URBAN OUTFITTERS

SHOPS AT 188 MIDDLE STREET 188 MIDDLE STREET PORTLAND, MAINE 04101

CODES

2009	MAINE UNIFORM BUILDING AND ENERGY CODE
2009	INTERNATIONAL BUILDING CODE
2009	INTERNATIONAL EXISTING BUILDING CODE
2009	INTERNATIONAL RESIDENTIAL CODE
2009	INTERNATIONAL ENERGY CONSERVATION CODE
2007	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS
2009	NATIONAL ELECTRICAL CODE
2009	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS UNIFORM PLUMBING CODE

BUILDING DEPARTMENT

PLANNING AND URBAN DEVELOPMENT DEPARTMENT
JEANIE BOURKE
389 CONGRESS STREET, ROOM 308
PORTLAND, ME 04101
(207) 874-8703 PHONE
(207) 874-8693 FAX

CODE INFORMATION

FULLY SPRINKLERED YES
CONSTRUCTION TYPE IIIB (NON COMBUSTIBLE)
OCCUPANCY CLASS MERCANTILE

GROSS SQUARE FOOTAGE	=	8,838 SF
NET SQUARE FOOTAGE	=	9,823 SF
OCCUPANT LOAD CALCULATIONS		
FRONT OF HOUSE AREA = 7,358 SF (30 S F / OCCUPANT)	=	246
BACK OF HOUSE AREA = 1,480 SF (300 S F / OCCUPANT)	=	6
NO OF EMPLOYEES	=	10 PERSONS
TOTAL OCCUPANT LOAD	=	262

RESTROOM FACILITY
(2009 MAINE UNIFORM BUILDING CODE, TABLE 4-1)

RETAIL

MALE
2 WC PER 101-200 OCCUPANTS
2 URINALS PER 101-200 OCCUPANTS
1 LAVATORY PER 2 WC

FEMALE
4 WC PER 101-200 OCCUPANTS
2 LAVATORIES PER 4 WC

2 DRINKING FOUNTAIN
(1 HIGH&1LOW PROVIDED)

1 SERVICE SINK
(1 PROVIDED)

ARCHITECT OF RECORD

PHILLIPS PARTNERSHIP
400 PERIMETER CENTER TERRACE
SUITE 650
ATLANTA, GA 30346
PH (770) 394-1616 FX (770) 394-1314
CONTACT JOHN SANFORD jsanford@phillipspart com
TIM GOERING tgoering@phillipspart com
MICHAEL ETHRIDGE methridge@phillipspart com

ENGINERING CONSULTANTS

MECHANICAL, ELECTRICAL, & PLUMBING
DEVITA & ASSOCIATES
1150 WASHINGTON STREET
GREENVILLE, SC 29602
PH 864-232-6642 FX 864-242-4878
CONTACT TREY MORAN tmoran@devitainc com

STRUCTURAL
PHILLIPS PARTNERSHIP STRUCTURAL STUDIO
400 PERIMETER CENTER TERRACES, SUITE 650
ATLANTA, GA 30346
PH 770-394-1616 FX 770-394-1314
CONTACT MATT MCNEIL mmcneil@phillipspart com

DEVELOPER / LANDLORD

RICHARD MCGOLDRICK
COMMERCIAL PROPERTIES, INC
100 SILVER STREET, PORTLAND, ME 04101
FAX (215) 454-5170

CONTACT RICHARD MCGOLDRICK - CHAIRMAN
e-mail rmcgoldnck@comprop-1 com
PH (207) 774-1885
FX (207) 778-8397

OWNER

URBAN OUTFITTERS, INC
5000 S BROAD STREET, PHILADELPHIA, PA 19112-1495
FAX (215) 454-5170

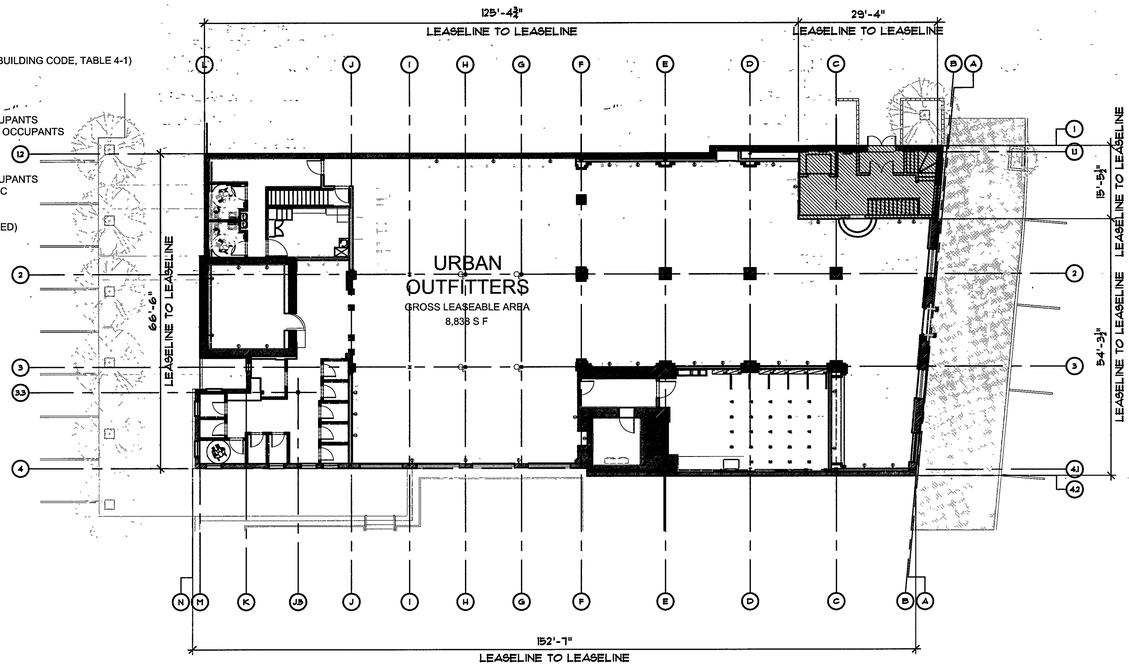
OWNER CONTACT
KEN NEMETH - SENIOR DEVELOPMENT MGR (215) 454-5169
BRIAN LINDSAY - CONSTRUCTION MGR (215) 454-4814

MERCHANDISING SQ. FT.

SELLING SQ FT	=	6,810
TOTAL NET SQ FT	=	8,838

SELLING SQ FT INCLUDES ALL USABLE OPEN FLOOR AREA USED FOR DISPLAY, MERCHANDISING & SALES THIS CALCULATION EXCLUDES FITTING ROOMS OFFICE AND ALL B O H AREAS AND ALL AREAS COVERED BY WALL & COLUMNS

TOTAL NET SQ FT INCLUDES ALL USABLE OPEN FLOOR AREA WITHIN THE LEASED SPACE THIS CALCULATION EXCLUDES ALL AREAS COVERED BY WALLS & COLUMNS



LOD PLAN
SCALE 1/16"=1'-0"

INDEX OF DRAWINGS

KEY PLAN

URBAN OUTFITTERS

RENDERING

SHOPS AT 188 MIDDLE
188 MIDDLE STREET, PORTLAND, ME 04101

REVISION:

ISSUE / DATE:

100% CHECKSET	
	07-08-11
PERMIT/ BID SET	
	07-22-11
ISSUED FOR CONSTRUCTION	
	07-22-11

PHILLIPS PARTNERSHIP

LICENSED ARCHITECT
JEFFREY J. PHILLIPS JR.
No. 2008
STATE OF MAINE
07.21.11

URBAN OUTFITTERS-SHOPS AT 188 MIDDLE - 188 MIDDLE STREET PORTLAND, ME 04101

1 FOR CLARIFICATION PURPOSES, TENANT, CLIENT AND OWNER ARE THE SAME PARTY, LANDLORD IS THE PARTY LEASING THE SPACE TO THE TENANT, AND THE GENERAL CONTRACTOR, WHETHER WORKING FOR THE LANDLORD OR THE TENANT, WILL BE REQUIRED TO HANDLE ALL WORK IN THESE DOCUMENTS UNLESS SPECIFICALLY NOTED OTHERWISE

2 ALL WORK TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION

3 THE GENERAL CONTRACTOR IS REQUIRED TO ADHERE TO ALL NEW REQUIREMENTS, WHETHER STATED OR NOT ON THESE CONTRACT DOCUMENTS, FOR THE LATEST A D A LAW EFFECTIVE JANUARY 26, 1992 THIS LAW IS A CIVIL RIGHTS LAW AND THE EXCLUSION OF REQUIREMENTS BY THE LOCAL CODE OFFICIALS DOES NOT RELIEVE THE TENANT OR THE GENERAL CONTRACTOR OF ADHERING TO THE NECESSARY WORK, EITHER DURING CONSTRUCTION OR AFTER OCCUPANCY

4 THE GENERAL CONTRACTOR SHALL COMPLY AND CONFORM TO ALL OF THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), NO EXCEPTIONS WILL BE PERMITTED THE PROVISIONS OF THE TENANT'S LEASE SHALL APPLY IN THE EVENT OF VIOLATION RESULTING IN DAMAGES, CAUSES OF ACTION OR ANY CLAIMS ARISING THEREFROM, IF GENERAL CONTRACTOR AND / OR its SUBCONTRACTORS DO NOT COMPLY WITH THIS ACT

5 THE ARCHITECT SHALL NOT HAVE CONTROL OVER, CHARGE OF, OR RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING ANY AND ALL OSHA REQUIREMENTS, IN CONNECTION WITH THE WORK

6 ALL CONTRACTORS SHALL BE BONDED AND LICENSED CONTRACTORS POSSESSING GOOD LABOR RELATIONS AND MUST BE CAPABLE OF QUALITY WORKMANSHIP, COORDINATING WITH OTHER CONTRACTORS WORKING ON THE PROJECT UO INC'S PROJECT MANAGER IS TO BE NOTIFIED IN WRITING OF THE NAMES, ADDRESSES, DAYTIME PHONE, FAX, AND EMERGENCY PHONE NUMBERS OF ALL SUBCONTRACTORS AND SUPPLIERS WORKING ON THIS PROJECT GENERAL CONTRACTOR MUST ATTEST THAT NO PRODUCTS CONTAINING ASBESTOS OR HAZARDOUS MATERIAL WERE KNOWINGLY USED ON THIS PROJECT

7 ALL RULES AND REGULATIONS, SCOPE OF WORK AND PROCEDURES INDICATED WILL BE PERFORMED BY THE GENERAL CONTRACTOR, THEIR AGENTS, SUBCONTRACTORS, AND SUPPLIERS TO PROVIDE A TOTAL AND COMPLETE PROJECT FOR THE TENANT WORK SHOWN IN THESE NOTES IS TO BE PERFORMED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS, AGENTS AND / OR SUPPLIERS ONLY, WHETHER OR NOT THE WORK IS DELINEATED PROPERLY

8 THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS FOR THE GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS REQUIRED FOR THE WORK NOTED ON THESE PLANS AND SPECIFICATIONS THIS INCLUDES PERMITS REQUIRED FOR FIXTURING SUPPLIED BY TENANT (IF APPLICABLE) AS WELL AS COSTS FOR ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION THE GENERAL CONTRACTOR SHALL PAY FOR THE BUILDING PERMIT AS INSTRUCTED BY THE UO INC'S PROJECT MANAGER

9 WHEN BIDDING THIS PROJECT, EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND VERIFYING EXISTING CONDITIONS AS REFLECTED IN THESE CONTRACT DOCUMENTS ANY EXTRA WORK REQUIRED, BUT NOT INCLUDED IN THE DOCUMENTS SHALL BE REPORTED TO UO INC'S PROJECT MANAGER AND ARCHITECT IMMEDIATELY

10 THE GENERAL CONTRACTOR IS REQUIRED TO HAVE ALL SUBCONTRACTORS REVIEW THESE NOTES PRIOR TO BIDDING AND TO FAMILIARIZE ALL PERSONS AND SUBCONTRACTORS WORKING ON THIS PROJECT WITH THESE GENERAL NOTES AND THE CONTRACT DOCUMENTS NOTED, THE EXECUTED LEASE AGREEMENT BETWEEN LANDLORD AND TENANT ANY DISCREPANCY BETWEEN THESE CONTRACT DOCUMENTS AND THE LEASE INFORMATION IS TO BE REPORTED TO UO INC'S PROJECT MANAGER PRIOR TO THE START OF ANY WORK THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY ACQUAINTING THEMSELVES WITH THE CONTENT AND SCOPE OF THESE SPECIFICATIONS, AND SPECIAL ATTENTION SHOULD BE GIVEN THE SPECIFICATIONS THROUGHOUT THE SPAN OF THIS PROJECT BY THIS GENERAL CONTRACTOR, SUPERVISORS AND SUBCONTRACTORS, AS THE STANDARD ESTABLISHED HEREIN SHALL BE APPLIED, WITH EMPHASIS TO ALL WORK CHECK "RESPONSIBILITY SCHEDULE" FOR ALLOCATION OF SPECIFIC WORK ALL WORK IS BY TENANT'S GENERAL CONTRACTOR UNLESS OTHERWISE NOTED WORK DECLARED UNACCEPTABLE BY THE TENANT AND LANDLORD SHALL BE CORRECTED IN A MANNER AND TO A DEGREE OF QUALITY AS ACCEPTABLE BY THE TENANT AND LANDLORD

11 THE CONSTRUCTION DRAWINGS LISTED IN THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON THE BEST INFORMATION AVAILABLE TO THE TENANT DURING PREPARATION OF THE CONTRACT DOCUMENTS IN THE EVENT THAT PROBLEMS ARISE DURING THE COURSE OF THE PROJECT, DUE TO UNKNOWN SITE CONDITIONS OR CODE AND LANDLORD REQUIREMENTS (IF ANY) THAT CONFLICT WITH THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL INFORM UO INC'S PROJECT MANAGER AND THE TENANT'S ARCHITECT IMMEDIATELY ANY CHANGES THAT WILL BE REQUIRED WILL BE DELINEATED BY TENANT ARCHITECT

12 PRIOR TO COMMENCEMENT OF ANY WORK, THE GENERAL CONTRACTOR SHALL CONTACT AND MEET WITH LANDLORD'S TENANT COORDINATOR AND UO INC'S PROJECT MANAGEMENT REPRESENTATIVE FOR A PRECONSTRUCTION MEETING, AT WHICH TIME, HE /SHE WILL PRESENT TO ALL PARTIES A LIST OF NAMES, ADDRESSES, BUSINESS PHONE, FAX AND EMERGENCY TELEPHONE NUMBERS OF THE SUBCONTRACTORS FOR THIS PROJECT THE GENERAL CONTRACTOR WILL COMPLETE THE CHECKLIST FORM (CONTRACTOR INFORMATION FORM) REQUIRED FOR EACH TENANT'S SPACE THAT CONTRACTOR WILL BE WORKING ON AS REQUIRED UNDER LEASE OBLIGATION THE CHECKLIST FORM INCLUDING SCHEDULE INFORMATION AS WELL AS GENERAL CONTRACTOR AND SUBCONTRACTORS INFORMATION IS TO BE SUBMITTED TO THE LANDLORD'S REPRESENTATIVE UPON ARRIVAL AT THE JOB SITE

13 THE GENERAL CONTRACTOR IS TO COORDINATE WITH THE LANDLORD FOR SITE MOBILIZATION INCLUDING, BUT NOT LIMITED TO USE OF PREMISES, MATERIAL STORAGE, SITE ACCESS, HOUSEKEEPING PROCEDURES, SECURITY, ETC

14 ANY SCAFFOLDING, SAFETY RAILINGS, BARRICADES AND / OR PROTECTION DEVICES REQUIRED FOR THE PROJECT WILL BE FURNISHED AND PAID FOR BY THE GENERAL CONTRACTOR AS PART OF THE BASE BID PROTECTION OF WORK IN PLACE - WORK IN PLACE THAT IS SUBJECT TO INJURY BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP, OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION ALL FORMS OF PROTECTION SHALL BE CONSTRUCTED IN A MANNER SUCH THAT, UPON COMPLETION, THE ENTIRE WORK WILL BE DELIVERED TO THE OWNER IN PROPER, WHOLE, AND UNBLEMISHED CONDITION ALL SUCH WORK SHALL BE COORDINATED WITH THE TENANT'S REPRESENTATIVE THE TENANT'S ARCHITECT IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR EXISTING CONDITIONS AT THE JOB SITE AND SINCE ALL WORK IS BY GENERAL CONTRACTOR FOR THE TENANT "FIT-OUT", THEIR REPRESENTATIVES WILL BE REQUIRED TO DO ALL SUPERVISION, OBSERVATIONS AND JOB SITE SAFETY

