMBLY

SERIES DESIGNATOR	FRAMING MEMBERS	SECTION
A	1-LAYER METAL C-STUD	1-LAYER
B	2-LAYERS METAL C-STUD	2-LAYERS
C	1-LAYER METAL C-STUD	2-LAYERS
D	1-LAYER METAL C-STUD	NONE
E	2-LAYERS METAL C-STUD	NONE
F	1-LAYER METAL CHANNEL	NONE
G	1-LAYER NONE	NONE
H	1-LAYER METAL C-STUD	NONE
J	2-LAYERS METAL C-STUD	1-LAYER PANEL
K	1-LAYER CD METAL C-STUD	1-LAYER
L	2-LAYERS CD METAL C-STUD	2-LAYERS
M	NONE	CMU
N	1-LAYER METAL C-STUD	2-LAYERS

TABLE B - FRAMING DEPTHS (SCHEDULE)

FRAMING MEMBER DESIGNATION	MTL. C-H STUD DEPTH	MTL. C-STUD DEPTH	WOOD STUD DEPTH
0	NO FRAMING		N/A
1	1 5/8"	N/A	N/A
2	2 1/2"	2 1/2"	N/A
3	3 5/8"	N/A	N/A
4	4"	4"	3 1/2"
5	4"	4"	4 1/2"
6	4"	N/A	7 1/4"
10	10"	N/A	9 1/4"

GENERAL NOTES

- 1. ALL PARTITION HEADINGS TO BE 5/8" GYPSUM BOARD (UNLESS OTHERWISE NOTED).
- 2. ALL PARTITIONS SHALL BE COORDINATED WITH SCHEDULED FRAMING FOR PARTITION LAYOUT AND REQUIRED CLEARANCES.
- 3. PROVIDE LOCKING IN WALLS AS REQUIRED. COORDINATE WITH ARCHITECT/CONSULTANT ADDITIONAL INFORMATION.
- 4. FOR INTERIOR FRAMING LIMITING HEIGHTS REFER TO PART 05-10.6, TABLES 3 AND 4.
- 5. CONTRACTOR TO DISCOVER STUD SPACING AND VERIFY ELECTION CRITERIA FOR REVIEW INCLUDING CORRECTION OF SLAB TO VERIFY STUD SPACING INFORMATION. SPACING TO COMPLY WITH EUBING CONDITIONS AND ISMA GUIDELINES.
- 6. GYPSUM WALL DOOR BEARS SHOULD BE STAGGERED BETWEEN DOUBLE LAYERS OF GYPSUM WALL BOARD.
- 7. METAL ANCHOR BOLTS THAT SERVE OPPOSITE SIDES OF A WALL IN SEPARATE STUD CAVITIES.
- 8. METAL INSULATION HAS SHOWN ANCHOR BOLTS FOR 87C-50 - INSULATION IS TO BE CONTINUOUS AND MUST BE COMPRESSED.
- 9. PROVIDE 2" OF UNFACED INSULATION ABOVE CEILING ON BOTH SIDES OF PARTITION AT ALL OFFICES.
- 10. PROVIDE WATER RESISTANT DRYWALL AT ALL LOCATIONS WHERE WATER IS PRESENT.

Date	Description
1	ISSUE FOR BIDDING

Project Name
Santander - Central Square, Cambridge

Project Number
11.6850.127

Description
WALL PARTITION TYPES

Scale
As Indicated

A00.20

GLAZING SCHEDULE

GLAZING	[BAC PERFORMANCE]
GL-3	1/2" TEMPERED MONOLITHIC GLASS

NOTE: GLASS THICKNESS AND HEAT TREATMENTS INDICATED ARE MINIMAL REQUIREMENTS. GLAZING DETAILS SHOWN ARE FOR CONVENIENCE OF DETAILING ONLY AND ARE TO BE CONFIRMED BY THE CONTRACTOR RELATIVE TO THE CODE REQUIREMENTS, INDUSTRY STANDARDS AND FINAL FRAMING DETAILS. CONFIRM GLASS THICKNESS AND HEAT TREATMENTS, VERIFIED BY ANALYSIS TO MEET LOCAL REGULATION FOR GLASS DEFLECTION.

DOOR SCHEDULE

NO.	LOCATION	TYPE	DOOR		GLASS		MATERIAL	FINISH	MATERIAL	FINISH	HARDWARE SET	NOTES
			WIDTH	HEIGHT	THICKNESS	TYPE						
101	AM VERITABLE	A	58"	58"	1 1/2"	P	SSG	ESD	SSG	ESD	1	
102	AM VERITABLE	C	3'-0"	3'-0"	0'-1 1/2"		HM	RL	HM	RL	1	
104	WAITING AREA	D	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	3	
105	CAFETERIA WAITRY	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	3	
106	TRAILER ROOM	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	4	
107	TRAILER ROOM	C	58"	58"	1 1/2"		HM	RL	HM	RL	1	
108	MECHANICAL ROOM	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	4	
109	MECHANICAL ROOM	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	4	
110	MECHANICAL ROOM	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	4	
111	MECHANICAL ROOM	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	4	
112	AUDITORIUM ROOM	D	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	3	
113	TRAILER ROOM	J	3'-0"	7'-0"	0'-1 1/2"		ALUMINUM	SSG	ALUMINUM	SSG	1	GC TO PROVIDE & INSTALL PEEP SCOPE DOOR AND FRAME TO BE GLASS JAMB WITH FINISH TO COORDINATE SPECIFIC DOOR HARDWARE AND SECURITY REQUIREMENTS WITH BANK SECURITY WINDOW GLAZING TO BE GL-3
114	TRAILER ROOM	C	3'-0"	7'-0"	0'-1 1/2"		HM	RL	HM	RL	3	
115	AM VERITABLE	H	19'-0"	19'-0"			HM	RL	HM	RL	2	

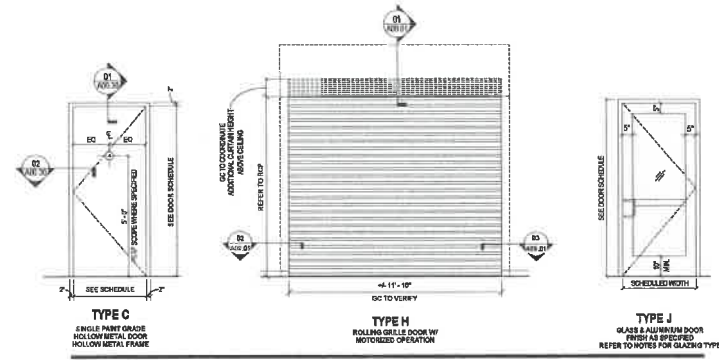
SHEET NOTES



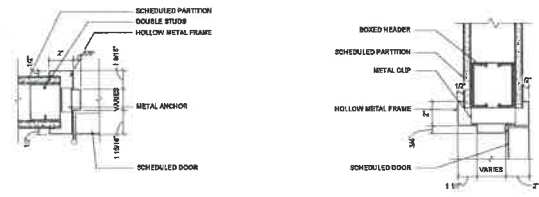
CC# 630
Central Square
590 Massachusetts Avenue,
Cambridge, MA 02139

Gensler

One Boston Street
Third Floor
Boston, MA 02108
United States
Tel: 617.633.2700
Fax: 617.633.2701



DOOR TYPES



HOLLOW METAL FRAME JAMB DETAIL
SCALE: 3/4" = 1'-0"

HOLLOW METAL FRAME HEAD DETAIL
SCALE: 3/4" = 1'-0"

GENERAL NOTES

- A. ALL DOORS AND FRAMES TO BE PAINTED TO MATCH ADJACENT PARTITION UNLESS NOTED OTHERWISE.
- B. WHENEVER INDICATED, EXTERIOR FACE OF DOOR AND FRAME FINISH TO BE OIL BASE PAINT, COLOR AS SPECIFIED.
- C. ALL DOOR HARDWARE SHALL BE LEVER TYPE UNLESS NOTED OTHERWISE.
- D. CONTRACTOR SHALL COORDINATE ALL HARDWARE WITH THE OWNER AND OBTAIN OWNER APPROVAL PRIOR TO PLACING HARDWARE ORDER.
- E. MILLWORKER SHALL VERIFY IN FIELD ALL DIMENSIONS FOR MILLWORK.
- F. ALL DOOR FRAMES TO BE WELDED CONNECTIONS UNLESS OTHERWISE NOTED, NOT BLOCKDOWN.
- G. GC TO PROVIDE BANK SECURITY COPIES OF ALL KEYS PROVIDED IN WALL INDICATED KEY BOX. WALL SET TOOK. COORDINATE MOUNTING LOCATION WITH BANK.

HARDWARE SETS

SET 1	SET 2	SET 3	SET 4	SET 5
(0) NONE	(0) BRAKE	(1) STORE ROOM SET	(0) HENSE	(0) HENSE
(1) PUSHER (FOR ENTRYING)	(1) OFF-SET DOORPULL	(1) SURFACE CLOSER	(1) CLASSROOM SET	(0) PRIVACY SET
(1) MONITRE CYLINDER	(1) PANG BATTERY	(1) OVERHEAD STOP	(1) WALL STOP	(1) WALL STOP
(1) DEAD LOCK	(1) SAFETY BACKUP	(1) DOOR BLENGER	(1) SURFACE CLOSER	(1) SURFACE CLOSER
(1) SURFACE CLOSER	(1) WALL STOP	(1) PEEP SCOPE	(0) DOOR BLENGER	(1) DOOR BLENGER
(1) MOUNTING PLATE	(1) CURB SIDE SUPPORT	(1) CARD READER	(1) SHOCK GASKETER	(1) SHOCK GASKETER
(1) BEARING SPACER	(1) BEARING SPACER	(1) ELECTRIC BRINE		
(1) DOOR BLENGER	(1) THERMALLY BROKEN THRESHOLD			
(1) CARD READER	(1) CARD READER			
(1) DOOR POSITION SWITCH				

NOTE: GC TO COORDINATE ALL DOOR HARDWARE AND SECURITY REQUIREMENTS WITH BANK VENDOR; OBTAIN WRITTEN CONFIRMATION FROM BANK SECURITY VENDOR PRIOR TO ORDERING.

Sheet Signature

Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
DOOR & HARDWARE SCHEDULES

Scale
As indicated

A00.30

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SHEET NOTES

- Ⓜ EXISTING VERTICAL PIPES TO REMAIN.
- Ⓜ EXISTING ELECTRICAL PANELS TO REMAIN.
- Ⓜ DASHED LINE INDICATED WHERE FLOORING STARTS TO SLOPE.
- Ⓜ EXISTING STORMFRONT SYSTEM AND DOOR TO REMAIN, E.G. TO CLEAN TO LINE NEW CONDITION.
- Ⓜ EXISTING REAR DOOR TO REMAIN.
- Ⓜ G.C. TO PATCH AND REPAIR EXISTING EXTERIOR WALL AND IN SOME BRICKS, LOOSE BRICKS, GROUT, ETC.) PRIOR TO FINISHING OUT WALL.
- Ⓜ EXISTING FLOORING TO BE LEVELED, PATCHED AND REPAIRED FOR NEW FINISHES. SEE CONSTRUCTION AND FINISH PLANS FOR MORE INFORMATION.
- Ⓜ G.C. TO REMOVE ALL ABANDONED PIPES, ELECTRICAL CONDUIT, INAC, ETC. NOT UTILIZED IN NEW CONSTRUCTION. DO NOT DISMANTLE IN PLACE.
- Ⓜ G.C. TO PATCH AND REPAIR EXISTING COLUMNS.

GENERAL NOTES

- A. IN THE EVENT OF ASBESTOS OR OTHER HAZARDOUS MATERIAL EXPOSURE ON THE PROJECT, THE CLIENT SHALL HAVE THE DUTY TO INFORM THE ARCHITECT OF SUCH RISKS AS SOON AS REASONABLE TO CLIENT.
- B. IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL OR RISKS TO EXPOSURE THEREOF IS DISCOVERED BY ARCHITECT DURING WORK ON THE PROJECT, ARCHITECT SHALL IN ITS SOLE DISCRETION, HAVE THE RIGHT TO SUSPEND WORK ON THE PROJECT.
- C. CLIENT SHALL HAVE THE DUTY TO PROMPTLY RETAIN A QUALIFIED EXPERT CAPABLE TO REMOVE OR SUPERVISE THE REMOVAL OF SUCH ASBESTOS OR OTHER TOXIC SUBSTANCE.
- D. CLIENT SHALL INDENTIFY AND HOLD ARCHITECT, ITS APPLICANTS AND SUBCONTRACTORS AND THEIR OFFICES, AGENTS, AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY ON THE PART OF OR DAMAGE TO SUCH PIPES AND EXPOSURES ARE INCURRED, WHICH MAY RESULT IN ASBESTOS OR OTHER TOXIC SUBSTANCE EXPOSURE ON THE PROJECT.
- E. COORDINATE REMOVAL, RELOCATION OF ANY EXISTING EQUIPMENT AND FURNITURE WITH BANK REPRESENTATIVE.
- F. REMOVE OBSCURE ABANDONED POWER/ELECTRICITY IN CUSTOMER FACING AREAS. COORDINATE WITH HEAVY WORK PARTNERSHIP AS REQUIRED MATCH EXISTING ADJACENT.
- G. WHERE PARTITIONS ARE RELOCATED, PATCH AND REPAIR SURFACES TO FINISH AS REQUIRED FOR APPLICATION OF NEW FINISHES.
- H. WORK IS TO BE CONDUCTED IN A MANNER SUCH THAT BANK OPERATIONS ARE MINIMALLY DISRUPTED. COORDINATE ALL WORK WITH BANK REPRESENTATIVE. NOTE THAT CERTAIN ASPECTS OF WORK WILL BE REQUIRED TO BE PERFORMED DURING BANK OFF-HOURS.
- I. G.C. TO VERIFY ALL DEMOLITION PRIOR TO CONSTRUCTION. IF THERE ARE ANY MAJOR DISCREPANCIES, CONTACT ARCHITECT IMMEDIATELY.

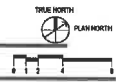
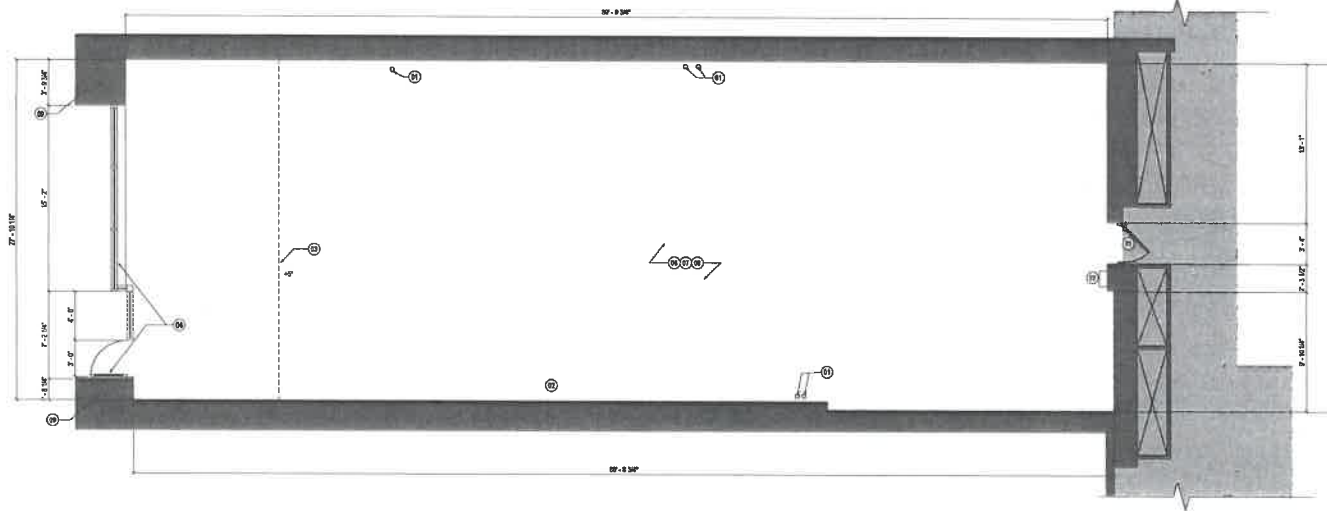
Date	Description
JUN 2024	ISSUE FOR PERMIT

Scale / Dimensions

Project Name
Santander - Central Square, Cambridge
Project Number
11.6850.127
Description
DEMOLITION PLAN

Scale
1/4" = 1'-0"

A01.01



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1 DEMO PLAN
SCALE: 1/4" = 1'-0"

POWER/COMMUNICATIONS GENERAL NOTES

- A ALL CONSTRUCTION SHALL BE ACCORDING TO STRAIGHT AND OVERLINE AS REQUIRED TO MEET THE SCHEDULED TURN OVER. ALL WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND BUILDING MANAGEMENT REGULATIONS.
- B CONSTRUCTION GENERAL NOTES APPLY TO WORK DESCRIBED IN THIS SECTION.
- C PROVIDE ALL REQUIRED PATHS, CIRCUITS AND ACCESS FOR THE INSTALLATION OF ALL SECURITY COMMUNICATIONS & DATA SERVICES, EQUIPMENT AND CABLING. THE CONTRACTOR SHALL COORDINATE WITH TRAVEL TO FACILITATE THE INSTALLATION OF ALL SECURITY DATA AND COMMUNICATION CABLES IN CEILING AND UNDER FLOOR PRIOR TO CLOSE UP OF NEW AND REUSED SUSPENDED CEILING AND PARTITIONS. ALL NEW CONDUITS AND PULL BOXES SHALL BE LEFT ACCESSIBLE FOR INSTALLATION OF ALL COMMUNICATION CABLES.
- D THE CONTRACTOR SHALL PROVIDE REPRODUCIBLE AS-BUILT DRAWINGS INDICATING THE LOCATION AND PATH OF ALL POWER, LIGHTING CIRCUITS AND LIGHT FIXTURES. ALL CIRCUITS SHALL BE CLEARLY AND PERMANENTLY MARKED ON THE CIRCUIT PANEL.
- E ALL WALL MOUNTED OUTLETS, UNLESS OTHERWISE NOTED, SHALL BE VERTICALLY MOUNTED 18" ON CENTER ABOVE FINISHED FLOOR. ALL RECEPTACLE, DIMMER, SWITCHES SHALL BE AT FOR RECEPTION.
- F COORDINATE INTERFACES WITH TRANSFER COMMUNICATIONS EQUIPMENT AS REQUIRED.
- G ALL WALL MOUNTED TELEPHONE AND DATA OUTLETS SHALL BE INSTALLED WITH PULL STUDS/INSI AND TIED TO THE CEILING PLUMBING STRUCTURE.
- H ALL FLOOR MOUNTED EQUIPMENT FOR POWER AND DATA COMMUNICATION CODES SHALL BE SERVICED VIA INDIVIDUAL MOMENTS.
- I THE GENERAL CONTRACTOR SHALL PROVIDE ALL CODES, SUB PERMITS AND CONNECTIONS IN FULL COMPLIANCE WITH BUILDING MANAGEMENT REGULATIONS AND APPLICABLE CODES AND SHALL PROVIDE ALL CODES MARKED FIRE STOPPING. ALL WORK REQUIRED TO FACILITATE SUCH CONNECTIONS, CLOSING AND/OR CORRECTING IS THE GENERAL CONTRACTOR'S RESPONSIBILITY. FIRE STOPPING SHALL BE PROVIDED ON ALL PENETRATIONS AND ON-TIME BASIS TO MEET PROJECT SCHEDULE. ANY DAMAGE DURING THIS EFFORT SHALL BE PROMPTLY REPAIRED TO THE COMPLETE AND TOTAL SATISFACTION OF THE OCCUPANT.

EQUIPMENT SCHEDULE

NUMBER	DESCRIPTION	MANUF./MODEL NO.	DIMENSION	NOTES
1	EQUIPMENT BY BANK EVIDENT VENDOR: HAMILTON, DEBOLD & INC.			
16	HULL-UP ATM WITH NIGHT DEPOSIT WITH SAFE	SEE ONLY SERVICE WALL OF VESTIBULE AOM		SEE REMEDIATION INFORMATION
17	HULL-UP ATM WITH NIGHT DEPOSIT WITH SAFE	SEE ONLY SERVICE WALL OF VESTIBULE AOM WITH NIGHT DEPOSIT		SEE REMEDIATION INFORMATION
18	CASH SAFE	DEBOLD MODEL 24 22" HIG UNDERCASED SAFE		CONFIRM WITH BANK EQUIPMENT
22	SAFE (HULL-UP) UNIT	CUSTOM 16.0X30.0X25		CONFIRM WITH BANK EQUIPMENT
2	EQUIPMENT BY SECURITY VENDOR:			
1	HOLOUP BUTTON			
2	HULL-UP RELEASE BUTTON			
3	MOTION DETECTOR - (4) ELMG MOUNTED			
4	MOTION DETECTOR (WALL MOUNTED)			
5	DOOR CONTACT WIRELESS			
6	WIRELESS CONTROL PANEL			
7	KEYPAD			
8	POINT OF CONNECTION			
9	WIRELESS CONTROL PANEL			
10	WIRELESS CONTROL PANEL			
11	PARALLEL VESTIBULE CONTROLLER			
12	HULL-UP INDICATOR LIGHT			
13	SAFE RELEASE			SEE TO CIVIL POWER & ELECTRIC STRIKE
14	WIRELESS RELEASE BUTTON			
15	WIRELESS RECEIVER			
21	EQUIPMENT BY OWNER REFER TO NOTES FOR INSTALLATION BY CONTRACTOR			
19	POINT OF CONNECTION	DATA MOUNTED OUTLET		PROVIDED BY BK
20	RECEPTION POINT OF CONNECTION	DATA MOUNTED OUTLET		PROVIDED BY BK
23	MULTIFUNCTION PRINTER/DESK TOP	EPSON MODEL 16, MODEL 4000	18 1/2"W x 8 1/4" H x 14"D	CONFIRM WITH BANK EQUIPMENT WITH BANK
24	MULTIFUNCTION PRINTER/FACE STATIONING	EPSON MODEL 1A, MODEL 2246	24 1/2"W x 27 1/2"D x 30 H	CONFIRM WITH BANK EQUIPMENT

SHEET NOTES

- 17 PROVIDE TWO DEDICATED 120V 20A QUAD NEHA 2-20R RECEPTACLES FOR DATA. BACK LOCATION TO BE FIELD VERIFIED WITH VENDOR.
- 18 BANK VENDOR TO PROVIDE AND INSTALL TELEPHONE AS REQUIRED.
- 19 GC TO PROVIDE POWER AND DATA FOR FURNITURE. COORDINATE WITH FIELD REQUIREMENTS WITH BANK'S FURNITURE VENDOR.
- 20 GC TO PROVIDE POWER AND DATA FOR TELLER BACK COUNTER EQUIPMENT. COORDINATE MOUNTING HEIGHTS WITH BANK. DO NOT INSTALL IN WOOD WALL.
- 21 GC TO PROVIDE J-BOX FOR ATM SURROUND. CONFIRM FINAL LOCATION WITH SURROUND VENDOR.
- 22 J-BOX FOR UNDER CABINET LIGHTING. SEE ENGINEERING DRAWINGS FOR ENGINEERING DRAWINGS FOR SWITCHING, COORDINATE SWITCH LOCATION AND INSTALLATION WITH MILLWORKER.
- 23 PROVIDE POWER FOR STOREFRONT SIGNAGE.
- 24 PROVIDE OUTLETS IN INTERNAL USB PORTS, MOUNTED HORIZONTALLY ABOVE LIGHTING AND OVER HEIGHT.
- 25 KEY OPERATOR LOCATIONS FOR MICRORED GATE.

GENERAL NOTES

- 1 REFER TO ELECTRICAL ENGINEER DRAWINGS FOR ADDITIONAL INFORMATION.
- 2 FURNITURE SHOWN FOR REFERENCE ONLY.

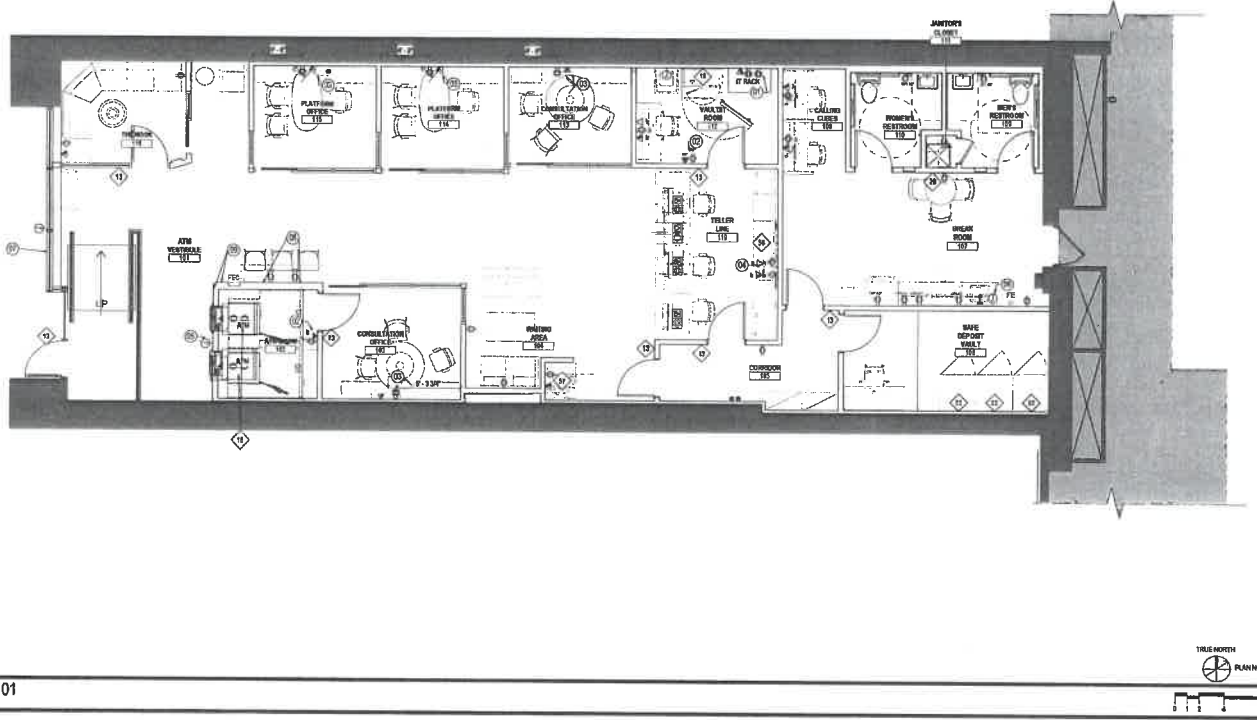


CCM 630
Central Square
599 Massachusetts Avenue,
Cambridge, MA 02139

Gensler

One Bank Street
Third Floor
Boston, MA 02110
Tel: 617.291.2700
Fax: 617.435.5557

DATE: 10/18/2011
JOB: ISSUE FOR PROCEED



LEGEND

- [Symbol] NOT IN CONTRACT REGION
- [Symbol] WALL MOUNTED DUPLICATION
- [Symbol] WALL MOUNTED DUPLICATION
- [Symbol] FLUSH FLOOR MOUNTED DUPLICATION
- [Symbol] FLUSH FLOOR MOUNTED 1 TIE / 2 DATA RECEPTACLE
- [Symbol] WALL MOUNTED 1 TIE / 3 DATA RECEPTACLE, SINGLE DROP
- [Symbol] WALL MOUNTED TELEDATA RECEPTACLE, SINGLE DROP
- [Symbol] FLUSH WALL MOUNTED POWER JUNCTION BOX WITH UNDERCASE CONNECTION
- [Symbol] EQUIPMENT WITHOUT POWER SUPPLY
- [Symbol] EQUIPMENT WITH POWER SUPPLY REFER TO SCHEDULE
- [Symbol] FIRE ALARM PULL BOX
- [Symbol] FIRE ALARM PULL BOX
- [Symbol] FIRE ALARM PULL BOX
- [Symbol] WALL MOUNTED RECEPTACLE FOR TV, CAMERA OR MONITOR, 7" SQUARE
- [Symbol] DIGITAL TEMPERATURE SENSOR
- [Symbol] FLUSH FLOOR MOUNTED TELEDATA, SINGLE DROP

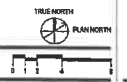
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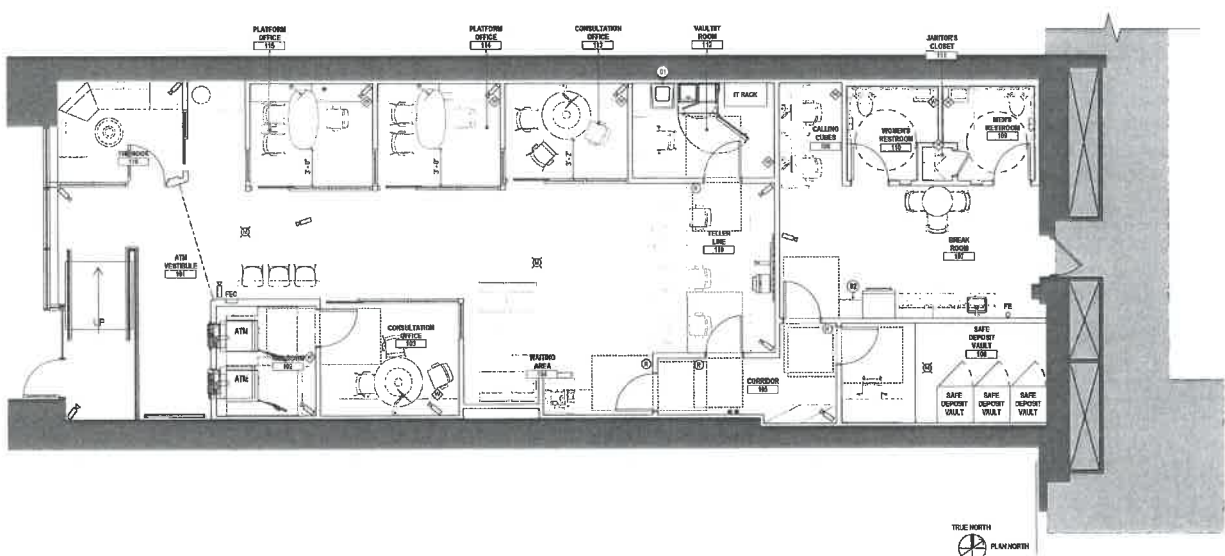
Project Name
Sanlander - Central Square,
Cambridge
Project Number
11,6850, 127
Description
POWER/COMM & EQUIPMENT PLAN - LEVEL 1

Scale
1/4" = 1'-0"

A03.01

01 POWER & COMM PLAN - LEVEL 01
SCALE: 1/4" = 1'-0"





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

MARK	DESCRIPTION
(AK)	ALARM CONTROL PANEL
(K)	KEYPAD
(C)	CHIP CARD READER (HARD-WIRED)
(SD)	SAFE PROTECTION POINT-OF-CONNECTION (HARD-WIRED)
(ATM)	ATM PROTECTION POINT-OF-CONNECTION (HARD-WIRED)
(R)	HEIGHT DEPOSITORY POINT-OF-CONNECTION (HARD-WIRED)
(T)	TELLER CASH DISPENSER POINT-OF-CONNECTION (HARD-WIRED)
(R)	WIRELESS RECEIVER
(V)	VAULT AUDIO SENSOR (HARD-WIRED)
(P)	PARABIT CARD READER (HARD-WIRED)
(AV)	PARABIT ATM VESTIBULE CONTROLLER (HARD-WIRED)
(L)	ELECTRIC LOCK (HARD-WIRED)
(O)	PARABIT SYSTEM KEYSWITCH OVERRIDE
(D)	DOOR CONTACT (NORMAL CONTACT WIRED TO ARMED)
(M)	MOTION DETECTOR, CEILING MOUNT, WIRELESS
(W)	MOTION DETECTOR, WALL MOUNT, WIRELESS
(H)	HOLD-UP BUTTON, WIRELESS, DESK-MOUNTED
(U)	HOLD-UP INDICATOR LIGHT (HARD-WIRED)
(C)	SECURITY CAMERA

GENERAL NOTE:
QC TO COORDINATE WITH SECURITY VENDOR FOR EXACT POWER, DATA, FIREWIRE AND LOCKING REQUIREMENTS.

02 SECURITY SCHEDULE
SCALE: 1/8" = 1'-0"

SHEET NOTES



CD# 630
Central Square
599 Massachusetts Avenue,
Cambridge, MA 02139

Gensler

One Broad Street
19th Floor
Boston, MA 02109
United States

Tel: 617.616.5700
Fax: 617.619.5701

GENERAL NOTES

△	Title	Description
1	1.000127P	ISSUE FOR EQUIPMENT

Sheet 1 of 12

Project Name
**Santander - Central Square,
Cambridge**

Project Number
11.6850.127

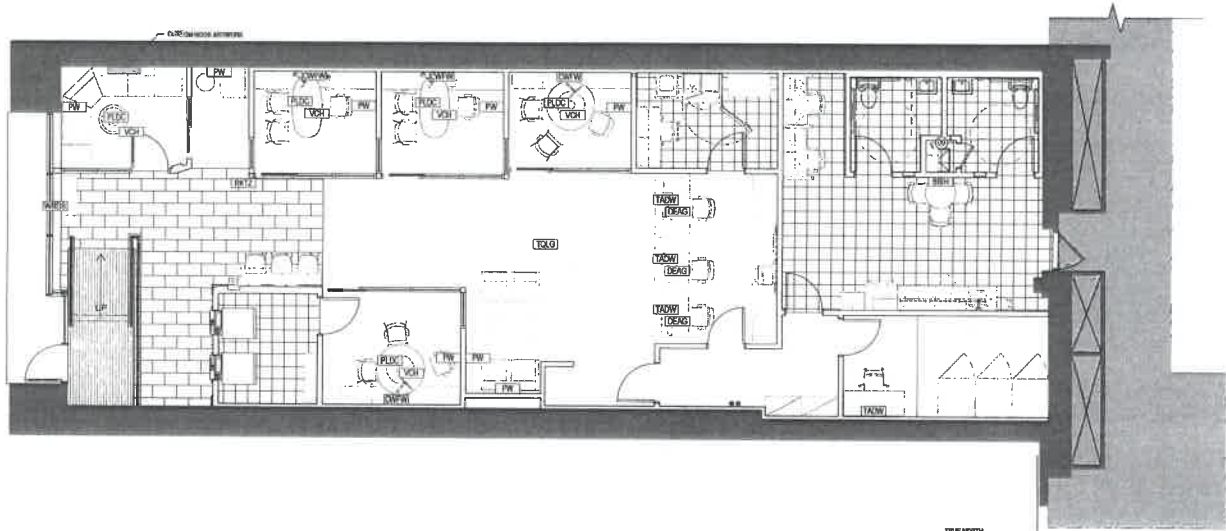
Description
SECURITY PLAN

KEY PLAN

Scale
As indicated

A03.02

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Date	Description

Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
MERCHANDISING PLAN

Scale
1/8" = 1'-0"

A03.03

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

01/2010 11.6850.127 Santander - Central Square, Cambridge, MA - Major_Archet.dwg

FINISH SCHEDULE

ITEM	PRODUCT (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
0007	
00-1	GRID, LATHING & SLATE GRAY
CARPET	
CP-1	STYLE, MAKE & TYPE 100% WOOL, COLOR: NATIVE ASPHALT, 18" X 18" TAUDE - KARMA BY SOKER (BY) 12.0000 - KARMA BY SOKER (BY) KARMA 100% WOOL
CEILING T.E.	
CE-1	1" DROPCAPACE, UNKATE GRAY MATRYLITE E, 1524
MELLEBY FLOORING	
MF-1	1 1/2" DROPCAPACE, UNKATE GRAY MATRYLITE E, 1524
MF-2	1 1/2" DROPCAPACE, UNKATE GRAY MATRYLITE E, 1524
MF-3	1 1/2" DROPCAPACE, UNKATE GRAY MATRYLITE E, 1524
MF-4	1 1/2" DROPCAPACE, UNKATE GRAY MATRYLITE E, 1524
MF-5	1 1/2" DROPCAPACE, UNKATE GRAY MATRYLITE E, 1524
WALL BASE	
WB-1	3" HIGH, 1 1/2" WIDE, 1" THICK, 100% WOOD, UNKATE GRAY MATRYLITE E, 1524
PART	
PA-1	1524, UNKATE GRAY MATRYLITE E, 1524
PA-2	1524, UNKATE GRAY MATRYLITE E, 1524
PA-3	1524, UNKATE GRAY MATRYLITE E, 1524
PA-4	1524, UNKATE GRAY MATRYLITE E, 1524
PA-5	1524, UNKATE GRAY MATRYLITE E, 1524
PA-6	1524, UNKATE GRAY MATRYLITE E, 1524
PA-7	1524, UNKATE GRAY MATRYLITE E, 1524
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PA-40	1524, UNKATE GRAY MATRYLITE E, 1524
PA-41	1524, UNKATE GRAY MATRYLITE E, 1524
PA-42	1524, UNKATE GRAY MATRYLITE E, 1524
PA-43	1524, UNKATE GRAY MATRYLITE E, 1524
PA-44	1524, UNKATE GRAY MATRYLITE E, 1524
PA-45	1524, UNKATE GRAY MATRYLITE E, 1524
PA-46	1524, UNKATE GRAY MATRYLITE E, 1524
PA-47	1524, UNKATE GRAY MATRYLITE E, 1524
PA-48	1524, UNKATE GRAY MATRYLITE E, 1524
PA-49	1524, UNKATE GRAY MATRYLITE E, 1524
PA-50	1524, UNKATE GRAY MATRYLITE E, 1524
PA-51	1524, UNKATE GRAY MATRYLITE E, 1524
PA-52	1524, UNKATE GRAY MATRYLITE E, 1524
PA-53	1524, UNKATE GRAY MATRYLITE E, 1524
PA-54	1524, UNKATE GRAY MATRYLITE E, 1524
PA-55	1524, UNKATE GRAY MATRYLITE E, 1524
PA-56	1524, UNKATE GRAY MATRYLITE E, 1524
PA-57	1524, UNKATE GRAY MATRYLITE E, 1524
PA-58	1524, UNKATE GRAY MATRYLITE E, 1524
PA-59	1524, UNKATE GRAY MATRYLITE E, 1524
PA-60	1524, UNKATE GRAY MATRYLITE E, 1524
PA-61	1524, UNKATE GRAY MATRYLITE E, 1524
PA-62	1524, UNKATE GRAY MATRYLITE E, 1524
PA-63	1524, UNKATE GRAY MATRYLITE E, 1524
PA-64	1524, UNKATE GRAY MATRYLITE E, 1524
PA-65	1524, UNKATE GRAY MATRYLITE E, 1524
PA-66	1524, UNKATE GRAY MATRYLITE E, 1524
PA-67	1524, UNKATE GRAY MATRYLITE E, 1524
PA-68	1524, UNKATE GRAY MATRYLITE E, 1524
PA-69	1524, UNKATE GRAY MATRYLITE E, 1524
PA-70	1524, UNKATE GRAY MATRYLITE E, 1524
PA-71	1524, UNKATE GRAY MATRYLITE E, 1524
PA-72	1524, UNKATE GRAY MATRYLITE E, 1524
PA-73	1524, UNKATE GRAY MATRYLITE E, 1524
PA-74	1524, UNKATE GRAY MATRYLITE E, 1524
PA-75	1524, UNKATE GRAY MATRYLITE E, 1524
PA-76	1524, UNKATE GRAY MATRYLITE E, 1524
PA-77	1524, UNKATE GRAY MATRYLITE E, 1524
PA-78	1524, UNKATE GRAY MATRYLITE E, 1524
PA-79	1524, UNKATE GRAY MATRYLITE E, 1524
PA-80	1524, UNKATE GRAY MATRYLITE E, 1524
PA-81	1524, UNKATE GRAY MATRYLITE E, 1524
PA-82	1524, UNKATE GRAY MATRYLITE E, 1524
PA-83	1524, UNKATE GRAY MATRYLITE E, 1524
PA-84	1524, UNKATE GRAY MATRYLITE E, 1524
PA-85	1524, UNKATE GRAY MATRYLITE E, 1524
PA-86	1524, UNKATE GRAY MATRYLITE E, 1524
PA-87	1524, UNKATE GRAY MATRYLITE E, 1524
PA-88	1524, UNKATE GRAY MATRYLITE E, 1524
PA-89	1524, UNKATE GRAY MATRYLITE E, 1524
PA-90	1524, UNKATE GRAY MATRYLITE E, 1524
PA-91	1524, UNKATE GRAY MATRYLITE E, 1524
PA-92	1524, UNKATE GRAY MATRYLITE E, 1524
PA-93	1524, UNKATE GRAY MATRYLITE E, 1524
PA-94	1524, UNKATE GRAY MATRYLITE E, 1524
PA-95	1524, UNKATE GRAY MATRYLITE E, 1524
PA-96	1524, UNKATE GRAY MATRYLITE E, 1524
PA-97	1524, UNKATE GRAY MATRYLITE E, 1524
PA-98	1524, UNKATE GRAY MATRYLITE E, 1524
PA-99	1524, UNKATE GRAY MATRYLITE E, 1524
PA-100	1524, UNKATE GRAY MATRYLITE E, 1524

FLOOR FINISH GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL PROVIDE THE FINISH FLOOR AS NOTED ON THIS FINISH SCHEDULE AND SPECIFICATIONS.
2. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWINGS AND SPECIFICATIONS.
3. ALL JOINT FINISHES SHALL BE ABSOLUTELY SQUARE AND INTERSECTIONS PERFECTLY ALIGNED. ALL JOINTS SHALL BE SELF-BRACING, NATURAL COLOR.
4. ALL WALL FINISHES SHALL BE PERFECTLY SQUARE WITHOUT OVERLAPPING CORNER VERTICALS AND NOT DISCREPANT FROM THE FINISH DRAWING. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.
5. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.
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16. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.
17. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.
18. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.
19. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.
20. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FINISHING SHOWN ON THE FINISH DRAWING AND SPECIFICATIONS.

SHEET NOTES

1. BANK VENDOR TO PROVIDE AND INSTALL MARBLE WALL GRAPHIC DETAIL TO BE COORDINATED BY BANK VENDOR, GC TO COORDINATE WITH VENDOR AND PREPARE SURFACE TO RECEIVE GRAPHIC.
2. GC SHALL INSTALL VET AND SHALL MAX AND SEAL THE FLOOR PER MANUFACTURERS INSTRUCTION, TYP.
3. OFFICE BAZING FIRM PROVIDED AND INSTALLED BY BANK VENDOR, TYP.
4. GC TO PROVIDE AND INSTALL TACTILE DOTS SIGNAGE.
5. FULL THE STARTS FROM THIS POINT.
6. CARPET TO ALIGN WITH OUTSIDE OF OFFICE STOREFRONT PARTITION.
7. WOOD WALL AND SIGNAGE PROVIDED AND INSTALLED BY BANK VENDOR, GC TO COORDINATE REQUIREMENTS WITH BANK VENDOR.
8. GC TO PROVIDE AND INSTALL BANK STANDARD INTERIOR SIGNAGE.
9. WALLS TO RECEIVE INTERIOR PANELS IN WET AREA, TYP.
10. BANK VENDOR TO PROVIDE AND INSTALL BANK STANDARD INTERIOR SIGNAGE. COORDINATE BLOCKING AS REQUIRED.
11. WOOD WALL PROVIDED AND INSTALLED BY BANK VENDOR.
12. AREA TO BE LEVELLED W/ PRIMARY FLOOR HEIGHT.
13. FLOOR EXPANSION JOINT TO BE PROVIDED.

CCR 630
Central Square
559 Massachusetts Avenue,
Cambridge, MA 02149

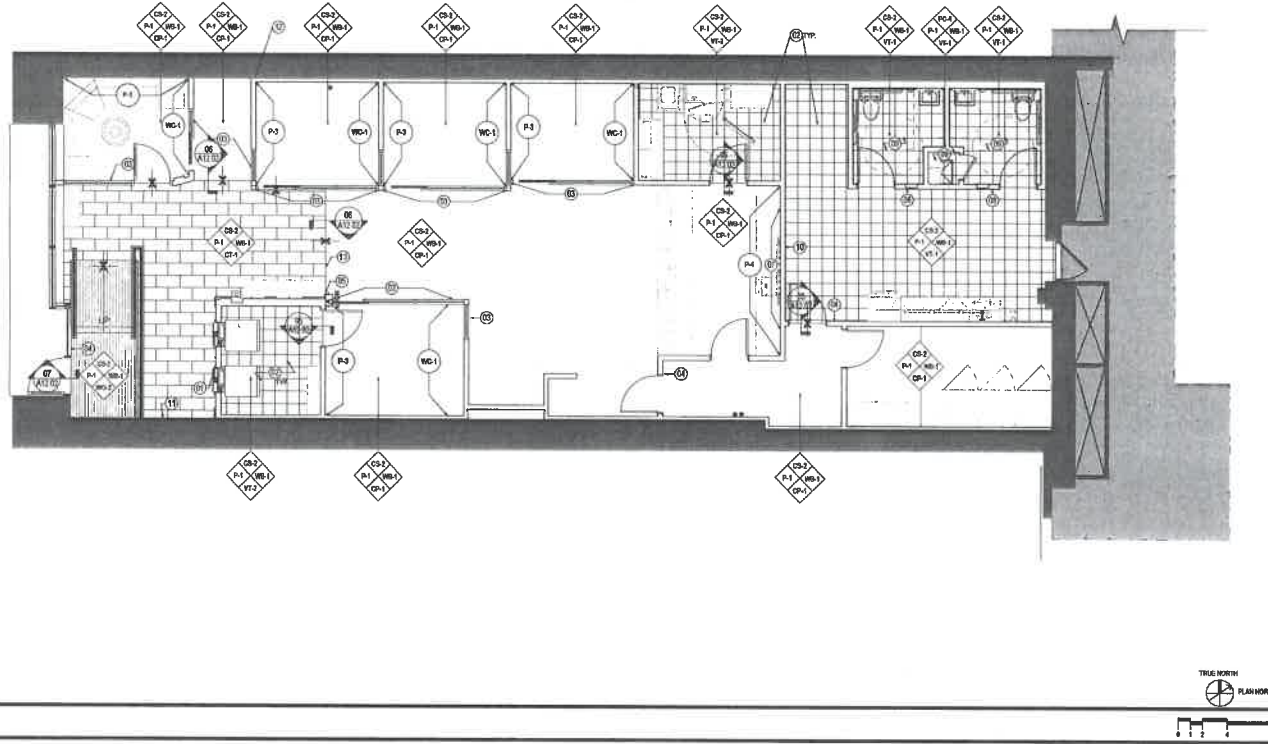
Gensler

One New Street
Third Floor
Boston, MA 02109
United States

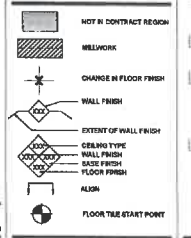
Tel: 617.819.7370
Fax: 617.819.7570

GENERAL NOTES

- A. REFER TO DOOR HARDWARE SHEET AND FOR FINISH FRAME FINISHES.
- B. ALL VERTICAL OFFICES HOURS SUBJECTS IN THE NETWORK AREAS SHALL BE PAINTED 1/2" (30) (30) (30) FINISH UNLESS OTHERWISE NOTED.
- C. ALL OFFICE HOURS COLUMNS, OFFICES, RECEPTION AREAS, ETC. SUBJECTS SHALL BE PAINTED 1/2" (30) (30) (30) FINISH UNLESS OTHERWISE NOTED.
- D. REFER TO FINISH SCHEDULE AND GC FOR FINISH SPECIFICATIONS.
- E. PRIOR TO INSTALLING THE FINISHED FLOOR, SIGNAGE, STUDY AND FLASH PATCHES, THE NEW FINISHED FLOOR MATERIALS SHALL BE FULLY INSTALLED.
- F. WOODEN WALL BASE SHALL BE CONTINUOUS AND FULLY INSTALLED. INSTALL AND P-COVE BASE AT ALL OTHER LOCATIONS UNLESS OTHERWISE NOTED.
- G. ALL PAINT FINISHES SHALL BE EVEN, SMOOTH AND WITHOUT BUBBLES, CRACKS, SPOTS OR MARKS, ETC.
- H. ALL CARPET SHALL BE SMOOTH, LEVEL AND EVEN AND FREE OF VISIBLE DENTS AND STAINING. CARPET SHALL BE FULLY INSTALLED.
- I. ALL THE NEW AND EXISTING FLOORING MATERIALS SHALL BE INSTALLED SQUARE AND LEVEL, AND ALL JOINTS SHALL BE STRAIGHT AND SQUARE.
- J. UNLESS OTHERWISE NOTED, THE GC SHALL PAINT ALL DOORS AND DOOR FRAMES TO PA.



KEY PLAN



01 FINISH PLAN - LEVEL 01
SCALE: 1/4" = 1'-0"

A05.01

FURNITURE SCHEDULE

TAG	MANUFACTURER	MODEL NAME, # & SIZE	DESCRIPTION	FURNITURE	COMMENTS
00-1A	Haworth	Haworth_Chair_1100 TrkA	1100 Trk Chair		
00-1			RETAIL OFFICE CALLING CUBE		
00-2	MEADOWS	277600FD03-4PH	VERY TIER CHAIR		
			ROCKING CHAIRS/STOLID		
			ARM & LAMBER		
			CALLING CUBE		
00-3	HILBEARING	TULSK GUEST CHAIR	4 LEG BASE WITH ARM		
00-4	Haworth	Haworth_Chair_Very_Perforated_041	Very Perforated 041 and Backrest		
00-5	HAWORTH	COMPOSE	3 DRAWER OFFICE/STORAGE		
00-6	HAWORTH	30PH X 17PD X 60.5PH	COMPOSE STORAGE WITH 3 DRAWER/ROUND TABLE		
F-0A			3 DRAWER STORAGE SH/LATERAL FILES		
LX-01			LOCKERS		
L-0-1	OPS BRANDS	DESIGN COUNTER CHAIR	DESIGN COUNTER CHAIR FULLY UPHOLSTERED WITH ARM		
00-1	Haworth	Haworth_Chair_1100 TrkA	1100 Trk Chair		
00-3A	HILBEARING	MINI SEAT 3PH	MINI SEAT 3PH		
00-1	INTERNOVA	OPS BRANDS	OPS BRANDS		
T-1A			TYPE CABING		

BRANDED MILLWORK SCHEDULE

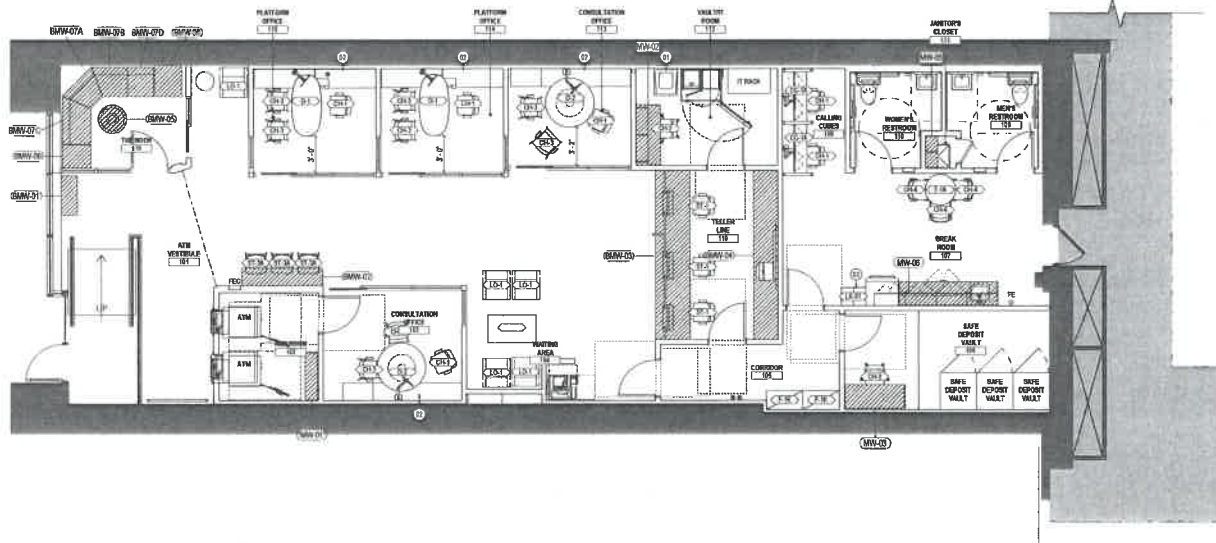
PROVIDED AND INSTALLED BY BANK VENDOR

MILLWORK NUMBER	NAME	WIDTH	DEPTH	REMARKS
BANK-01	4 IN X 7 1/2 IN VENEER SHIPBOARD	7'-0"	7'-0"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-02	2 IN X 4 IN	2'-0"	1'-0"	
BANK-03	TELLER LINE	10'-0"	2'-0"	
BANK-04	TELLER BACK COUNTER	2'-0"	2'-0"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-05	THE ROCK - ROUND TABLE	2'-0"	2'-0"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-06	ROCKING CHAIR	2'-0"	2'-0"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-07A	ROCK LOUNGE - CORNER PIECE	2'-11"	2'-4 1/2"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-07B	ROCK LOUNGE - SINGLE PIECE RIGHT	2'-0"	2'-4 1/2"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-07C	ROCK LOUNGE - SINGLE PIECE LEFT	2'-0"	2'-4 1/2"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR
BANK-08	ROCK LOUNGE - SQUARE PIECE	2'-5 1/2"	2'-4 1/2"	REFER TO PLANS FOR QUANTITY AND LOCATION, GC TO COORDINATE WITH BANK VENDOR

MILLWORK SCHEDULE

PROVIDED AND INSTALLED BY GC

MILLWORK NUMBER	NAME	WIDTH	DEPTH	REMARKS
MW-01	WALL MOUNTED ACCEPTOR THE SIGN	6'-0"	8'-0"	
MW-02	FRONT LOBBY ROOM #12 WORK COUNTER	8'-0"	2'-0"	REFER TO PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL INFORMATION
MW-03	FRONT LOBBY ROOM #12 WORK COUNTER	9'-0"	2'-0"	
MW-04	FRONT LOBBY ROOM #12 WORK COUNTER	2'-0"	2'-0"	REFER TO PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL INFORMATION
MW-05	FRONT LOBBY ROOM #12 WORK COUNTER	2'-0"	2'-0"	
MW-06	FRONT LOBBY ROOM #12 WORK COUNTER	2'-0"	2'-0"	



SHEET NOTES

- RECALL BIN PROVIDED BY BANK VENDOR
- GC TO PROVIDE TRASH CANS AT DESK, TVP.



GENERAL NOTES

- THE FURNITURE DEALER SHALL BE RESPONSIBLE TO PROTECT ALL WALLS, DOOR ASSEMBLIES AND FLOORING DURING ALL DELIVERY AND INSTALLATION, UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
- ALL PLASTIC PROTECTIVE COVERINGS ON CHAIRS SHALL REMAIN ON CHAIRS TO PROTECT FABRICS FROM CONSTRUCTION DIRT AND SOIL, PRIOR TO STORE OPENING.
- ALL LINES USED TO INDICATE PLANT AND INSTALLATION SHALL BE SUCH THAT NO CONSTRUCTION PROBLEMS OCCUR DUE TO THE DELIVERY AND/OR INSTALLATION. COORDINATION SHALL BE ACHIEVED WITH TRADES THAT IMPACT DIRECT JURISDICTION OF THE INSTALLER SUCH AS ELECTRICAL BY THE GC AND/OR PROJECT MANAGER.
- FURNITURE CONTRACTOR SHALL COMPLY WITH ALL LABEL, RULES, REGULATIONS, WHETHER FEDERAL, STATE OR OTHERWISE, WHICH APPLY TO OR IN ANY MANNER AFFECT NETWORK ROLES OR THE OPERATIONS OR ACTIVITIES OF ITS EMPLOYEE CONNECTED WITH THIS PROJECT.
- ALL FURNITURE ON THIS DRAWING TO BE PURCHASED AND INSTALLED BY THE BANK.

Date	Description
1-07-2018	ISSUE FOR PROCUREMENT

Sheet 01 of 04

Project Name
Santander - Central Square, Cambridge
Project Number
11.6850.127
Description
FURNITURE PLAN - LEVEL 1

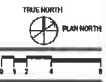
LEGEND

Scale
1/8" = 1'-0"

A06.01

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01 FURNITURE PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"



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△	Date	Description
1	07/20/11	ISSUE FOR IMPROVEMENT

Seal / Signature

Project Name
Santander - Central Square,
Cambridge

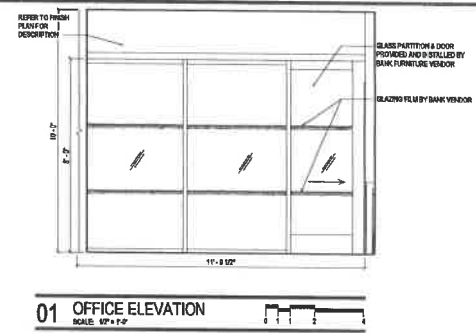
Project Number
11.6850.127

Description
INTERIOR ELEVATIONS - FRONT OF
HOUSE

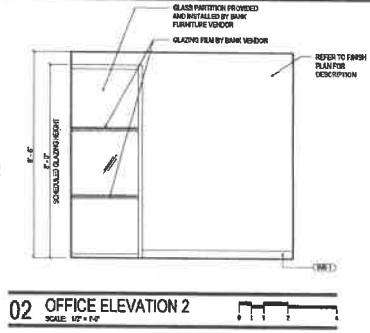
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A07.01

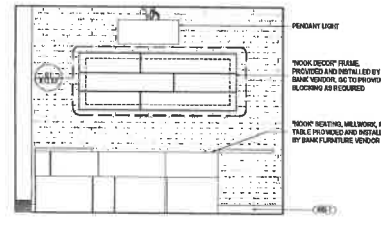
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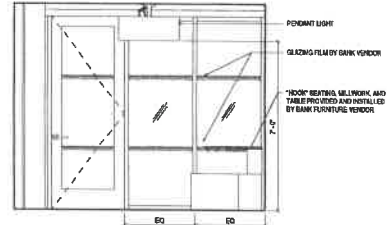
01 OFFICE ELEVATION
SCALE: 1/2" = 1'-0"



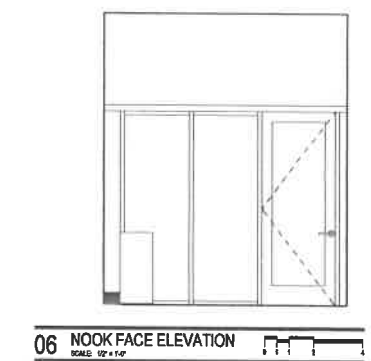
02 OFFICE ELEVATION 2
SCALE: 1/2" = 1'-0"



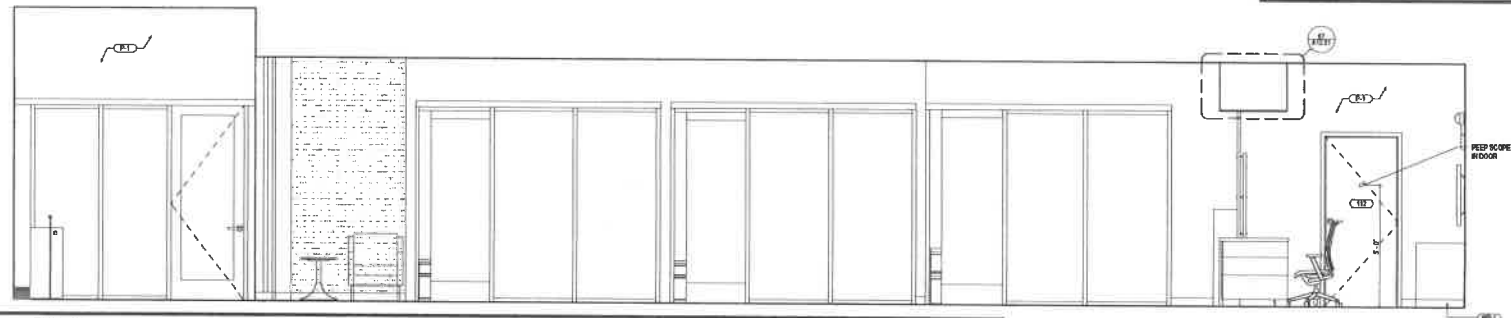
03 NOOK NORTH
SCALE: 1/2" = 1'-0"



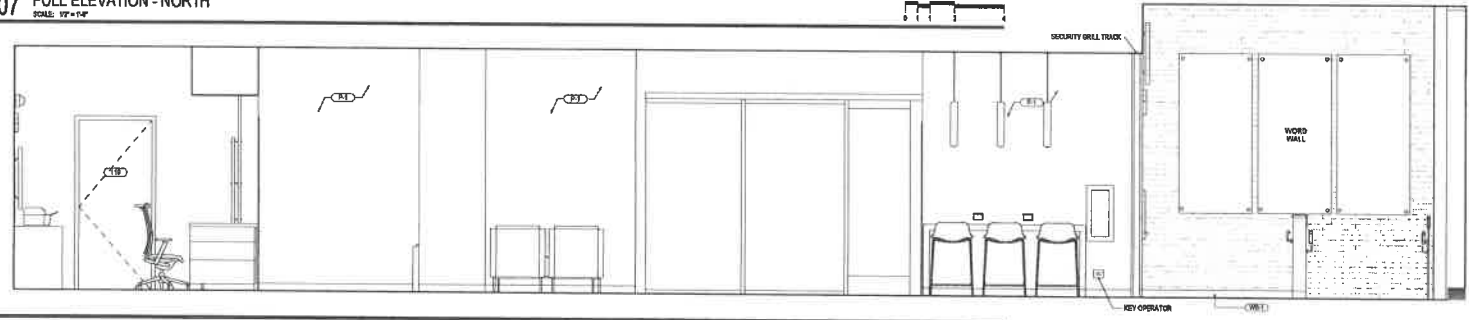
04 NOOK ELEVATION SOUTH
SCALE: 1/2" = 1'-0"



06 NOOK FACE ELEVATION
SCALE: 1/2" = 1'-0"

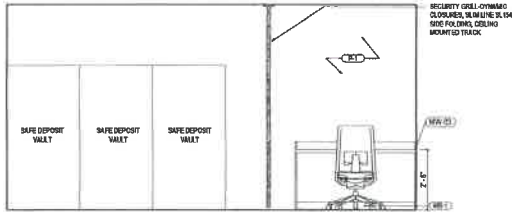


07 FULL ELEVATION - NORTH
SCALE: 1/2" = 1'-0"



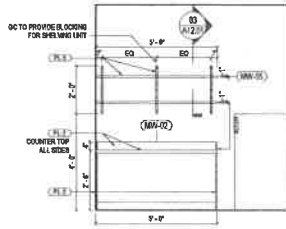
08 FULL ELEVATION SOUTH
SCALE: 1/2" = 1'-0"

07/20/11 11:31 AM \\gensler\p\proj\116850\127\interior-central square.dwg: BIL Heger_jmb44



SECURITY GRILL CHANGING
CLOUSES, NUMBER 3, 04
SIDE FOLLOWING CEILING
MOUNTED TRACK.