15 THE GENERAL CONTRACTOR SHALL HAVE AT ALL TIMES, AT THE PREMISES, BUILDING DEPARTMENT APPROVED PERMIT DRAWINGS, HEALTH DEPARTMENT APPROVED PERMIT DRAWINGS (IF APPLICABLE) AND LANDLORD APPROVED CONTRACT DOCUMENTS (WHEN APPLICABLE)

16 THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT BUILDING SITE AND PREMISES AND NOTIFY THE LANDLORD, THE LANDLORD'S REPRESENTATIVE, UO INC'S PROJECT MANAGER AND PROJECT ARCHITECT OF ANY AND ALL DISCREPANCIES AND LIST ANY WORK NOT YET COMPLETED BEFORE STARTING WORK IF THE GENERAL CONTRACTOR IS REQUIRED TO INSTALL A STOREFRONT BARRICADE DURING THE CONSTRUCTION PHASE OF THIS PROJECT, SUCH BARRICADE TO MEET THE LATEST BARRICADE DESIGN REQUIREMENTS, INCLUDING THE PAINTING OF SUCH BARRICADE AND ANY SIGNAGE ADDITIONALLY, THIS BARRICADE MUST BE MOVED OUT AS REQUIRED FOR STOREFRONT WORK AND / OR REMOVED AT THE END OF THE CONSTRUCTION TIME PERIOD CHECK WITH THE LANDLORD TO VERIFY IF A BARRICADE HAS PREVIOUSLY BEEN INSTALLED ON THESE PREMISES IN ANTICIPATION OF CONSTRUCTION BY THE NEW TENANTS, IF THIS IS THE CASE, DO NOT INCLUDE ANY COST FOR THE ACTUAL BARRICADE BUT DO INCLUDE COSTS FOR MOVING SUCH BARRICADES IN AND OUT, ANY OTHER SPECIFIC LANDLORD REQUIREMENTS REGARDING SUCH BARRICADES, AND THE PAINTING AND / OR REMOVAL OF SUCH BARRICADES AFTER CONSTRUCTION

17 ALL CONTRACTORS SHALL CHECK AND VERIFY ALL FIELD CONDITIONS AND SHALL HAVE SOLE RESPONSIBILITY FOR VERIFICATION OF CLEAR HEIGHTS WITHIN THE PREMISES, ANY DISCREPANCIES SHALL BE REPORTED TO UO INC'S PROJECT MANAGER AND ARCHITECT IMMEDIATELY THE GENERAL CONTRACTOR IS TOTALLY RESPONSIBLE FOR ALL "HOLD" DIMENSIONS AND IS TO CONTACT UO INC'S PROJECT MANAGER AND ARCHITECT OF ANY DISCREPANCIES VERBALLY AND ALSO IN WRITING PRIOR TO CONSTRUCTION

18 CONTRACTOR IS TO VERIFY THAT THIS SPACE IS ASBESTOS FREE NO ASBESTOS WORK IS TO BE COMPLETED BY THIS CONTRACTOR UNLESS SPECIFICALLY NOTED IN THESE CONTRACT DOCUMENTS IF ASBESTOS IS UNCOVERED, NOTIFY THE TENANT'S REPRESENTATIVE IMMEDIATELY AND STOP ALL WORK LANDLORD IS RESPONSIBLE FOR ALL ASBESTOS TESTING, FILING AND REMOVAL

19 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL, OR AS REQUIRED BY LANDLORD, OF TRASH, RUBBISH AND SURPLUS MATERIALS RESULTING FROM CONSTRUCTION THE CONTRACTORS AND SUBCONTRACTORS PARTICIPATING IN THE PERFORMANCE OF TENANT'S WORK SHALL REMOVE AND DISPOSE OF, AT LEAST ONCE A WEEK AND MORE FREQUENTLY AS TENANT MAY DIRECT, ALL DEBRIS AND RUBBISH CAUSED BY OR RESULTING FROM THE PERFORMANCE OF TENANT'S WORK AND, UPON COMPLETION THEREOF, REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIALS, DEBRIS AND RUBBISH OF WHATEVER KIND REMAINING IN THE BUILDING WHICH HAD BEEN BROUGHT IN OR CREATED BY THE CONTRACTOR AND SUBCONTRACTORS IN THE PERFORMANCE OF TENANT'S WORK THIS CONTRACTOR MUST MAINTAIN A CLEAR PATH OF EGRESS FROM THE PREMISES FREE FROM TRASH AND RUBBISH AT ALL TIMES ALL REMOVAL OF CONSTRUCTION DEBRIS TO AN APPROVED DUMPING SITE TO BE INCLUDED IN THE GENERAL CONTRACTOR'S WORK

20 THE PROPER RECEIPT OF ALL NEW MATERIALS, EQUIPMENT, MILLWORK, FIXTURES, ETC AT THE JOB SITE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND / OR its SUBCONTRACTORS SECURE AND SAFE STORAGE OF ALL NEW AND EXISTING MATERIALS AND EQUIPMENT TO REMAIN (IF ANY) WILL BE PROVIDED BY THE GENERAL CONTRACTOR GENERAL CONTRACTOR TO IMMEDIATELY ADVISE UO INC'S PROJECT MANAGER OF ALL DAMAGED OR DEFICIENT SHIPMENTS OF MATERIALS AND EQUIPMENT, WHETHER SUPPLIED BY TENANT OR DIRECTLY BY CONTRACTOR OR ITS SUPPLIERS GENERAL CONTRACTOR TO COMPLETE AND SUBMIT ALL NECESSARY PAPERWORK AND ARRANGE INSPECTIONS OF DAMAGED GOODS AS PER TENANT CONSTRUCTION DEPT REQUIREMENTS NOTIFY UO INC'S PROJECT MANAGER OF ANY POSSIBLE DELAYS INCOMPLETE ORDERS AND DELAYS ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE SUPPLIER AND UO INC'S PROJECT MANAGER SUBMIT CONFIRMATION OF ALL ORDERS, DELIVERY DATES, AND A FULL WRITTEN SCHEDULE TO UO INC'S PROJECT MANAGER

21 THE GENERAL CONTRACTOR SHALL UNLOAD, PROTECT, ASSEMBLE AND INSTALL TENANT'S SPECIFIED EQUIPMENT, MILLWORK, FIXTURES, FURNISHINGS, ETC

22 ALL EXITS SHALL BE UNOBSTRUCTED AT ALL TIMES DURING CONSTRUCTION AND OCCUPANCY

23 THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL, AS REQUIRED, BEGINNING WITH THE CONSTRUCTION PHASE, HAND OPERATED FIRE EXTINGUISHERS, U L RATED, AS PER LOCAL CODE REQUIREMENTS PLACEMENT AS APPROVED BY TENANT AND LOCAL BUILDING OFFICIAL

24 THE GENERAL CONTRACTOR OR THE FIXTURE CONTRACTORS, THOSE CONTRACTORS PAID BY THE G C , BASED ON THE SPECIFIC CONTRACTOR SUPPLYING THE MILLWORK OR FIXTURES, IS TO PROVIDE SHOP DRAWINGS OF ALL MILLWORK AND FIXTURES, PRIOR TO START OF CONSTRUCTION, FOR APPROVAL BY THE UO INC'S PROJECT MANAGER AND ARCHITECT IT IS NOT THE TENANT'S ARCHITECT'S RESPONSIBILITY TO FOLLOW UP ON THESE OR ANY OTHER REQUIRED SHOP DRAWINGS

25 THE GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL TRADES PRIOR TO FABRICATION AND INSTALLATION, AND SUBMIT SAMPLE MATERIAL, COLOR AND FINISHES TO UO INC'S PROJECT MANAGER AND ARCHITECT FOR APPROVAL

26 THE GENERAL CONTRACTOR WILL BE REQUIRED TO PROTECT ALL NEUTRAL PIERS, LANDLORD'S AND ADJACENT TENANT CONSTRUCTION IF ADJACENT TO THIS TENANT'S WORK, AND MAKE ANY AND ALL REQUIRED REPAIRS TO THE SATISFACTION OF THE LANDLORD AND / OR THE TENANT IF THIS WORK IS DAMAGED

27 ALL CONCRETE FLOOR SLABS AND / OR FILLING IN OF DEPRESSED FLOOR AREAS LEVEL WITH CONCRETE OR OTHER APPROVED FINISHES WILL BE COMPLETED BY THE GENERAL CONTRACTOR THE GENERAL CONTRACTOR TO INCLUDE MISCELLANEOUS STEEL FRAMING AND METAL DECK (IF APPLICABLE) AND CONCRETE INSTALLATION ALL FLOOR SLAB PENETRATIONS SHALL HAVE WATERTIGHT SLEEVES EXTENDING A MINIMUM 4" A F F AND MUST BE INSTALLED PER LANDLORD'S CRITERIA CONCRETE SLABS MAY ONLY BE CORE DRILLED / SAW CUT, IF CONTRACTOR IS REQUIRED TO PENETRATE SUCH SLAB ABOVE, BELOW OR ADJACENT TO TENANT'S SPACE, COORDINATION AND APPROVAL BY THE LANDLORD WILL BE NECESSARY PRIOR TO CORE DRILLING / SAWCUTTING IF THIS IS A STRUCTURAL SLAB THEN ANY AND ALL PENETRATIONS THROUGH SLAB MUST BE COORDINATED WITH THE LANDLORD'S REPRESENTATIVE PRIOR TO STARTING WORK GENERAL CONTRACTOR AND / OR its PLUMBING / ELECTRICAL SUBCONTRACTOR, WITH LANDLORD'S PRIOR WRITTEN APPROVAL, TO CORE DRILL / SAW CUT, (WHICHEVER IS APPLICABLE) CONCRETE SLAB IF SAW CUTTING OCCURS, INSTALL UNDER SLAB PLUMBING WASTE PIPING / ELECTRICAL CONDUIT FURNISH AND INSTALL NEW CONCRETE SLAB IN EXCAVATED AREA TO MATCH EXISTING ADJACENT SLAB IN THICKNESS, STRESS AND STRENGTH PIN BOTH EXISTING SIDES TO NEW SLAB WITH 1/2" DIAMETER STEEL RODS 12" O C STAGGERED

28 ALL THE FLOOR FINISHES, WITHIN THE PREMISES, OR AT THE TRANSITION BETWEEN LANDLORD FLOOR FINISHES AND TENANT'S FLOOR FINISHES (AT ENTRY OR REAR DOOR, IF APPLICABLE) ARE TO BE SMOOTH AND LEVEL TO AVOID TRIPPING HAZARDS AND BE WITHIN THE REQUIREMENTS OF BARRIER FREE DESIGN IF AN EXPANSION JOINT COVER IS REQUIRED, SUCH COVER IS TO BE LEVEL AND SMOOTH WITH TENANT'S FLOOR FINISH ELEVATION AND WILL NOT PROJECT ABOVE SUCH FLOOR FINISH ELEVATION IF THE EXISTING SLABS ARE NOT LEVEL, THE GENERAL CONTRACTOR IS REQUIRED TO COMPLETE EXTENSIVE FLASH PATCHING THROUGHOUT TO OBTAIN A SMOOTH AND LEVEL CONCRETE SLAB

29 SHOULD AN EXPANSION JOINT OCCUR IN THE LEASED PREMISES, GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION AFFECTED BY SUCH JOINT, INCLUDING FURNISHING AND INSTALLING A LEVEL, SLAB HEIGHT EXPANSION JOINT COVER, INCLUDING FLOOR, WALLS AND CEILING GENERAL CONTRACTOR SHALL MAINTAIN INTEGRITY OF ALL SUCH EXPANSION JOINTS IN A MANNER CONSISTENT WITH ACCEPTABLE CONSTRUCTION DESIGN PRACTICES

30 ALL GYPSUM BOARD TO BE 5/8" THICK, FIRE CODE "X" BOTH SIDES (WATER RESISTANT IN TOILET ROOMS) AND ALL METAL STUDS TO BE 3 5/8" METAL STUDS - MINIMUM GAUGE AS PER CODE AT 16" O C TO UNDERSIDE OF DECK ABOVE, UNLESS OTHERWISE NOTED DEMISING WALL FIRE RATING TO BE CONFIRMED BY GENERAL CONTRACTOR RESPONDING TO LANDLORD AND CODE REQUIREMENTS SEE CONTRACT DOCUMENTS FOR WALL INDICATIONS ALL PENETRATIONS FOR SUPPLY OR RETURN AIR, ETC , TO HAVE PROPERLY INSTALLED FIRE DAMPERS MEETING THE LATEST FIRE DEPARTMENT REQUIREMENTS, BASED ON SPECIFIC LOCATION OF TENANT'S SPACE IN BUILDING THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL FROM THE BUILDING AND ELECTRICAL INSPECTORS FOR ALL CONCEALED WORK PRIOR TO CLOSING UP WALLS, FLOORS, CEILINGS

31 ALL GYPSUM BOARD TO BE APPLIED VERTICALLY ON WALLS UNLESS OTHERWISE NOTED ALL GYPSUM WALL BOARD TO BE FIRE RESISTANT AND NONCOMBUSTIBLE AS SPECIFIED BY LOCAL CODES

32 ALL METAL FRAMING, GYPSUM BOARD, PARTITIONS, SOFFITS AND FACADES BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED

33 ALL GYPSUM BOARD TO BE FIRE TAPED AND SPACKLED THREE (3) COATS, SANDED AND READY TO RECEIVE PAINT OR WALL COVERING ALL EXISTING GYPSUM BOARD TO BE REPAIRED TO "LIKE NEW" CONDITION

34 ALL DOORS, METAL BUCKS, TRIMMED OPENINGS AND HARDWARE, INCLUDING LOCKS, TO BE PROVIDED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED

35 ALL EXISTING TO REMAIN AND NEW STOREFRONT SYSTEMS, ENTRY DOORS, INTERIOR GLAZING, IF APPLICABLE, MUST COMPLY WITH ALL APPLICABLE CODES AND TENANT'S CONTRACT DOCUMENTS AND SAFETY GLAZING STANDARDS GENERAL CONTRACTOR TO VERIFY IN FIELD ALL EXISTING GLAZING TO REMAIN MEETS OR EXCEEDS SUCH CODES, STANDARDS, ETC INCLUDING BUT NOT LIMITED TO TYPE, SUPPORT, FRAMING METHODS, ETC AND UPGRADE IF OR AS REQUIRED ALL STOREFRONTS TO BE INSTALLED BY GLAZING SUBCONTRACTORS CAREFULLY FOLLOWING REQUIREMENTS AND DETAILS FOR DESIGN AGAINST WIND LOAD CONSIDERATIONS, EVEN THOUGH SUCH INSTALLATION OF STOREFRONT GLAZING MAY BE IN AN ENCLOSED BUILDING GENERAL CONTRACTOR TO VERIFY EXISTING STRUCTURAL SUPPORT/ HANGING CONDITIONS FOR STOREFRONT AND IF STRUCTURAL SPANS ABOVE FOR SUCH HANGING EXCEED NORMAL HANGING SUPPORT DETAILS OR SPAN AND / OR WIND LOAD CALCULATIONS ARE REQUIRED DUE TO LOCAL BUILDING DEPARTMENT REQUIREMENTS, THIS CONTRACTOR IS TO HIRE A LOCAL STRUCTURAL CONSULTANT TO DESIGN SUCH SUPPORT SYSTEM HANGERS AND COMPLETE ALL STRUCTURAL CALCULATIONS / DRAWINGS IN THOSE AREAS WHERE SUCH INFORMATION IS REQUIRED AND TO INCLUDE SUCH COSTS IN THE BID TO THE TENANT

36 ALL CLEARANCES OF PIPES AND DUCT WORK INSTALLED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS MUST BE MAINTAINED FOR ADEQUATE HEIGHTS REQUIRED FOR CEILING SYSTEM AND LIGHT FIXTURES CONTRACTOR MUST REVIEW ENTIRE SET OF CONTRACT DOCUMENTS FOR CEILING HEIGHTS GENERAL CONTRACTOR (OR DESIGNATED AUTHORIZED CONTRACTOR AT GENERAL CONTRACTOR'S EXPENSE) TO REMOVE OR REPLACE AS REQUIRED ANY AND ALL EXISTING P V C PIPING WITH LOCAL CODE ALLOWABLE MATERIALS THROUGHOUT LEASED PREMISES

37 EACH CONTRACTOR AND SUBCONTRACTOR PARTICIPATING IN THE PERFORMANCE OF TENANT'S WORK SHALL (A) MAKE APPROPRIATE ARRANGEMENTS WITH LANDLORD FOR TEMPORARY UTILITY CONNECTIONS INCLUDING WATER AND ELECTRICITY, AS AVAILABLE WITHIN THE BUILDING, WHICH CONNECTIONS SHALL BE AT SUCH LOCATIONS AS SHALL BE DETERMINED BY LANDLORD, (B) PAY THE COST OF THE CONNECTIONS AND OF PROPER MAINTENANCE AND REMOVAL OF SAME, AND (C) PAY ALL UTILITY CHARGES INCURRED AT THE PREVAILING RATES OF THE UTILITY COMPANY PROVIDING SUCH SERVICE TO THE BUILDING, DURING THE COURSE OF CONSTRUCTION UP TO AND INCLUDING THE DATE OF "TURN OVER" TO THE TENANT

38 THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS WORKING ON THIS PROJECT ARE RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITY COMPANIES SUPPLYING UTILITIES TO THE AREA WHERE THE PROJECT IS LOCATED, IN ORDER TO VERIFY LOCATIONS OF UTILITIES, UNDERGROUND OR OVERHEAD, AND SECURE THE PROPER PROCEDURES WHILE WORKING ADJACENT TO, ABOVE OR NEAR SUCH UTILITIES TO AVOID ANY PROBLEMS WITH EXPLOSIONS, DISCONNECTION, REMOVALS, ETC

39 THE STRUCTURAL SYSTEM OF THE BUILDING HAS BEEN DESIGNED TO CARRY A MAXIMUM LIVE LOAD AS SPECIFIED IN THE LANDLORD'S CRITERIA, AND THE LANDLORD'S OR TENANT'S GENERAL CONTRACTOR AND / OR THEIR SUBCONTRACTOR AND / OR ANY AND ALL MATERIAL SUPPLY HANDLERS NOT TO IMPOSE ANY LOADING FOR ANY OF THE TENANT'S WORK ON A TEMPORARY OR PERMANENT BASIS WHICH CAN EXCEED SUCH SPECIFIED LOAD

40 ANY ALTERATIONS, ADDITIONS, DRILLING, WELDING OR OTHER ATTACHMENT OR REINFORCEMENTS TO LANDLORD'S STRUCTURE TO ACCOMMODATE TENANT'S WORK SHALL NOT BE PERFORMED WITHOUT LANDLORD'S APPROVAL, AND THIS CONTRACTOR SHALL LEAVE LANDLORD'S STRUCTURE AS STRONG AS, OR STRONGER THAN, THE ORIGINAL DESIGN AND WITH FINISHES UNIMPAIRED ONLY UTILIZE LANDLORD'S DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING

41 AN APPROVAL BY THE TENANT WILL ONLY BE VALID IF IN WRITING AND SIGNED BY THE TENANT OR BY THE TENANT'S DESIGNATED REPRESENTATIVE FOR SUCH PURPOSE THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING APPROVAL FROM TENANT'S ARCHITECT ON ALL STRUCTURAL CHANGES DURING THE COURSE OF THE CONSTRUCTION PHASE OF PROJECT, AS WELL AS VERIFICATION OF CORRECT INSTALLATION AND SPECIFICATION FOR MISCELLANEOUS STEEL FOR MECHANICAL SYSTEMS, STEEL FOR MEZZANINES (IF APPLICABLE), DUCTS, ETC THE LANDLORD'S ARCHITECT AND THE LANDLORD ARE NOT INVOLVED NOR WILL THEY TAKE ANY RESPONSIBILITY FOR TENANT'S STRUCTURE ANY STRUCTURAL WORK ON PROJECT TO INCLUDE BUT NOT BE LIMITED TO MECHANICAL EQUIPMENT SUPPORTS, HANGING SYSTEMS, CONCRETE SLABS, ETC

42 THE GENERAL CONTRACTOR IS RESPONSIBLE TO CUT AND FRAME ALL OPENINGS FOR OTHER TRADES, SUCH AS MECHANICAL, SPRINKLER, PLUMBING, ELECTRICAL, FIXTURE CONTRACTOR, THROUGH PARTITIONS AND STRUCTURAL WALLS ALL PENETRATIONS THROUGH RATED WALLS, WITH DUCTS OR PIPING, TO BE FILLED AT OPENING WITH "FIRESTOPPING" MATERIALS TO MAINTAIN THE INTEGRITY OF THE SPECIFIED RATING OF THE WALL

43 SPRINKLER SYSTEM DESIGN AND / OR LAYOUT MODIFICATION, (IF APPLICABLE) TO BE PROVIDED BY THE DESIGNATED SPRINKLER SUBCONTRACTOR AND ALL SUBMISSIONS TO THE FIRE MARSHALL AND BUILDING INSPECTOR FOR THE NECESSARY APPROVAL ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR GENERAL CONTRACTOR TO VERIFY WITH THE LANDLORD OR LANDLORD'S CRITERIA IF SPRINKLER CONTRACTOR IS TO BE LANDLORD'S APPROVED OR DESIGNATED CONTRACTOR SPRINKLER HEAD SPACING TO CONFORM WITH THE LATEST N F P A STANDARDS (PAMPHLET 13) AND ALL CODES HAVING JURISDICTION SPRINKLER HEAD BRANCH LINES, DROPS AND HEADS ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR AND THE DESIGN MUST BE BASED ON FLOOR LAYOUT AND REFLECTED CEILING PLANS APPROVALS BY LANDLORD, LANDLORD'S INSURANCE UNDERWRITER AND THE BUILDING INSPECTOR AND FIRE MARSHALL WILL BE REQUIRED

44 ALL PLUMBING AND ELECTRICAL ROUGH-IN TO BE NEW AND ELECTRICAL SERVICE CONDUIT AND WIRE TO THE DEMISED PREMISES TO BE EXTENDED TO THE POINT OF NEW PANELS BY THE CONTRACTOR AS NECESSARY AND SHOWN ON CONTRACT DOCUMENTS GENERAL CONTRACTOR TO FIELD VERIFY THAT THESE UTILITY LINES ARE AT OR ADJACENT TO TENANT'S SPACE AS NOTED AND AT THE SIZE SPECIFIED, BASED ON GENERAL CONTRACTOR'S OR SUBCONTRACTOR'S PRE-BID REVIEW OF PREMISES IF THE UTILITIES ARE NOT IN LOCATIONS AS NOTED ON THE CONTRACT DOCUMENTS OR OF A SIZE LARGER OR SMALLER THAN NOTED, THIS CONTRACTOR IS TO MODIFY THE SERVICE ACCORDINGLY WITH EITHER NEW CONDUIT AND / OR NEW COPPER SERVICE WIRE EXTENDING BACK TO LANDLORD'S ELECTRICAL / METER ROOM SERVICE POINT, AND INCLUDE SUCH COSTS IN THE BID TO THE TENANT

45 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TOILET ACCESSORIES, AS WELL AS THE NEW TOILET ROOM(S), DRINKING FOUNTAIN AND SERVICE SINK IF APPLICABLE, IN THESE PREMISES UNLESS NOTED OTHERWISE OR EXISTING TOILET ACCESSORY AND FIXTURE MOUNTING HEIGHTS TO BE THE HEIGHT NOTED ON THE LATEST A D A / CABO / ANSI REGULATIONS AS REQUIRED BY LOCAL BUILDING AGENCIES AND PLUMBING CODES THE GENERAL CONTRACTOR TO FURNISH AND INSTALL NEW TOILET EXHAUST WITH ASSOCIATED DUCTWORK, ROOF PENETRATIONS, OR HOOK UP TO COMMON EXHAUST DUCT WITH BACKDRAFT DAMPER ETC , INCLUDING ASSOCIATED ELECTRICAL HOOKUP AND PANEL CONNECTIONS, OR REFURBISH EXISTING LIGHT / FAN UNIT(S) TO LIKE NEW CONDITION, (WHERE NOTED ON THE PLANS), WHETHER SUCH WORK IS SHOWN OR NOT SHOWN IN THE CONSTRUCTION DOCUMENTS THE TOILET ROOM IS OF THE A D A AND/ OR CABO / ANSI TYPE AND ALL PLUMBING FIXTURES AND TOILET ACCESSORIES ARE TO BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR, BUT WITH SPECIFICATIONS AND MOUNTING HEIGHTS HANDICAPPED ACCESSIBLE, UTILIZING ABOVE SPECIFICATIONS ONLY AS A GUIDELINE

46 THE GENERAL CONTRACTOR WILL FURNISH AND INSTALL A COMPLETE MECHANICAL SYSTEM TO INCLUDE BUT NOT BE LIMITED TO MECHANICAL EQUIPMENT, INSTALLED AND MOUNTED WITH DISCONNECT AND WIRING, HANGERS AND DUNNAGE FOR SAME (INCLUDING THE HIRING OF A LOCAL STRUCTURAL ENGINEER TO DESIGN SUCH DUNNAGE HANGERS), DUCTWORK, COLLARS, DIFFUSERS, REGISTERS, CONTROLS, TIME CLOCKS, ETC , WHETHER OR NOT SUCH WORK IS OR IS NOT SHOWN OR DELINEATED IN THE CONTRACT DOCUMENTS GENERAL CONTRACTOR'S MECHANICAL CONTRACTOR(S) ARE REQUIRED TO COORDINATE WITH ALL OTHER CONTRACTORS ON JOB TO MAINTAIN TENANT'S CEILING HEIGHT, LIGHT FIXTURE LOCATION, SPRINKLER BRANCH LINES, ETC

47 THE MECHANICAL SUBCONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID FOR THE WORK ON THIS PROJECT THE CONTRACTOR MUST BECOME FAMILIARIZED WITH THE FIELD CONDITIONS, AND THE SCOPE OF WORK CONTRACTOR TO ENGINEER (UNLESS A FIRE ALARM DRAWING IS SUBMITTED AS A PART OF THESE CONTRACT DOCUMENTS), FURNISH AND INSTALL ANY / ALL REQUIRED FIRE ALARM, SMOKE EVACUATION, SMOKE DETECTION SYSTEMS, INCLUDING ANY / ALL PARTS AND LABOR (OR MODIFY EXISTING AS REQUIRED), TO MEET LOCAL CODES, LANDLORD REQUIREMENTS AND FIRE MARSHAL SPECIFICATION, WHETHER SUCH WORK IS OR IS NOT SHOWN IN THE CONSTRUCTION DOCUMENTS IF A SMOKE EVACUATION AND / OR DETECTION SYSTEM OCCURS FOR THIS SPACE, IT SHALL BE LEFT INTACT DURING CONSTRUCTION AND ANY NEW WORK, MODIFICATION AND REWIRING TO BE COMPLETED DURING CONSTRUCTION PHASE TO POINT OF NEW PANELS IF SMOKE DETECTORS ARE REQUIRED TO BE HARD WIRED TO LANDLORD FIRE ALARM SYSTEM, THEY ARE TO BE PER LANDLORD'S SYSTEM CONTRACTOR TO CONTACT LANDLORD OR APPROVED AGENTS FOR PURCHASE AND INSTALLATION OF DETECTORS AT G C EXPENSE G C AND / OR ITS FIRE ALARM SUBCONTRACTOR TO CONTACT LANDLORD FOR FINAL POINT OF CONNECTION TO LANDLORD'S FIRE ALARM JUNCTION BOX AND PERFORM WORK AT CONTRACTOR'S EXPENSE

48 THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL SUBCONTRACTOR TO ENGINEER AND INSTALL ALL NECESSARY MISC STRUCTURAL STEEL SHAPES SHAPES TO BE INSTALLED WHERE DIRECTED BY THE LANDLORD'S REPRESENTATIVE FOR ADDITIONAL MECHANICAL UNIT ROOFTOP SUPPORT AND THE SUPPORT OF INTERIOR MECHANICAL EQUIPMENT, DUCTWORK, COLLARS, DIFFUSERS, REGISTERS, EXHAUSTS, FANS, ETC

49 THE GENERAL CONTRACTOR AND / OR its ELECTRICAL SUBCONTRACTOR SHALL VERIFY ALL EQUIPMENT SPECIFICATIONS AND REQUIREMENTS WITH UO INC'S PROJECT MANAGER PRIOR TO START OF CONSTRUCTION THIS CONTRACTOR TO VERIFY AMPERAGE / VOLTAGE SPECIFICATIONS, WIRING SIZES AND REQUIREMENTS (SERVICE AND PANEL SPECIFICATION) WITH THE EQUIPMENT SUPPLIERS, AND CHECK THE CONTRACT DOCUMENTS FOR MISCALCULATIONS, IN COORDINATION WITH EQUIPMENT SPECIFICATIONS FOR EQUIPMENT SUPPLIED BY THE TENANT, THE CONTRACTORS OR OTHER SOURCES (AS SPECIFIED BY THE ARCHITECT) AS A DOUBLE CHECK TO ASCERTAIN PROPER INSTALLATION OF EQUIPMENT AT THE CORRECT AMPERAGE / VOLTAGE AND WIRING SIZE NO LIGHT FIXTURES ARE TO BE ORDERED UNTIL THIS "DOUBLE CHECK" TAKES PLACE

50 THE GENERAL CONTRACTOR AND / OR ELECTRICAL SUBCONTRACTOR IS TO INSTALL EMERGENCY AND EXIT LIGHTING, AS REQUIRED BY LOCAL CODE OR AGENCIES HAVING JURISDICTION OVER THE PROJECT UNLESS NOTED OTHERWISE IN THE APPLICABLE "RESPONSIBILITY SCHEDULE" THE EXIT / EMERGENCY LIGHTING SHOULD BE PROPERLY LABELED AND APPROVED TYPE LOCKOUTS INSTALLED

51 THE ELECTRICAL SUBCONTRACTOR IS TO PROVIDE A CIRCUIT DIRECTORY WITH PROPER PHASING AND BALANCING, WHICH IS TO CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND UNDERWRITER'S CODE THE SIGN(S) JUNCTION BOX PERMIT IS TO BE INCLUDED IN THE WORK FOR THE ELECTRICAL SUBCONTRACTOR AND THE BOX IS TO BE SUPPLIED BY THIS CONTRACTOR AND PROPERLY LABELED

52 ALL SWITCH / OUTLET PLATES / COVERS TO BE FINISHED IN SAME COLOR / WALL COVERING AS ADJACENT WALL FINISHES, UNLESS NOTED OTHERWISE FACTORY PAINTED GRILLES, DIFFUSERS, METAL TRIM (BUCKS, ETC), ACCESSORIES, SWITCH AND OUTLET PLATES, ETC , ARE TO BE PAINTED TO MATCH ADJACENT SURFACE IN AN ENAMEL, CLEANABLE FINISH, OR AS SPECIFIED ON THE CONTRACT DOCUMENTS

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. [illegible]
STATE OF MAINE

07.21.11

ARCH PROJECT # 1121907

DRAWN BY:

DB

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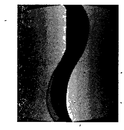
GENERAL NOTES

SHEET NO :