07 VAULT ROOM ELEVATION
SCALE: 1/2" = 1'-0"



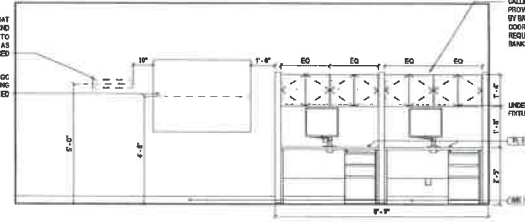
GC TO PROVIDE BLOCKING
FOR OVERHEAD UNIT

COUNTER TOP
ALL SIDES

04 IT/VAULT ROOM ELEVATION
SCALE: 1/2" = 1'-0"

DOOR MOUNT COAT
HOOKS PROVIDED AND
INSTALLED BY GC TO
PROVIDE BLOCKING AS
REQUIRED

BANK SEAT BANK GC
TO PROVIDE BLOCKING
AS REQUIRED



CALLING CUBE WALLWORK
PROVIDED AND INSTALLED
BY BANK VENDOR, GC TO
COORDINATE BLOCKING
REQUIREMENTS WITH
BANK VENDOR.

UNDER CABINET LIGHT
FIXTURES

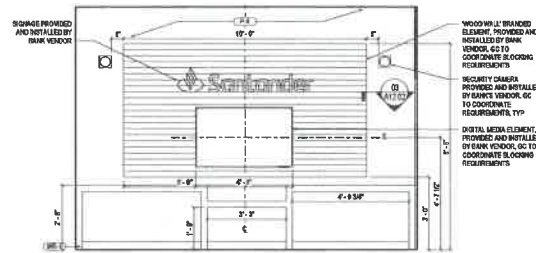
01 CALLING CUBE ELEVATION
SCALE: 1/2" = 1'-0"

EQUIPMENT BY GENERAL CONTRACTOR			
MARK	LOCATION	DESCRIPTION	SPECIFICATIONS
(D)	BREAK AREA	REFRIGERATOR	BLUNDT APPLIANCE, ALS4 32 1/4" x 22 1/4" x 22 1/2" WHITE FINISH
(D)	BREAK AREA	MICROWAVE	GENERAL ELECTRIC MODEL PEF2200PWH (2) 24 1/8" x 20 1/4" x 20 1/8" 36" WHITE FINISH
(D)	BREAK AREA	PAPER TOWEL DISPENSER	C. FOOD DISPENSER

06 EQUIPMENT BY GC
SCALE: 1/2" = 1'-0"

EQUIPMENT BY BANK			
MARK	LOCATION	DESCRIPTION	SPECIFICATIONS
(D)	BREAK AREA	COFFEE MAKER	NEWCO ACE LP IS 120V0 x 16 1/2" (20 1/2" x 16 1/2")
(T)	BREAK AREA	WATER COOLER	MINOWAVE CHILLER 3 MODEL #13- CH032 12.5" x 18" x 40" 147 LBS WATER CONNECTION, GC TO PROVIDE POWER/WATER LINE AS REQ'D

03 EQUIPMENT BY BANK
SCALE: 1/2" = 1'-0"



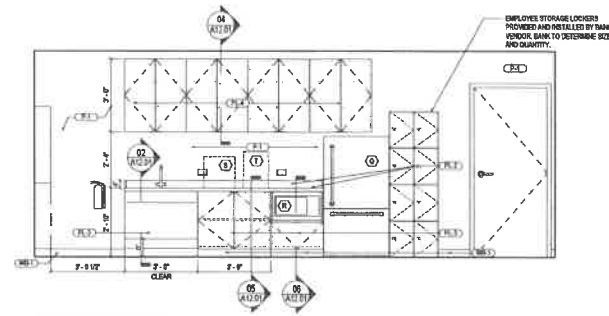
STORAGE PROVIDED
AND INSTALLED BY
BANK VENDOR

WOOD GRILL BRANDED
ELEMENT, PROVIDED AND
INSTALLED BY BANK
VENDOR, GC TO
COORDINATE BLOCKING
REQUIREMENTS

SECURITY CHAIRS
PROVIDED AND INSTALLED
BY BANK'S VENDOR, GC
TO COORDINATE
REQUIREMENTS, TYP

DIGITAL MEDIA ELEMENT,
PROVIDED AND INSTALLED
BY BANK VENDOR, GC TO
COORDINATE BLOCKING
REQUIREMENTS

05 REAR TELLER ELEVATION
SCALE: 1/2" = 1'-0"



EMPLOYEE STORAGE LOCKERS
PROVIDED AND INSTALLED BY BANK
VENDOR BANK TO DETERMINE SIZE
AND QUANTITY.

02 PANTRY ELEVATION
SCALE: 1/2" = 1'-0"



CCF 630
Central Square
556 Massachusetts Avenue,
Cambridge, MA 02139



One Research Drive
Third Floor
Boston, MA 02108
United States
Tel: 617.451.7500
Fax: 617.451.7571

Date	Description
11/20/2011	ISSUE FOR PERMITTING

Scale / Signature

Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
INTERIOR ELEVATIONS - BACK OF
HOUSE

Scale
As Indicated

A07.02

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EXISTING STOREFRONT



EXISTING STOREFRONT



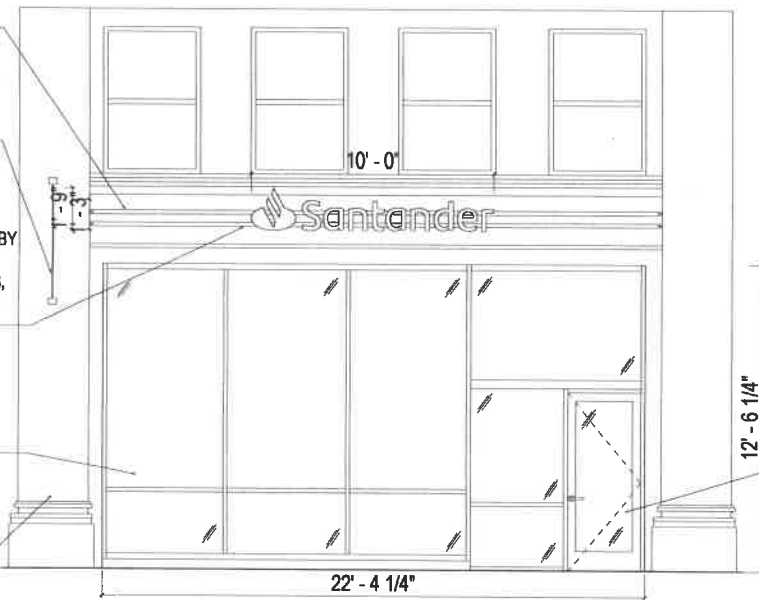
PROPOSED STOREFRONT

EXISTING STONE SIGN BAND TO REMAIN
NEW FLAG SIGN BANNER WITH LOGO ON BOTH SIDES, PROVIDED AND INSTALLED BY BANK VENDOR

NEW ILLUMINATED STOREFRONT SIGNAGE, PROVIDED AND INSTALLED BY BANK VENDOR, INSTALLED BETWEEN STONE COLUMNS, DO NOT AFFIX TO EXISTING FACADE.

EXISTING STOREFRONT SYSTEM AND GLAZING TO REMAIN. CLEAN GLASS AND STOREFRONT SYSTEM AS REQUIRED FOR LIKE-NEW CONDITION

EXISTING STONE COLUMNS TO REMAIN, PATCH AND REPAIR WHERE REQUIRED



EXISTING STOREFRONT DOOR TO REMAIN. REPLACE EXISTING HARDWARE WITH NEW BANK STANDARD HARDWARE

01 STOREFRONT ELEVATION SCALE: 1/2" = 1'-0"

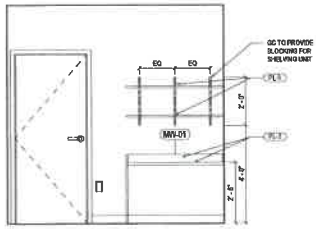
01 STOREFRONT ELEVATION
SCALE: 1/2" = 1'-0"

Date	Description

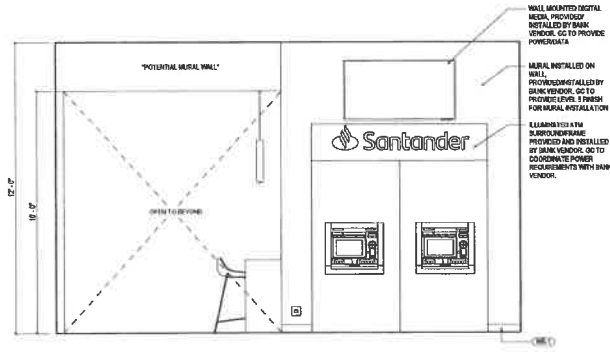
Project Name	Santander - Central Square, Cambridge
Project Number	11.6850.127
Description	STOREFRONT ELEVATION

Scale
1/2" = 1'-0"

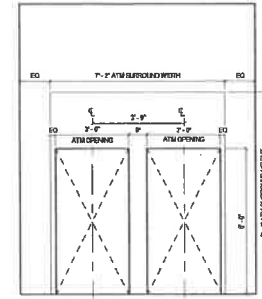
A07.03



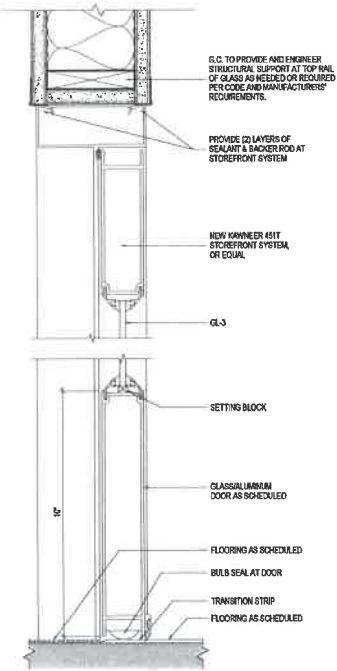
03 ATM ROOM MILLWORK
SCALE: 1/2" = 1'-0"



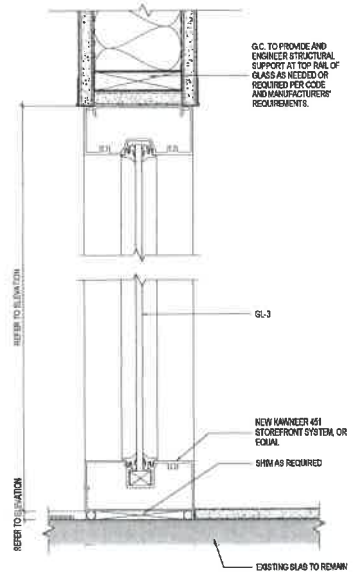
02 ATM VESTIBULE
SCALE: 1/2" = 1'-0"



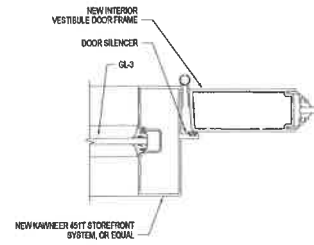
01 ATM ROUGH OPENING ELEVATION
SCALE: 1/2" = 1'-0"



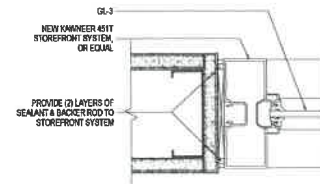
11 ATM STOREFRONT DOOR SECTION
SCALE: 3/8" = 1'-0"



09 ATM STOREFRONT SECTION
SCALE: 3/8" = 1'-0"



06 INTERIOR STOREFRONT DOOR JAMB
SCALE: 3/8" = 1'-0"



07 STOREFRONT DOOR JAMB DETAIL @ WALL
SCALE: 3/8" = 1'-0"

Date	Description
11/20/11	ISSUE FOR PERMITTING

Seal / Signature

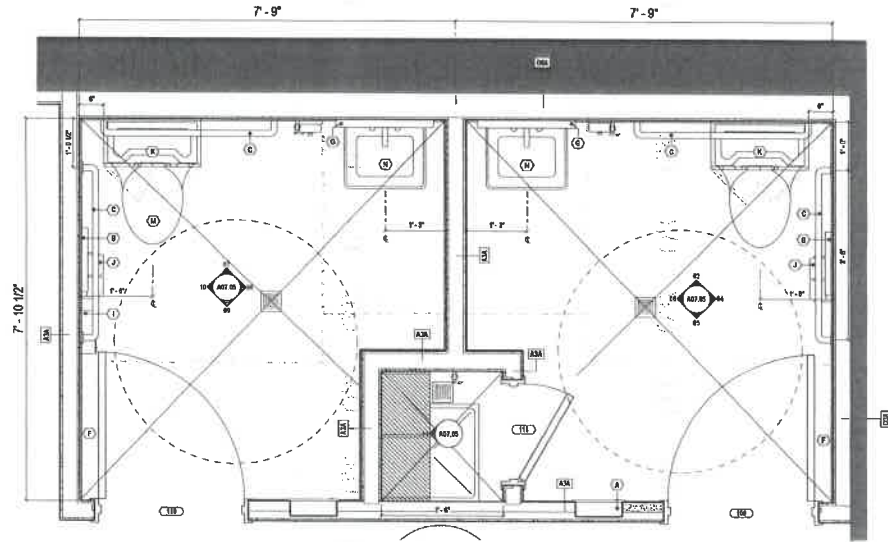
Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
ENLARGED PLAN & ELEVATIONS

Scale
As Indicated

A07.04

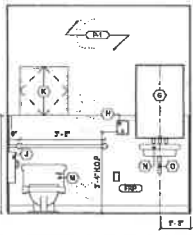
PLUMBING FIXTURE SCHEDULE			
MARK	LOCATION	DESCRIPTION	SPECIFICATIONS
(M)	RESTROOM	WATER CLOSET	SEE PLUMBING DRAWINGS
(N)	RESTROOM	LAVATORY	SEE PLUMBING DRAWINGS
(O)	RESTROOM & BREAKROOM	INSULATION SINK	LAV-GUARD UNDER SINK PROTECTIVE PIPE COVER: YOUNG, INC
(L)	BREAKROOM	KITCHEN SINK	SEE PLUMBING DRAWINGS
(P)	JANITOR	MOP AND BROOM HOLDER	SCHENK - 6-223 X 24

TOILET ACCESSORIES SCHEDULE				
MARK	LOCATION	DESCRIPTION	MOUNTING HT.	SPECIFICATIONS
(A)	RESTROOM	RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	REFER TO ELEVATION	BOBICK V-12834
(B)	RESTROOM	SURFACE MOUNTED TOILET SEAT COVER DISPENSER	REFER TO ELEVATION	BOBICK K-1331
(C)	RESTROOM	HORIZONTAL URINAL BOX & CLOSING IN WOOD-FRONT SURFACE	SEE ELEVATION AND ACCESSIBILITY SEE TAB	BOBICK S-8820R SEE NOTES FOR LOCATIONS & PROVIDE FIT BLOCKING
(D)	NOT USED			
(E)	RESTROOM	UTILITY HOOK	HP A.F.F. TO CENTER LINE	BOBICK S-8207
(V)	RESTROOM	MIRROR	HP F.F. TO BOTTOM OF REFLECTIVE SURFACE	BOBICK S-145 (21" W x 36" H)
(W)	RESTROOM	SOAP DISPENSER	HP A.F.F. TO BOTTOM OF OPERABLE SHEET	BOBICK S-145 IS 15" W W X 4.5" H H
(I)	RESTROOM	SURFACE MOUNTED HANDTOWEL DISPENSER	REFER TO ELEVATION	BOBICK S-234
(J)	RESTROOM	TOILET PAPER DISPENSER	HP A.F.F. TO CENTER LINE OF ROLL	BOBICK S-285
(K)	RESTROOM	HP WHITE OVER THE TOILET CABINET	BOTTOM OF CABINET HP AFF	ESTATE BY REQUESTED

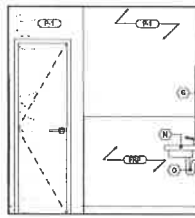


01 ENLARGED RESTROOM
SCALE: 1/8" = 1'-0"

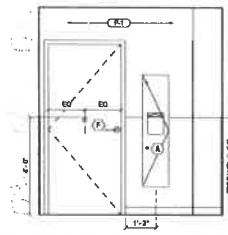
02 BATHROOM FIXTURE SCHEDULE
SCALE: 1/8" = 1'-0"



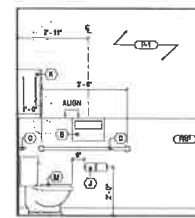
07 RESTROOM 110 - NORTH
SCALE: 1/8" = 1'-0"



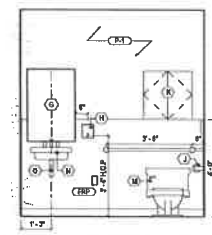
06 RESTROOM 109 - WEST
SCALE: 1/8" = 1'-0"



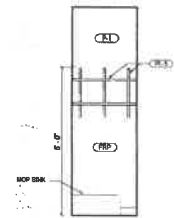
05 RESTROOM 109 - SOUTH
SCALE: 1/8" = 1'-0"



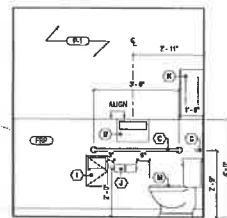
04 RESTROOM 109 - EAST
SCALE: 1/8" = 1'-0"



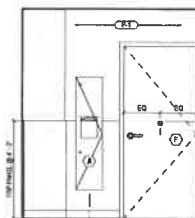
03 RESTROOM 109 - NORTH
SCALE: 1/8" = 1'-0"



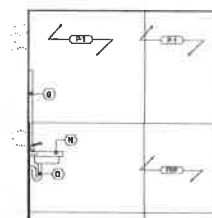
11 JANITORS CLOSET WEST
SCALE: 1/8" = 1'-0"



10 RESTROOM 110 - WEST
SCALE: 1/8" = 1'-0"



09 RESTROOM 110 SOUTH
SCALE: 1/8" = 1'-0"



08 RESTROOM 110 EAST
SCALE: 1/8" = 1'-0"

▲ Only Description
- 1. 02/10/11 SCALE FOR ORIGINATING

Seal Signature

Project Name
Santander - Central Square, Cambridge
Project Number
11.6850.127
Description
ENLARGED RESTROOM PLANS & ELEVATIONS

Scale
As indicated

A07.05

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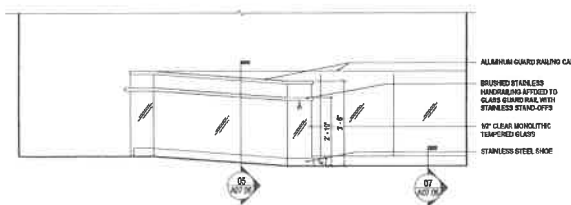
Date	Description
1. 02/12/11	ISSUE FOR PERMIT

Sheet Signature

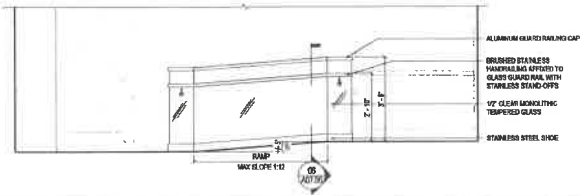
Project Name
**Santander - Central Square,
Cambridge**
Project Number
11.6850.127
Drawing
**ENLARGED RAMP PLAN &
ELEVATIONS**

Scale
As Indicated

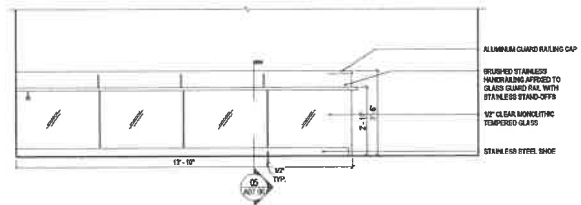
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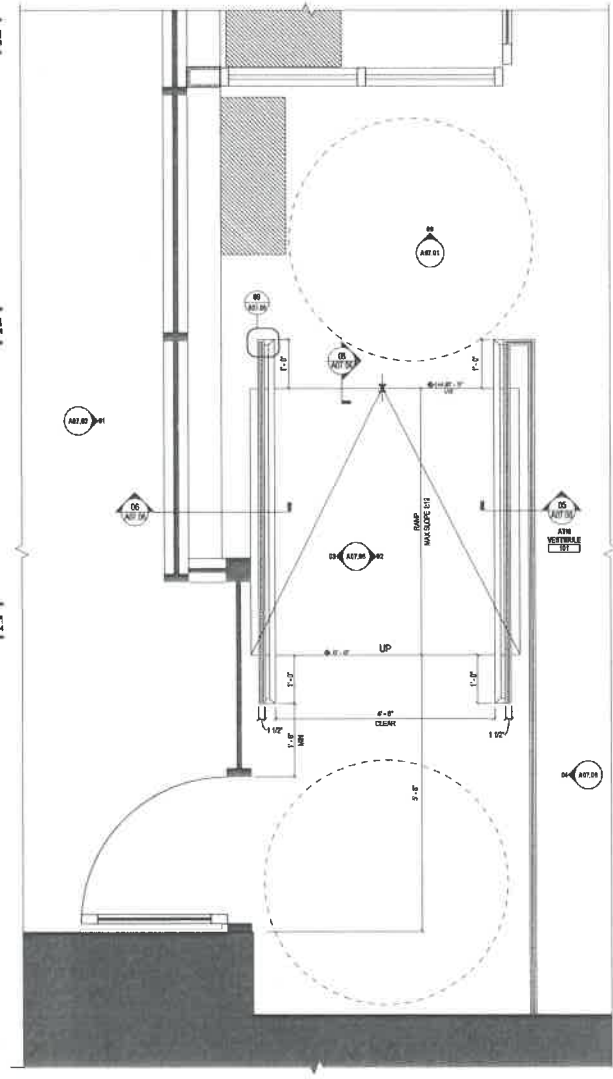
02 RAMP & RAILING ELEVATION - EAST
SCALE: 1/2" = 1'-0"



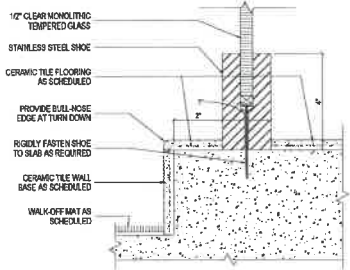
03 RAMP & RAILING ELEVATION - WEST
SCALE: 1/2" = 1'-0"



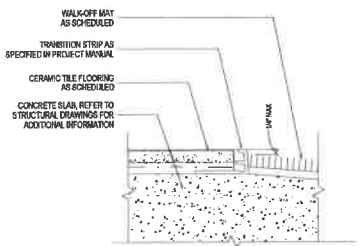
04 RAILING ELEVATION - EAST
SCALE: 1/2" = 1'-0"



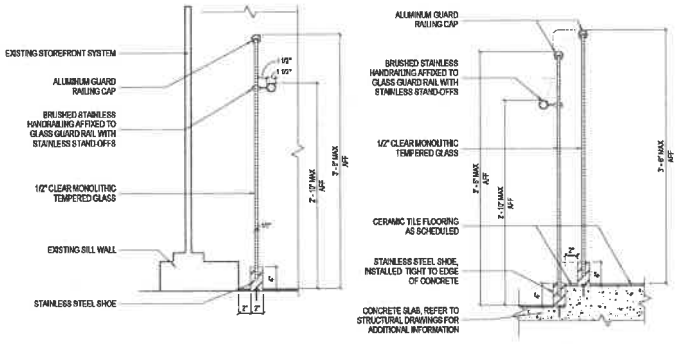
01 ENLARGED PLAN-RAMP
SCALE: 7/8\"/>



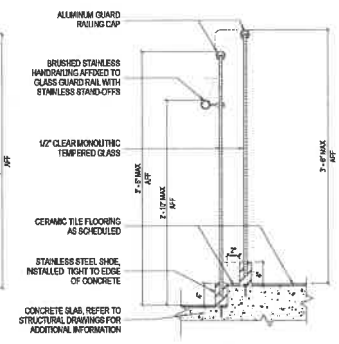
07 RAMP LANDING LEVEL CHANGE DETAIL
SCALE: 3/4\"/>



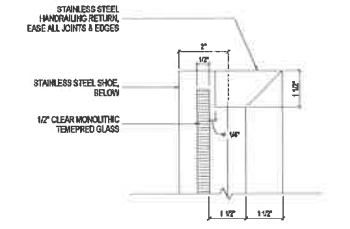
08 TOP OF RAMP - MATERIAL TRANSITION
SCALE: 1/2\"/>



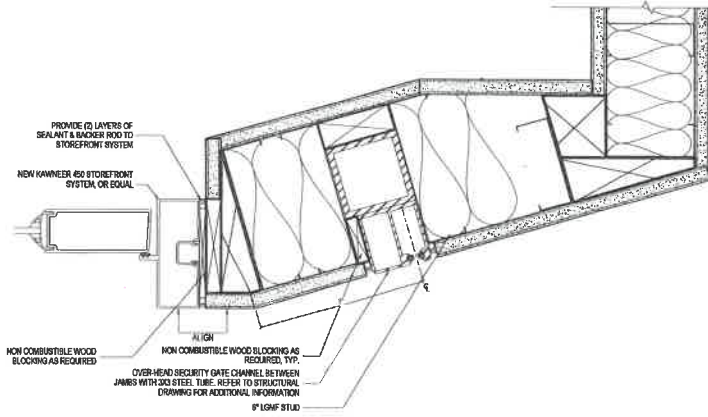
06 HAND RAILING DETAIL - WEST
SCALE: 1/2\"/>



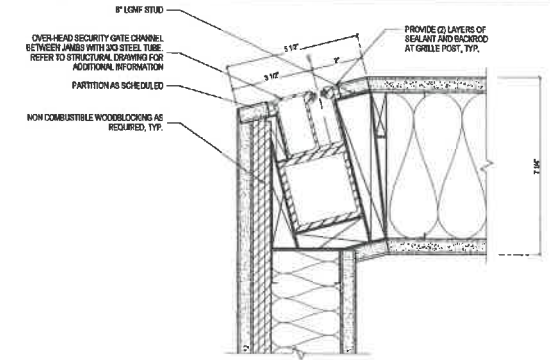
05 HAND RAILING DETAIL - EAST
SCALE: 1/2\"/>