C101

FINISH SCHEDULE

	KEY	FINISH / MATERIAL	COLOR / STYLE	FINISH	MANUFACTURER	VENDOR	LOCATION / REMARKS	SAMPLE REQUIRED	TSM	SF
EXISTING	EX 1	EXISTING MASONRY	–	–	–	–	INTERIOR WALLS WIRE BRUSH OR SANDBLAST AS NEEDED CLEAN AND PATCH IF NECESSARY REMOVE ALL DEBRIS LEFT OF PAST CONSTRUCTION PATCH TO ORIGINAL CONDITION			
	EX 2	EXISTING FLOOR (NO FINISH SCOPE)	–	–	–	–	FLOOR FINISHES AT SALES, SALE ROOM, OFFICE			
	EX 3	EXISTING MARBLE TILE TO BE RELOCATED	–	–	–	–	SEE A100S FOR THE NEW TILE LOCATION			
	EX 4	EXISTING MARBLE TILE	–	–	–	–	REMOVE EXISTING ADHESIVE, CLEAN TO LIKE NEW CONDITION			
	EX 5	EXISTING WOOD JOISTS, TRUSSES, ROOF STRUCTURE, UNDERSIDE OF DECK	–	–	–	–	SAND AND CLEAN AS REQUIRED			
	EX 6	EXISTING CEILING					CLEAN AND REPAIR AS NEEDED			
STEEL	S 1	STEEL FIXTURE STANDARDS	NATURAL STEEL FINISH	MATTE	–	RETAIL FIXTURE				
	S 2	HOT ROLLED STEEL PLATES, ANGLES, REVEALS	NATURAL STEEL FINISH	MATTE	–	RETAIL FIXTURE	FITTING ROOMS, SALES		TS 709	
WOOD	W 1	3/4" THICK X 2-1/4" WIDE RECLAIMED MAPLE FLOORING	AS-IS	AS-IS	–	URBAN EVOLUTIONS	INSTALLED AT A 45% ANGLE TO THE ENTRY , SALES, FITTING ROOMS, BOH CORRIDOR BOARD INSTALLED AT 45% ANGLE TO THE ENTRY SEE PLAN FOR ORIENTATION AND LOCATION BLIND NAIL INTO TONGUE & GROOVE	SUBMIT TO UOI	TS 600	3,703 sq ft
	W 2	PRE-FINISHED DOUG FIR PLYWOOD-GRADE	NATURAL	CLEAR MATTE	–	RETAIL FIXTURES	3/4" MARINE GRADE PLYWOOD, TO BE TACK NAILED WITH A PNEUMATIC GUN TO WOOD STUDS OR PLYWOOD SUBSTRATE (VISIBILITY OF NAILS TO BE MINIMIZED), USE A " RUNNING BOND" LAYOUT ALL SEAMS TO BE FLUSH, SEE ELEVATIONS FOR ORIENTATION OF BOARDS			
CONCRETE	C 1	CEMENT BOARD PANELS RUNNING BOND	NATIONAL GYPSUM-PERMABASE ½" THK	—	NATIONAL GYPSUM	—	CEMENT BOARD SHALL BE IN NEW, UNIFORM CONDITION WEATHERING, DISCOLORATION, WATER MARKS ARE NOT ACCEPTABLE TAPERED SIDE SHALL FACE STUDS (TYPICAL "BACK" FACE TO BE THE FRONT FACE), PRINTED STAMPS SHOULD NOT BE EXPOSED ATTACH WITH SILVER TYPE S FLAT HEAD SCREWS SCREWS SHALL BE EQUALLY SPACED, ALIGNED TOP TO BOTTOM, SIDE TO SIDE, AND EACH TWO ADJACENT SCREWS SHALL BE ALIGNED LOCATE TRIM SCREWS ALONG BOARD PERIMETER ONLY-NO FIELD SCREWS BOARDS TO BE GLUED TO SUBSTRATE WITH CONSTRUCTION ADHESIVE SEE ELEVATIONS FOR ORIENTATION OF BOARDS ("RUNNING BOND" PATTERN) WHITE STRIPS AT TOP& BOTTOM OF PANEL TO BE CUT OFF, RESULTING IN FINAL PANEL SIZE OF 3'-6" X 8'-0" SLICE PANEL IN 5 EVEN HORIZONTAL STRIPS AND 2 EVEN VERTICAL PIECES RESULTING IN AN INDIVIDUAL PANEL BOARD SIZE OF – 8 4" X 4'-0"			1,127 sq ft
	C 2	CONCRETE FLOOR TILE ¾" THK , 16"X16" (V I F)	CHECKERBOARD PATTERN TO MATCH EXISTING MARBLE TILE	MATTE	CONCRETE DESIGN STUDIO	CONCRETE DESIGN STUDIO	SALES- SEE A100S FOR EXACT LOCATION	SUBMIT TO UOI	TS 601	393 sq ft
	C 3	CONCRETE CASHWRAP TOP	CONCRETE	CLEAR MATTE FINISH	—	RETAIL FIXTURES				
	C 4	CONCRETE FLOOR TILE ¾" THK , 12"x12" (V I F)	PATTERN TO MATCH EXISTING MARBLE TILE	MATTE	CONCRETE DESIGN STUDIO	CONCRETE DESIGN STUDIO	SALE ROOM	SUBMIT TO UOI	TS 602	35 sq ft
VINYL	V 1	FRP (TOILET ROOMS AND VISUAL MERCH)	WHITE	PEBBLE FINISH	MARLITE	GC	G C TO INSTALL TO 4'-0" AFF IN TOILET ROOM G C TO INSTALL TO 4'-0" WIDE TO CEILING ON EACH SIDE OF MOP SINK IN VISUAL MERCH			
	V 2	PLASTIC LAMINATE	FASHION GREY D381/60	MATTE	WILSON ART	GC	ALL COUNTER TOPS IN OFFICE, EMPLOYEE AREA, STORAGE AND VISUAL MERCHANDISE ROOMS TO BE PLASTIC LAMINATE, ALL SHELVING TO BE MATCHING FOLKSTONE MELAMINE W/MATCHING VINYL EDGE BANDING AT ALL EDGES			
	V 3	VINYL COVE BASE	WALL BASE 71 MID GREY	–	ARMSTRONG WWW ARMSTONG COM	GC	AT BACK-OF-HOUSE LOCATIONS WHERE SHOWN, WALL BASE TO BE ARMSTRONG COLOR INTEGRATED VINYL WALL BASE, 6" HIGH FOR BATHROOMS, 6" HIGH FOR VIS MERCH, STORAGE, EMPLOYEE, BOH CORRIDOR			
	V 4	V C T	STANDARD EXCELON #51864 "SOFT WARM GRAY"	–	ARMSTRONG WWW ARMSTONG COM	GC	INSTALL V C T TILE ON WATERPROOF MEMBRANE ON EXISTING SLAB PROVIDE "CUSTOM BUILDING PRODUCTS" MODEL "REDGARD" WATERPROOFING & ANTI-FRACTURE MEMBRANE, OR EQUAL, AT BATHROOM FLOORS, INSTALL PER MANUFACTURERS RECOMMENDATIONS BACK OF HOUSE - STORAGE, BATHROOMS, BOH CORRIDOR, VIS MERCH, EMPLOYEE			
PAINT	P 1	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 0C-59 VANILLA MILKSHAKE	EGGSHELL/ FLAT FINISH	BENJAMIN MOORE	GC	SALES FLOOR AND COLUMNS, FITTING ROOMS			
	P 2	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	RL RM34 PARLOR GOLD	EGGSHELL/ FLAT FINISH	RALPH LAUREN	GC	SALES FLOOR			
	P 3	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2001-70 MARSHMALLOW BUNNY	EGGSHELL/ FLAT FINISH	BENJAMIN MOORE	GC	WOMEN'S ROOM			
	P 4	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2066 -70 LIGHT BLUE	EGGSHELL/ FLAT FINISH	BENJAMIN MOORE	G C	MEN'S ROOM			
	P 5	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM OC-63 WINTER SNOW	EGGSHELL/ FLAT FINISH	BENJAMIN MOORE	G C	ALL B O H LOCATIONS GWB SUBSTRATE, TAPE, SPACKLE, & SAND SURFACE TO BE SMOOTH FREE OF DEBRIS - WALLS EGGSHELL, CEILINGS FLAT, TRIM GLOSS			
	P 6	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2071 -60 LILY LAVENDER	EGGSHELL/ FLAT FINISH	BENJAMIN MOORE	G C	GROUND FLOOR OFFICE			
	P 7	PAINT	BM 2131-40 SMOKESTACK GRAY		BENJAMIN MOORE	G C	EXTERIOR STOREFRONT PAINT TO COVER (MIN TWO COATS) OVER ONE COAT BENJAMIN MOORE FRESH START ALL-PURPOSE 100% ACRYLIC PRIMER FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALL AND FINISH SUBMIT SAMPLES (FINISHED) TO uo DESIGN FOR REVIEW AND APPROVAL			
	P 8	PAINT	WHITE RAL 9003	POWDERCOATED ALUMINUM	TIGER DRYLAC	G C	EXTERIOR PAINTED SIGNAGE- NE ELEVATION PAINT TO COVER (MIN TWO COATS) OVER ONE COAT BENJAMIN MOORE FRESH START ALL-PURPOSE 100% ACRYLIC PRIMER FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALL AND FINISH SUBMIT SAMPLES (FINISHED) TO UO DESIGN FOR REVIEW AND APPROVAL			
	P 9	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2066-30 BIG COUNTRY BLUE	EGGSHELL	BENJAMIN MOORE	G C	BARRICADE GRAPHIC			
	P 10	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2030-30 LUCKY CHARM GREEN	EGGSHELL	BENJAMIN MOORE	G C	BARRICADE GRAPHIC			
	P 11	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2017-20 SHARP CHEDDAR	EGGSHELL	BENJAMIN MOORE	G C	BARRICADE GRAPHIC			
	P 12	~~PAINT (NOT USED)~~	~~BM OC-59 VANILLA MILKSHAKE~~	~~EGGSHELL/ FLAT FINISH~~	~~BENJAMIN MOORE~~	~~G C~~	~~FITTING ROOMS~~			
	P 13	2 COATS PAINT MIN - OVER 1 COAT ALL-PURPOSE 100% ACRYLIC PRIMER	BM 2116-60 TOUCH OF GRAY	EGGSHELL/ FLAT FINISH	BENJAMIN MOORE	G C	FITTING ROOMS			
	P 14	~~PAINT (NOT USED)~~	~~WHITE RAL 9003~~	~~EGGSHELL/ FLAT FINISH~~	~~TIGER DRYLAC~~	~~G C~~	~~EXTERIOR PAINTED SIGNAGE- NE ELEVATION PAINT TO COVER (MIN TWO COATS) OVER ONE COAT BENJAMIN MOORE FRESH START ALL-PURPOSE 100% ACRYLIC PRIMER FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALL AND FINISH SUBMIT SAMPLES (FINISHED) TO UO DESIGN FOR REVIEW AND APPROVAL~~			
	P 15	FABRIC COLOR TO MATCH BM PAINT COLOR	BM 2022 -30 BRIGHT YELLOW		BENJAMIN MOORE	G C	EXTERIOR STOREFRONT FLAGS			
	P 16	FABRIC COLOR TO MATCH BM PAINT COLOR	BM 2063 -30 BLUEBERRY		BENJAMIN MOORE	G C	EXTERIOR STOREFRONT FLAGS			
SPECIAL	GF 1	WINDOW FILM	WHITE TRANSLUCENT MATTE FINISH - #MT-200W		MADICO		FITTING ROOMS WINDOWS AND DOORS CLEAN IF NECESSARY GC TO INSTALL			
								SUBMIT TO UOI		
GLAZING	G 1	VISION	1/2"	CLEAR TEMPERED	--	GC	SEE PLANS AND ELEVATIONS FOR LOCATIONS AND DETAILS REFER TO A700 FOR GLAZING SPEC			
	G 2	VISION	1" INSULATED	CLEAR TEMPERED	--	GC	SEE PLANS AND ELEVATIONS FOR LOCATIONS AND DETAILS REFER TO A700 FOR GLAZING SPEC USE BLACK ANODIZED SPACER BAR			
	G 3	VISION	1/2" DIAMOND CAST WIRE GLASS TEXTURED	--	--	GC	SEE PLANS AND ELEVATIONS FOR LOCATIONS AND DETAILS REFER TO A700 FOR GLAZING SPEC	SUBMIT TO UOI		



PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT JEFFREY PHILLIPS No. 2439 STATE OF MAINE 07.21.11

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07-22-11

REVISION

SHEET TITLE
FINISH SCHEDULE

SHEET NO.
C102

FINISH NOTES

1 FINISHES SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND REQUIREMENTS FOR INTERIOR FINISH AND TRIM ALL FINISH MATERIALS TO BE CLASS "A" OR CLASS "B" FLAME SPREAD AND SMOKE DEVELOPMENT CLASSIFICATION

2 ALL COMBUSTIBLE FINISHES, ie WOOD TRIM PANELS, IF REQUIRED BY LOCAL CODES, SHALL BE FIELD TREATED WITH THE FOLLOWING

FIRE-RETARDANT PAINT NF 101, MFR AMALGAMATED CHEMICAL, WEST BLOOMFIELD, MI, DAVID WEISS, 248-737-5560, OR APPROVED EQUAL THIS PAINT SHALL BE A MATTE, CLEAR WATER BASED AND NON-TOXIC FORMULATION, TESTED AS PER ASTM-E84, CLASS 1 FLAME SPREAD OF 0, SMOKE-DEVELOPED RATING OF 10, AND MUST BE APPROVED AND ACCEPTED BY THE LOCAL BUILDING CODE FOR THE INTENDED USE APPLICATION AS PER MFR'S INSTRUCTIONS

3 UNLESS OTHERWISE NOTED (U O N) ALL STOREFRONT STEEL, TUBE STEEL, ANGLES, PLATES, FASTENERS, ETC IN SALES AREA AND FITTING ROOM TO BE OF A FINISH GRADE STEEL (TYPICAL A36 HOT ROLLED SECTIONS TEND TO BE INCONSISTENT AND BUFFING EXPOSES PITTING) AND FINISHED PER "NATURAL" STEEL FINISH, SEE NOTE #12

4 NEW STRUCTURAL STEEL, BEAMS, TUBES, PLATES, FASTENERS, ETC IN SALES AREA AND FITTING ROOM TO BE OF A FINISH GRADE STEEL (TYPICAL A36 HOT ROLLED SECTIONS TEND TO BE INCONSISTENT AND BUFFING EXPOSES PITTING) AND FINISHED PER FINISH TAGS ABOVE

5 ALL ELECTRICAL CONDUIT IN SALES AREAS MUST RUN ACCORDING TO DETAILS ON DRAWINGS HANG PER CODE NO CONDUIT AT SALES AREA SHOULD BE RUN VERTICALLY AT COLUMNS OR WALLS U O N OR APPROVED BY UOI NO J-BOXES, FIRE ALARM, OR SMOKE DETECTION DEVICES SHOULD BE PLACED ON COLUMNS OR BEAMS UNLESS PRIOR APPROVAL IS OBTAINED FROM UOI

ALL EXPOSED ELECTRICAL CONDUIT & HVAC UNISTRUT TO BE GALVANIZED ALUMINUM OR EXTRUDED ALUMINUM, WIPE DOWN ENTIRE CONDUIT & SUPPORT ASSEMBLY

6 FINISH/MATERIAL APPLICATION MUST CONFORM TO LOCAL AIR POLLUTION CONTROL AUTHORITY'S REQUIREMENTS

7 U O N NO BASES OR TRIMS WILL BE INSTALLED AT BOTTOM EDGES OF WALLS OR AT CUTOUTS THEREFORE, ALL EDGES OF ALL WALL SURFACES SHALL BE CUT, FINISHED AND INSTALLED IN A CLEAN AND LEVEL MANNER

8 ALL EXISTING HVAC DUCTWORK, SPRINKLER, PLUMBING, SUPPLY RISERS, WASTE LINES, ROOF DRAINING LEADERS WHICH ARE TO REMAIN SHALL BE NATURAL/UNFINISHED PROVIDE THOROUGH CLEANING OF SAID PIPES AND FITTINGS

9 ALL WALLS, BEAMS, COLUMNS AND JOISTS, ROOF DECK, DECK/BEAM MOUNTED SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, SPRINKLER, ETC) ABOVE BACK OF HOUSE CEILING/WALLS TO BE FINISHED WITH SALES FLOOR/FITTING ROOM FINISHES (UNLESS INVISIBLE FROM SALES FLOOR) FIELD VERIFY LOCATIONS

10 UNLESS OTHERWISE NOTED (U O N) ALL STEEL FIXTURE STANDARDS STEEL (TUBE STEEL, ANGLES, PLATES, FASTENERS, ETC) TO BE OF ASTM 500 GRADE B HOT ROLLED STRUCTURAL STEEL, AND FINISHED PER FINISH TAG M-2 ABOVE SUBMIT SAMPLE TO UOI FOR REVIEW AND APPROVAL

11 STEEL STOREFRONT FINISH NOTES

A SHOP DRAWINGS AND SAMPLES

1 SHOP DRAWINGS - THE STEEL STOREFRONT VENDOR SHALL PROVIDE DETAILED, COMPUTER-GENERATED STOREFRONT SYSTEM SHOP DRAWINGS ALL COMPONENTS, INCLUDING HARDWARE SHALL BE DRAWN TO SCALE

2 MOCKUP - THE VENDOR SHALL FABRICATE A FULL-SIZE, SAMPLE CORNER MOCKUP OF THE STEEL STOREFRONT (SEE ATTACHED PHOTO FOR REFERENCE) AN URBAN OUTFITTERS, INC (UOI) DIRECTOR OR SENIOR DEVELOPMENT MANAGER MAY CHOOSE TO WAIVE THIS REQUIREMENT

3 APPROVALS - THE VENDOR SHALL SECURE STOREFRONT SHOP DRAWING AND SAMPLE APPROVAL FROM THE FOLLOWING ENTITIES PRIOR TO FABRICATION

GENERAL CONTRACTOR
UOI PROJECT MANAGER
ARCHITECT OF RECORD
DESIGNER

B STEEL STOREFRONT - GENERAL SPECIFICATION

THE VENDOR SHALL EMPLOY THE FOLLOWING SPECIFICATIONS TO FABRICATE THE STEEL STOREFRONT

1 NATURAL STEEL - ALL STOREFRONT STEEL SHALL BE A36 / ASTM500 GRADE A OR B HOT ROLLED STRUCTURAL STEEL AND SHALL BE OF A FINISH GRADE QUALITY WITH NO PITTING, BURRS OR CHALK MARKS OR DRAWN-ON MARKS OF ANY KIND STAMPED/RAISED MARKERS ARE ACCEPTABLE IF APPROVED IN ADVANCE PLEASE NOTE THAT UNLESS SPECIFICALLY NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS THE STEEL STOREFRONT IS INTENDED TO BE DISPLAYED WITH ITS NATURAL MATERIAL FINISH AND SHALL NOT RECEIVE ANY PAINT OR PRIMER OF ANY KIND