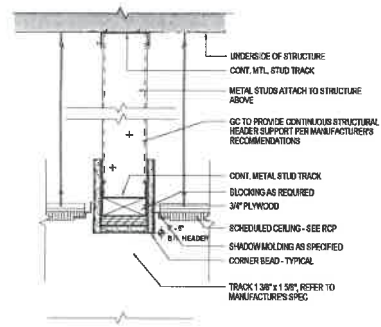
09 TYP. HAND RAILING TERMINATION DETAIL
SCALE: 3/4\"/>



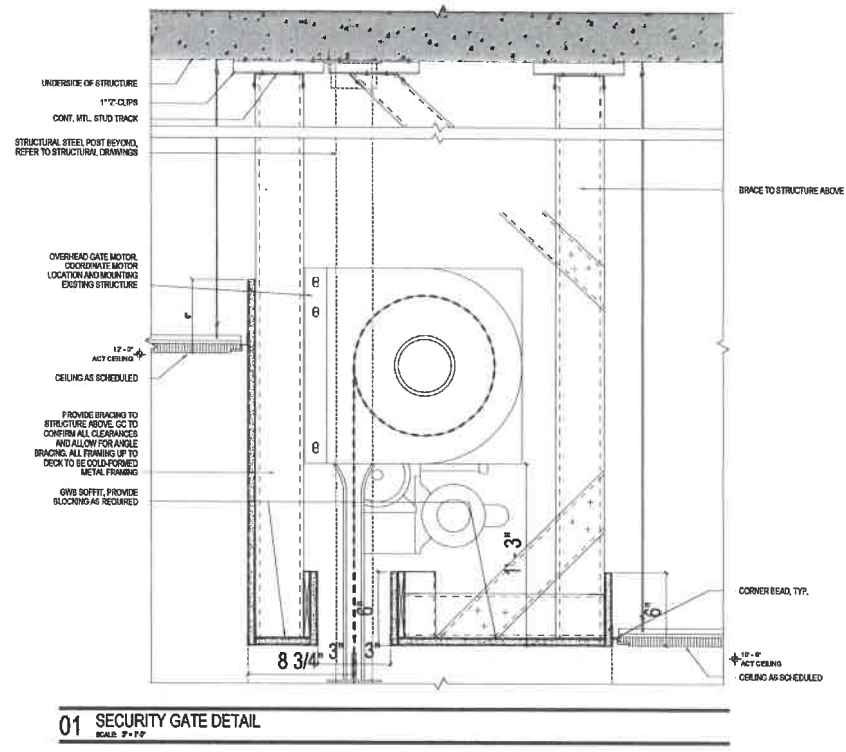
02 INTERIOR STOREFRONT HINGE @ GATE POST DETAIL
SCALE: 3/4" = 1'-0"



03 GATE POST DETAIL AT ATM WALL
SCALE: 3/4" = 1'-0"



04 SECURITY GRILL HEADER DETAIL
SCALE: 3/4" = 1'-0"



01 SECURITY GATE DETAIL
SCALE: 3/4" = 1'-0"

Δ Date	Description
1.8.2018	ISSUE FOR PERMIT

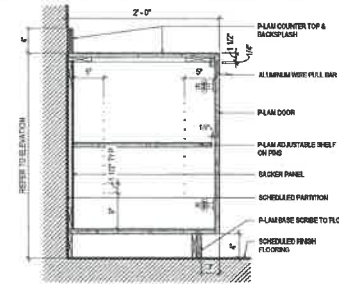
Scale / Magnification

Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
SECURITY GATE DETAILS

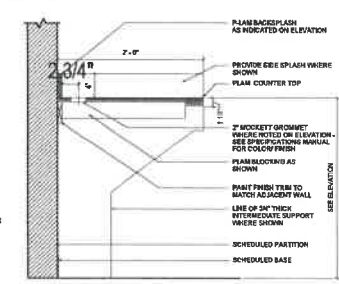
Scale
As indicated

A09.01

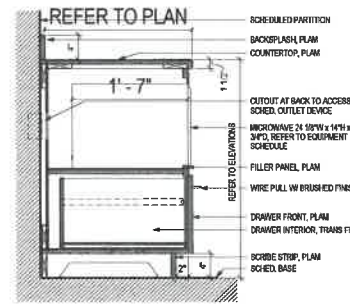
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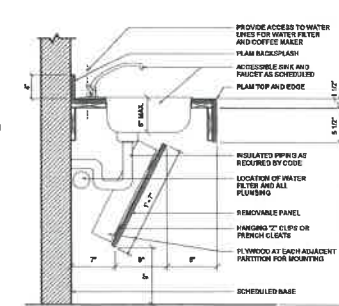
BASE CABINET WITH SHELVING
SCALE: 1/8" = 1'-0"



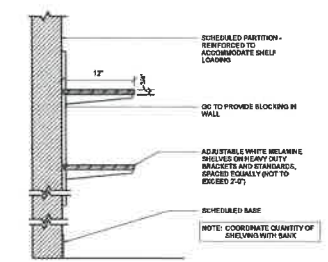
MILLWORK OPEN COUNTER
SCALE: 1/8" = 1'-0"



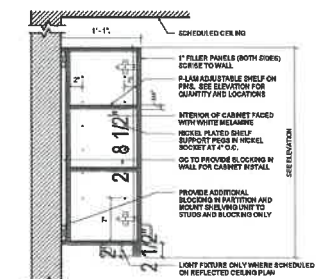
MICROWAVE BASE MILLWORK
SCALE: 1/8" = 1'-0"



ADA BASE CABINET SINK
SCALE: 1/8" = 1'-0"



ADJUSTABLE WALL SHELVES
SCALE: 1/8" = 1'-0"



UPPER SHELVING UNIT1
SCALE: 1/8" = 1'-0"

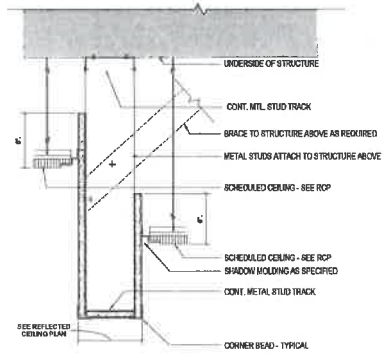
△	Date	Description
1	12/10/18	ISSUE FOR PERMIT

Seal / Signature

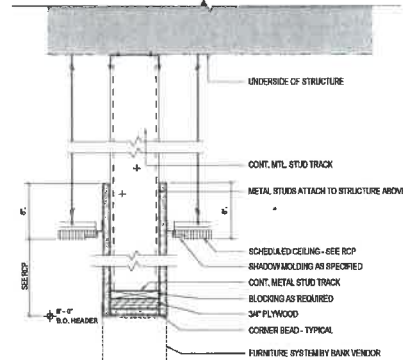
Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
CEILING & MILLWORK DETAILS

Scale
As Indicated

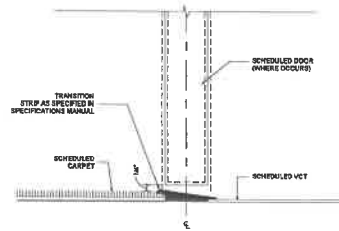
A12.01



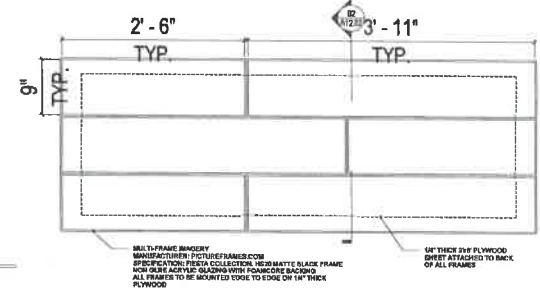
08 ACT-GWB-ACT TRANSITION
SCALE: 3/8" = 1'-0"



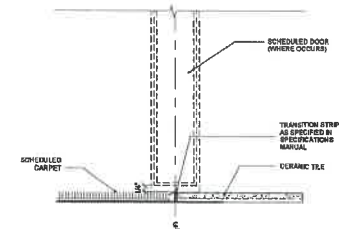
07 DETAIL @ GWB HEADER
SCALE: 3/8" = 1'-0"



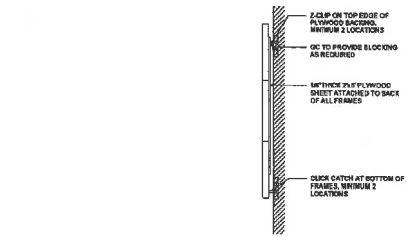
05 CARPET TO VCT TRANSITION
SCALE: 1/2" = 1'-0"



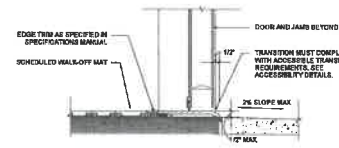
01 NOOK DECOR ELEVATION
SCALE: 1/2" = 1'-0"



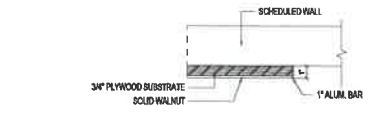
06 CARPET TO CERAMIC TILE TRANSITION
SCALE: 1/2" = 1'-0"



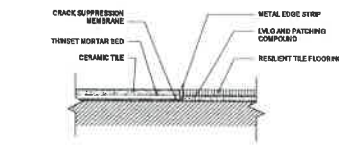
02 NOOK DECOR DETAIL
SCALE: 1/2" = 1'-0"



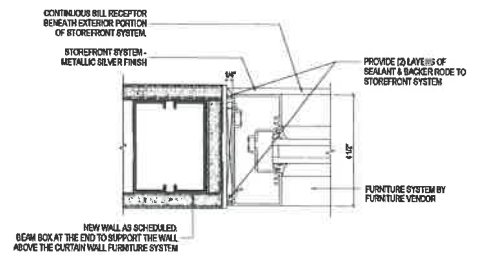
07 ENTRY DOOR WOM TRANSIT.
SCALE: 1/2" = 1'-0"



03 WOOD WALL EDGE DETAIL
SCALE: 1/2" = 1'-0"



08 CERAMIC TILE TO RESILIENT TILE TRANSITION
SCALE: 1/2" = 1'-0"



04 FURNITURE SYSTEM @ WALL
SCALE: 1/2" = 1'-0"

Date	Description
1	EXHIBIT ISSUE FOR BIDDING

Sheet 18 of 20

Project Name
Santander - Central Square, Cambridge
Project Number
11.6850.127
Description
TYPICAL DETAILS

Scale
As Indicated

A12.02

ABBREVIATIONS

4-	TWO-WAY	EAR	EXHAUST AIR REGISTER
2WAY	THREE-WAY	EAT	ENTERING AIR TEMPERATURE
3WAY		EDBT	ENTERING DRY BULB TEMP
A-		EEER	ENERGY EFFICIENCY RATIO
AC	AIR CONDITION	EF	EQUIVALENT OPIN. NUMBER
AD	ACCESS DOOR	EL	ELEVATION/ELEVATOR LOBBY
ADA	AMERICAN DISABILITIES ACT	ELEC	ELECTRIC / ELECTRICAL
ADD	ADDITIONAL	EG	EQUL.
ADJ	ADJUSTABLE	ESP	EXTERNAL STATING PRESSURE
APP	ABOVE-FINISHED FLOOR	EMET	ENTERING MET BULB TEMP
AU	AUTHORITY HAVING JURISDICTION	EMT	ENTERING WATER TEMP
AU	AIR HANDLING UNIT	EXHA	EXHAUST
AU	AMERICAN INSTITUTE OF ARCH	EXST	EXISTING
AMP	AMPERE	-F-	
ARCH	ARCHITECT	F	FIRE/RISK/HT, FIRE SERVICE, FEMALE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS	FA	FACE, FREE AREA, FIRE ALARM
AUTO	AUTOMATIC	FCU	FAN COIL UNIT
AVG	AVERAGE	FD	FIRE DAMPER
-B-	BACKDRAFT DAMPER	FIN R	FRESH AIR
BDD	BACKDRAFT PREVENTOR	FLA	FULL LOAD AMPERES
BDP	BUILDING	FLX	FLEXIBLE
BLDG		FLTR	FILTER
B,W	BELOW / UNDERGROUND	FPM	FEET PER MINUTE
BTU	BRITISH THERMAL UNIT	FT	FOOT, FEET
BTU/H	BRITISH THERMAL UNIT/HOUR	-G-	
-C-		GAL	GALLON
CAP	CAPACITY, CAPACITOR	GALV	GALVANIZED
CC	COOLING COIL	GPM	GALLONS PER MINUTE
CD	CeILING DEFUSION CONSTRUCTION DOCUMENT	GR	GRILLE
CEN	CUBIC FEET PER MINUTE	HD	HEAD
CFM	COMBINATION FIRE/SMOKE DAMPER	HORIZ	HORIZONTAL
CF	CHILLER	HP	HORSEPOWER
CHMR	CHILLED WATER PUMP	HVAC	HEATING, VENTILATION, & AIR CONDITIONING
CHWR	CHILLED WATER RETURN	HWP	HOT WATER PUMP
CHWS	CHILLED WATER SUPPLY	MWR	HOT WATER RETURN
CL	CENTER LINE, CLOSE, CLOSET	HWS	HOT WATER SUPPLY
CLG	CEILING	IC	ICEST.
CNDG	CONDENSATE DRAIN	ID	INSIDE DIMENSION
CO2	CARBON DIOXIDE	INCH	
COND	CONDENSER	INSL	INSULATION
CONN	CONNECT, CONNECTION	K-	KILOWATT
CP	CONTROL PANEL, CHROME PLATED	LV	LATENT HEAT
CV	CONSTANT VOLUME	-L-	LENGTH
CWP	CONDENSER WATER PUMP	LJ	LINED
CWR	CONDENSER WATER RETURN	LAT	LEAVING AIR TEMPERATURE
CWS	CONDENSER WATER SUPPLY	LBS	POUNDS
-D-		LH	LOADING
(D)	EXISTING TO BE DEMOLISHED	LTV	LEAVING WATER TEMPERATURE
DB	DRY BULB	LVR	LOADING
dB	DECIBEL	LWT	LEAVING WATER TEMPERATURE
DBA	UNIT OF SOUND LEVEL	M	MIXED AIR TEMPERATURE
DBT	DRY BULB TEMPERATURE	MAT	MATTING
DDC	DIRECT DIGITAL CONTROL	MAX	MAXIMUM
DEG	DEGREE	MFR	THOUSAND BTU PER HOUR
DIA	DIAMETER	MCH	MECHANICAL
DAMP	DAMPEN	MEDI	MEDIUM
DM	DAMPEN	MER	MECHANICAL EQUIPMENT ROOM
DPT	DWOP POINT TEMPERATURE	MFR	MANUFACTURER
DRN	DRAIN	MSP	MOTOR HORSEPOWER
DWG	DRAWING	MN	MINUTE, MINUTE
-E-		MOT	MOTOR
(E) EX	EXISTING TO REMAIN	MST	MOTOR STARTER
(ER)	EXISTING TO BE RELOCATED	MTD	MEAN TEMP DIFFERENCE
EA	EXHAUST AIR		

SYMBOLS

ANNOTATION	TITLE MARK	DETAIL OR PLAN LOCATION	DUCT FITTING (SEE DETAILS)
1 TITLE M-201 SCALE NTS	DETAIL OR PLAN NUMBER - 1	LOCATION FOUND IN M-201	FLEXIBLE DUCT CONNECTION
1 N-501	REFERENCE DETAIL NUMBER - 1	SECTION MARK	TRANSFER AIR BOOT (STRANDED) SEE SCHEDULES
M-501	SECTION NUMBER - 1	SECTION FOUND IN E-501	TRANSFER AIR ELBOW WITH ACCURATE LINING
PH	PHASE	R	SOUND ATTENUATOR
RD	PRESSURE DROP / DIFFERENCE	RA	CeILING SUPPLY RETURN AIR DIFFUSER, TYPE A, ROUND PATTERNS 4 WAY, 100 CFM
PERF	PERFORATED	RAC	CeILING RETURN REGISTER (GRILLE), TYPE A, 100 CFM
PH	PHASE	RSD	CeILING EXHAUST WITH ANTI-C PLATE (D-NV)
PLG	PLUMBING	RSM	CeILING SUPPLY WITH ANTI-C PLATE (D-NV)
POS	POSTIVE	RSP	ROUND RETURN DIFFUSER
PRV	PRESSURE REDUCING VALVE	RR	ROUND RETURN DIFFUSER
PSI	POUNDS PER SQUARE INCH	RSR	ROUND RETURN DIFFUSER
R	REMOVE EXISTING	RST	ROUND RETURN DIFFUSER
RSE	RISE	RT	REHEAT COIL
RA	RETURN AIR	TA	TRANSFER AIR
RAG	RETURN AIR GRILLE	T	THRIFT
REC	RECESSED	TA	TOTAL DYNAMIC HEAD
REFR	REFRIGERATION	TEMP	TEMPERATURE
REG	REGISTER	TSTAT	THERMOSTAT
REM	REMOVABLE	TYP	TYPICAL
REOV	RECOVER	V	VOLT, VENT, VIDEO
RFOT	REFRIGERANT	V	VARIABLE AIR VOLUME
RH	RELATIVE HUMIDITY	VFD	VARIABLE FREQUENCY DRIVE
RNC	REHEAT COIL	W	WATER, WASH, WASTE
RPL	RUNNING LIQUID AMPIRES	WF	WITH
RLL	REFRIGERANT LIQUID LINE	WO	WITHOUT
RM	ROOM	WB	WET BULB
RPM	REVOLUTIONS PER MINUTE	WBS	WIRE MESH BOILER
REL	REFRIGERANT SECTION LINE	WP	WEATHERPROOF, WORKING
RESER	SEASONAL ENERGY EFFICIENCY RATIO		
RF	SQUARE FOOT (FEET)		
SP	STATIC PRESSURE		
SPEC	SPECIFICATION		
SS	STAINLESS STEEL		
STRUC	STRUCTURAL		
DUCT	DUCTWORK (NEW)		
DUCTWORK (EXISTING)			
DUCTWORK WITH ACOUSTIC LINING			
DUCT UNDER POSITIVE PRESSURE			
DUCT UNDER NEGATIVE PRESSURE			
RISE IN DUCT (IN DIRECTION OF AIR FLOW)			
DROP IN DUCT (IN DIRECTION OF AIR FLOW)			
REHEAT COIL			
FLEX DUCT			
DUCT TRANSITION			
WAND ELBOW			
RADIUS ELBOW			

GENERAL NOTES

- WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, NOTIFY THE ENGINEER PRIOR TO BID. FOR BIDDING PURPOSES THE MORE STRINGENT SHALL APPLY.
- THE CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS FOR ALL TRADES, ASSIGNED BY THE ARCHITECT AND DESIGN DIMENSIONS, SPACE REQUIREMENTS AND POINT OF CONNECTIONS TO ALL EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.
- UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, AND FEES REQUIRED FOR INSTALLATION OF THE MECHANICAL WORK. FURNISH ALL CERTIFICATE OF INSPECTION OR WRITTEN EVIDENCE OF ACCEPTANCE BY INSPECTION AUTHORITIES FOR ALL WORK INSTALLED.
- REFER TO COMPLETE DRAWING PACKAGE FOR EXTENT OF CONSTRUCTION, AND EXACT LOCATION OF FIXTURES, EQUIPMENT, DEVICES, ETC.
- CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO ENSURE AN UNDERSTANDING OF THE COMPLETE SCOPE OF PROJECT PRIOR TO START OF WORK.
- ALL EQUIPMENT & MATERIALS SHALL MATCH DESIGN SPECIFICATIONS AND MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS.
- LOCATION OF DUCTWORK IS APPROXIMATE. ALL DRAWINGS AND LAYOUT ARE DISCREPANCY TO SHOW DESIGN INTENT ONLY. CONTRACTOR TO COORDINATE ALL DUCTWORK AND PIPING WITH ALL OTHER WORK IN FIELD. CONDITIONS DEFER SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS AND AFFECT WORK, INFORM ARCHITECT IMMEDIATELY & RESUME PROCEEDING WITH THAT AREA.
- INSTALL FIRE DAMPER OR COMBINATION FIRE/SMOKE DAMPER ON ALL DUCTS PENETRATING FIRE RATED ENCLOSURES AND PARTITIONS, AND RATED DIVISIONS OF HORIZONTAL EXITS. THE CONTRACTOR SHALL INSTALL ALL COMBINATION FIRE/SMOKE DAMPERS WITH LIFE SAFETY SYSTEM TYPE SMOKE DETECTORS IN THE BUILDING FIRE SAFETY SYSTEM. VERIFY WITH LIFE SAFETY SYSTEM CONTRACTOR. SEE FIRE ALARM SPECIFICATION AND SMOKE CONTROL NOTES FOR ADDITIONAL INFORMATION.
- AIR HANDLING UNITS AND FAN COIL UNITS SHALL BE PROVIDED WITH DUCT SMOKE DETECTOR AT THE UNITS' OUTLET WHEN THE UNITS CAPACITY EQUALS 2000 CFM OR GREATER.
- A MINIMUM OF 3" CLEAR WORKING SPACE, NOT LESS THAN 8" WIDE, SHALL BE MAINTAINED IN FRONT OF ALL SWITCHES, OVERCURRENT DEVICES AND ELECTRIC CONTROL COMPONENTS. THE WORKING SPACE SHALL BE CLEAR AND EXTEND FROM THE GRADE, FLOOR, OR PLATFORM TO MINIMUM OF 6'4" FT. WHERE THE ELECTRICAL EQUIPMENT EXCEEDS 6.0 FT IN HEIGHT, THE MINIMUM HEADROOM SHALL NOT BE LESS THAN THE HEIGHT OF THE EQUIPMENT.
- A MINIMUM OF 3" CLEAR WORKING SPACE SHALL BE PROVIDED IN FRONT OF THE ACCESS PANELS.
- THE SMOKE DETECTORS LOCATED AT AIR MOVING EQUIPMENT SHALL SHUT DOWN ALL AIR HANDLING EQUIPMENT VIA THE LIFE SAFETY SYSTEM. WHEN SMOKE IS DETECTED AT EQUIPMENT, ALL OTHER AIR MOVING EQUIPMENT LOCATED IN OR CONNECTED TO COMMON FLEXION OR SMOKE ZONE, SHALL SHUT DOWN.
- ALL ELECTRICAL CONTROLS FOR THE SMOKE CONTROL SHALL BE HATED FOR SUCH USE.
- PROVIDE ACCESS PANELS AT HATCH/HALL OR CEILING RATINGS IN ALL WALLS OR CEILING WHERE ACCESS TO DAMPERS, CONTROLS, ETC ARE REQUIRED BY CODE. COORDINATE LOCATIONS WITH ARCHITECT.
- CONTRACTOR SHALL NOTE THE CRITICAL SPACE AVAILABLE ABOVE CEILING, AS PROVIDED TO ACCOMMODATE ELECTRICAL EQUIPMENT. PROVIDING EQUIPMENT TO EXCEED THE DIAMETER SHOWN, COORDINATE CLOSELY WITH OTHER TRADES TO REDUCE NECESSITY OF TRANSITIONS TO A MINIMUM. NO ADDITIONAL COSTS WILL BE PAID FOR ANY REQUIRED TRANSITIONS OR OTHER SPECIAL CHANGE SHAPE PIECES. ALL DUCTWORK SHALL BE SUPPORTED AND SEISMICALLY RESTRAINED PER THE CALIFORNIA BUILDING CODES AND SEISMIC REQUIREMENTS.
- THERE SHALL BE NO PIVOT AND/OR DUCTWORK RUN THROUGH ELECTRICAL ROOMS UNLESS THAT DUCTWORK AND/OR PIPING IS SERVING THAT ELECTRICAL SPACE.
- ALL FLEXIBLE DUCT CONNECTIONS TO AIR DISTRIBUTION DEVICES TO BE MAX. 9'-0" ACQUISITION. EX DUCT PER SPECIFICATIONS.
- NOT ALL SYMBOLS, NOTES, DETAILS AND EQUIPMENT IN SCHEDULES ON GENERAL SHEETS WILL APPLY TO EACH BUILDING. THEY ARE TO COVER ALL BUILDINGS AND WILL APPLY BASED ON SCOPE IN BUILDING.
- LOCATE EXISTING REINFORCING STEEL, UTILIZING ANY SUITABLE METAL DETECTION SYSTEM. DO NOT CUT ANY EXISTING STEEL REINFORCEMENT. SHIFT AND/OR OR CORE TO MISS THE REBAR.
- BOLTS MUST BE INSTALLED TO AVOID DAMAGING EXISTING STEEL REINFORCEMENT IN CASE OF CONFLICT. ADJUST BOLT LOCATION, ALLOWING FOR 1" CONCRETE COVER BETWEEN REBAR AND BOLT.
- PROVIDE TRANSFER DUCTS AS NECESSARY ABOVE CEILING FOR RETURN AIR PATH TO AIR HANDLING EQUIPMENT SERVING THAT SPACE. REFER TO DETAILS FOR TRANSFER DUCT SIZES.

SHEET INDEX

NO.	TITLE	SCALE
M-001	MECHANICAL COVER SHEET	NONE
M-002	MECHANICAL SPECIFICATIONS	
M-003	MECHANICAL PLAN - LEVEL 04	
M-004	MECHANICAL PLAN - ROOF	
M-501	MECHANICAL DETAILS	
M-701	MECHANICAL SCHEDULES	



CO# 630
Central Square
599 Massachusetts Avenue,
Boston, MA 02139

Gensler

One Devon Street
Boston, MA 02109
United States
Tel: 617.451.7570
Fax: 617.581.5701



an equal opportunity firm
A member company of SHoP Architects, Inc.
90 State Street, Suite 100
Boston, MA 02109
Tel: 617.451.7570
Fax: 617.577.8191
www.gensler.com

Δ	Date	Description
1		ISSUE FOR BIDDING



Project Name
Santander - Central Square, Cambridge
Project Number
11.6850.127
Description
MECHANICAL COVER SHEET

Scale
NONE

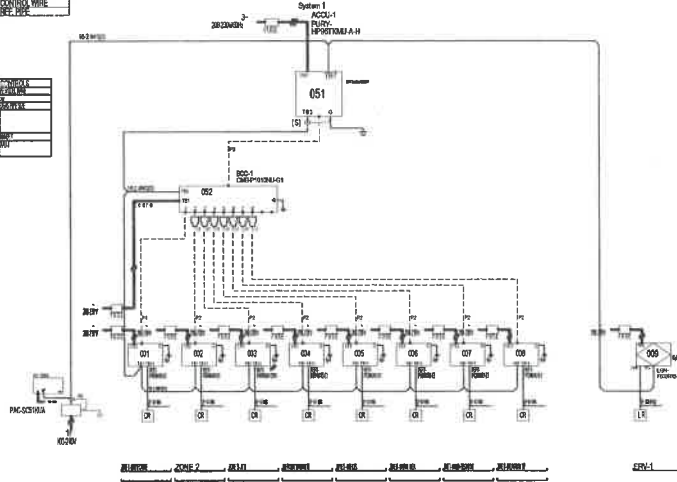
M-001

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SOLID		
CONTROL WIRE		
TYPE 200		

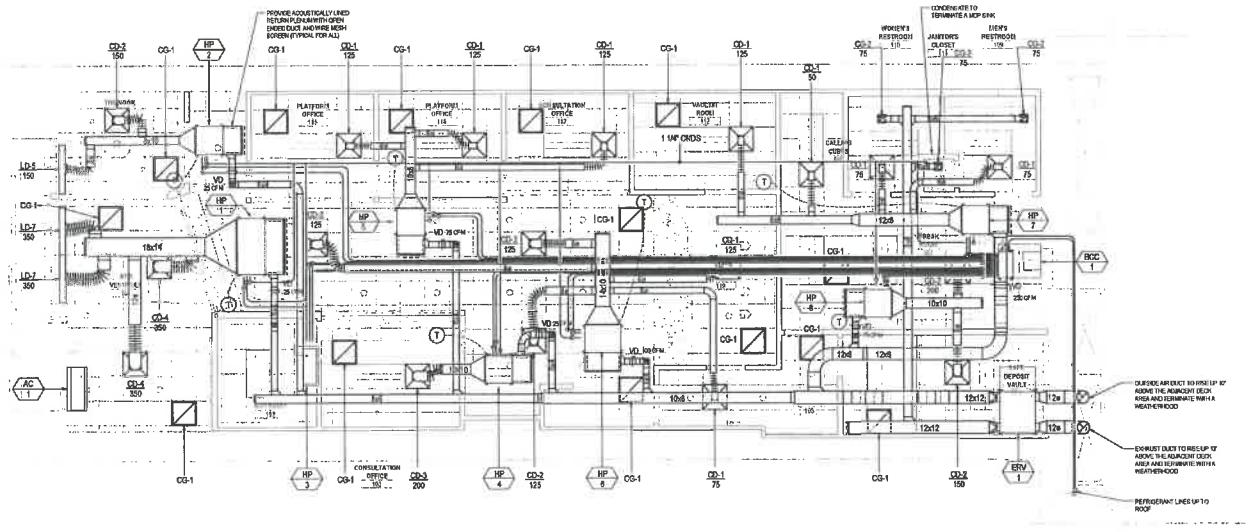
CITY MULTI
SYSTEM SCHEMATIC DWG.

Revised by: [Name] Date: [Date]
 Checked by: [Name] Date: [Date]
 Drawn by: [Name] Date: [Date]

051	052	053	054	055	056	057	058	059	060
061	062	063	064	065	066	067	068	069	070
071	072	073	074	075	076	077	078	079	080
081	082	083	084	085	086	087	088	089	090
091	092	093	094	095	096	097	098	099	100



2 VRF SYSTEM SCHEMATIC
SCALE: NONE



1 MECHANICAL PLAN - LEVEL 01
SCALE: 1/4" = 1'-0"

SHEET NOTES

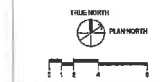
Santander
 C/O# 530
 Central Square
 599 Massachusetts Avenue,
 Boston, MA 02139

Gensler
 One Beaman Street
 14th Floor
 Boston, MA 02108
 Tel: 617.451.8700 Fax: 617.451.8701

SYSKA HENNINGSEN
 A member company of SH Group, Inc.
 System Engineering Group, Inc.
 12 Park Office Square
 Suite 725
 Boston, MA 02108
 Tel: 617.723.2888 Fax: 617.527.8191
 www.syska.com

GENERAL NOTES

1. SEE MECHANICAL ROOM SCHEDULE FOR EQUIPMENT SCHEDULE



Seal/Signature

Project Name
Santander - Central Square, Cambridge

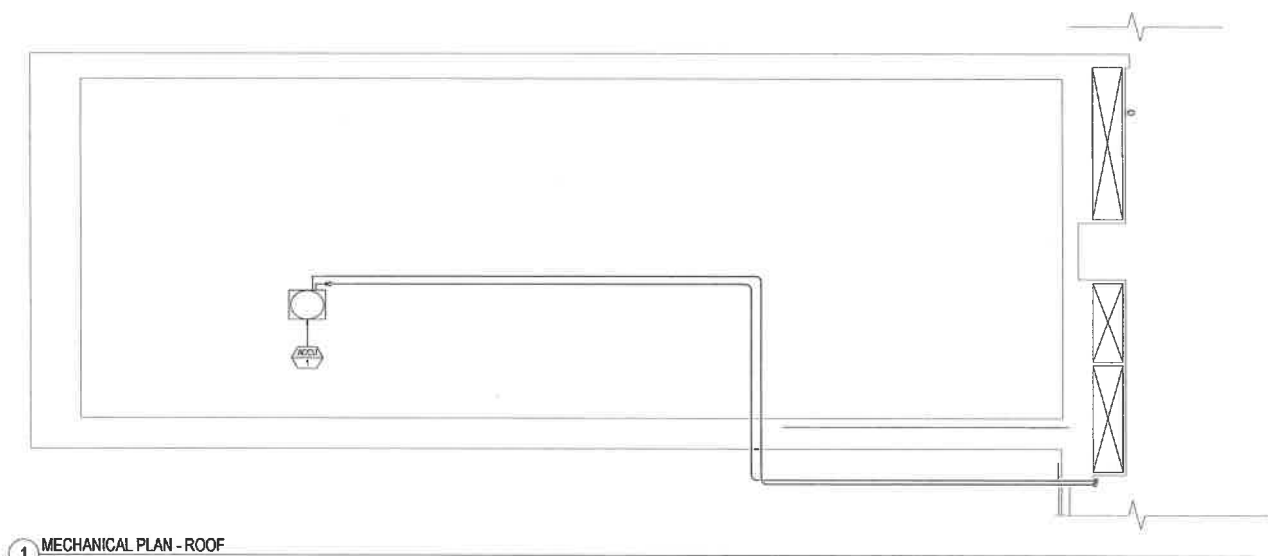
Project Number
11.6850.127

Description
MECHANICAL PLAN - LEVEL 01

Date
 As Indicated

M-101

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1 MECHANICAL PLAN - ROOF
SCALE: 1/4" = 1'-0"

SHEET NOTES

GENERAL NOTES



CD# 630
Central Square
559 Massachusetts Avenue,
Boston, MA 02133



One Beane Street
Boston, MA 02108
United States
Tel: 617.213.1700
Fax: 617.213.1701



A member company of SHoP Group, Inc.
SYRKA HENNESSY ARCHITECT
30 Park Office Square
Suite 202
Somers, MA 01943
Tel: 617.213.1700
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△	Date	Description
1	02/27/10	ISSUE FOR BIDDING

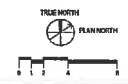
Red / Signature

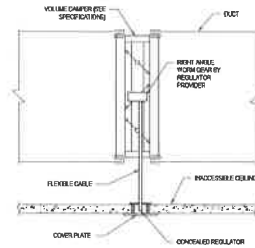


Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
MECHANICAL PLAN - ROOF

Scale
1/4" = 1'-0"

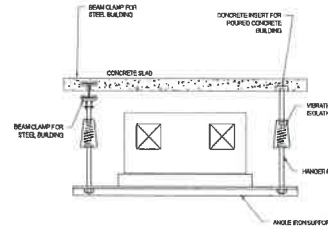
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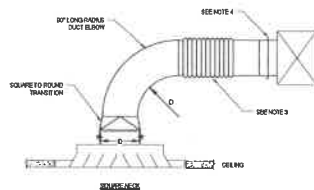
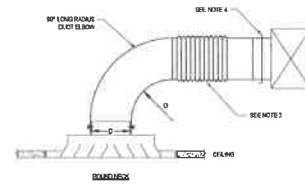
- NOTES
1. A REMOTE ACTUATOR IS NOT REQUIRED WHEN THE VOLUME DAMPER IS INSTALLED ABOVE AN ACCESSIBLE CEILING WHEN INSTALLED ABOVE AN INACCESSIBLE CEILING, ONE OF THE FOLLOWING SHALL APPLY:
 - A. INSTALLED ABOVE CEILING
 - B. WHEN THE HANGING ROD IS SUPPORTED, THE VOLUME DAMPER ASSEMBLY SHALL BE OPERABLE THROUGH THE FACE OF THE CEILING BY MEANS OF FLEXIBLE CABLE
 - C. ALL OPERABLE SHALL BE INSTALLED AS INDICATED
 - D. COORDINATE WITH THE ARCHITECT WHICH ANGLES SHALL HAVE WHICH TYPE OF ACTUATION
 2. SEE SPECIFICATIONS AND LOCAL CODES FOR ANY ADDITIONAL INFORMATION

2 VOLUME DAMPER (VD) DETAIL
SCALE NONE

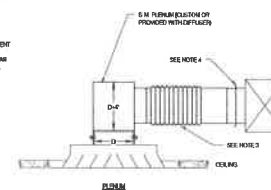
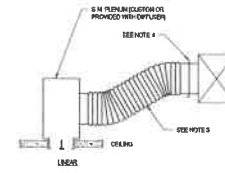


- NOTE
1. METHOD OF HANGING, TYPE OF HESIT, BEAM CLAMP, ROD ETC. MUST BE APPROVED BY STRUCTURAL ENGINEER HANGING DAMPERS

1 FAN EQUIPMENT HANGING DETAIL
SCALE NONE



- NOTES
1. SEE SPECIFICATIONS AND LOCAL CODES FOR ADDITIONAL INFORMATION ON THIS, SEEING, INSULATION, ETC.
 2. ALL DUCTWORK INCLUDING FLEXIBLE DUCT SHALL BE INSULATED OR LINED IN ACCORDANCE WITH THE SPECIFICATION
 3. SEE SPECIFICATION FOR EXTENT OF FLEXIBLE DUCT ALLOWED
 4. MOUNT VOLUME DAMPER AS FAN FRAMING THROUGH PROCEED



3 CEILING MOUNTED DIFFUSER CONNECTION DETAIL
SCALE NONE



CCM 630
Central Square
599 Massachusetts Avenue,
Boston, MA 02139

Gensler

One Beaman Street
13th Floor
Boston, MA 02109
United States



SYSKA HENNESSY
ATTORNEYS AT LAW
A member company of CH2M Group, Inc.
Syska Hennessy Group, Inc.
337 Park Street
Boston, MA 02109
Tel: 617.577.3000
Fax: 617.577.3191
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1. 20250109_ISSUE FOR BID/PERMIT

Seal / Signature



Project Name
Santander - Central Square,
Cambridge

Project Number

11.6850.127

Date: 01/20/25

MECHANICAL DETAILS

Scale

1/8" = 1'-0"

M-501

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AIR TERMINAL SCHEDULE													
DESIGNATION	TYPE	CFM RANGE		MAX. SP. (IN)	FRAME SIZE		MAX. NO.	MANUFACTURER	MODEL	NOTES			
		MIN.	MAX.		(IN)	(IN)				1	2	3	4
CD-1	CEILING DIFFUSER	0	125	0.15	24"x24"	8"	25	PRICE INDUSTRIES	SMD	SEE PLANS FOR CFM			
CD-2	CEILING DIFFUSER	125	175	0.15	24"x24"	8"	25	PRICE INDUSTRIES	SMD	SEE PLANS FOR CFM			
CD-3	CEILING DIFFUSER	175	276	0.15	24"x24"	10"	25	PRICE INDUSTRIES	SMD	SEE PLANS FOR CFM			
CD-4	CEILING DIFFUSER	276	500	0.15	24"x24"	12"	25	PRICE INDUSTRIES	SMD	SEE PLANS FOR CFM			
CD-1	CEILING GRILLE	0	1800	0.15	24"x24"	22"x22"	25	PRICE INDUSTRIES	10	PROVIDE RETURN AIR SILENCER (RAC)			
CD-2	CEILING GRILLE	0	125	0.15	8"x8"	8"x8"	25	PRICE INDUSTRIES	S10	SEE PLANS FOR CFM			
LD-5	LINEAR SLOT DIFFUSER	150	316	0.15	48"	8"	25	PRICE INDUSTRIES	AS10	1/2" SLOT, SEE PLANS FOR CFM			
LD-7	LINEAR SLOT DIFFUSER	310	500	0.15	48"	12"	25	PRICE INDUSTRIES	AS10	1/2" SLOT, SEE PLANS FOR CFM			

AIR CURTAIN SCHEDULE													
DESIGNATION	NO.	MOUNTING TYPE	MFR.	MODEL NO.	CFM STD. AIR	TEMP. RISE (°F)	HEATING KW	FAN RPM	MOTOR HP	ELEC. CHAR. V	PH	HZ	REMARKS
AC	1	CEILING	POWERED AIRWAY INC.	GED-1-36	1710	19	10	2807	0.75	208	3	60	

HEAT PUMP AIR CONDITIONING UNIT SCHEDULE																	
DESIGNATION	NO.	TYPE	MFR.	MODEL NO.	COOLING CAPACITY				HEATING CAPACITY			ELEC. CHAR.			REMARKS		
					BTU/HR @ 80/65	BTU/HR @ 75/65	BTU/HR @ 70/65	BTU/HR @ 65/65	BTU/HR @ 95/45	BTU/HR @ 95/45	BTU/HR @ 95/45	BTU/HR @ 95/45	W	V		PH	HZ
HP	1	CEILING CONCEALED	Mitsubishi Electric	PEFY-P48ANAU-CD	80	87	43,000	32,892	70	54,000	1412	0.88	3.51	208	1	60	
HP	2	CEILING CONCEALED	Mitsubishi Electric	PEFY-P20NMSU-ER2	80	87	8,000	5,855	70	9,000	300	0.80	1.95	208	1	60	
HP	3	WALL MOUNTED	Mitsubishi Electric	PKA-A12R1G	80	87	12,000	3,858	70	15,000	288	0.00	0.19	208	1	60	PROVIDE BLUE DIAMOND MICRO CONDENSATE PUMP
HP	4	CEILING CONCEALED	Mitsubishi Electric	PEFY-P20NMSU-ER2	80	87	8,000	4,870	70	8,700	300	0.80	1.95	208	1	60	
HP	5	CEILING CONCEALED	Mitsubishi Electric	PEFY-P12NMSU-ER2	80	87	12,000	7,442	70	13,500	371	0.80	1.20	208	1	60	
HP	6	CEILING CONCEALED	Mitsubishi Electric	PEFY-P12NMSU-ER2	80	87	12,000	12,432	70	20,000	600	0.80	1.90	208	1	60	
HP	7	CEILING CONCEALED	Mitsubishi Electric	PEFY-P12NMSU-ER2	80	87	12,000	7,442	70	13,500	371	0.80	1.20	208	1	60	
HP	8	CEILING CONCEALED	Mitsubishi Electric	PEFY-P12NMSU-ER2	80	87	12,000	7,442	70	13,500	371	0.80	1.20	208	1	60	

AIR-COOLED CONDENSING UNIT SCHEDULE													
DESIGNATION	NO.	LOCATION	MFR.	MODEL NO.	TYPICAL HEATING CAPACITY (BTU/HR)		TYPICAL COOLING CAPACITY (BTU/HR)		ELEC. CHAR.			REMARKS	
					BTU/HR @ 95/45	BTU/HR @ 95/45	BTU/HR @ 95/45	BTU/HR @ 95/45	W	V	PH		HZ
ACCU	1	ROOF	Mitsubishi Electric	PURCP-180NMAU-1A1	180,000	20,000	81	56	40	208	3	60	1/2" MIN. RIGID INSULATION WITH 1/2" AIR GAP. PROVIDE DRAINAGE DRAINS AND HOSES

ENERGY RECOVERY UNIT SCHEDULE														
DESIGNATION	NO.	CODE TYPE	MFR.	MODEL NO.	TOTAL OF 1/2" E & P FR.		TEMPERATURE RECOVERY	ENTHALPY RECOVERY	ENTHALPY RECOVERY	MCA	VOLTAGE	PHASE	HZ	REMARKS
					BTU/HR @ 95/45	BTU/HR @ 95/45								
ERV	1	1/2" MIN. PERMEABLE CROSS FLOW	Mitsubishi Electric	LEH1200006-2	800	800	80%	80%	80%	208	3	60		

BRANCH CIRCUIT CONTROLLER SCHEDULE													
DESIGNATION	NO.	TYPE	MFR.	MODEL NO.	CONNECTED CAPACITY	MCA	VOLTAGE	PHASE	HZ	REMARKS			
BCO	1	SPKSL	Mitsubishi Electric	CMR2P20NAG1	200	0.14	208	1	60				



COB 630
Central Square
599 Massachusetts Avenue,
Boston, MA 02139

Gensler

One Beacon Street
15th Floor
Boston, MA 02116
United States

Tel: 617.559.3700
Fax: 617.439.1791



SYNKA HENNESSY
architects
A member company of ERI Group, Inc.
Global Interiors Group, Inc.
16 West 67th Street
New York, NY 10023
Boston, MA 02108
Tel: 617.577.5800
Fax: 617.577.5181
www.synka.com

Date Description

1. EXISTING ISSUE FOR RENEWAL

Sheet Statistics



Project Name
**Santander - Central Square,
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Project Number
11.6850.127
Description
MECHANICAL SCHEDULES

Scale

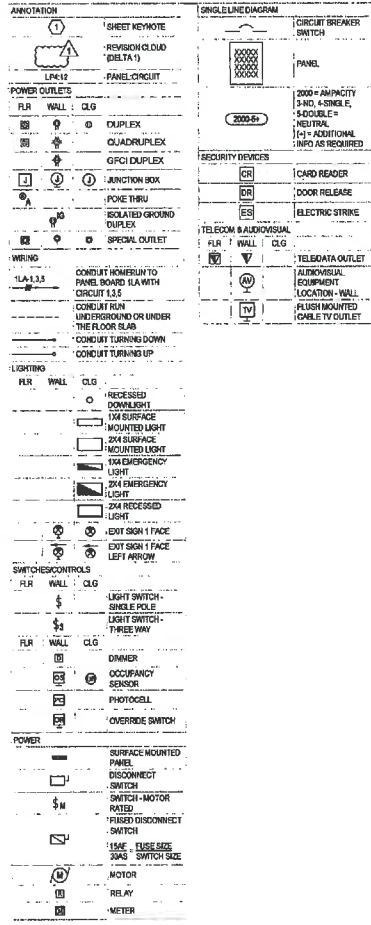
M-701

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ABBREVIATIONS

-A	ABOVE FINISHED FLOOR	HP	HORSEPOWER
AMP	AMPERE	HZ	HERTZ
ANN	ANNUNCIATOR	J	JUNCTION BOX
ARCH	ARCHITECT	LTD	LIGHTING
ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW VOLTAGE
AUX	AUXILIARY	4L	4L
AV	AUDIO VISUAL	MAX	MAXIMUM
AVG	AVERAGE	MOB	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAUGE	MCC	MOTOR CONTROL CENTER
-B		MCH	MECHANICAL
BA	BUILDING AUTOMATION SYSTEM	MINK	MINIMUM
BUILD	BUILDING	MV	MEDIUM VOLTAGE
BMT	BASIN/TANK	-N	NOT TO SCALE
-C		NC	NORMALLY CLOSED
CB	CIRCUIT BREAKER	NEUT	NEUTRAL
CLD	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN NUMBER
CD	CONSTRUCTION DOCUMENT	NTS	NOT TO SCALE
CR	CIRCUIT	-P	
CL	CENTERLINE / CLOSE	P	POLE
Q	CEILING	PB	PULL BOX
CTL	CONTROL	PH	PHASE
CTV	CABLE TELEVISION	PH	PANEL
-D		PWR	POWER
DC	DIRECT CURRENT	REQPT	RECEPTACLE
DEG	DEGREE	REQD	REQUIRED
DEGCE	DEGREE FAHRENHEIT	RM	ROOM
DEM	DEMOLITION	-S	
DIM	DIMENSION	SCHED	SCHEDULE
DSC	DISCONNECT	SD	SMOKE DETECTOR
DSTR	DISTRIBUTION PANEL	SEC	SECTION
PHL		SPEC	SPECIFICATION
DV	DIVISION	SWR	SWITCHBOARD
DIS	DISCONNECT SWITCH	SWGR	SWITCHGEAR
DWG	DRAWING	SYS	SYSTEM
-E		-T	
EC	ELECTRICAL CONTRACTOR	TELECOM	TELECOMMUNICATIONS
EH	ELECTRIC HEATER	TV	TELEVISION
ELEC	ELECTRIC	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
EMER	EMERGENCY	U	UNDERCOUNTER
EPO	EMERGENCY POWER OFF	UL	UNDERWRITERS LABORATORIES
EQUIP	EQUIPMENT	UN	UNLESS OTHERWISE NOTED
-F		UPS	UNINTERRUPTIBLE POWER SUPPLY
F	FAHRENHEIT	UTL	UTILITY
FA	FIRE ALARM	V	VOLT
FAA	FIRE ALARM ANNUNCIATOR PANEL	VA	VOLT AMPERE
FAC	FIRE ALARM CONTROL PANEL	VDF	VARIABLE FREQUENCY DRIVE
FC	FOOT CANDLE	VLT	VOLTAGE
FR	FUSE	-W	
FLEX	FLEXIBLE	W	WATT OR WIRE
FLR	FLOOR	W	WATT
FLUR	FLUORESCENT	W/O	WITHOUT
FR	FIRE RATING	WP	WEATHERPROOF
FREQ	FREQUENCY	XPR	TRANSFER
FT	FOOT / FEET	XFR	TRANSFER
FU	FUSE	XM	EXISTING TO REMAIN
FUW	FUSED SWITCH		
-G			
G	GROUND		
GC	GENERAL CONTRACTOR		
GEN	GENERATOR		
GFI	GROUND FAULT CIRCUIT INTERRUPTER		

SYMBOLS LEGEND



GENERAL NOTES

- UNLESS REQUESTED OTHERWISE, THE AMPLACITY OF 600 VOLTS OR LESS CONDUCTORS SHALL BE AS SHOWN ON THESE DRAWINGS.
- NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.
- FUSES SHALL BE PROVIDED WITH REDUCED TYPE FUSE HOLDERS.
- GREEN INSULATED COPPER GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL BRANCH CIRCUITS AND FEEDERS.
- ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
- PRODUCT SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS.
- A SINGLE RECEPTACLE IS INSTALLED ON AN INDIVIDUAL BRANCH CIRCUIT SHALL HAVE AN AMPERE RATING OF NOT LESS THAN THAT OF THE BRANCH CIRCUIT. INDICATE THE RECEPTACLE RATING.
- NEUTRAL SIZE OF CONDUCTOR SHALL BE 50% MINIMUM SIZE OF NEUTRAL CONDUCTOR SHALL BE #12 AWG, 100% MINIMUM SIZE OF CONDUCTOR SHALL BE #12 AWG, 100% MINIMUM CONDUCTOR SIZE AT 120 VOLTS AND OVER 100% CIRCUIT LENGTH SHALL BE #10 AWG, 100% MINIMUM CONDUCTOR SIZE AT 277 VOLTS AND OVER 200% CIRCUIT LENGTH SHALL BE #10 AWG, 100% MINIMUM CONDUCTORS SHALL BE COPPER TYPE THHN INSULATION.
- MAINTAIN CIRCUIT CONTINUITY TO THE AREAS NOT AFFECTED BY THE ALTERATION. RELOCATE ALL EXISTING CIRCUITS TO REMAIN IF AFFECTED BY NEW CONSTRUCTION.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL RECEPTABLES AND TELEPHONE / DATA OUTLETS, ETC., SHALL BE DETERMINED FROM THE ARCHITECT'S DRAWINGS, UNLESS OTHERWISE INDICATED ON PLANS. REFER CLARITY ONLY. FIELD CONDITIONS PREVAIL. CIRCUIT NUMBERS ARE INTENDED TO BE USED FOR QUANTITIES AND FOR DESIGNATING WHAT OUTLETS WILL BE ON THE SAME CIRCUIT. THEY NEED NOT BE APPLIED STRICTLY FOR ACTUAL CONNECTIONS TO OUTLETS EXCEPT WHERE DRAWINGS CALL FOR SEPARATE NEUTRAL. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS WITH PROPER PHASE SEQUENCING FOR EVERY NEUTRAL WIRE REQUIRED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND COMPLY WITH ALL CITY ORDINANCES AND REGULATIONS. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE ELECTRICAL CODE AND ALL APPLICABLE REGULATIONS.
- FLEXIBLE METALLIC CONDUIT SHALL BE USED FOR PANEL CONNECTION TO MOTORS AND TO RECEPTABLES MOUNTED ON PLANS. LENGTH SHALL NOT EXCEED 4 FT.
- PANEL DIRECTORIES SHALL BE UPDATED TO CORRESPOND TO WORK.
- COORDINATE WITH BUILDING MANAGER, ARCHITECT, AND GENERAL CONTRACTOR PRIOR TO ALL FIELD AND OFFICE WORK.
- ALL RECEPTABLES WIRING TO 1P-2P BRANCH CIRCUIT BREAKERS SHALL BE NEMA 5-20R, UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL DRAWINGS FOR CEILING WORK AND SPECIFICATIONS. COORDINATE WITH GENERAL CONTRACTOR.
- BUILDING FIRE ALARM SYSTEM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES BEFORE, DURING AND AFTER DEMOLITION AND OR CONSTRUCTION.
- IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES ON THESE DRAWINGS THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION. IF BUSINESS CANNOT BE REACHED PRIOR TO THE CONTRACTOR MUST STATE SUCH DISCREPANCIES IN BID PROPOSAL AND BRUSH OUT PROPOSAL.
- ELECTRICAL CONTRACTOR SHALL MEET AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFERENCES THAT WILL AFFECT THE INSTALLATION OF THE WORK. CONTRACTOR SHALL PERFORM THIS, PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR OMISSIONS, OMISSIONS OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
- PERFORM THE WORK AT SUCH TIME AND IN SUCH MANNER AS TO MINIMIZE INTERFERENCE WITH BUILDINGS NORMAL OPERATION. NOTIFY BUILDING REPRESENTATIVE IN ADVANCE EACH TIME A SERVICE OUTAGE OR INTERRUPTION WILL BE REQUIRED FOR THE PERFORMANCE OF SOME PHASE OF THE WORK.
- THE OPERATION OF THE ELECTRICAL INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE OWNER. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND HAS FURNISHED ALL REQUIRED CERTIFICATIONS OF APPROVAL FROM THE STATE AUTHORITIES, MUNICIPAL AUTHORITIES AND UNDERWRITERS.
- CONTRACTOR SHALL COMPLY WITH BUILDING STANDARD SPECIFICATIONS, BUILDING STANDARD SHALL BE PART OF WORK, ANY DISCREPANCIES BETWEEN BUILDING STANDARD AND THESE DRAWINGS SHALL BE SUBMITTED IN PDF FORMAT FOR ENGINEERS REVIEW DURING THE BID PROCESS. A COPY OF BUILDING STANDARD SHOULD BE OBTAINED FROM BUILDING ENGINEER.
- PROVIDE PLASTIC GROMMETS AND PULLWIRE FOR ALL EMPTY CONDUITS.
- PROVIDE BACKBOX & STUB-UP W/ PULLWIRE FOR THERMISTATS COORDINATE QUANTITY & LOCATION WITH GENERAL CONTRACTOR.
- PROVIDE BACKBOX & STUB-UP W/ PULLWIRE FOR TELEDATA OUTLETS, CARD READERS, AND TV BOXES.
- COLOR, HEIGHT AND LOCATION OF ALL RECEPTABLES SHALL BE AS PER ARCHITECT'S DRAWINGS.
- REFER TO AV, TELECOM & SECURITY DWGS FOR ADDITIONAL CONDUIT AND JUNCTION BOX REQUIREMENTS. PROVIDE PULLWIRE IN ALL AV, TELECOM, AND SECURITY CONDUITS.
- CONTRACTOR SHALL LABEL ALL RECEPTABLES WITH CIRCUIT AND PANEL FROM WHICH THEY ARE FED WITH STICK-ON LABEL.
- ALL DEVICES TO BE IN ACCESSIBLE CEILING SPACE, WHERE EXISTING ABOVE ARE RELOCATED WHERE NEW INACCESSIBLE CEILING IS BEING INSTALLED, RELOCATE ABOVE TO ACCESSIBLE CEILING SPACE, EXTEND CONDUIT AND WIRING TO ACCOMMODATE RELOCATION.
- ALL DEVICES SHALL BE SIZED PER NEC ARTICLE 314, TABLE 314.1(A).
- ALL BRANCH WIRING SHALL BE CONFINED IN WALLS AND ASCENDING CEILING WHERE THERE IS NO HANGING CEILING CONDUIT SHALL BE RUN IN A NEAT AND ORDERLY MANNER PARALLEL AND PERPENDICULAR TO HVAC DUCTWORK AND FIRE PROTECTION SPRINKLER PIPING. NO REVERSE CONDUIT IS PERMITTED IN AREAS WHERE IT WILL BE EXPOSED.
- CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DRAWINGS PRIOR TO COMPLETION OF PROJECT FOR REVIEW BY ARCHITECT AND ENGINEER.

DEVICE STATUS LEGEND

- LETTER ADJACENT TO DEVICES INDICATES STATUS AS FOLLOWS:
- XM = EXISTING TO REMAIN
 - XR = EXISTING TO BE RELOCATED, SYMBOL SHOWN DASHED
 - X = EXISTING TO BE REMOVED, SYMBOL SHOWN DASHED
 - NI = EXISTING CIRCUIT TO REMAIN CONNECTED TO NEW DEVICE
 - % = NEW LOCATION OF RELOCATED DEVICE
- NOTE: DEVICES ARE NEW IF NO STATUS SHOWN.

GENERAL RENOVATION/DEMOLITION NOTES

- REMOVE ALL EXISTING LUMINAIRE, WIRING DEVICES, ELECTRICAL EQUIPMENT AND CIRCUITS, WHETHER SPECIALLY INDICATED OR NOT, AS REQUIRED DUE TO THE ARCHITECTURAL AND MECHANICAL DEMOLITION WORK IN THE AREA TO BE RENOVATED. ALL EQUIPMENT THAT HAS BEEN REMOVED AND IS NOT RETURNED SHALL BE RETURNED TO THE OWNER, OR DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- RECONNECT CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY TO REMAINING OUTLETS WHEN EXISTING LUMINAIRES AND DEVICES ARE REMOVED. CONSOLIDATE PARTIALLY LOADED CONDUITS. RECEPTACLE CIRCUITS TO MAXIMIZE SPACE MADE AVAILABLE AT THE PANEL BOARD. TRACES CONSOLIDATED TO ARE 120 VOLT CIRCUITS TO VERIFY THAT THE TOTAL LOAD DOES NOT EXCEED 100% WAMPERS.
- PROVIDE EXTENSION RINGS, COVER PLATES OR ACCESS DOORS AS NECESSARY TO MAINTAIN ACCESS TO EXISTING WORK, WHERE REQUIRED BY NEW CONSTRUCTION. ALL ACCESS DOORS SHALL BE 20" MINIMUM CLEARANCE TO NEW INSTALLATION.
- FIELD VERIFY LOCATIONS OF EXISTING OUTLETS, WIRING NEW CONSTRUCTION CONFLICTS WITH EXISTING OUTLETS, REMOVE WIRING DEVICES OR RELOCATE LUMINAIRES AS REQUIRED, WHETHER OR NOT SPECIALLY INDICATED.
- PROVIDE BLANK COVER PLATES ON JUNCTION BOXES WHICH ARE NOT REUSED.
- PROVIDE TYPE AND SIZE ON CONDUCTORS TO MATCH EXISTING FOR EXISTING CIRCUITS WHICH ARE EXTENDED TO SERVE NEW OR RELOCATED DEVICES OR LUMINAIRES.
- REMOVE CUTTING AND PATCHING AS REQUIRED, WHETHER OR NOT SPECIALLY INDICATED, VERIFY EXTEND OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.
- FIELD VERIFY EXISTING CIRCUITS AND MAKE ADJUSTMENTS AS NECESSARY TO THE CIRCUITS SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.
- REMOVE ALL UNUSED CONDUITS AND WIRING, SWITCHES, RECEPTABLES, LUMINAIRES, ETC., WHERE CEILING, OVER HUNG TRAYS OR WALLS ARE BEING DEMOLISHED EXCEPT AS FOLLOWS: WHERE WALLS AND CEILING ARE TO REMAIN, MAINTAIN EXISTING CIRCUIT WORK AND BOXES SERVING ALL ELECTRICAL EQUIPMENT, OUTLETS AND SWITCHES IN THOSE AREAS. REMOVE ALL POWER WIRING BACK TO ITS OVERCURRENT DEVICE AND MARK CIRCUIT BREAKERS AS SPARE - INSTALL BLANK COVERS ON ALL BOXES. REFER TO DRAWINGS FOR ADDITIONAL REQUIREMENTS AND OTHER SPECIFIC EXCEPTIONS.
- COORDINATE ALL DEMOLITION WORK WITH NEW REQUIREMENTS TO ASSURE THAT EXISTING EQUIPMENT, WIRING, ETC., THAT IS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM IS NOT REMOVED.
- ALL EXISTING ELECTRICAL EQUIPMENT AND CONDUITS THAT INTERFERE WITH ANY NEW CONSTRUCTION SHALL BE RELOCATED OR RE-SITED 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.
- DISCONNECT AND RECONNECT THE EXISTING ELECTRICAL EQUIPMENT AS REQUIRED BY THE CONSTRUCTION MODIFICATIONS.
- MODIFY AND RECONNECT THE EXISTING ELECTRICAL EQUIPMENT AS REQUIRED TO REMAIN, AND NOT AFFECTED BY THE NEW CONSTRUCTION, TO ENSURE THE PANEL SYSTEM WILL FUNCTION IN A SAFE MANNER ACCEPTABLE TO AUTHORITIES.