2 STEEL HANDLING - CARE SHALL BE TAKEN DURING EVERY STEP OF THE MANUFACTURING, TRANSPORTATION AND INSTALLATION PROCESS TO NOT DAMAGE THE STEEL FINISH TO PREVENT ANY RUST FROM FORMING ALL INDIVIDUAL, PREFABRICATED STEEL PIECES SHALL BE FULLY OILED PRIOR TO TRANSPORT TO THE POWDER COATER IF BEING TAKEN OFF SITE FROM THE STEEL FABRICATION FACILITY FOR POWDER COATING MARKS FOR ANY HOLES OR CUTS SHOULD BE PERFORMED THROUGH A NONPERMANENT METHOD (I E NOT SCRATCHED INTO THE FINISH)

3 POWDER COATING - THE NATURAL HOT ROLLED STEEL SHALL RECEIVE AN ELECTROSTATICALLY-APPLIED AND HEAT CURED CLEAR MATTE POWDER COATING THE POWDER COATING SHALL BE APPLIED IN AN APPROPRIATELY CONTROLLED ENVIRONMENT THE STEEL SHALL BE PREPARED FOR THE POWDER COATING USING THE LEAST DAMAGING PROCESS TO THE FINISH OF THE STEEL THE STEEL SHALL NOT RECEIVE ANY ABRASION SANDBLASTING PREPARATION OF ANY KIND STEEL SUPPLIER SHOULD PROVIDE POWDER COATER WITH SPECS DIRECTLY, AS THIS IS A COMMON POINT OF BREAKDOWN STEEL WILL BE REJECTED UNLESS IT IS 100% MATTE THE FABRICATOR MAY USE EITHER OF THE FOLLOWING TWO COATINGS

POLYESTER/EPOXY HYBRID - TWO (2) COATS TIGER DRYLAC MATTE CLEAR # 16/00030

POLYESTER - TWO (2) COATS IFS COATINGS POLYESTER MATTE CLEAR

4 DELIVERY CONDITION - WHEN THE STEEL ARRIVES ON SITE IT SHALL EXHIBIT NO SIGNS OF RUST STEEL WITH RUST SHALL BE REJECTED IMMEDIATELY UPON ARRIVAL

C STEEL STOREFRONT - WIDE FLANGE SYSTEM SPECIFICS (NOT USED)

D GLAZING ASSEMBLY

1. **GLAZING ASSEMBLY / TUBE STEEL GEOMETRY** - THE RELATIONSHIP BETWEEN THE FULL GLAZING ASSEMBLY AND THE ADJACENT TUBE STEEL FRAME SHOULD BE CHECKED CAREFULLY BECAUSE IT IS IMPERATIVE THAT THE OUTER EDGES OF THE GLAZING STOP LEGS DO NOT PROTRUDE PAST THE POINT ON THE ADJACENT TUBE STEEL WHERE THE FILLET RADIUS BEGINS FOR EXAMPLE, HAVING TWO (2) 3/4" GLAZING STOPS PLUS 1/2" GLASS PLUS WIGGLE ROOM FOR THE DOUBLE SIDED GLAZING TAPE IS TOO TIGHT ON A 2 1/2" WIDE TUBE STEEL FRAME MEMBER
2. **GLAZING STOP JOINTS** - ALL STEEL ANGLE GLAZING STOP JOINTS SHOULD BE MITERED AT THE CORNERS
3. **FIXED GLAZING STOP**
   - THE FIXED GLAZING STOP SHOULD BE STITCH WELDED IN THE SHOP AT TWELVE (12) INCHES ON CENTER (UNLESS OTHERWISE NOTED BY THE STRUCTURAL ENGINEER) TO THE ADJACENT TUBE STEEL
   - THE GLAZING STOP SHOULD BE INSTALLED LONG SO THE MITER JOINT CAN BE CUT IN THE FIELD FOR GREATER PRECISION
   - ALL WELDS SHOULD BE PLACED ON THE GLASS SIDE OF THE GLAZING STOP SO THEY WILL BE HIDDEN WHEN INSTALLED
   - FOR SECURITY REASONS FIXED GLAZING STOPS SHOULD BE PLACED ON THE SIDE OF THE STOREFRONT FACING THE EXTERIOR, NOT THE INTERIOR
4. **REMOVABLE GLAZING STOP**

THE REMOVABLE GLAZING STOP SHALL BE SECURED WITH BOLTS THAT ALLOW THE STOP TO BE REMOVED IN CASE THE GLASS NEEDS TO BE REPLACED THE BOLTS SHALL HAVE THE FOLLOWING PROPERTIES

- FASTENERS SHALL BE PLACED EVERY TWELVE (12) INCHES ON CENTER UNLESS THE STRUCTURAL ENGINEER REQUIRES A TIGHTER PATTERN
- FASTENERS SHALL BE NATURAL STEEL FINISH TO MATCH THE GLAZING STOP
- FASTENERS SHALL BE PRECISELY AND CONSISTENTLY CENTERED ON THE STEEL ANGLE LEG
- FASTENERS SHALL BE COUNTERSUNK OR COUNTERBORED
- FASTENER TYPE SHALL BE A SCREW WITH AN ALLEN WRENCH DRIVE, SO IT IS VISUALLY DISTINGUISHABLE FROM A DRYWALL SCREW DRYWALL SCREWS MAY NOT BE USED IF DRYWALL SCREWS ARE USED THE GC WILL BE ASKED TO REMOVE ALL SCREWS AND REPLACE THEM

5. **SEALANTS**
   - WHEN THE STOREFRONT IS CLEAR POWDER COATED NATURAL STEEL, THE SEALANT BETWEEN GLASS AND STOREFRONT SHALL BE PECORA #896 "BLACK" HIGH PERFORMANCE WINDOW AND DOOR SEALANT THIS SHOULD BE CALLED OUT IN THE SHOP DRAWINGS IT IS CRITICAL TO NOTE THAT THE COLOR OF THE SEALANT IS DEPENDENT ON THE FINISH OF THE STEEL STOREFRONT
   - THE SEALANT BETWEEN THE CLEAR POWDER COATED NATURAL STEEL STOREFRONT AND THE ADJACENT FINISH (E G PLASTER, WOOD, BRICK) SHALL BE TAILORED TO EACH SPECIFIC APPLICATION THE GC SHALL CONFIRM THIS SEALANT COLOR WITH THE UOI PM PRIOR TO THE GC PROVIDING THE SEALANT
6. **INSULATED GLAZING SPACER BAR** - AT ALL NATURAL STEEL STOREFRONTS WITH INSULATED GLAZING THE VENDOR SHALL PROVIDE A BLACK ANODIZED SPACER BAR ANY OTHER SPACER BAR FOUND IN THE FIELD SHALL BE REJECTED UPON DISCOVERY BY THE UOI PM AND REPLACED WITH THE CORRECT SPACER BAR IT IS CRITICAL TO NOTE THAT THE COLOR OF THE SPACER BAR IS DEPENDENT ON THE FINISH OF THE STEEL STOREFRONT

E STEEL ENTRY DOOR

DUE TO UOI'S PREFERENCE TO DESIGN TALL AND WIDE STEEL FRAME DOORS, DEVELOPING THE DOOR SPECIFICATION REPRESENTS ONE OF THE MOST DIFFICULT TASKS FOR THE ARCHITECT OF RECORD AND DESIGNER TO UNDERTAKE IT IS THEREFORE IMPERATIVE TO USE THE FOLLOWING BUSINESS RULES IN DEVELOPING EACH SET OF STEEL ENTRY DOORS

1. **GLAZING** - INSULATED GLAZING SHOULD NEVER BE USED IN STEEL ENTRY DOOR APPLICATIONS CLEAR TEMPERED SHOULD ALWAYS BE SPECIFIED
2. **WELDING** - DUE TO THE AMOUNT OF ABUSE OUR DOORS WILL EXPERIENCE, ALL DOOR FRAME CONNECTIONS SHOULD RECEIVE A CONTINUOUS FULL PENETRATION WELD AT ALL JOINTS, NEATLY PERFORMED AS THE WELD WILL BE A FINAL, FINISHED ELEMENT GRINDING IS NOT ALLOWED
3. **STEEL FINISH** - EACH STEEL DOOR LEAF SHOULD BE POWDER COATED AS A SINGLE UNIT AFTER ALL WELDING IS COMPLETED, AS WELDING DESTROYS THE POWDER COATING AND MAKES THE WELDS MORE SUSCEPTIBLE TO RUST.
4. **HARDWARE FINISH** - IT IS IMPERATIVE THAT ALL DOOR HARDWARE ELEMENTS BE COLOR MATCHED TO THE DOORS TO WHICH THEY ARE ATTACHED
5. **DOOR HINGES**
   - THE PREFERRED DOOR HINGE SPECIFICATION IS MCMASTER CARR #3636A6, A NARROW PROFILE, WELD-ON STEEL HINGE THAT HAS GREASE FITTING AND IS ABLE TO BE LIFTED OFF THE EXACT NUMBER OF HINGES PER DOOR SHALL BE PROVIDED BY THE ARCHITECT OF RECORD, BUT A MINIMUM OF 3 DOOR HINGE PAIRS MUST BE PROVIDED
   - THE ALTERNATE DOOR HINGE SHALL BE A CUSTOM-FABRICATED PIANO HINGE THE VENDOR WILL NEED UOI CERTIFICATION IN ORDER TO PROVIDE THIS HINGE ONLY JOHNSTON PRODUCTS AND CREATIVE METALS ARE CURRENTLY APPROVED TO PROVIDE THIS HINGE
6. **DOOR CLOSER**

ALL DOOR CLOSERS SHOULD BE SPECIFIED WITH THE HEAVIEST-DUTY CONFIGURATION AVAILABLE THERE ARE THREE (3) CLOSER OPTIONS FOR STEEL DOORS

- RIXSON SERIES 28 - THIS IS A FLOOR MOUNTED CLOSER AND IS PREFERRED FOR INTERIOR APPLICATIONS THIS CLOSER OPTION IS NOT APPROVED FOR EXTERIOR APPLICATIONS
- LCN 5010 - THIS IS A CLOSER THAT IS CONCEALED IN THE DOOR HEADER THIS CLOSER MAY ONLY BE USED WHEN THE HEADER FRAME IS 4" X 4" OR LARGER FOR 2"X4" HEADER FRAMES THE LCN 2030 SHALL BE USE
- LCN 4111 - THIS IS A CLOSER THAT IS SURFACE MOUNTED AT THE HEADER AND MUST BE SPECIFICALLY APPROVED BY THE UOI PM THE CLOSER COVER MUST BE NATURAL STEEL

2. **DOOR CLOSER COVER / PLATE**
   - WHEN THE CLOSER IS ON THE HEADER THE CLOSER COVER COLOR NEEDS TO MATCH THE TUBE STEEL COLOR
   - WHEN THE CLOSER IS IN THE HEADER THE FINISH PLATE COLOR FOR THE CLOSER NEEDS TO BE NATURAL STEEL TO MATCH HEADER
   - WHEN THE CLOSER IS IN THE SILL THE FINISH PLATE COLOR NEEDS TO MATCH THE INTERNAL ADJACENT SURFACE
3. **STEEL BAR DOOR STOP**
   - AT EXTERIOR APPLICATIONS THERE SHALL BE A STEEL BAR DOOR STOP ON THE HEADER AND JAMBS TO PROVIDE A WEATHERPROOF CONNECTION
   - AT INTERIOR APPLICATIONS THE SIZE AND LOCATION OF THE STEEL BAR DOOR STOP SHALL BE CONFIRMED DURING THE SHOP DRAWING PROCESS BY THE DESIGNER AND THE ARCHITECT OF RECORD WORKING TOGETHER
4. **WEATHERSTRIPPING**

AT EXTERIOR APPLICATIONS ONLY THE FOLLOWING WEATHERSTRIPPING SHOULD BE PROVIDED

- DOOR PERIMETER - PEMKO PK33, ADHERED TO THE STEEL BAR DOOR STOP
- DOOR SILL - PEMKO 9006ZNB

5. **ENTRY DOOR LOCK CYLINDER**
   - THE ENTRY DOORS SHALL RECEIVE A BEST 1E MORTISE LOCK CYLINDER
   - THE BEST CYLINDER SHALL HAVE AN INTERCHANGEABLE (IC) CORE
6. **LATCHING HARDWARE**
   - SINGLE DOORS 1 POINT LATCHING SYSTEM
     - ✓ ADAMS RITE MS1950
   - PAIRED DOORS 3 POINT LATCHING SYSTEM
     - ✓ ADAMS RITE MS-1850S SERIES DEADBOLT
     - ✓ ADAMS RITE 4015 THRESHOLD BOLT
     - ✓ ADAMS RITE 4016 HEADER BOLT
     - ✓ ADAMS RITE 4085 HEADER BOLT (IN ACTIVE DOOR)
7. **DOOR HOLDERS**
   - KICK DOWNS SHALL NOT BE USED AT STEEL ENTRY DOORS UNDER ANY CIRCUMSTANCES
   - DOOR HOLDERS SHOULD BE PROVIDED AT EVERY STORE ENTRY USING ONE OF THE FOLLOWING THREE (3) SPECIFICATIONS THE PROPER HOLDER IS DEPENDENT ON THE SPECIFIC DOOR APPLICATION
     - ✓ IVES FS450 MANUAL STOP AND HOLDER
     - ✓ IVES WS445 WALL MOUNTED MANUAL DOOR STOP AND HOLDER
     - ✓ IVES FB258N MANUAL FLUSH BOLT + DUST-PROOF STRIKE FOR HOLE IN FLOOR

DEVICE SCHEDULE

DEVICE	WALL/CEILING FINISH	COLOR / STYLE
WALL RECEPTACLES & FACEPLATES	(P 1) PAINTED SALES FLOOR WALLS	PAINT (P 1) TO MATCH WALL SURFACE W/WHITE RECEPTACLE
	(EX 1) EXISTING BRICK WALLS	BLACK RECEPTACLES WITH BRUSHED STAINLESS FACE PLATES
	(C 2) CEMENT BOARD PANELS	BLACK RECEPTACLES WITH BRUSHED STAINLESS FACE PLATES
FIRE ALARM A/V DEVICES	ALL SURFACES	RED
BOSE SPEAKERS	(EX 5) EXISTING STEEL DECK	BLACK - CEILING MOUNTED (SEE VENDOR DWGS.)
	(P 1) PAINTED WALLS	WHITE - WALL MOUNTED (SEE VENDOR DWGS.)
	(EX 6) EXISTING CEILING IN SALES RM, FITTING RM	BLACK (SEE VENDOR DWGS.)
WALL SWITCHES & FACEPLATE	(P 1) PAINT (WHITE)	PAINT (P 1) TO MATCH WALL SURFACE W/WHITE SWITCH
EMERGENCY LIGHTS	ALL CEILING SURFACES	TEXTURED OFF WHITE FINISH
EXIT SIGNS	ALL CEILING SURFACES	REDFACE/ WHITE FRAME
LIGHTING	ALL LIGHTS	MILL
MISCELLANEOUS	FRY REGELET	BLACK ANODIZED.
	DIFFUSERS AT PAINTED SALES FLOOR WALLS/CEILINGS (P 1)	TO MATCH (P 1)
	DIFFUSERS AT PAINTED WALLS/CEILINGS (P 2)	TO MATCH (P 2)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH. (215) 454.5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT JERRY H. PHILLIPS, JR. No. 2365 STATE OF MAINE 07.21.11

ARCH PROJECT # 1121907
DRAWN BY
PM/ HM/MRE

ISSUE / DATE
100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION

SHEET TITLE :
FINISH SCHEDULE

SHEET NO :
C103

TENANT SUPPLIED MATERIAL RESPONSIBILITY MATRIX

TSM NUMBER	CATEGORY	VENDOR	DET/SHT	COMMENTS (INCLUDING QUANTITY)
TS001-TS099	**LOW VOLTAGE AND ELECTRICAL SPECIALTIES**			
TS-001A	AUDIO SYSTEM - PREWIRE VISIT / PROJECT REVIEW	BOSE		
TS-001B	AUDIO SYSTEM - INSTALLATION	BOSE		
TS100-TS199	**LIGHTING**			
TS-100	BULK LIGHTING	CAPITOL LIGHTING	A600, A200s	
TS-101	SPECIALTY LIGHTING - RECLAIMED INDUSTRIAL FIXTURE	URBAN OUTFITTERS	5/A701	(3) RECLAIMED ARMORY LIGHTS
TS-102	IFC	WR CONTROLS	A/A404	
TS200-TS299	**OPERATIONS**			
TS-200	OFFICE CASEWORK	RETAIL FIXTURES	G/A403, A104	
TS-201	VISUAL MERCHANDISING CASEWORK	RETAIL FIXTURES	M/A403, A104	
TS-202	STORAGE ROOM CASEWORK	RETAIL FIXTURES	A/A403, A104	
TS-203	EMPLOYEE AREA CASEWORK	RETAIL FIXTURES	L/A403, A104	
TS-204	VISUAL MERCHANDISING STORAGE BINS	RETAIL FIXTURES	D/A403, A104	
TS-205	STORAGE SHELVING	RPP	A404, A104	
TS-206	HANGER MANAGEMENT SYSTEM	IRSG	C/A404, A104	
TS-207	LOCKERS	S & S INDUSTRIAL	1/A403, A104	
TS-208	FLAMMABLE LIQUIDS SAFETY CABINETS	S & S INDUSTRIAL	P/A403, A104	
TS-209	SHOP VAC	S & S INDUSTRIAL	P/A403, A104	
TS-210	JET DUST PACKAGE	S & S INDUSTRIAL	P/A403, A104	
TS400-TS499	**SIGNAGE / STOREFRONT MATERIALS**			
TS-400	BARRICADE GRAPHIC	PRINTING PLANT	D101	
TS-401	ALUMINUM SIGNAGE, FRONT-LIT, 7" TALL LETTERS	US SIGN AND MILL	1,2/A304	
TS-402	STOREFRONT FLAGS	US SIGN AND MILL	A363	(5) 5'-0" x 3'-6" FLAGS TO MOUNT AT EXISTING FLAG HOLDERS
TS-403	PAINTED SIGNAGE	US SIGN AND MILL	3/A304	
TS-404	ENTRY DOORS	RETAIL FIXTURES	1/A703	
TS-405	ENTRY DOOR PULLS	RETAIL FIXTURES	1/A703	
TS500-TS599	**STANDARDS**			
TS-500	FLAT STEEL STANDARDS	RETAIL FIXTURES	A800s	
TS-501	OUTRIGGER STANDARDS	RETAIL FIXTURES	A800s	
TS600-TS699	**FINISHES - FLOOR/WALL COVERING**			
TS-600	2 1/4" RECLAIMED MAPLE WOOD FLOORING	URBAN EVOLUTIONS	A100s	RECLAIMED MILWAUKEE FACTORY FLOORING
TS-601	CONCRETE FLOOR TILE - SALES	CDS	A100s	BLACK & WHITE CHECKERBOARD TO MATCH EXIST. MARBLE - 393 SF
TS-602	CONCRETE TILE - SALES ROOM (G.C TO V.I.F.)	CDS	A100s	
TS700-TS799	**FITTING ROOMS**			
TS-701	FITTING ROOM ITEM COUNT RULER	RETAIL FIXTURES		
TS-702	FITTING ROOM MIRROR FRAME	RETAIL FIXTURES	A602	
TS-703	FITTING ROOM COMMON AREA HANG BAR	RETAIL FIXTURES	A602	
TS-704	FITTING ROOM HARDWARE	RETAIL FIXTURES	A700	
TS-705	FITTING ROOM SERVICES CASEWORK	TRISTATE CARPET	A/A405	
TS-706	FITTING ROOM BENCH - COMMON AREA, AND ADA	RETAIL FIXTURES	A602	
TS-707	FITTING ROOM STOOLS	LAWSON & FENNING	I/A405	
TS-708	FITTING ROOM DOORS - RECLAIMED		A700	
TS-709	FITTING ROOM STEEL PACKAGE	RETAIL FIXTURES	A602	
TS800-TS899	**SALES AREA CUSTOM ASSEMBLIES / FIXTURES**			
TS-800	POS CASHWRAP CABINET	RETAIL FIXTURES		
TS-801	BACKWRAP	RETAIL FIXTURES		
TS1000-TS1099	**LOSS PREVENTION**			
TS-1000	STORE KEY CORES	SECURITY SOURCE		
TS-1002	OFFICE SAFE	CORPORATE SAFE	E/A403	
TS-1004	EAS SYSTEM	CHECKPOINT	E/A403	
TS-1005	SECURITY ALARM SYSTEM	VECTOR	E/A403	
TS1100-TS1199	**INFORMATION TECHNOLOGY**			
TS-1100	POINT OF SALE SYSTEM	IT		
TS-1101	TELECOMMUNICATION SYSTEM	IT		
TS-1102	RF SYSTEM	IT		
TS-1103	DATA PROCESSING EQUIPMENT	IT		
TS-1104	DSL CIRCUIT	IT		
TS1200-TS1299	**DISPLAY OPERATIONS**			
TS-1200	FLEETWOOD FIXTURE PACKAGE	FLEETWOOD		
TS-1201	DISPLAY OPS LIGHTING	CAPITOL LIGHTING		

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PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

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REVISION

SHEET TITLE
TENANT SUPPLIED ITEMS SCHEDULE

SHEET NO
C104

URBAN WORK RESPONSIBILITY SCHEDULE

ITEM	GENERAL CONTRACTOR			LANDLORD		SPECIAL FINISH CONTRACTOR			URBAN OUTFITTERS INC.	
	FURNISH 1	INSTALL 2	FINISH 3	FURNISH 4	INSTALL 5	FURNISH 6	INSTALL 7	FINISH 8	FURNISH 9	INSTALL 10
DEMOLITION										
~~DEMOLISH EXISTING INTERIOR SPACE~~	~~1~~	~~2~~	~~3~~							
~~DEMOLISH EXISTING EXTERIOR FAÇADE~~	~~N/A~~									
~~DEMOLISH EXISTING STOREFRONT~~	~~1~~	~~2~~								
~~DEMOLISH EXISTING REAR EXIT STAIRWELL IN ITS ENTIRETY~~	~~1~~	~~2~~	~~3~~							
~~DEMOLISH EXISTING BRICK VENEER~~	~~1~~	~~2~~	~~3~~							
DEMOLISH EXISTING MEZZANINE	1	2	3							
SITE										
ALL UTILITY METERS				4	5					
METER ACTIVATION									9	10
UTILITY ACCOUNT REASSIGNMENT									9	10
GAS SERVICE TO LEASED SPACE				4	5					
GAS SERVICE IN LEASED SPACE	1	2	3							
SEWER SERVICE TO LEASED SPACE				4	5					
SEWER SERVICE IN LEASED SPACE	1	2	3							
WATER SERVICE TO LEASED SPACE				4	5					
WATER SERVICE IN LEASED SPACE	1	2	3							
BUILDING ACCESSIBILITY (ADA)				4	5					
~~PARKING LOT REPAIR, PETOPPING, + STRIPPING~~				4	5					
~~FENCE REPAIR~~				4	5					
BARRICADE	1	2								
BARRICADE GRAPHICS		2	3						9	
FLOORS / OPENINGS / STRUCTURE										
CONCRETE SLAB				4	5					
~~CONCRETE GRIND & POLISH~~	~~1~~	~~2~~	~~3~~							
~~EXISTING CUTOUT OPENINGS~~										
~~STAIR + ELEVATOR CUTOUT OPENINGS~~	~~1~~	~~2~~	~~3~~							
~~MEZZANINE RAMP~~										
~~EXISTING MEZZANINE STRUCTURE~~				~~4~~	~~5~~					
ALL (E) MEZZ STRUCTURE MODIFICATIONS	1	2	3							
CONCRETE PREP FOR UOI FINISHES	1	2	3							
FINISH CONCRETE SEAL	1	2	3							
WOOD SUBFLOOR	1	2	3							
WOOD PLANK FLOOR		2	3						9	
VINYL FLOORS	1	2	3							
VINYL WALL BASE	1	2	3							
~~ENTRANCE WALK-OFF MAT~~		2	3						9	
WALLS										
DEMISING WALLS - STUDS	1	2	3							
DEMISING WALLS - INSULATION	1	2	3							
DEMISING WALLS - DRYWALL	1	2	3							
DEMISING WALLS - TAPE AND FINISHING	1	2	3							
DEMISING WALLS - FINISHES	1	2	3							
ALL DEMISING WALL MODIFICATIONS	1	2	3							
MARINE GRADE PLYWOOD		2	3						9	
INTERIOR WALLS - CLEAN MASONRY	1	2	3							
CEMENT BOARD	1	2	3						9	
~~FACE BRICK~~		~~2~~	~~3~~						~~9~~	
DECORATIVE PLYWOOD & STUD WALL		2	3						9	
SALES AREA MIRROR FRAME		2	3							
SALES AREA MIRROR GLASS	1	2	3							
CEILING										
GYPSUM BOARD-PAINTED	1	2	3							
PLYWOOD CEILING		2	3						9	
CEILING FRAMING SYSTEM	1	2	3							
MARINE GRADE PLYWOOD	1	2	3							
ROOF										
ROOF MEMBRANE				4	5					
ROOF INSULATION				4	5					
BATT ROOF INSULATION @ BOH				4	5					
RIGID ROOF INSULATION @ SALES/FR				4	5					
~~ROOF COPING AND DOWNSPOUT~~					~~5~~					
~~ROOF LADDER~~					~~5~~					
~~ROOF ACCESS HATCH~~					~~5~~					
~~SKY LIGHT~~	~~1~~	~~2~~	~~3~~							
~~ROOF MEMBRANE PATCHING @ SKY LIGHT~~	~~1~~	~~2~~	~~3~~							
ELECTRICAL SPECIALTIES										
ALL CONDUIT, J-BOXES, PULL STRINGS	1	2	3							
ELECTRICAL SERVICE OUTSIDE BUILDING				4	5					
ELECT FEEDER FROM SERVICE TO PANELS				4	5					
~~PANELS (IF ANY) TO BE REUSED~~					~~5~~					
ELECTRICAL EQUIPMENT & PANELS	1	2	3							
LIGHT FIXTURES / LAMPS		2	3						9	
TEMPORARY LIGHTING	1	2	3							
EMERGENCY EXIT LIGHTS		2	3						9	
HVAC CONTROL WIRING	1	2	3							
LOW VOLTAGE SPECIALTIES										
ALL LV CONDUIT / J-BOXES / PULL STRINGS	1	2								
ALL LV CONVENIENCE RECEPTACLES	1	2								
CHECKPOINT SYSTEM									9	10
CHECKPOINT SYSTEM LV WIRING									9	10
SECURITY SYSTEM									9	10
SECURITY SYSTEM LV WIRING	1	2								
SOUND SYSTEM									9	10
SOUND SYSTEM LV WIRING									9	10
CONDUIT FROM EXTERIOR TO PHONE BOARD				4	5					
PHONE SERVICE									9	10
PHONE SYSTEM									9	10
PHONE SYSTEM LV WIRING	1	2								
P.O.S EQUIPMENT AND SYSTEM									9	10
P O S. SYSTEM LV WIRING	1	2								
WIRELESS ACCESS POINT SYSTEM									9	10
WIRELESS SYSTEM LV WIRING	1	2								
MECHANICAL SPECIALTIES										
HVAC UNIT ROOF CURBS / ROOFING	1	2	3							
HVAC UNITS	1	2	3							
HVAC UNIT POWER	1	2	3							
HVAC DUCTWORK	1	2	3							
HVAC SYSTEM CONTROLS	1	2	3							
HVAC SYSTEM STARTUP	1	2	3							
HVAC SYSTEM COMMISSIONING	1	2	3							
HVAC SYSTEM AIR BALANCING	1	2	3							
~~ELEVATOR~~	~~1~~	~~2~~	~~3~~							
~~CHAIR LIFT~~	~~1~~	~~2~~	~~3~~							
~~LULA~~	~~1~~	~~2~~	~~3~~							
PLUMBING SPECIALTIES										
PLUMBING FIXTURES	1	2	3							
ADA COMPLIANT WATER FOUNTAIN	1	2	3							
FAÇADE/STOREFRONT										
STOREFRONT FRAMING SYSTEM	1	2	3							
STOREFRONT GLAZING	1	2	3							
ENTRY DOORS	1	2	3							
~~WOOD ENTRY DOORS~~		~~2~~	~~3~~						~~9~~	
STEEL ENTRY DOORS	1	2	3							
ENTRY DOOR HARDWARE		2	3						9	
ALL ENTRY DOOR PULLS		2	3						9	
STOREFRONT SIGNAGE						6	7	8		
SIGN LIGHTING POWER (EXT. ILLUMINATION)	1	2	3							
SIGN LIGHTING (EXT ILLUMINATION)						6	7	8		
~~SIGN LIGHTING POWER (INT. ILLUMINATION)~~	~~1~~	~~2~~	~~3~~							
~~SIGN LIGHTING (INT. ILLUMINATION)~~						6	7	8		
~~CONCRETE CURB AT STOREFRONT~~	~~1~~	~~2~~	~~3~~							
FIRE PROTECTION										
FIRE ALARM SYSTEM	1	2								
ALL FIRE ALARM SYSTEM MODS	1	2	3							
SPRINKLER MAIN				4	5					
~~SPRINKLER SYSTEM~~				~~5~~	~~6~~					
ALL SPRINKLER SYSTEM MODIFICATIONS	1	2	3							
SPRINKLER SYSTEM IN UNCONFINED SPACE	1	2	3							
SPRINKLERSYSTEM MODS FOR TI WORK	1	2	3							
FIRE EXTINGUISHERS	1	2	3							
INTUMESCENT PAINT	1	2	3							
~~SPRAY FIREPROOFING~~	~~1~~	~~2~~	~~3~~							
RECEIVING/INSTALLATION CLARIFICATIONS										
STORAGE SHELVING & RACKS									9	10
LOCKERS		2	3						9	
IC LOCK CORES FOR EVERY DOOR (CONST)	1	2	3							
IC LOCK CORE (STORE)		2	3						9	
OFFICE SAFES		2	3						9	
DROP SAFES		2	3						9	
FITTING ROOMS (F.R.)										
F.R. BASE WALLS	1	2	3							
F.R. PRE-HUNG DOORS		2	3						9	
F.R. PLYWOOD TRIM AND WALLS	1	2	3							
F.R. WOOD TRIM		2	3						9	
F.R. DOOR HARDWARE		2	3						9	
F.R MIRROR ASSEMBLY (ALL INCLUSIVE)		2	3						9	
F.R. MIRROR BLOCKING & FASTENING	1	2	3							
F.R. MIRROR FRAME		2	3						9	
F.R. MIRROR GLASS	1	2	3							
F.R. BENCH		2	3						9	
F.R. HOOKS		2	3						9	
F.R. LIGHT FIXTURES		2	3						9	
F.R. COMMON AREA MIRROR FRAME		2	3						9	
F.R. COMMON AREA MIRROR GLASS	1	2	3							
F.R. COMMON AREA CASEWORK		2	3						9	
CASHWRAP/BACKWRAP										
CASHWRAP		2	3						9	
BACKWRAP		2	3						9	
CASHWRAP COUNTERTOP		2	3						9	
BACKWRAP COUNTERTOP		2	3						9	
FIXTURE ASSEMBLIES										
FLAT STANDARDS			2	3					9	
OUTRIGGER STANDARDS			2	3					9	
ALL FASTENERS FOR STANDARDS		1	2	3						
MISCELLANEOUS										
ALL REQUIRED BLOCKING	1	2	3							
METAL DOORS, FRAMES & FINISHES	1	2	3							
DOOR TRANSITIONS	1	2	3							
DOOR HARDWARE (EXCEPT AT F.R. AND	1	2	3							
BACK OF HOUSE CASEWORK & SHELVING	1	2	3							
BACK OF HOUSE CORNER GUARDS	1	2	3							
TOILET ACCESSORIES	1	2	3							
FIRE DOOR	1	2	3							

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH. (864) 232 6642.