BRANCH CIRCUIT VOLTAGE DROP (3%)

UNLESS INDICATED OTHERWISE, THE CONTRACTOR SHALL PROVIDE MINIMUM SIZED BRANCH CIRCUIT CONDUCTORS PER THE TABLE BELOW:

Conductor Size (AWG)	Branch Circuit Length (ft)	Voltage Drop (%)		
		120V	240V	480V
#12	100	0.5	1.0	1.5
#10	100	0.4	0.8	1.2
#8	100	0.3	0.6	0.9
#6	100	0.2	0.4	0.6
#4	100	0.1	0.2	0.3

- NOTES:
- ASSUMING SINGLE PHASE CIRCUIT, 100% POWER FACTOR, UNCOATED COPPER CONDUCTORS OF STEEL BACKBOX FROM NEC CHAPTER 9, TABLE 9.
 - ASSUMING LOAD EQUAL TO 80% OF RATED RATING IS CONCENTRATED AT THE END OF THE CIRCUIT.
 - LONGER BRANCH CIRCUIT LENGTHS SHALL BE ALLOWED WHEN THE CIRCUIT LOAD IS KNOWN AND THE CONTRACTOR HAS PROVIDED THE VOLTAGE DROP CALCULATION. THE CALCULATION RESULTS SHALL BE MARKED ON THE AS-BUILT PLANS.

SHEET INDEX

NUMBER	TITLE
E-01	ELECTRICAL COVER SHEET
E-02	ELECTRICAL SPECIFICATIONS
EL-101	ELECTRICAL LIGHTING PLAN
EP-102	ELECTRICAL POWER PLAN
E-501	ELECTRICAL DETAILS AND SCHEDULES



CC# 630
Central Square
598 Massachusetts Avenue,
Boston, MA 02139



One Lincoln Street
10th Floor
Boston, MA 02118
United States
Tel 617.451.2700
Fax 617.451.2501



Systka-Hennessy Group, Inc.
95 Park Drive
Suite 720
Boston, MA 02118
Tel 617.571.0200
Fax 617.571.0201
www.systka.com

Scale: NOT TO SCALE

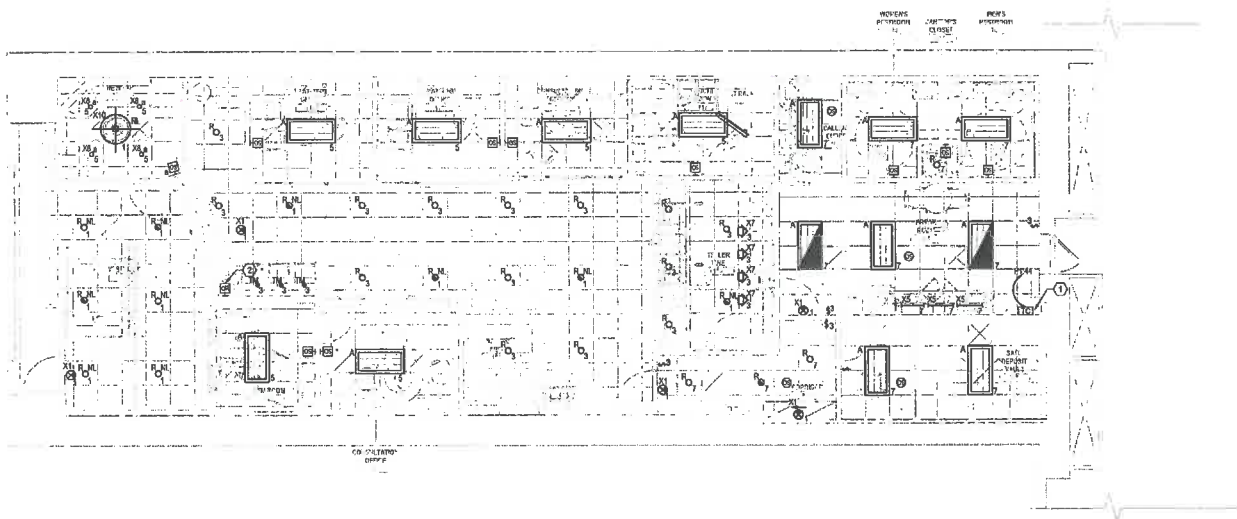
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Project Name
Santander - Central Square,
Cambridge
Project Number
11.8850.127
Drawing No.
ELECTRICAL COVER SHEET

Scale: NOT TO SCALE

E-001



SHEET NOTES

1. ALL LIGHTING FIXTURES AND EXIT SIGNS SHALL BE FED FROM PANEL P1.
2. REFER TO E-501 FOR LIGHTING FIXTURE SCHEDULE AND DETAILS.
3. EXIT SIGNS AND NIGHT LIGHTS SHALL REMAIN UNSWITCHED. "NL" DENOTES NIGHT LIGHT.
4. CONNECT EMERGENCY FIXTURE BATTERY PACKS TO AN UNSWITCHED LEG OF THE CIRCUIT



CCS 630
Central Square
590 Massachusetts Avenue,
Boston, MA 02139

Gensler

One Fenwick Drive
10th Floor
Boston, MA 02109
United States

Tel: 617.552.7500
Fax: 617.552.3251



SYSCA HENNESSY GROUP, INC.
30 Park Drive Plaza
Suite 201
Boston, MA 02109
Tel: 617.552.7500
Fax: 617.552.3251
www.gensler.com

Date: _____
Description: _____

1. DIGITAL USE FOR DIMENSION

SHEET KEYNOTES

1. LIGHTING FIXTURES WITHIN LOBBY AND TELLER AREA (OUT P1-S) SHALL BE CONTROLLED BY TIME CLOCK (TC). PROVIDE NEW 7 DAY DIGITAL TIME CLOCK EQUAL TO TC8K-0010A.
2. PROVIDE OVERRIDE SWITCH TO TURN ON TIMELOCK CONTROLLED LIGHTING CIRCUIT DURING "OFF" HOURS FOR 30 MINS.

Seal / Signature



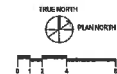
Project Name
**Santander - Central Square,
Cambridge**

Project Number
11.6850.127

Description
ELECTRICAL LIGHTING PLAN

Scale
1/8" = 1'-0"

EL-101





CCF 630
Central Square
530 Massachusetts Avenue,
Boston, MA 02139

Gensler

One Beaman Street
Third Floor
Boston, MA 02108
United States

Tel #1.617.237
Fax #1.617.371



SYSKA HENNESSY
ATTORNEYS AT LAW
Sylvia Hennessy O'Connell, Inc.
45 West 70th Street
New York, NY 10023
Tel #1.212.850
Fax #1.212.850
www.syska.com

SHEET NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF DEVICES.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
- COORDINATE EXACT LOCATION AND QUANTITIES OF ALL SECURITY DEVICES, BOXES, AND CONDUIT WITH SECURITY VENDOR PRIOR TO INSTALLATION.
- COORDINATE LOCATIONS OF ALL FLOOR CORES WITH ARCHITECT AND FURNITURE VENDOR PRIOR TO DRILLING.

Date	Description
1. 05/01/08	ISSUE FOR PERMIT

SHEET KEYNOTES

- POWER FOR ATM SURROUND. COORDINATE EXACT LOCATION WITH ATM VENDOR.
- PROVIDE LEHRAND EVOLUTION (EAT) POKEHBU DEVICE WITH 34°C FOR POWER AND 1-12°C FOR TEGDNA TO NEARBY WALL UP TO ACCESSIBLE CEILING.
- POWER FOR SIGNAGE. COORDINATE EXACT LOCATION IN THE FIELD. PROVIDE PHOTOCELL MOUNTED ON ROOF FOR ON-OFF CONTROL OF SIGN.
- POWER AND DATA FOR DISPLAYS MOUNTED ABOVE ATMS AND LEHRAND BAR. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND MOUNTING HEIGHT.
- POWER AND DATA FOR FURNITURE. COORDINATE INFREQ REQUIREMENTS WITH BANKS FURNITURE VENDOR.
- PROVIDE DUPLEX RECEPTACLES WITH USB PORTS, MOUNTED HORIZONTALLY ABOVE COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT.
- POWER FOR WATER HEATER LEAK DETECTOR PANEL. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH PLUMBER/CONTRACTOR.
- DISCONNECT AND REMOVE EXISTING PANELEDGARD AT THIS LOCATION AND MAINTAIN EXISTING 200A FEEDER SERVING THE PANSEBARD. PROVIDE NEW 200A, 208/120V, 3PH, 4W BUSBLE PANELBOARD AND RECONNECT TO EXISTING 200A FEEDER.
- POWER FOR MOTORIZED GATE. COORDINATE EXACT LOCATION IN THE FIELD.
- KEY OPERATED SWITCHES FOR CONTROL OF MOTORIZED GATE PROVIDED BY GATE SUPPLIER. WIRING BY ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH GATE MANUFACTURER.



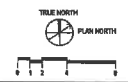
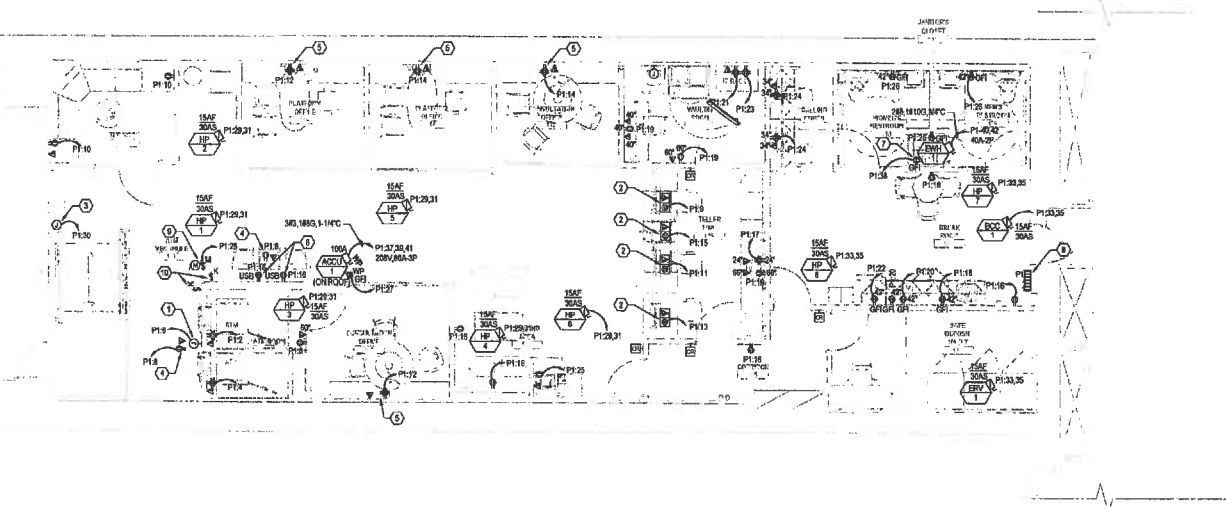
Project Name
Santander - Central Square, Cambridge

Project Number
11.6850.127

Description
ELECTRICAL POWER PLAN

Scale
1/4" = 1'-0"

EP-102



PANEL P1			VOLTAGE				1500V				CIRCUIT CODE 1-CONTINUOUS		
CIRCUIT NUMBER	CIRCUIT TYPE	LOAD TYPE	LOAD	PHASE LOADS			LOAD	LOAD TYPE	CIRCUIT CODE	TYPE	CIRCUIT CODE	NO.	
				VA	A	B							C
1	RECESS LED LIGHT FIXTURE		600	1,200			600	RECESS	1	20	3	2	
3	RECESS LED LIGHT FIXTURE		600	1,200			600	RECESS	1	20	3	4	
8	OFFICE LIGHTING		600			1,200	600	OFFICE	1	20	3	1	
7	RECESS LED LIGHT FIXTURE		700	1,400			700	RECESS	1	20	3	1	
8	RECESS LED LIGHT FIXTURE		800	1,600			800	RECESS	1	20	3	10	
11	RECESS LED LIGHT FIXTURE		800			1,600	700	RECESS	1	20	3	13	
10	RECESS LED LIGHT FIXTURE		800	1,600			700	RECESS	1	20	3	14	
16	RECESS LED LIGHT FIXTURE		800	1,600			800	RECESS	1	20	3	18	
17	RECESS LED LIGHT FIXTURE		800			1,600	800	RECESS	1	20	3	18	
19	RECESS LED LIGHT FIXTURE		1,000	1,500			800	RECESS	1	20	3	20	
20	RECESS LED LIGHT FIXTURE		900	1,800			900	RECESS	1	20	3	21	
23	RECESS LED LIGHT FIXTURE		900	1,800			1,200	RECESS	1	20	3	24	
26	RECESS LED LIGHT FIXTURE		900	1,800			900	RECESS	1	20	3	28	
27	RECESS LED LIGHT FIXTURE		700			1,400	700	RECESS	1	20	3	28	
29	RECESS LED LIGHT FIXTURE		900			1,800	900	RECESS	1	20	3	30	
31	RECESS LED LIGHT FIXTURE		900	1,800			900	RECESS	1	20	3	32	
32	RECESS LED LIGHT FIXTURE		900	1,800			900	RECESS	1	20	3	34	
33	RECESS LED LIGHT FIXTURE		900	1,800			900	RECESS	1	20	3	36	
34	RECESS LED LIGHT FIXTURE		700	1,400			300	RECESS	1	20	3	38	
35	RECESS LED LIGHT FIXTURE		700			1,400	300	RECESS	1	20	3	38	
41	RECESS LED LIGHT FIXTURE		700			1,400	300	RECESS	1	20	3	42	
43	RECESS LED LIGHT FIXTURE			200			200	RECESS	1	20	3	44	
44	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	46	
47	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	48	
48	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	50	
49	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	52	
53	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	56	
54	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	58	
57	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	60	
59	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	62	
60	RECESS LED LIGHT FIXTURE			-				RECESS	1	20	3	64	
TOTAL			18,000	31,818			23,100					60	

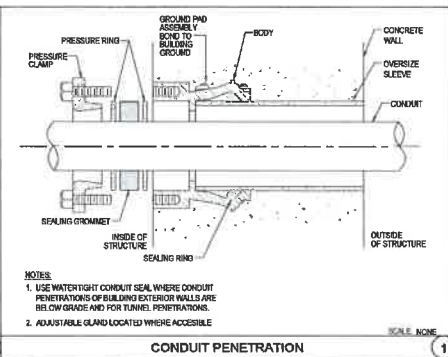
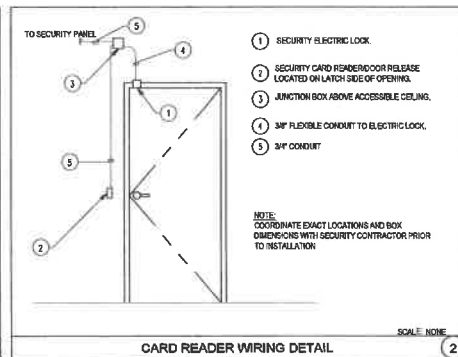
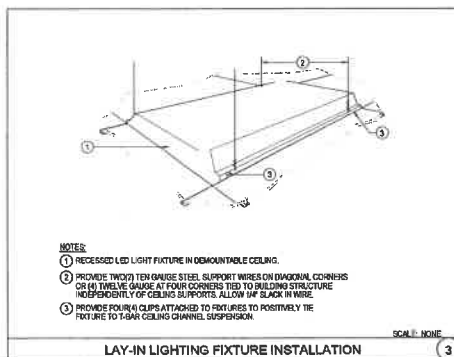
CONNECTED			DEMAND		
VOL	AMP	%	VOL	AMP	%
1.0	7.2	100%	3.3	8.0	
0.9	11.3	156%	4.7	11.4	
1.5	17.9	249%	7.2	18.0	
1.0	8.0	111%	8.0	9.0	
1.0	8.0	111%	8.0	9.0	
TOTAL	51.9	721%	66.4	164.0	

NOTES:
 (1) CONTINUOUS LIGHTING
 (2) NON-CONTINUOUS
 (3) RECEPTACLES (OVER 180VA)
 (4) RECEPTACLES (OVER 180VA)
 (5) RECEPTACLES (OVER 180VA)
 (6) RECEPTACLES (OVER 180VA)
 (7) RECEPTACLES (OVER 180VA)

LIGHTING FIXTURE SCHEDULE

ID	DESCRIPTION	MANUFACTURER / MODEL	LAMP	VOLTAGE
A	RECESSED 2X4 LED ARCHITECTURAL LAY-IN TRIMMER WITH 10V DIMMING DIMMER, 4000 LUMENS (HALF-SHARED DIMMERS EMERGENCY)	MANUFACTURER: DAYRITE PRODUCT #: 252424-B3-405-10V-DIM FINISH: SILK STANDARD	LED 3500K 38 4W	120V
B	RECESSED 4" OPEN APERTURE LED DOWNLIGHT WITH SOFT SATIN CLEAR REFLECTOR AND WHITE TRIM RING, (HALF-SHARED DIMMERS EMERGENCY)	MANUFACTURER: PHILIPS PRODUCT: LIGHTSOL PERFORMANCE PROGRESSIVE PROCC FINISH: SILK STANDARD	LED 3500K 21W	120V
C	UNDERCABINET LIGHT	MANUFACTURER: DAYRITE		120V
D	WALL WASH LIGHT FIXTURE	MANUFACTURER: PHILIPS PRODUCT: WALL WASH FLUORESCENT, WU-BA-1-9-2-120-GB	T12 18W	120V
E	4" OPEN APERTURE DOWNLIGHT WITH SOFT SATIN CLEAR REFLECTOR AND WHITE TRIM RING	MANUFACTURER: PHILIPS PRODUCT: LIGHTSOL LITEPROFILE, P4-016121UWB-PROGRESSIVE-PROCC, F4RD 18210UWB-PROGRESSIVE-PROCC	LED 3500K 7W	120V
F	DECORATIVE PENDANT FIXTURE	PRODUCT: RS220 MERIDIAN JAMB PENDANT	(2) 20W E26 MEDIUM BASE LAMP 3500K LED	120V
G	T1.5A MICRO SUSPENDED D-68MM, H-50MM, CHROME	MANUFACTURER: KAL	LED	120V
H	EXIT SIGN	MANUFACTURER: LITHONIA LIGHTING PRODUCT #: LTR-FW-120/27/ELN COORDINATE WITH FLOOR PLANS FOR FACES AND DIMENSIONS PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED	LED	120V

- NOTES:
 1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THIS SCHEDULE.
 2. PROVIDE EMERGENCY PACK OPTION FOR FIXTURES DESIGNATED AS EMERGENCY ON LIGHTING PLAN (HALF-SHARED).
 3. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.



Scale / Dimension



Project Name
Santander - Central Square, Cambridge

Project Number
11.6850.127

Drawings
ELECTRICAL DETAILS AND SCHEDULES

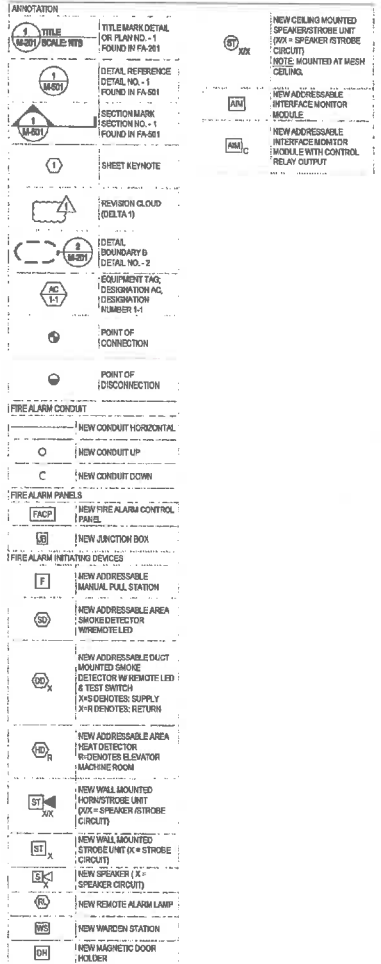
Scale
NOT TO SCALE

E-501

ABBREVIATIONS

-A-	ADDRESSABLE	MAX	MAXIMUM
ADDR.	ADDRESSABLE	MCH	MECHANICAL
AFB	ABOVE FINISHED FLOOR	MER	MECHANICAL EQUIPMENT ROOM
APG	ABOVE PERFORATED CEILING	MFR	MANUFACTURER
AMJ	AUTHORITY HAVING JURISDICTION	MIR	MINIMUM OR MINUTE
AMCS	AUTOMATED MECHANICAL CONTROL SYSTEM	MTD	MOUNTED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MTGT	MOUNTING HEIGHT
AP	ALARM PANEL	-H-	
AUTO	AUTOMATIC	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AUX	AUXILIARY	-N-	NOT IN CONTRACT
-B-		-NO	NORMALLY OPEN NUMBER
BFF	BELOW FINISHED FLOOR	NIS	NOT TO SCALE
BFD	BELOW FINISHED GRADE	NYCBC	2014 NEW YORK CITY BLDG CODE
BLDG	BUILDING	NYCBC	2011 NEW YORK CITY ELEC CODE
BMST	BASISMENT	NYCBC	2014 NEW YORK CITY MECH CODE
-C-		NYCAC	2014 NEW YORK CITY MECH CODE
C	CONDUIT	OC	ON CENTER
CE	CONNECT TO EXISTING	OC	ON CENTER
CL	CLOSET	OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
CLG	CEILING	-P-	
CM	CONSTRUCTION MANAGER	PH	PHASE
COL	COLUMN	PLRG	PLUMBING
COND	CONDUCTOR	PR	PAIR
CONN	CONNECT, CONNECTION	-R-	
-D-		RE	REMOVE EXISTING
(D)	EXISTING TO BE DEMOLISHED	REQD	REQUIRED
DEMO	DEMOLITION	REV	REVISION, REVISION
DN	DOWN	RM	ROOM
DWG	DRAWING	-S-	
-E-		SL	SLEEVE
E	EXISTING TO REMAIN	S.P.	SHIELDED PAIR
ER	EXISTING TO RELOCATE	SQ.FT	SQUARE FEET
EC	ELECTRICAL CONTRACTOR	STD	STANDARD
EL	ELEVATION / ELEVATOR LOBBY	T.P.	TWISTED PAIR
ELEC	ELECTRICAL / ELECTRICAL	T.S.P.	TWISTED SHIELDED PAIR
EMR	ELEVATOR MACHINE ROOM	-U-	
EQ	ELECTRIC / ELECTRICAL	UL	UNDERWRITERS LABORATORY
EQUR	ELEVATOR EQUIPMENT	UNO	UNLESS NOTED OTHERWISE
-F-		-V-	VOLT OR VENT
(F)	FUTURE	VERT	VERTICAL
F	FIRE SERVICE	-W-	WITH
FAP	FIRE ALARM PANEL	WO	WITHOUT
FAC	FIRE ALARM CONTRACTOR	WT	WEIGHT
FACP	FIRE ALARM CONTROL PANEL	WTR	WATER
FAS	FIRE ALARM SYSTEM		
FL	FLOOR		
FT	FEET		
-G-			
GC	GENERAL CONTRACTOR		
-H-			
H	HEIGHT		
H/C/L	HUNG CEILING		
HORIZ	HORIZONTAL		
HP	HURSEPOWER		
HVAC	HEATING, VENTILATION, & AIR CONDITIONING		
-I-			
I	INCH		
-L-			
LAP	LOCAL ALARM PANEL		
-M-			

SYMBOLS LEGEND



GENERAL NOTES

- THIS PLAN IS APPROVED ONLY FOR THE WORK SHOWN ON THE PLOTTING. SPECIFICATIONS LIST ALL OTHER MATTERS WHICH ARE NOT TO BE TAKEN UP ON, OR TO BE CONCERNED AS EITHER BEING APPROVED OR ACCEPTED BY THE ARCHITECT.
- THIS PLAN IS FILED FOR FIRE ALARM SYSTEM ONLY.
- THESE DRAWINGS ARE CONSTRUCTION DOCUMENTS FOR ADDING NEW DEVICES TO AN EXISTING FIRE ALARM SYSTEM. THE NEW WORK SHALL BE COMPLETED BY A LICENSED ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE THE PRIME CONTRACTOR RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FIRE ALARM SYSTEM COMPONENTS, DEVICES, WIRING, CONDUIT AND REQUIRED HARDWARE. THE ELECTRICAL CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUB CONTRACTING A FACTORY APPROVED FIRE ALARM VENDOR. THE FIRE ALARM VENDOR SHALL BE RESPONSIBLE FOR SUPPLYING THE ELECTRICAL CONTRACTOR WITH ALL FIRE ALARM SYSTEM COMPONENTS, TECHNICAL SUPPORT, ASSISTANCE WITH SHOP DRAWINGS SUBMITTALS, THE SYSTEM PROGRAMMING, AND OVERALL INSTALLATION.
- THIS PROJECT SHALL INCLUDE THE INSTALLATION OF NEW FIRE ALARM DEVICES CONSISTING OF BUT NOT LIMITED TO FIRE ALARM BELL, ADDRESSABLE DETECTION AND CONTROL DEVICES, AND ADDRESSABLE NOTIFICATION DEVICES THROUGHOUT THE FACILITY.
- DURING INSTALLATION THE ELECTRICAL CONTRACTOR SHALL TEST ALL FAS WIRING FOR INTERFERENCE (CONDUCTOR TO CONDUCTOR OR CONDUCTOR TO GROUND). AFTER ALL EQUIPMENT IS COMPLETELY INSTALLED, TESTED AND OPERATIONAL AS DESCRIBED ABOVE THE NEW FOC SHALL BE PROGRAMMED AND ALL FAS PANELS SHALL BE TESTED AND THE WIRING RE-TESTED.
- THIS PROJECT SHALL INCLUDE THE INSTALLATION OF NEW FIRE ALARM INITIATING AND NOTIFICATION DEVICES, AS SHOWN ON THE DRAWINGS. FOLLOWING COMPONENTS SHALL BE PROVIDED UNDER THIS CONTRACT:
 - AREA SMOKE DETECTORS.
 - ADDRESSABLE MANUAL PULL STATIONS.
 - ADDRESSABLE CONTROL AND MONITORING INTERFACE DEVICES.
 - VISUAL ALARM STROBES AND/OR SPEAKER/STROBES.
 - FIRE ALARM CABLE CONDUITS AND BACKBOXES.

SHEET INDEX

NUMBER	TITLE
FA-001	FIRE ALARM COVER SHEET
FA-001	FIRE ALARM PLAN
FA-001	FIRE ALARM DETAILS

FIRE ALARM CABLE TYPE LEGEND

ID	DESCRIPTION	TYPE	ID	DESCRIPTION	TYPE
A	PRIMARY RS-485 DATA (FPLR)	#16 TP (RISER)	M	6WRE (FLOOR)	#16 GP & #16 TP
B	REDUNDANT RS-485 DATA (FPLR)	#16 TR (RISER)	N	24 VDC POWER	#14 PR
C	PRIMARY LOW-LEVEL ALARM	#16 TSP (RISER)	P	SYSTEM GROUND (2W)	0
D	REDUNDANT LOW-LEVEL ALARM RISER CIRCUIT	#16 TSP (RISER)	R	SYSTEM GROUND (2W)	#10
E	TELEPHONE RISER (FPLR)	#16 TSP (RISER)	S	120VAC POWER (2WR) - RHW	2#12
F	ADDRESSABLE CIRCUIT	#16 TP	T	120VAC POWER (2WR) - RHW	2#10
G	SPEAKER CIRCUIT	#14 TSP	U	120VAC POWER (2WR) - RHW	3#8
H	STROBE CIRCUIT	#12 TP	W	120VAC POWER (2WR) - RHW	3#8
J	WARDEN TELEPHONE EXT.	#16 TSP	X	120VAC POWER (2WR) - RHW	3#4
K	RELAY MONITOR	#14 PR	Y	POWER TO REM. MFR. (2W/C)	2 #12 COND.
L	SPARE (RISER)	#14 GP & #14 TP	Z	RS-232 SERIAL	AS REQ.

THE CABLE TYPES LISTED REPRESENT BASIC FUNCTIONAL REQUIREMENTS OF A STANDARD FIRE ALARM SYSTEM. MANUFACTURERS REQUIRING VARIATIONS OF THE CABLE TYPES LISTED SHALL MAKE SUBSTITUTIONS ACCORDINGLY.

COB 630
 Central Square
 659 Massachusetts Avenue,
 Boston, MA 02139

One Devon Road
 10th Floor
 Boston, MA 02108
 United States
 Tel 617.419.8333
 Fax 617.613.5051

SYKA HENNESSY Corp., Inc.
 100 Park Street, 8th Floor
 Boston, MA 02108
 Tel 617.552.8000
 Fax 617.552.8001
 www.syka.com

Legend
 1. APPROVED FOR FIRE ALARM SYSTEM

Seal & Signatures

Project Name
 Santander - Central Square, Cambridge

Project Number
 11.6850.127

Date
 11/15/17

Title
 FIRE ALARM COVER SHEET

Scale
 NOT TO SCALE

FA-001



CCF 630
 Central Square
 559 Massachusetts Avenue,
 Boston, MA 02139

Gensler

One Boston Street
 7th Floor
 Boston, MA 02108
 United States



SYSKA HENNESSY

350 State Street
 15th Floor
 Boston, MA 02109
 Tel: 617.572.8800
 Fax: 617.572.2101
 www.ssh.com

Date: 08/14/13
 Design: 08/14/13

1. REVIEW ISSUE FOR BUREAU

SHEET NOTES

1. REFER TO GENERAL NOTES ON DRAWING FA-001 FOR ADDITIONAL REQUIREMENTS. REFER TO FIRE ALARM SPECIFICATIONS ON E-002.
2. CONNECT NEW FIRE ALARM DEVICES TO EXISTING BUILDING FIRE ALARM SYSTEM. NEW DEVICES SHALL MATCH EXISTING BUILDING SYSTEM. FACT LOCATED IN ADJACENT TENANT SPACE. COORDINATE WITH LANDLORD FOR EXACT LOCATION.