LICENSED ARCHITECT
JERRY L. PHILLIPS JR.
No. 2696
STATE OF MAINE

ARCH PROJECT # 1121907
DRAWN BY

PM

ISSUE / DATE

100% CHECKSET
07-08-11

PERMIT/ BID SET
07-22-11

ISSUED FOR CONSTRUCTION
07-22-11

REVISION

SHEET TITLE
RESPONSIBILITY SCHEDULE

SHEET NO
C105

CODE INFORMATION

FULLY SPRINKLERED YES
CONSTRUCTION TYPE IIIB (NON COMBUSTIBLE)
OCCUPANCY CLASS MERCANTILE

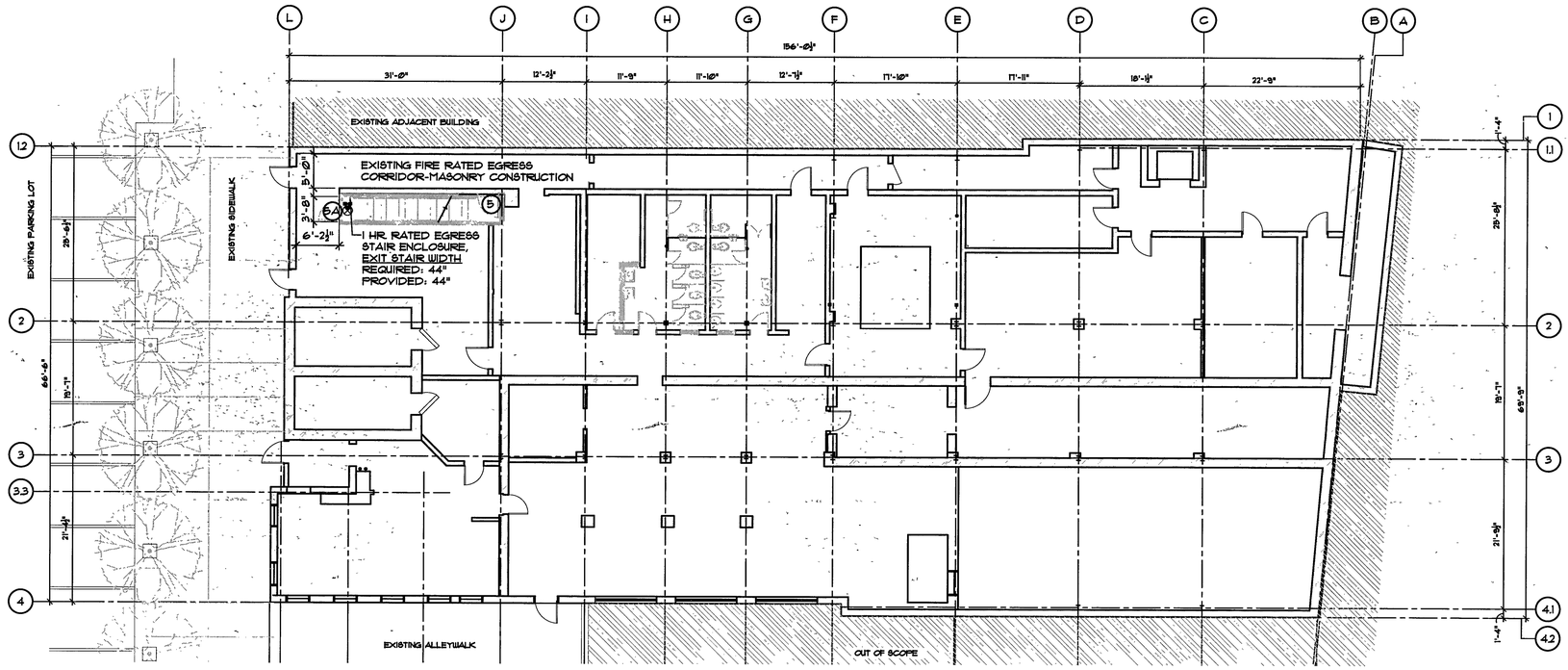
GROSS SQUARE FOOTAGE	=	8,838 SF
NET SQUARE FOOTAGE:	=	9,823 SF

OCCUPANT LOAD CALCULATIONS

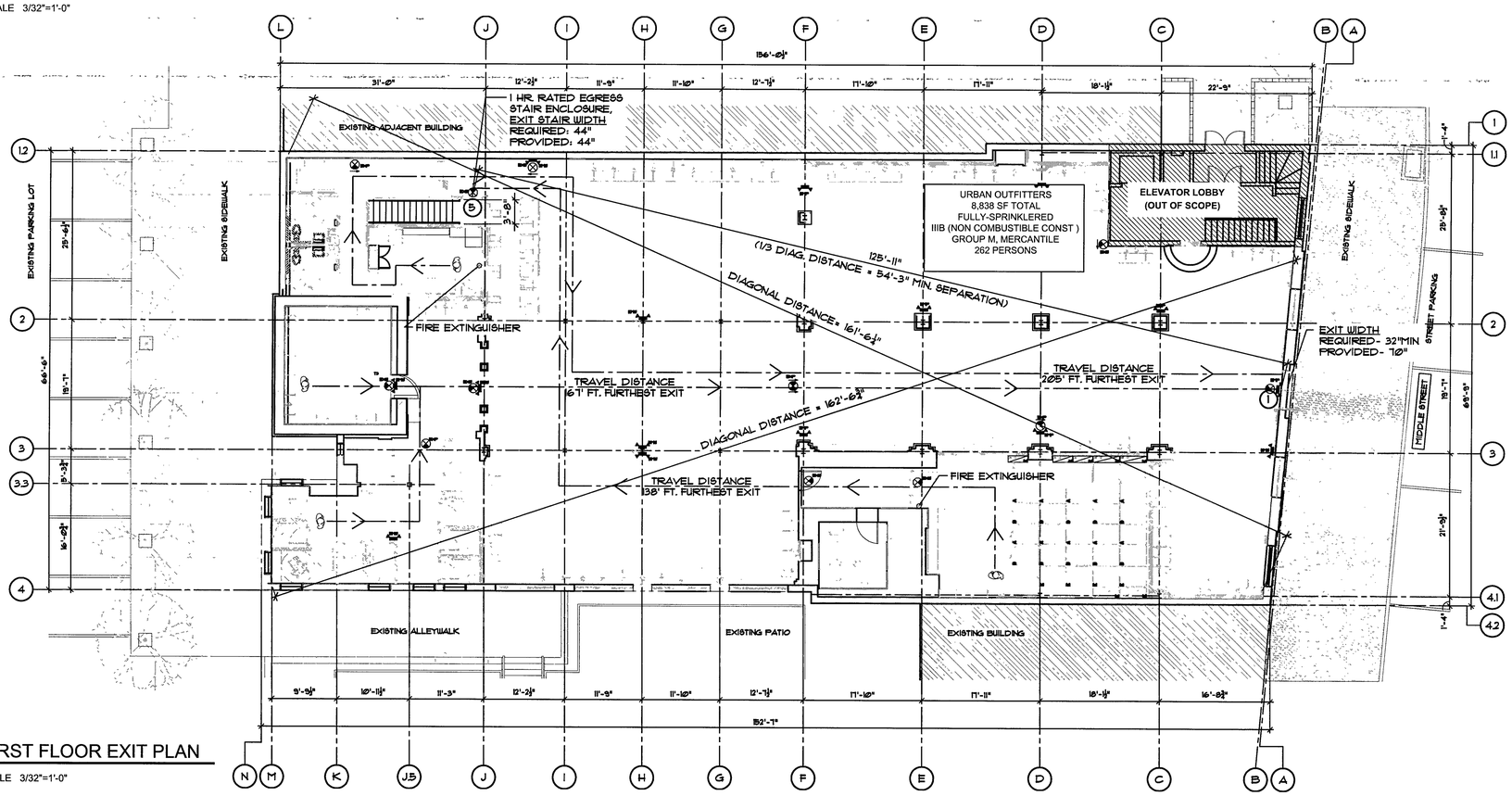
FRONT OF HOUSE AREA = 7,358 SF (30 S F / OCCUPANT)	=	246
BACK OF HOUSE AREA = 1,480 SF (300 S F / OCCUPANT)	=	6
NO. OF EMPLOYEES	=	10 PERSONS
TOTAL OCCUPANT LOAD	=	262

EGRESS ROUTE LEGEND

MEANS OF EGRESS
DIRECTION OF TRAVEL



2 BASEMENT EXIT PLAN
C106 SCALE 3/32"=1'-0"



1 FIRST FLOOR EXIT PLAN
C106 SCALE 3/32"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. 5698
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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SHEET TITLE
EXIT FLOOR PLANS

SHEET NO
C106

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

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07-22-11

REVISION

SHEET TITLE
SITE PLAN - LOT INFORMATION

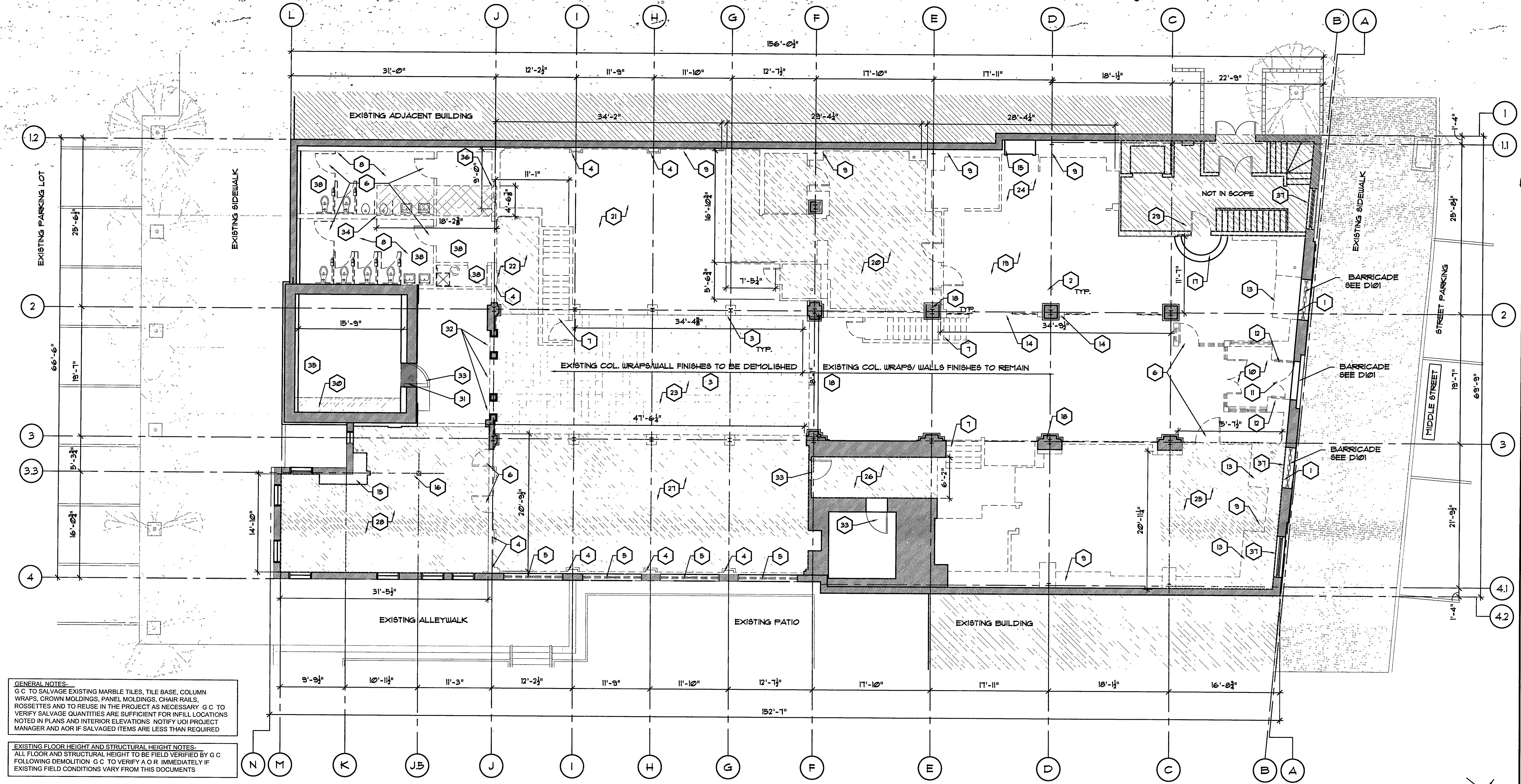
SHEET NO
C107

DEMOLITION PLAN - GENERAL NOTES

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADAAG)
2 G C TO PROVIDE ALL LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO, TEMPORARY LIGHTING BARRICADES, GUARD RAILS AND VENTILATION SYSTEMS AS REQUIRED BY LOCAL, STATE AND FEDERAL JURISDICTIONS
3 G C TO NOTIFY BUILDING FACILITY MANAGEMENT PRIOR TO THE COMMENCEMENT OF WORK, INCLUDING CUTTING, REMOVING, ALTERING, OR SHUTTING OFF ANY MECHANICAL SYSTEMS COORDINATE ALL EFFORTS WITH THE FACILITIES MANAGER REFER TO MECHANICAL/ELECTRICAL PLANS FOR SPECIFIC WORK REQUIREMENTS
4 G C TO COORDINATE WITH LANDLORD RUBBISH REMOVAL PROCEDURES, LOCATION OF TRASH DUMPSTERS, TIME SCHEDULES, ETC DISPOSE OF ALL RUBBISH IN A MANNER COMPLIANT WITH ALL LAWS, REGULATIONS, ETC G C TO ABANDON ANY MECHANICAL OR ELECTRICAL SYSTEMS ALL EQUIPMENT NOT TO BE REUSED IS TO BE REMOVED AND ARRANGE TO IMMEDIATELY REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS
5 G C TO COORDINATE WITH URBAN OUTFITTERS PRIOR TO THE START OF DEMOLITION TO DETERMINE THE SCOPE OF ALL MATERIALS, FINISHES AND SYSTEMS THAT ARE TO BE REUSED
6 G C SHALL MAINTAIN FIRE RATINGS ON ALL INTERIOR COLUMNS AND BEAMS, UNLESS OTHERWISE NOTED (PER REVERIFICATION OF RATING REQUIRED)
7 THE SCOPE OF THE WORK INCLUDES ALL INTERIOR ELEMENTS NECESSARY TO ACCOMMODATE THE NEW WORK THIS INCLUDES, BUT IT NOT LIMITED TO, ALL INDICATED NON-LOAD BEARING INTERIOR AND EXTERIOR WALLS, ALL CEILINGS, ALL FLOOR FINISHES DOWN TO A CLEAN AND LEVEL WORKING SURFACE AND ALL SYSTEMS THAT ARE NOT TO BE REUSED IN THE NEW CONSTRUCTION NO STRUCTURAL ELEMENTS SHALL BE REMOVED WITHOUT URBAN OUTFITTERS AND LANDLORD APPROVAL
8 THE GENERAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THE WORK
9 DURING THE DEMOLITION PHASE THE GENERAL CONTRACTOR SHALL SUPPORT ALL EXISTING STRUCTURES AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT ANY DAMAGE CAUSED BY THE DEMOLITION PROCESS WILL BE CORRECTED BY THE G C AT NO COST TO URBAN OUTFITTERS
10 IF THE DEMOLITION PROCESS RESULTS IN AN UNSAFE WORKING ENVIRONMENT, THE G C IS TO STOP WORK IMMEDIATELY AND NOTIFY THE APPROPRIATE AUTHORITY, URBAN OUTFITTERS AND ARCHITECT PRIOR TO PROCEEDING
11 ANY SYSTEMS THAT WERE CONNECTED TO A UTILITY SHALL BE REMOVED BY A TRADE FAMILIAR WITH THAT UTILITY CAP ALL REMAINING UTILITIES AND MARK THEIR LOCATIONS AT THE SITE AND ON THE AS-BUILT SET OF PLANS G C TO NOTIFY THE UTILITY COMPANY AND THE LANDLORD OF THEIR INTENTIONS PRIOR TO PROCEEDING WITH THE DEMOLITION/REMOVAL PROCESS
12 EXISTING SPRINKLER HEAD GRID, MAIN, & BRANCH PIPES TO REMAIN FUNCTIONAL DURING THE DURATION OF THE DEMOLITION WORK G C TO COORDINATE ANY ALTERATIONS OF THE SPRINKLER SYSTEM WITH THE SPRINKLER CONTRACTOR
13 IF AN EXISTING SECURITY SYSTEM IS IN PLACE, G C TO NOTIFY URBAN OUTFITTERS TO DETERMINE IF ANY OR ALL OF THE SYSTEM CAN BE REUSED
14 G C TO REMOVE ALL ABANDONED PIPING ABOVE THE CEILING LINE TO A LOGICAL POINT AND CAP G C TO VERIFY THAT ANY PIPING TO REMAIN IS SECURELY ATTACHED TO THE LANDLORD'S STRUCTURE
15 G C TO REMOVE ALL ELECTRICAL WORK WITHIN TENANT'S SPACE UNLESS NOTED OTHERWISE G C TO REMOVE ALL EXISTING CEILING LIGHT FIXTURES, COORDINATE WITH MECHANICAL AND ELECTRICAL DOCUMENTS
16 G C TO PATCH AND REPAIR ALL WALLS TO REMAIN WHICH ARE DAMAGED DURING THE DURATION OF DEMOLITION WORK G C TO PREPARE SURFACES AS REQUIRED FOR APPLICATION OF NEW SCHEDULED FINISHES, MAINTAIN ALL EXISTING FIRE RATINGS
17 AREAS IN WHICH DEMOLITION AND SALVAGE WORK IS DONE SHALL BE CLEANED DAILY ALL DUST, DIRT, DEBRIS, UNSALVAGEABLE AND UNREUSEABLE ITEMS SHALL BE TOTALLY REMOVED FROM THE PROJECT SITE DAILY UNDER NO CIRCUMSTANCE SHALL REFUSE BE ALLOWED TO BLOCK OR IMPAIR CIRCULATION IN CORRIDORS, STAIRS, SIDEWALKS, OR OTHER TRAFFIC AREAS AT ANY TIME
18 PRIOR TO THE START OF ANY NEW CONSTRUCTION, G C TO CLEAN THE SITE OF ALL DEMOLITION DEBRIS G C SHALL ASSURE THAT THE DEMOLITION WORK IS COMPLETE TO THE POINT WHERE NO ADDITIONAL DEMOLITION SHALL BE REQUIRED
19 ALL EXISTING FLOOR FIXTURES NOT REMOVED BY PREVIOUS OWNER ARE TO BE REMOVED BY G C
20 ALL EXISTING MERCHANDISE WALL HARDWARE NOT REMOVED BY PREVIOUS OWNER TO BE REMOVED BY G C
21 AFTER DEMOLITION, G C SHALL VERIFY ELEVATION OF EXISTING FLOOR SUBSTRATE AND SHALL BE RESPONSIBLE FOR FLASH PATCH TO SMOOTH NO MORE THAN 1/8" PER 10 FEET OUT OF LEVEL