SHEET KEYNOTES

1. PROVIDE TAMPER-PROOF CASE FOR PULLSTATION IN ATM VESTIBULE

Sheet Numbers



Project Name
 Santander - Central Square,
 Cambridge

Project Number
 11.6850.127

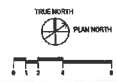
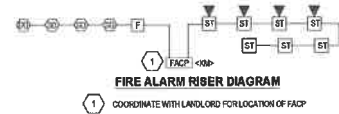
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 08/14/13

Sheet Title
 FIRE ALARM PLAN

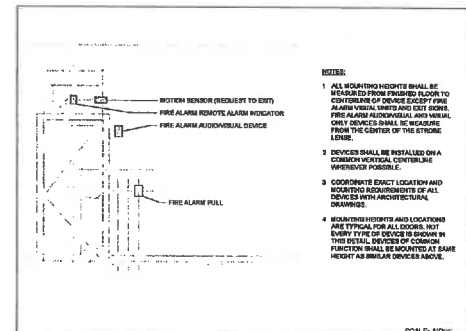
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FA-101

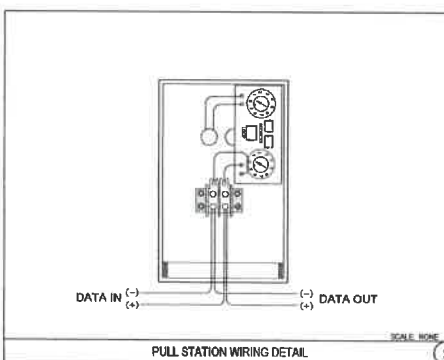
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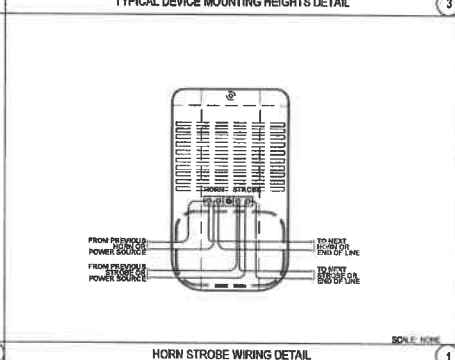
Date	Description
11/20/2019	ISSUE FOR PERMIT



TYPICAL DEVICE MOUNTING HEIGHTS DETAIL SCALE: NONE 3



PULL STATION WIRING DETAIL SCALE: NONE 2



HORN STROBE WIRING DETAIL SCALE: NONE 1



Project Name
Santander - Central Square, Cambridge

Project Number
11.6850.127

Description
FIRE ALARM DETAILS

Scale
NOT TO SCALE

FA-501

ABBREVIATIONS

AA	ABANDON	HVCP	HOT WATER CIRCULATING PUMP
AC	ACCESS FLOOR	HWR	HOT WATER RETURN
AF	ABOVE FINISHED FLOOR	IE	INVERT ELEVATION
AG	AIR GAP	JC	JANITORS CLOSET
AHJ	AUTHORITY HAVING JURISDICTION	KW	KILOWATT
AP	ACCESS PANEL	LAV	LAVATORY
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	LD	LEADER
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERS	MAX	MAXIMUM
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	MCH	MECHANICAL
AWMA	AMERICAN WATER WORKS ASSOCIATION	MER	MECHANICAL EQUIPMENT ROOM
B	BELONGING TO	MIN	MINIMUM
BFP	BACKFLOW PREVENTER	MOP	MOP SINK
BLDG	BUILDING	NC	NORMALLY CLOSED
BLV	BELONGING TO	NO	NORMALLY OPEN
BMS	BUILDING MANAGEMENT SYSTEM	NTS	NOT TO SCALE
BTU	BRITISH THERMAL UNIT	OC	ON CENTER
C	CUBIC FEET PER MINUTE	ORD	OVERFLOW ROOF DRAIN
CAF	CENTER LINE	OS&Y	OPEN STEM AND YOKE
CLO	CLOSET	P.B.G.	PLUMBING
CO	CLEANOUT	PO	PLUGGED OUTLET
COOP	CLEANOUT COCK PLATE	PSI	POUNDS PER SQUARE INCH
COND	CONDENSATE	RCV	RESISTOR CONTROL VALVE
COORD	COORDINATE	RD	ROOF DRAIN
CV	CHECK VALVE	RM	ROOM
CW	COLD WATER	RPM	REVOLUTIONS PER MINUTE
D	DOUBLE CHECK DETECTOR ASSEMBLY	RPTZ	REDUCED PRESSURE ZONE DEVICE
DDV	DOUBLE CHECK VALVE	S	SOIL
DEMO	DEMOLITION	SA	SHOCK ABSORBER
DF	DRINKING FOUNTAIN	SAN	SANITARY
DFU	DRAINAGE FIXTURE UNIT	SD	STORM DRAIN
DR	DRAWING	SE	SEWAGE SECTOR
DWG	DRAWING	SED	SEWAGE EJECTOR DISCHARGE
E	EXISTING	SK	SINK
EJ	EJECTOR	SMP	SUMP PUMP
ELEC	ELECTRICAL	SMPD	SUMP PUMP DISCHARGE
EQUIP	EQUIPMENT	SQ FT	SQUARE FEET
ENC	ELECTRIC WATER COOLER	STD	STANDARD
EMH	ELECTRIC WATER HEATER	T	TEMPERATURE AND PRESSURE VALVE
F	FAN/NET	TVP	TYPICAL
FCD	FLOOR CLEANOUT	UGND	UNDERGROUND
FD	FLOOR DRAIN	UL	UNDERWRITERS LABORATORY
FF EL	FINISHED FLOOR ELEVATION	UR	URINAL
FLR	FLOOR	V	VENT
FP	FIRE PROTECTION	VB	VACUUM BREAKER
FFM	FEET PER MINUTE	VFP	VELOCITY IN FIELD
FS	FLOOR SINK	VOL	VOLUME
FT	FOOT/FEET	VOV	VALVE ON VERTICAL
G	GAS	VTR	VENT THROUGH ROOF
GAL	GALLON	W	WASTE
GC	GENERAL CONTRACTOR	WI	WITH
GFT	GALLONS PER FLUSH	W/O	WITHOUT
GPH	GALLONS PER HOUR	W/C	WATER CLOSET
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
GR FL	GROUND FLOOR	WH	WATER HEATER
GW	GAS WATER HEATER	WHA	WATER HAMMER ARRESTOR
H	HANDICAPPED	WM	WATER METER
H/LAV	HANDICAPPED LAVATORY	WSP	WORKING STEAM PRESSURE
HP	HORSEPOWER	WWP	WORKING WATER PRESSURE
HTR	HEATER		
HVR	HANDICAPPED URINAL		
HVC	HEATING VENTILATION AND AIR CONDITIONING		
HW	HOT WATER		
HWC	HANDICAPPED WATER CLOSET		

SYMBOLS LEGEND

ANNOTATION		TITLE MARK	
	TITLE MARK DETAIL OR PLAN NUMBER - 1 SCALE: NTS		SECTION MARK DETAIL OR PLAN REF. LOCATION FOUNDED IN P-201
	SECTION MARK REFERENCE DETAIL NUMBER - 1 DETAIL FOUND IN P-201		DETAIL REFERENCE DETAIL NUMBER - 1 SECTION NUMBER - 1 SECTION FOUND IN P-201
	SHEET KEYNOTE		MISCELLANEOUS
	REVISION CLOUD (RELT-1)		BACKFLOW PREVENTER
	DETAIL BOUNDARY B DETAIL NUMBER - 2		METER
	EQUIPMENT TAG DESIGNATION AC, DESIGNATION IC, NUMBER - 1-1		TRAP PRIMER
	PLUMBING LINES		VACUUM BREAKER
	NEW PIPING		NOISE BIB
	EXISTING TO REMAIN		WALL HYDRANT
	EXISTING TO BE DEMOLISHED		
	UNDERGROUND/ SLOW		
	COLD WATER		
	HOT WATER		
	DRAINS		
	VALVES		
	AUTOMATIC AIR VENT		
	BACK WATER VALVE		
	BALL VALVE		
	BUTTERFLY VALVE		
	CHECK VALVE		
	CAPHRAGM VALVE		
	FIRE HOSE VALVE WITH REDUCER CAP AND SHANK		
	FLAT VALVE		
	FRISBEE LINK		
	GATE VALVE		
	GLOBE VALVE		
	MASTER GAS CONTROL VALVE		
	SEMI-CAS CONTROL VALVE		
	MOTORIZED BALL VALVE		

GENERAL NOTES

- DRAWINGS ARE DIAGNOSTIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. EXACT LOCATION SHALL BE COORDINATED WITH ALL TRADES, THE STRUCTURAL DRAWINGS, ARCHITECTURAL DRAWINGS, AND/OR GENERAL CONTRACTOR AND CONSTRUCTION MANAGER.
- LOCATION AND SIZES OF EXISTING PIPING ARE APPROXIMATE. VERIFY THE LOCATIONS AND SIZES OF EXISTING PIPING IN THE FIELD. IF ANY DISCREPANCIES OCCUR WITH THE CONTRACT DRAWINGS, NOTIFY THE ARCHITECT AND/OR THE ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK.
- ALL EXPOSED PIPING PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PROVIDED WITH APPROPRIATE FIRE RESISTANT SEALANT AND ESCUTCHEONS.
- SEAL OPENINGS AROUND PLUMBING WORK AND PIPING THROUGH PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH NON-COMBUSTIBLE MATERIAL AND ESCUTCHEONS.
- SUBMISSION OF A PROPOSAL SHALL BE EVIDENCE THAT A CAREFUL EXAMINATION OF THE SITE, DRAWINGS & SPECIFICATIONS HAVE BEEN MADE AND THE CONTRACTOR IS FAMILIAR WITH THOSE ITEMS AND AREAS THAT WILL PRESENT DIFFICULTY TO THE PERFORMANCE OF THIS CONTRACT. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, ETC. NECESSARY TO COMPLETE ALL WORK AS A RESULT OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN.
- CONTRACTOR TO VERIFY THE EXISTING CONDITIONS BEFORE CONSTRUCTION. CONFIRMING SIZES AND LOCATIONS OF ALL EXISTING PIPING PRIOR TO START OF WORK.
- ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH ANY WORK.
- PRIOR TO STARTING DEMOLITION, DETERMINE LOCATIONS AND EXISTING CONDITIONS.
- THIS CONTRACTOR SHALL PAY FEES, GIVE NOTICE, FILE NECESSARY DRAWINGS AND OBTAIN PERMITS AND CERTIFICATES OF APPROVAL, REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT AND COMPLY WITH LOCAL LAWS AND ORDINANCES.
- PROVIDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR A COMPLETE AND SAFE INSTALLATION OF MECHANICAL IN FULL CONFORMITY WITH REQUIREMENTS OF ALL APPLICABLE LOCAL JURISDICTIONS, ALL AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED FOR THE SYSTEMS INCLUDED. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. INCLUDE ALL COSTS FOR PERMITS, LICENSES, CERTIFICATES, FILING AND INSPECTIONS REQUIRED BY APPLICABLE LOCAL JURISDICTIONS.
- UNDER NO CIRCUMSTANCES WILL THIS CONTRACTOR OR HIS WORKMEN BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP EXCEPT AS DESIGNATED FOR SUCH USE.
- ALL EXISTING WATER PIPING WITHIN FIVE (5) FT. OF NEW CONNECTIONS SHALL BE PROVIDED WITH NEW INSULATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR FINAL ADDITIONAL INFORMATION.
- ALL WORK MUST BE COORDINATED AROUND THE OPERATION OF THE FACILITY.
- EXCESS MATERIALS IN DESIGNATED SPACES.
- UNNECESSARY NOISE SHALL BE AVOIDED AT ALL TIMES AND NECESSARY NOISE SHALL BE REDUCED TO A MINIMUM.
- ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE CONSTRUCTION DOCUMENTS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER'S PRIOR TO SUBMITTING A PROPOSAL OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- REMOVAL OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAIL ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP WORK PROPOSAL.
- DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT, AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF SYSTEM.
- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE.
- THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.

SHEET INDEX

NO.	TITLE
P-001	PLUMBING COVER SHEET
P-002	PLUMBING SPECIFICATIONS
P-101	PLUMBING FLOOR PLANS
P-201	PLUMBING DETAILS
P-201	PLUMBING CONTRACTS

PLUMBING FIXTURE SCHEDULE		
EQUIPMENT ID	NO.	DESCRIPTION
KS-1	1	ELKAY MODEL LAR02Z19 SINK, INCLUDE KOHLER MODEL K-1200 FAUCET
LAV-1	1	TOILET MODEL L1207 LAVATORY, INCLUDE TOTO MODEL T-155-D THE FAUCET
MS-1	1	FAT MODEL MSR-2434 MCP SINK, INCLUDE KOHLER K-4067 FAUCET AND SINK TO MODEL S3111 MOP HANGAR-HOLE, INCLUDE GRID DRAIN WITH TRAP
MV-1	1	POWERS MODEL LTM4602 TEMPERING VALVE
WC-1	1	KOHLER MODEL K-3070 WATER CLOSET, INCLUDING OPEN FRONT ELONGATED SEAT
DWH-1	1	RIEMEN MODEL EGSP15 15-GALLON BAW ELECTRIC WATER HEATER
WM-1	1	BADGER REDUCER/ALL SERIES WATER METER MODEL 55



CON 530
Central Square
609 Massachusetts Avenue,
Boston, MA 02138



One Beacon Street
Third Floor
Boston, MA 02108
John Riley



A member company of OJ Group, Inc.
OJ Group
1000 Pennsylvania Plaza
Suite 210
Baltimore, MD 21202
Tel: 410.527.2900
Fax: 410.527.8181
www.ojgroup.com

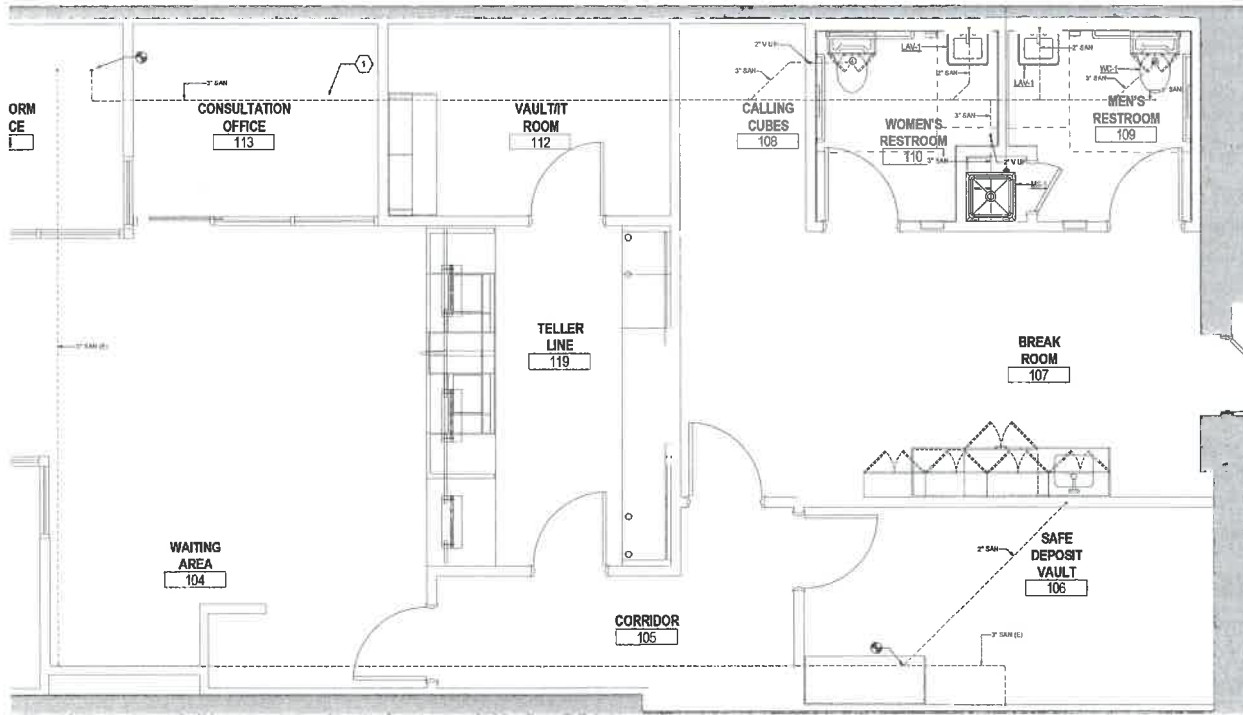
Date	Description
11/02/2010	ISSUE FOR PERMITTING

Seal / Signature

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Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
PLUMBING COVER SHEET

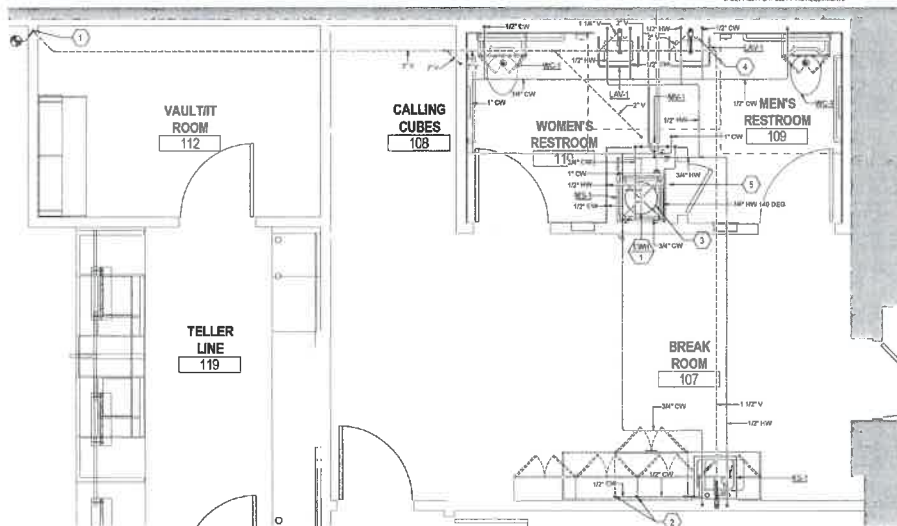
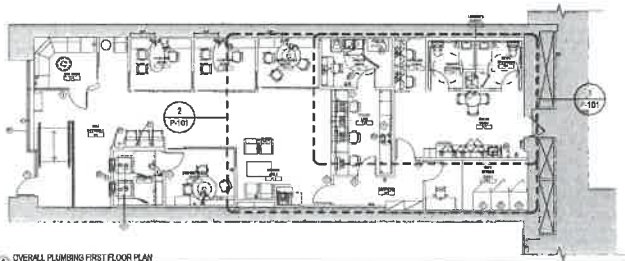
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P-001



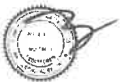
- DOMESTIC WATER AND VENT PLAN**
1. PROVIDE VENT FOR EACH SINK AND TOILET.
 2. PROVIDE WATER CONNECTION TO COULTER. PROVIDE WATER CONNECTION TO COULTER. PROVIDE WATER CONNECTION TO COULTER.
 3. LOCATE ELECTRIC WATER HEATER ABOVE AND PIPING LOCATED AT OR NEAR TO BOTTOM OF SH-1. SEE SUPPLEMENTAL ELECTRICAL HEATER DETAIL ON SHEET P-101.
 4. PROVIDE TRAP/VENT VALVE CHECK WATER SUPPLY TO LAUNDRY (FROM THE LAUNDRY ROOM) VALVE DETAIL ON SHEET P-101.
 5. WARM HEATED FLOOR SHOW SCHEMATIC ON THIS PLAN. CHECK WATER HEATER DETAIL ON SHEET P-101 FOR FULL PIPING REQUIREMENTS.

2 OVERALL PLUMBING FIRST FLOOR PLAN
1/8" = 1'-0"



4

Date	Description
1/22/2010	ISSUE FOR PROPOSAL



Seal Signature

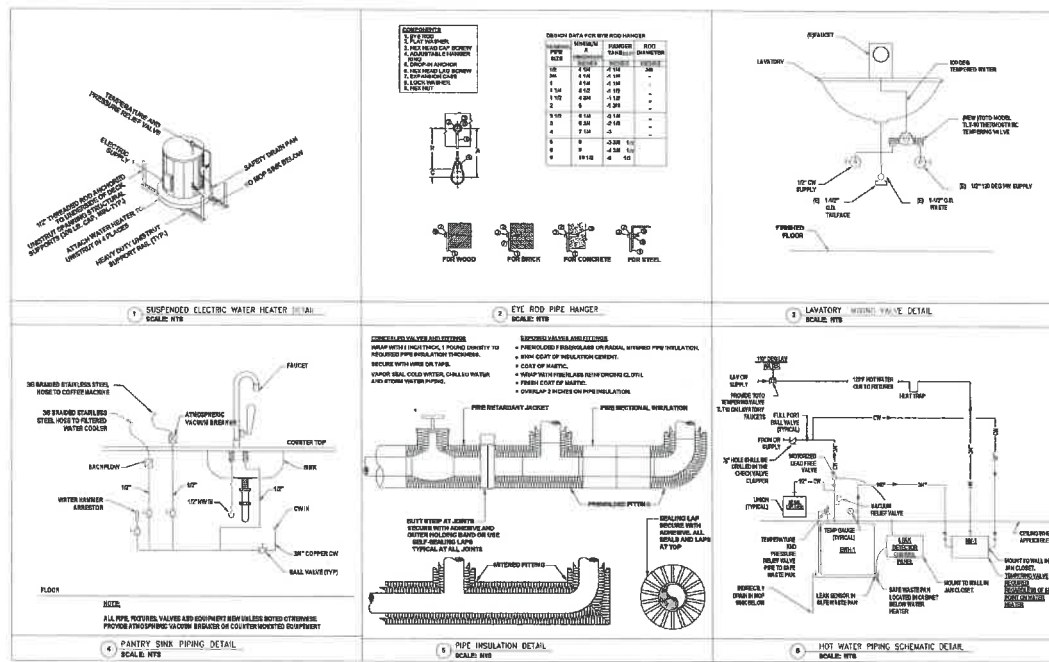
Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
PLUMBING FLOOR PLANS

Scale
As Indicated

P-101



Architect
1000 Massachusetts Avenue, Suite 1200
Boston, MA 02108
Tel: 617 277 8900
Fax: 617 277 8191
www.gensler.com



△ Error Description
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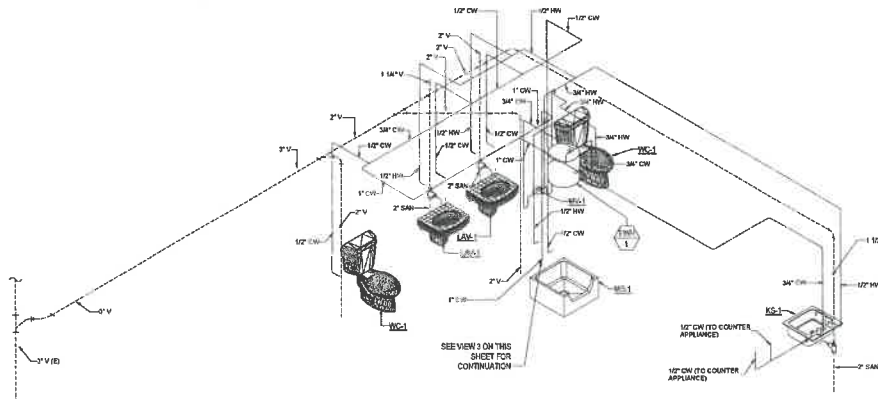


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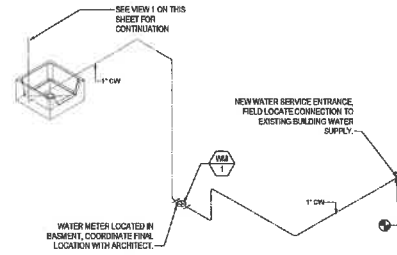
Project Name
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Cambridge
Project Number
11.6850.127
Description
PLUMBING DETAILS

Scale
NOT TO SCALE

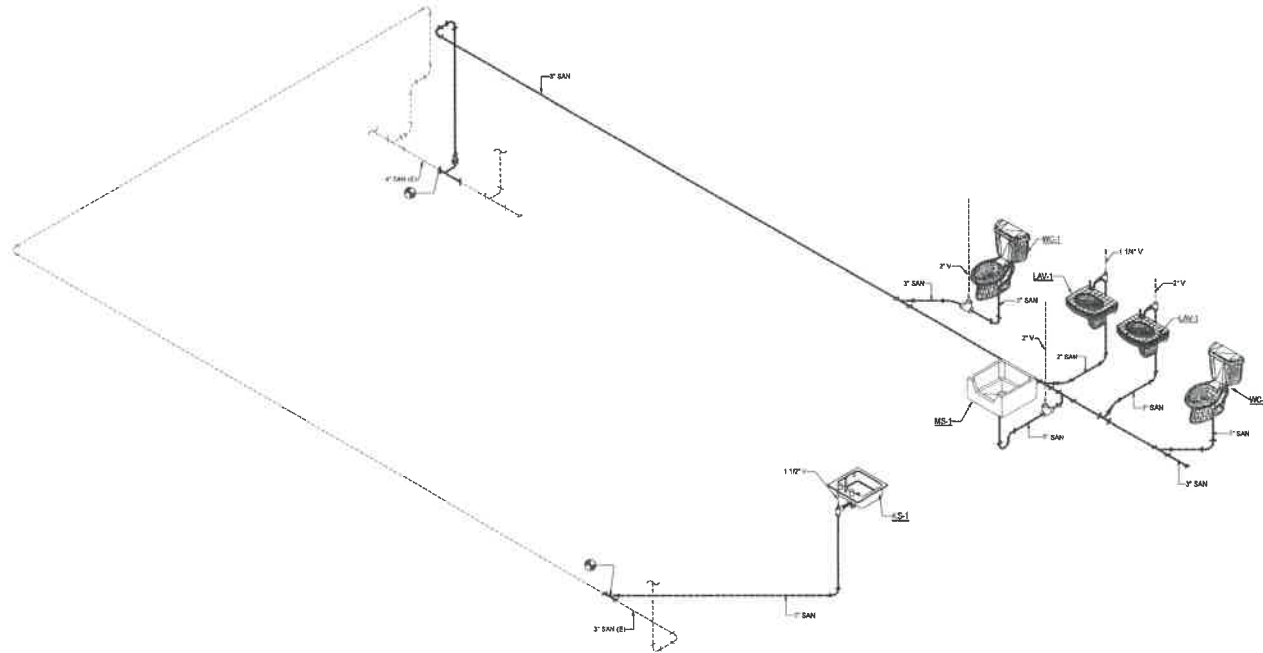
P-501



1 DOMESTIC WATER AND VENTING ISOMETRIC PLAN



2 WATER ENTRANCE ISOMETRIC PLAN



3 SANITARY WASTE ISOMETRIC PLAN

△	Revis	Description
1	1/20/2016	ISSUE FOR PERMIT



Seal / Signature

Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
PLUMBING ISOMETRICS

Scale

ABBREVIATIONS

-A-	COMPRESSED AIR	GV	GALVANIZED
ABD	AUTOMATIC BALL DRIP	GPM	GALLONS PER MINUTE
ACD	AIR COMPRESSOR	GV	GATE VALVE
AD	ACCESS DOOR	H	HEIGHT
AFP	ABOVE FINISHED FLOOR	HCG	HUNG CEILING
AFS	ABOVE FINISHED GRADE	HCS	HEADS
AHJ	AUTHORITY HAVING JURISDICTION	HCR	HORIZONTAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HP	HORSE POWER
AP	ALARM PANEL	HVC	HEATING, VENTILATING & AIR CONDITIONING
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	HZ	HERTZ
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	IBRM	IRON BODY, BRONZE MOUNTED
AUTO	AUTOMATIC	J	JANITORS CLOSET
ALX	AUXILIARY	JC	JOCKEY PUMP
AV	ALARM VALVE	JPC	JOCKEY PUMP CONTROLLER
AWWA	AMERICAN WATER WORKS ASSOCIATION	KB	KEY
B	BY DIRECTIONAL SHUTOFF VALVE	MAX	MAXIMUM
BDVS	BELOW FINISHED GRADE	MCHA	MECHANICAL
BFD	BACKFLOW PREVENTER	MER	MECHANICAL EQUIPMENT ROOM
BLOG	BUILDING	MIN	MINIMUM
BM	BEAM	MTO	MOUNTED
BR	BRANCH	N	NORMALLY CLOSED
BSMT	BASEMENT	NE	NEW SPRINKLER HEAD
C	CONNECTION TO EXISTING	NC	NORMALLY CLOSED
CFRP	COMBINED FIRE SPRINKLER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CLG	CEILING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
COL	COLUMN	NO	NOT IN CONTRACT
CONN	CONNECT, CONNECTION	NO	NORMALLY OPEN
CP	CHARGE PLATED	NS	NO SPRINKLERS IN ROOM
CR	CASING RELIEF VALVE	NTS	NOT TO SCALE
CTV	CONTROL VALVE	O	ON CENTER
CV	CHECK VALVE	PAV	PREFECTION VALVE
CVD	CAPPED AND VALVE OUTLET	PG	PRESSURE GAUGE
D	EXISTING TO BE DEMOLISHED	PH	PHASE
DDCA	DOUBLE CHECK DETECTOR ASSEMBLY	PLBG	PLUMBING
DET	DETAIL	PNEU	PNEUMATIC
DA	DIAMETER	PO	PLUGGED OUTLET
DLV	DELIVER VALVE	PRV	PRESSURE REDUCING VALVE
DN	DOWN	PS	PRESSURE SWITCH
DRAV	DRY PIPE ALARM VALVE	PSQ	POUNDS PER SQUARE INCH
DR	DRAIN	PSP	PREFECTION SPRINKLER PIPING
DSP	DRY SPRINKLER PIPING	R	REMOVE EXISTING
DWG	DRAWING	RE	REVERSE CONTROL VALVE
E	EXISTING TO REMAIN	REC	REDUCED
ER	EXISTING TO BE RELOCATED	REV	REVERSE, REVISION
EL	ELEVATION	RM	ROOM
ELEC	ELECTRICAL	REP	REPLACE EXISTING
EQUIP	EQUIPMENT	REM	REVOLUTIONS PER MINUTE
F	FIRE SERVICE	RV	RELIEF VALVE
FCA	FLOOR CONTROL VALVE ASSEMBLY	S	SLERVE
FD	FLOOR DRAIN	SL	SPRINKLER SPRINKLER PIPING
FDC	FIRE DEPARTMENT CONNECTION	SP HD	SPRINKLER HEAD
FE	FIRE EXTINGUISHER	STD	STANDARD
FEC	FIRE EXTINGUISHER CABINET	STP	STANDPIPE
FECCE	FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER	T	TOTAL DYNAMIC HEAD
FHR	FIRE HOSE RACK	TS	TAMPER SWITCH
FHV	FIRE HOSE VALVE	TYP	TYPICAL
FLR	FLOOR	U	UNITED STATES STANDARD GAUGE
FM	FACTORY MUTUAL GLOBAL	UL	UNDERWRITERS LABORATORIES
FOAM PIPING	FOAM PIPING	USGG	UNITED STATES STANDARD GAUGE
FP	FIRE PROTECTION	V	VOLTS
FPC	FIRE PUMP CONTROLLER	VERT	VERTICAL
FPM	FIRE PUMP	VO	VALVE OUTLET
FSP	FIRE STANDPIPE	W	WITH
FT	FOOT FEET	WO	WITHOUT
FT HD	FOOT HEAD	WFS	WATER FLOW SWITCH
°F	FAHRENHEIT	WMS	WATER MOTOR SOUND
GW	GALLON	WOG	WATER, OIL, OR GAS
		WP	WORKING PRESSURE
		WSP	WORKING STEAM PRESSURE
		ZCV	ZONE CONTROL VALVE

SYMBOLS LEGEND

	TITLE	MISCELLANEOUS
	SCALE: NTS	
	SECTION NUMBER - 1	
	SECTION NUMBER - 2	
	DETAIL BOUNDARY	
	DETAIL NUMBER - 2	
	EQUIPMENT TAG	
	POINT OF CONNECTION	
	POINT OF DISCONNECTION	
	NEW PIPING	
	EXISTING TO REMAIN	
	EXISTING TO BE DEMOLISHED	
	PLUGGED OUTLET	
	UNDERGROUND / BELOW	
	FITTINGS	
	CONCENTRIC REDUCER	
	ECCENTRIC REDUCER	
	ELBOW DOWN TO TEE	
	ELBOW UP	
	END CAP	
	TEE DOWN	
	TEE UP	
	UNION	
	VALVES	
	AUTOMATIC AIR RELIEF VALVE	
	TYPICAL	
	AUTOMATIC AIR VENT	
	ANGLE VALVE	
	BALL VALVE	
	FIRE HOSE VALVE WITH REDUCER CAP AND CHAIN	
	FIRE HOSE VALVE WITH REDUCER ON RACK	
	FLOW ORIFICE	
	STRAINER	
	PENDANT SPRINKLER	

GENERAL NOTES

- CONTRACTOR SHALL VERIFY EXISTING PIPING RUNS AND CONDITIONS WITH THE NEW WORK PRIOR TO START.
- CONTRACTOR SHALL OBTAIN ALL PERMITS AND FILE ALL WORK INCLUDING HYDRAULIC CALCULATION WITH THE AUTHORITY HAVING JURISDICTION AND OWNERS INSURANCE CARRIER.
- COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO START OF WORK.
- SPRINKLER HEAD LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- ALL SPRINKLER HEADS SHALL BE INSTALLED AT CENTER OF CEILING TILES.
- SCHEDULE DRAINDOWN OF EXISTING SPRINKLER SYSTEM WITH OWNER PRIOR TO START OF WORK.
- TESTING OF SPRINKLER AND STANDPIPE SYSTEM IN ACCORDANCE WITH NFPA AND LOCAL CITY BUILDING CODE.

SHEET INDEX

NO.	TITLE
FP-01	FIRE PROTECTION COVER SHEET
FP-02	FIRE PROTECTION SPECIFICATIONS
FP-03	FIRE PROTECTION FLOOR PLAN
FP-04	FIRE PROTECTION DETAILS



CC# 630
Central Square
550 Massachusetts Avenue,
Boston, MA 02119

Gensler

One Beacon Street
Third Floor
Boston, MA 02108
United States



A member company of SHoP Group, Inc.
300 Summer Street, Inc.
Suite 720
Boston, MA 02109
Tel: 617.577.2900
Fax: 617.577.9191
www.gensler.com

Title Description

1. 8/21/2018 11:56 AM FOR REVIEW



Seal Signature

Project Name
Santander - Central Square,
Cambridge
Project Number
11.6850.127
Description
FIRE PROTECTION COVER SHEET

Scale
NONE

FP-001

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FIRE PROTECTION SPECIFICATIONS

ALL REFERENCES IN THIS SPECIFICATION TO:

1. NFPA 13 SHALL BE REFERRED TO AS NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2013 EDITION.
2. NFPA 34 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS 2013 EDITION.
3. THE FIVE SPRINKLER SYSTEM SHALL BE DESCRIBED UNDER THE 8TH EDITION OF THE MASSACHUSETTS BUILDING CODE.
4. ALL WET PIPING SYSTEM AND COMPONENT SHALL BE LIMITED FOR 175-PSI UNLESS INDICATED BY OTHER NOTES OR INDICATED ON PLANS. ALL COMPONENT AND PIPING IN HIGH PRESSURE SYSTEMS SHALL BE LISTED FOR 300-PSI WORKING PRESSURE.
5. LOCATIONS AND ARRANGEMENTS: DRAWING PLANS, SCHEDULES, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING. INSTALL PIPING AS INDICATED AS FAR AS PRACTICAL.
6. FLOW HYDRAULIC FLOW TEST RECORDS:
 - a. PRIOR TO THE PIPE CONTRACTOR SHALL OBTAIN A PREPARED FLOW TEST ACCESSORY TO NFPA 13. THE SPRINKLER SYSTEM SHALL BE DESCRIBED BY SPRINKLER CONTRACTORS AND REVIEWED BY THE ENGINEER INCLUDED IN DRAWINGS. THE HYDRAULIC FLOW TEST SHALL BE WITNESSED BY LOCAL ANY OF THE FOLLOWING WATER DEPARTMENT, FIRE DEPARTMENT OR DEPARTMENT OF PUBLIC WORKS. REPORT TEST IN WRITING TO FIRE ENGINEER AND LOCAL AUTHORITY THAT PERFORMED OR WITNESSED FLOW TEST.
7. SPRINKLER OCCUPANCY HAZARD CLASSIFICATION SHALL BE BASED ON:
 - a. LIGHT HAZARD SHALL INCLUDE AREAS SUCH AS CORRIDOR, LIBRARIES (EXCEPT EXISTING AREAS OFFICE AND PUBLIC AREA), RESIDENTIAL SPRING AREA, EXISTING AS BALL ATTIC SPACES WITH NO ACCESS FOR STORAGE, COMPRESSOR ROOMS, AND THE EXISTING SHALL BE 1500-SQ. FT AREA.
 - b. ORDINARY HAZARD, GROUP 1 SHALL INCLUDE AREAS SUCH AS AUTOMOBILE PARKING GARAGE, READING ROOMS, GENERAL STORAGE AREA, LABORATORIES, MECHANICAL EQUIPMENT ROOMS, AND REPAIRMENT SERVICE AREA AND THE EXISTING SHALL BE 1500-SQ. FT AREA.
 - c. ORDINARY HAZARD GROUP 2 OCCUPANCIES SHALL BE DEFINED AS OCCUPANCIES OR PORTIONS OF OTHER OCCUPANCIES WHERE THE QUANTITY AND COMBUSTIBILITY OF CONTENTS ARE NEARER TO HIGH STOCKPILES OF CONTENTS WITH MODERATE RISK OF HEAT RELEASE DO NOT EXCEED 10 FT, AND STOCKPILES OF CONTENTS WITH HIGH RISK OF HEAT RELEASE DO NOT EXCEED 8 FT. THE DESIGN DENSITY SHALL BE .20 OVER 1500-SQ. FT AREA.
8. THE AREA OF DESIGN FOR LIGHT HAZARD AND ORDINARY HAZARD SHALL BE INCREASED BY 50% OF THE ANGLE OF ROOF OR CEILING EXCEEDS A PITCH OF 15 DEGREES THE LINE OF THE SYSTEM IS IN PIPE OR DOUBLE INTERLOCKED SYSTEM, IF BOTH OCCUR THEN THE INCREASED AREA SHALL BE 100%.
9. THE AREA OF DESIGN FOR LIGHT HAZARD AND ORDINARY HAZARD SHALL BE REDUCED AS INDICATED IN NFPA 13 FIGURE 15.2.1.1.1 IF THE SPRINKLES ARE QUICK RESPONSE TYPE THAT ARE LISTED IN A WET PIPE SYSTEM AND THE CEILING IS LESS THAN 20 FEET TALL WITH NO SIGNIFICANT OBSTACLES AS INDICATED IN SECTION 8.4.2 AND 8.7.4 OF NFPA 13. THIS REDUCTIONS SHALL NOT BE APPLIED TO ANY AREA THAT CONTAINS STORAGE OVER 7 TALL.
10. TOTAL CONTIGUOUS HOSE STREAM DEMAND REQUIREMENT SHALL BE 800 GPM FOR 20 MINUTES IN LIGHT HAZARD OCCUPANCIES AND 800 GPM FOR 90 MINUTES IN ORDINARY HAZARD GROUP 1 OCCUPANCIES.
11. SUBMITTALS SHALL BE PROVIDED FOR:
 - a. PRODUCTS SPECIFIED THEREIN IN THIS SPECIFICATION SHALL BE THE BASIS OF DESIGN. ALTERNATE PRODUCTS MAY BE SUBMITTED FOR CONSIDERATION THAT ARE EQUAL IN QUALITY AND DESIGN. ALL REVISIONS REQUIRED TO ACCOMMODATE THE ALTERNATE PRODUCT SHALL BE AT THE DISCRETION OF THE CONTRACTOR INCLUDING ANY MECHANICAL, ELECTRICAL OR ELECTRICAL REVISIONS REQUIRED.
 - b. CONTRACTOR SHALL CLEARLY INDICATE ON SUBMITTALS ANY SUBSTITUTIONS FOR PRODUCTS. FAILURE TO INDICATED MAY RESULT IN REMOVAL OF PRODUCT AT CONTRACTOR'S EXPENSE.
 - c. PIPE AND FITTINGS DOWN ENGINEER'S SIGNATURE.
 - d. SHOP DRAWINGS ARE REQUIRED FOR FIRE SUPPRESSION SYSTEMS INCLUDING PLUMBING ELEVATIONS, SECTIONS, DETAILS AND ATTACHMENTS TO OTHER WORK.
12. EQUATIONS FROM APPROVED SHOP DRAWINGS REQUIRE PRIOR APPROVAL FROM ENGINEER.
13. ALL ITEMS THAT CONTAIN CONTROL WIRING.
14. CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR APPROVED AND UNDERGOING PIPING.
15. ANY PRODUCT IN THIS SPECIFICATION THAT REQUIRES BOTH UL AND FM LISTING.
16. SPRINKLER CABINET INCLUDING QUANTITY AND TYPE OF SPRINKLER INCLUDED WITH CABINET.
17. INSPECTIONS TEST RECORD.
18. PROVIDE SUBMITTALS FOR EACH TYPE OF SEISMIC PRODUCT USED.
19. SEISMIC SPRINKLER CABINET SHALL BE RED STEEL WITH WINGED COVER THAT IS WALL MOUNTED. AND THE SPACE FOR THE SPRINKLER SHALL BE SPARK-RESISTANT. PLUS SPRINKLER CABINET, INCLUDE NUMBER OF SPRINKLERS REQUIRED BY NFPA 13 AND SPRINKLER WIRING AND SEISMIC CABINET WITH SPRINKLERS AND WIRING FOR EACH TYPE OF SPRINKLER USED ON PROJECT.

P. STEEL PIPE AND FITTINGS

1. SPRINKLER PIPING SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTION AS DETERMINED ACCORDING TO NFPA 13.
2. 1/2" AND SMALLER PIPE SHALL BE SCHEDULE 40 BLACK-STEEL PIPE, THREADED ENDS.
3. 2" AND LARGER PIPE SHALL BE SCHEDULE 40 BLACK-STEEL PIPE WITH GROOVED OR THREADED ENDS.
4. GROOVED FITTINGS SHALL BE METALLIC COMPANY WITH A PRESSURE RATING OF 175 PSI UNLESS INDICATED OTHERWISE. GROOVED ENDS ON DRAINAGE, HIGH PRESSURE SYSTEMS SHALL USE GROOVED FITTINGS RATED FOR 300 PSI.
5. MECHANICAL TEE OUTLETS OR BRANCH OUTLET FITTINGS SHALL NOT BE USED.
6. FLEXIBLE SPRINKLER HOSE BE FITTINGS MAY BE USED AS AN OPTION TO ABOVE FITTING IF USED THE MANUFACTURE SHALL BE FLEHEAD INDUSTRIES, INC.
7. FULL WET PIPE SPRINKLER SYSTEM PIPING WITH WATER.
8. AFTER INSTALLATION, CHANGE SYSTEM AND TEST FOR LEAKS, REPAIR LEAKS AND RETEST UNTIL NO LEAKS EXIST.
9. JET END OF PIPES AND TUBES AND REMOVE BURRS, BEVEL PLAN ENDS OF STEEL PIPE.
10. INSPECTOR TEST FITTINGS SHALL BE REMOVE AND MANUFACTURED BY AOP INDUSTRIES, INC. THE TEST SHALL BE THE SAME SIZE AS THE PIPE IT CONNECT TO AND SHALL SHOW THE EQUIVALENT OF THE LEAK FLOWING.
11. AUTOMATIC SPRINKLERS
 - a. AUTOMATIC SPRINKLERS WITH HEAT AND EXPOSURE ELEMENT SHALL BE MANUFACTURED BY TICO AND RATED FOR ITS PIPING (REFER TO DRAWINGS FOR MODEL, FACTOR AND TEMPERATURE), (UNLESS NOTED OTHERWISE ON DRAWINGS) SHALL BE LISTED AND APPROVED FOR USE.
 - b. SPRINKLER HEADS SHALL BE INSTALLED IN CLOSETS AND MECHANICAL ROOMS.
 - c. ANIMAL OVERHUNG IN UNFINISHED CEILING IN CENTER OF HANGING DIMENSION OF ACCESSIBLE CEILING PANEL.
 - d. DO NOT INSTALL PENDENT OR STEEPWALL, WET-TYPE SPRINKLERS AREAS SUBJECT TO FLOODING.

M. SEISMIC REQUIREMENTS

1. HANGER-ROD SPRINKLER SHALL BE STEEL TUBE OR HEAVY-GAUGE STEEL ANGLE CLAMPED TO HANGER ROD.
2. HANGER AND DOWN BRACE ATTACHMENTS SHALL BE MULTIFUNCTIONAL STEEL CONNECTORS FOR ATTACHING HANGERS TO BRUN CHANNEL, BRACES, ANCHOR BOLTS SHALL BE DELLED-IN FEMALE WEDGE TYPE IN SEISMIC-COATED STEEL.
3. INSTALL HANGER-ROD STIFFENERS WHERE REQUIRED TO PREVENT BUCKLING OF HANGER RODS DUE TO SEISMIC FORCES.
4. PIPING REINFORCES SHALL BE BRACED TO LATERAL SUPPORTS A MAXIMUM OF 40 FEET O.C. AND LONGITUDINAL SUPPORTS A MAXIMUM OF 16 FEET O.C. REINFORCEMENT SHALL BE REQUIRED AT A CHARGE OF BRACING LOWER THAN 16 FEET.
5. ANCHOR BRACING TO STRUCTURE AT FLANGES OF BEAMS AT UPPER TRUSS CHORDS OF STEEL JOISTS OR AT CONCRETE BEAMS.
6. INSTALL FLEXIBLE CONNECTIONS IN PIPING WHERE THEY CROSS SEISMIC JOISTS.

P. PIPE HANGERS AND ASSEMBLIES

1. PIPE HANGERS, BEAM CLAMPS, AND ACCESSORIES SHALL BE MANUFACTURED BY EATON BAKER DIVISION OF COOPER INDUSTRIES. THE HANGERS SHALL BE UL LISTED AND FM LISTED.
2. HANGERS SUPPORTING PIPES 1/2" AND SMALLER SHALL BE ADJUSTABLE STEEL SWIVEL HINGE TYPE HANGERS, COOPER BLAKE MODEL 857L.
3. HANGERS SUPPORTING PIPES 3/4" UP TO 2 INCH SHALL BE ADJUSTABLE STEEL CLEVIS HANGERS, BLAKE 857L.
4. HANGERS SUPPORTING PIPES 2 INCH UP TO 3 INCH SHALL BE ADJUSTABLE STEEL CLEVIS HANGERS, BLAKE 857L.
5. TRAPEZOIDAL HANGERS SHALL BE CONSTRUCTED FROM S-LINE 802 STRUT MOUNT PIPES TO TRAPEZOIDAL HANGERS SERIES PIPE STRAPS.
6. VERTICAL SUPPORTS SHALL USE S-LINE 857L STEEL WISER CLAMPS.
7. BEAM CLAMPS SHALL COOPER BLAKE 858 OR 859 WHICHE PIPING IS TO BE SUPPORTED FROM BEARING STEEL. CLAMP SHALL INCLUDE REINFORCING STRAP IS NO ONE CLAMP SHALL NOT EXCEED 800 POUNDS POINT LOAD INCLUDING WEIGHT OF WATER.
8. CONCRETE BEAM CLAMP SHALL BE COOPER S-LINE 858L-2 OR ANNUAL WEDGE ANCHOR BEAM AND SHALL ATTACH TO ROD WITH COOPER S-LINE ROD COUPLER BEZEL OR BEZEL TUBES.
9. ATTACHMENT TO WOOD STRUCTURE SHALL BE WITH COOPER BLAKE PANTY STEEL CEILING CEILING PLATE OR PART FOR THROUGH SIDE BEAM BRACKET.
10. HANGER RODS SHALL BE CONTINUOUS THREADED RODS. USE ADJUSTING LOCKWRENCH AT UPPER ATTACHMENTS AND HANGERS.
11. PIPE HANGERS SHALL BE ZINC PLATED.
12. STREET CHANNELS SHALL BE PRE-GALVANIZED.
13. 1/4 INCH AND SMALLER FIRE PROTECTION PIPING SHALL BE SUPPORTED WITH 1/4 INCH ALL THREADED ROD NOT EXCEEDING 12 FEET ON CENTER.
14. ANCHOR PIPING HANGERS SHALL BE LOCATED WITHIN 24 INCH OF SPRINKLER IF PIPING IS LESS THAN 1/2 INCH. IF PIPING IS LESS THAN 1/2 INCH, PIPING SHALL EXCEED HANGER WITHIN 12 INCH OF SPRINKLER AND SHALL HAVE A SLOTTED TEST PLUG.
15. 1/2 INCH FIRE PROTECTION PIPING SHALL BE SUPPORTED WITH 3/8 INCH ALL THREADED ROD NOT EXCEEDING 12 FEET ON CENTER.
16. 3/4 INCH FIRE PROTECTION PIPING SHALL BE SUPPORTED WITH 1/2 INCH ALL THREADED ROD NOT EXCEEDING 12 FEET ON CENTER.
17. 1 INCH FIRE PROTECTION PIPING SHALL BE SUPPORTED WITH 5/8 INCH ALL THREADED ROD NOT EXCEEDING 12 FEET ON CENTER.
18. 1-1/2 INCH FIRE PROTECTION PIPING SHALL NOT BE USED.
19. 2 INCH FIRE PROTECTION PIPING SHALL BE SUPPORTED WITH 3/4 INCH ALL THREADED ROD NOT EXCEEDING 14 FEET ON CENTER.
20. PLACE A HANGER WITHIN 12 INCHES OF EACH HORIZONTAL ELBOW.
21. DO NOT SUPPORT PIPING FROM OTHER PIPES, DUCTWORK OR OTHER EQUIPMENT THAT IS NOT BUILDING STRUCTURE.



CCF 650
Central Square
699 Massachusetts Avenue,
Boston, MA 02139



One Devon Street
Third Floor
Boston, MA 02109
United States
Tel: 617.516.5700
Fax: 617.516.5701



SYNCHRONIZATION
A member company of D4 Group, Inc.
10 First Street, Suite 720
Boston, MA 02109
Tel: 617.577.5800
Fax: 617.577.9111
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Δ	Date	Description
1	02/12/2018	PERUSE FOR EQUIPMENT

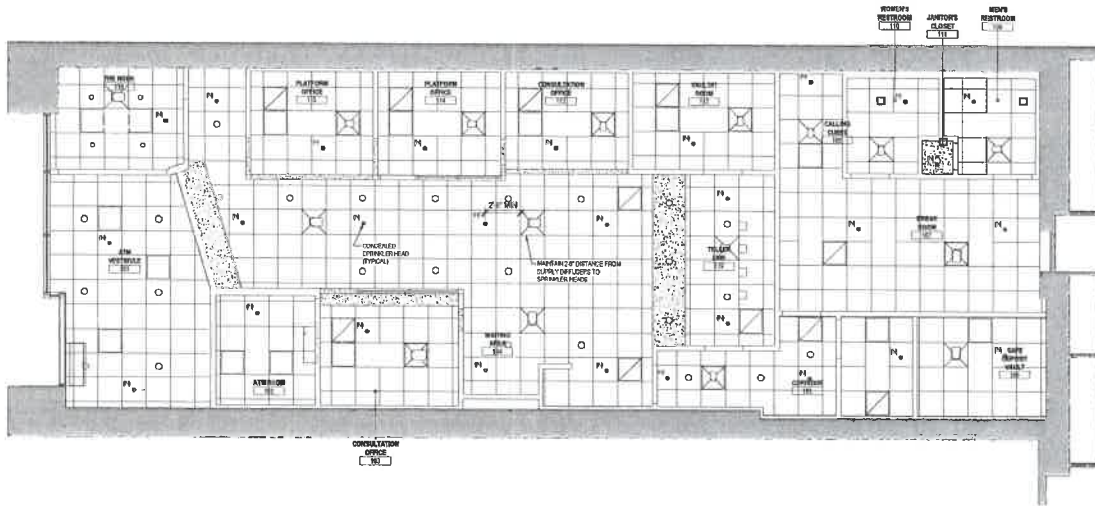


Paul J. Gagnier

Project Name
Santander - Central Square,
Cambridge
Project Number
11.8850.127
Description
FIRE PROTECTION SPECIFICATIONS

Scale
1" = 1'-0"

FP-002



SPRINKLER PLAN NOTES:
 EXISTING UPRIGHT SPRINKLERS SHALL REMAIN ABOVE
 CEILING (NOT SHOWN FOR CLARITY) SEE DETAIL ON SHEET
 19-501.

LEVEL 1 FIRE PROTECTION PLAN
 1/4" = 1'-0"



CO# 630
 Central Square
 199 Massachusetts Avenue,
 Boston, MA 02139



One Boston Street
 7th Floor
 Boston, MA 02109
 United States
 Tel: 617.451.7000
 Fax: 617.451.7001



SYNO
 A member company of SH Group, Inc.
 Syno Fireworks Group, Inc.
 10 First Office Center
 Suite 210
 Boston, MA 02109
 Tel: 617.277.9900
 Fax: 617.277.8191
 www.syno.com

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2. REVISION: _____



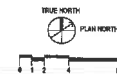
Paul F. Johnson

Project Name
 Santander - Central Square,
 Cambridge
 Project Number
 11.6850.127
 Description
 FIRE PROTECTION FLOOR PLAN

Scale
 1/4" = 1'-0"

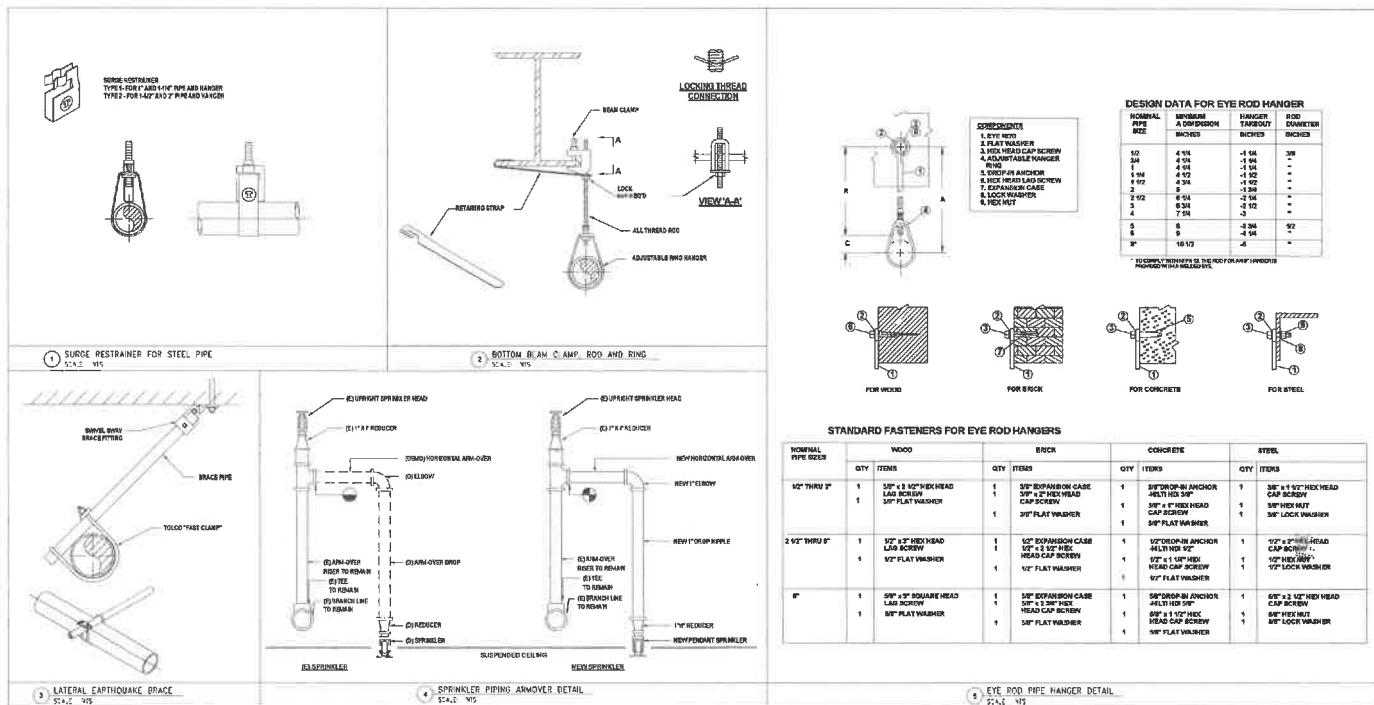
FP-101

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Δ Data Description

└─┘ REFERENCE TO RELATED DRAWINGS



Seal Signature

Project Name

Santander - Central Square, Cambridge

Project Number

11.6850.127

Description

FIRE PROTECTION DETAILS

Scale

NOT TO SCALE

FP-501

GENERAL:

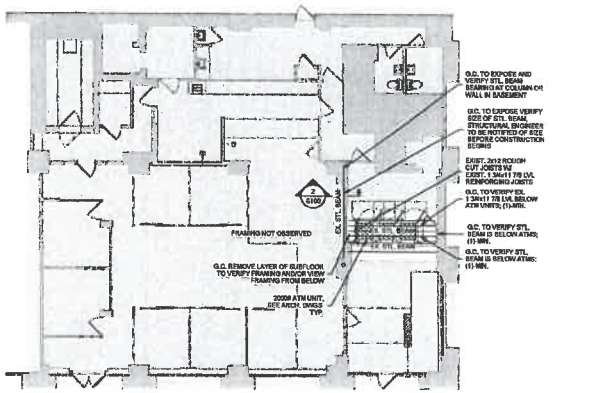
- 1. Structural drawings shall be in accordance with the architectural, mechanical, electrical and plumbing...
2. Unless otherwise noted, sections, details, notes, materials and methods shown on any drawings...
3. In the event of a conflict between plans, specifications, and details, the Structural Engineer shall be notified immediately by the architect.

WOOD:

- 1. Wood shall be in accordance with the American Wood Council, AD/ADP/PA, "National Design Specification for Wood Construction, 2005 (NDS) including "Design Values for Wood Construction", National Forest Products Association.
2. Hardwood or redwood veneer shall have a veneer content as specified on the "National Design Specification for Wood Construction".

ABBREVIATIONS:

- 2x = 2" NOMINAL THICK LUMBER
BALKINGOR = BALKING OR
AFF = ABOVE FLOOR
AFT = ABOVE FINISH FLOOR
AFB = ABOVE FINISH BALCONY
AFIB = ABOVE FINISH BALCONY



FLOOR FRAMING PLAN NOTES:

- 1. DO NOT SCALE THIS DRAWING.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
3. ALL FRAMING ASSUMING AND NEEDS TO BE VERIFIED BY THE CONTRACTOR. IF THE FRAMING DIFFERS FROM THAT SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY.

1. FIRST FLOOR FRAMING PLAN

CODE:

- 1. 2015 International Building Code, as amended, altered, or deleted by the provisions of the 9th Edition IBC-CM, Massachusetts State Code amendments.

DESIGN LIVE LOADS:

Table with columns: Item, Value, Unit. Rows include UNIFORM FLOOR LIVE LOADS (100 psf), ROOF LIVE LOADS (20 psf), and WIND DESIGN DATA.

STRUCTURAL TESTS AND INSPECTIONS:

- 1. Structural Tests, Inspections, and Reports for concrete, masonry, steel, and wood construction shall be in accordance with the International Building Code and ACI 308R.
2. Tests and Inspections shall be conducted in accordance with ACI 308R, Section 17.04, Structural Inspections. Refer to Section 17.04 of the International Building Code for more information.

STRUCTURAL STEEL:

- 1. Fabricate and erect structural steel in accordance with the 2005 "Specification for Structural Steel Buildings" and the "Code of Official Practice" of AISC. Welding shall conform to the requirements of the "Structural Welding Code" after American Welding Society.
2. Structural steel shapes and plates shall conform to ASTM A36. Structural steel structural steel shall conform to ASTM A36. Structural steel columns shall conform to ASTM A588. Grade B. Structural steel plates, and angles shall conform to ASTM A36, unless otherwise noted.

2. STEEL BEAM REINFORCING

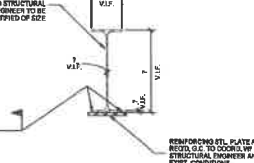


Table with columns: No., Date, Description. Contains project schedule or log entries.

BANK OF AMERICA-CENTRAL SQ.
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GENSLER ARCHITECTS INC.
CAMBRIDGE, MA

PROJECT NO. 131345.50
GENERAL STRUCTURAL NOTES, PLANS, AND DETAILS
S100