DEMOLITION PLAN KEY NOTES

1 REMOVE EXISTING WINDOW FROM ARCH/SPANDREL TO EXISTING WOOD PANELING
2 DEMOLISH EXISTING MEZZANINE STRUCTURAL STEEL TUBE COLUMNS
3 DEMOLISH EXISTING STEEL COLUMN WRAPS FURRING/ EXISTING STEEL COLUMNS TO REMAIN
4 REMOVE EXISTING PILASTERS, SALVAGE FOR REUSE
5 DEMOLISH EXISTING ALUMINUM FRAME WINDOWS FOR THE INSTALLATION OF NEW HRS WINDOWS
6 DEMOLISH EXISTING DOOR, DOOR FRAME, AND WALL
7 DEMOLISH EXISTING STAIR, LANDING, HANDRAILS, WALLS, AND ALL STRUCTURE ASSOCIATED
8 DEMOLISH EXISTING TOILET ROOM WALLS, PARTITIONS, DOORS, AND FIXTURES SALVAGE FIXTURES FOR REUSE IN THE BASEMENT TOILET ROOM
9 DEMOLISH EXISTING FURRED WALLS AND FINISHES TO EXPOSE STRUCTURAL BRICK WALL
10 DEMOLISH EXISTING VESTIBULE AND ALL ASSOCIATED STRUCTURE
11 DEMOLISH EXISTING ENTRY DOORS FOR THE INSTALLATION OF NEW STEEL TUBE FRAME ENTRY DOORS
12 REMOVE EXISTING DOOR PANELS AT ENTRANCE, STORE ON SITE FOR VIS MERCH TEAM TO REUSE
13 DEMOLISH EXISTING DISPLAY PLATFORMS, WALLS, FINISHES AND ALL STRUCTURE ASSOCIATED WITH IT
14 DEMOLISH EXISTING GLASS PARTITIONS, PANELS, AND TUBE STEEL SUPPORTS
15 EXISTING FIREPLACE TO REMAIN
16 EXISTING TUBE STEEL COLUMN & SOFFIT BEAM TO REMAIN
17 EXISTING STEPS TO REMAIN
18 EXISTING COLUMN WRAPS/FINISHES TO REMAIN
19 REMOVE EXISTING CARPET AND CARPET PAD TO EXPOSE EXISTING MARBLE UNDERNEATH REPLACING DAMAGED OR MISSING PIECES WITH SALVAGED MARBLE
20 REMOVE VINYL TILE AND PLYWOOD SUBSTRATE FOR THE INSTALLATION OF SALVAGED MARBLE TILE/HARDWOOD FLOORING
21 REMOVE EXISTING CARPET AND PLYWOOD SUBSTRATE FOR THE INSTALLATION OF NEW HARDWOOD FLOORING
22 REMOVE EXISTING VINYL TILE AND PLYWOOD SUBSTRATE FOR THE INSTALLATION OF NEW HARDWOOD FLOORING
23 REMOVE & SALVAGE EXISTING MARBLE TILE FOR REUSE IN SALES AREA
24 REMOVE CARPET AND WOOD UNDERNEATH FOR THE INSTALLATION OF SALVAGED MARBLE TILE
25 REMOVE EXISTING PLYWOOD SUBFLOOR FOR THE INSTALLATION OF CONCRETE TILE
26 REMOVE EXISTING VCT TILE AND PLYWOOD SUBFLOOR FOR THE INSTALLATION OF NEW HARDWOOD FLOORING
27 REMOVE EXISTING VCT TILE AND PLYWOOD SUBFLOOR FOR THE INSTALLATION OF NEW HARDWOOD FLOORING
28 REMOVE EXISTING HARDWOOD FLOORING FOR THE INSTALLATION OF NEW HARDWOOD FLOORING
29 REMOVE EXISTING DOOR AND DOOR FRAME
30 REMOVE EXISTING PLYWOOD FOR THE INSTALLATION OF NEW CONCRETE TILE TO MATCH EXISTING MARBLE FLOOR
31 DEMO EXISTING STEEL RAMP FOR THE INSTALLATION OF NEW STEEL TRANSITION PLATE
32 DEMO EXISTING METAL GATE AND FLOOR TRACK TO INSTALL NEW STEEL TRANSITION PLATE
33 EXISTING DOORS TO REMAIN
34 REMOVE EXISTING FLOOR & SUBFLOOR AND CUT BACK FLOOR JOISTS FOR INSTALLATION OF NEW EGRESS STAIRS FROM BASEMENT - SEE STRUCTURAL
35 EXISTING CONCRETE VAULT TO REMAIN
36 REMOVE EXISTING METERS, ELECTRIC PANELS, AND ASSOCIATED PANELS
37 G C TO FIELD VERIFY CONDITION OF WOOD PANEL AT THE INTERIOR BASE OF WINDOWS SALVAGE FOR REUSE
38 DEMO EXISTING VINYL TILE



GENERAL NOTES-
G C TO SALVAGE EXISTING MARBLE TILES, TILE BASE, COLUMN WRAPS, CROWN MOLDINGS, PANEL MOLDINGS, CHAIR RAILS, ROSSETTES AND TO REUSE IN THE PROJECT AS NECESSARY G C TO VERIFY SALVAGE QUANTITIES ARE SUFFICIENT FOR INFILL LOCATIONS NOTED IN PLANS AND INTERIOR ELEVATIONS NOTIFY UOI PROJECT MANAGER AND AOR IF SALVAGED ITEMS ARE LESS THAN REQUIRED

EXISTING FLOOR HEIGHT AND STRUCTURAL HEIGHT NOTES-
ALL FLOOR AND STRUCTURAL HEIGHT TO BE FIELD VERIFIED BY G C FOLLOWING DEMOLITION G C TO VERIFY A O R IMMEDIATELY IF EXISTING FIELD CONDITIONS VARY FROM THIS DOCUMENTS

DEMOLITION FLOOR PLAN - 1ST FLOOR
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT · STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY
PM / HMW / MRE

ISSUE / DATE

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PERMIT/ BID SET	07-22-11
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REVISION

SHEET TITLE :
DEMOLITION PLAN- FIRST FLOOR

SHEET NO
D100

ATTACH LARGE LASER LETTERFORMS (FROM WOOD, MASONITE, OR VINYL) ONTO WALL AS A STENCIL, TO THEN ROLL AREAS OF COLOR WITH PAINT ONTO BARRICADE SURFACE. AFTER PAINT DRIES, REMOVE LASER CUT LETTERS TO REVEAL MASKED LETTERFORMS. THE LETTER FORMS CAN BE REUSED. AFTER VINYL STICKER IS APPLIED THE BARRICADE SHOULD BE ROLLED WITH THE THREE FOLLOWING COLORS:

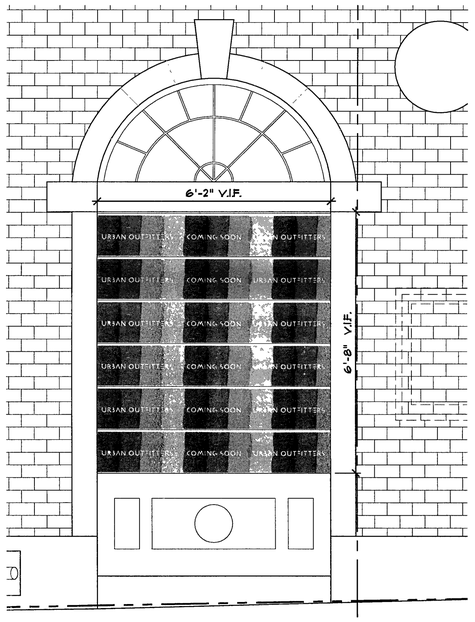
BM2066-30 (BLUE) P 9

BM2030-30 (GREEN) P 10

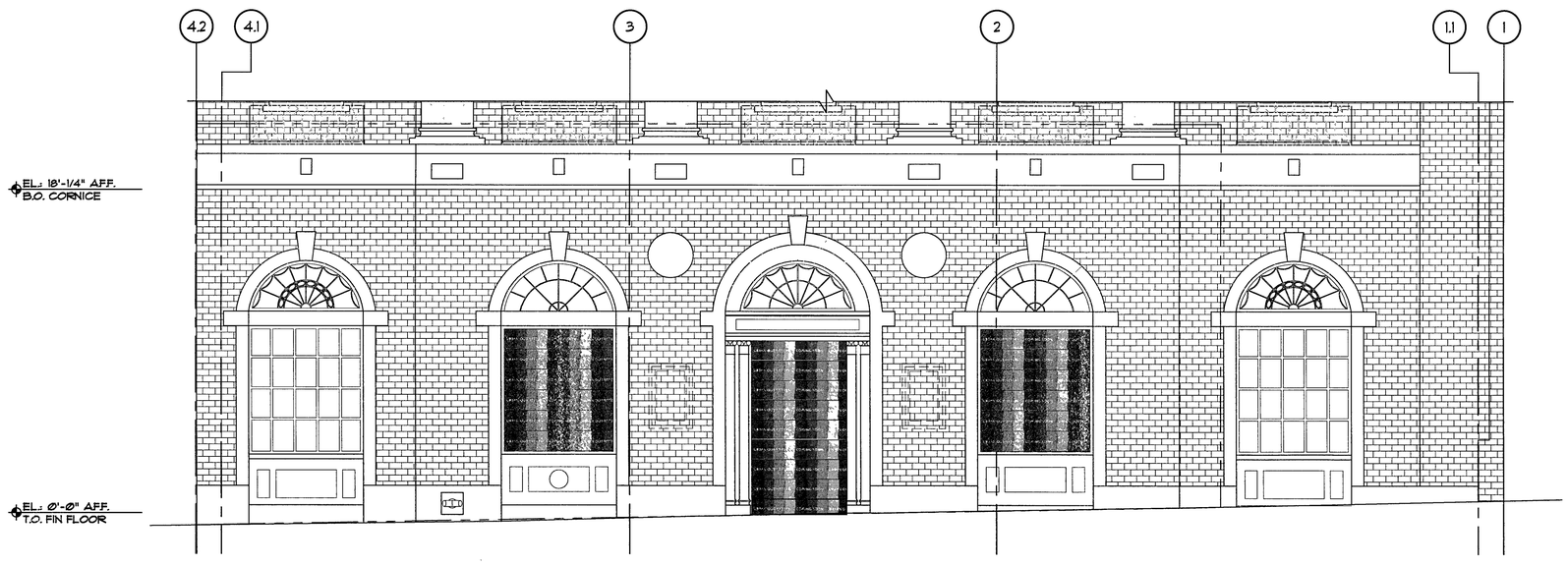
BM2017-20 (YELLOW) P 11

CONSTRUCTION BARRICADE PROVIDED BY G.C. - G.C. TO COORDINATE CONSTRUCTION BARRICADE WITH LANDLORD & CITY RESTRICTIONS.

2 BARRICADE GRAPHIC
D200 SCALE NTS



B ENLARGED BARRICADE GRAPHICS
D200 SCALE 1/2"=1'-0"



A FRONT ELEVATION: BARRICADE GRAPHICS
D200 SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT
JEFFREY L. PHILLIPS ME
No. 2888
STATE OF MAINE
07.22.11

ARCH PROJECT # 1121907
DRAWN BY
DB

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REVISION

SHEET TITLE
DEMOLITION BARRICADE DETAILS

SHEET NO .
D101

DEMOLITION PLAN - GENERAL NOTES

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADAAG)

2 G C TO PROVIDE ALL LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO, TEMPORARY LIGHTING BARRICADES, GUARD RAILS AND VENTILATION SYSTEMS AS REQUIRED BY LOCAL, STATE AND FEDERAL JURISDICTIONS

3 G C TO NOTIFY BUILDING FACILITY MANAGEMENT PRIOR TO THE COMMENCEMENT OF WORK, INCLUDING CUTTING, REMOVING, ALTERING, OR SHUTTING OFF ANY MECHANICAL SYSTEMS COORDINATE ALL EFFORTS WITH THE FACILITIES MANAGER REFER TO MECHANICAL/ELECTRICAL PLANS FOR SPECIFIC WORK REQUIREMENTS

4 G C TO COORDINATE WITH LANDLORD RUBBISH REMOVAL PROCEDURES, LOCATION OF TRASH DUMPSTERS, TIME SCHEDULES, ETC DISPOSE OF ALL RUBBISH IN A MANNER COMPLIANT WITH ALL LAWS, REGULATIONS, ETC G C TO ABANDON ANY MECHANICAL OR ELECTRICAL SYSTEMS ALL EQUIPMENT NOT TO BE REUSED IS TO BE REMOVED AND ARRANGE TO IMMEDIATELY REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS

5 G C TO COORDINATE WITH URBAN OUTFITTERS PRIOR TO THE START OF DEMOLITION TO DETERMINE THE SCOPE OF ALL MATERIALS, FINISHES AND SYSTEMS THAT ARE TO BE REUSED

6 G C SHALL MAINTAIN FIRE RATINGS ON ALL INTERIOR COLUMNS AND BEAMS, UNLESS OTHERWISE NOTED (PER REVERIFICATION OF RATING REQUIRED)

7 THE SCOPE OF THE WORK INCLUDES ALL INTERIOR ELEMENTS NECESSARY TO ACCOMMODATE THE NEW WORK THIS INCLUDES, BUT IT NOT LIMITED TO, ALL INDICATED NON-LOAD BEARING INTERIOR AND EXTERIOR WALLS, ALL CEILINGS, ALL FLOOR FINISHES DOWN TO A CLEAN AND LEVEL WORKING SURFACE AND ALL SYSTEMS THAT ARE NOT TO BE REUSED IN THE NEW CONSTRUCTION NO STRUCTURAL ELEMENTS SHALL BE REMOVED WITHOUT URBAN OUTFITTERS AND LANDLORD APPROVAL

8 THE GENERAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THE WORK

9 DURING THE DEMOLITION PHASE THE GENERAL CONTRACTOR SHALL SUPPORT ALL EXISTING STRUCTURES AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT ANY DAMAGE CAUSED BY THE DEMOLITION PROCESS WILL BE CORRECTED BY THE G C AT NO COST TO URBAN OUTFITTERS

10 IF THE DEMOLITION PROCESS RESULTS IN AN UNSAFE WORKING ENVIRONMENT, THE G C IS TO STOP WORK IMMEDIATELY AND NOTIFY THE APPROPRIATE AUTHORITY, URBAN OUTFITTERS AND ARCHITECT PRIOR TO PROCEEDING

11 ANY SYSTEMS THAT WERE CONNECTED TO A UTILITY SHALL BE REMOVED BY A TRADE FAMILIAR WITH THAT UTILITY CAP ALL REMAINING UTILITIES AND MARK THEIR LOCATIONS AT THE SITE AND ON THE AS-BUILT SET OF PLANS G C TO NOTIFY THE UTILITY COMPANY AND THE LANDLORD OF THEIR INTENTIONS PRIOR TO PROCEEDING WITH THE DEMOLITION/REMOVAL PROCESS

12 EXISTING SPRINKLER HEAD GRID, MAIN, & BRANCH PIPES TO REMAIN FUNCTIONAL DURING THE DURATION OF THE DEMOLITION WORK G C TO COORDINATE ANY ALTERATIONS OF THE SPRINKLER SYSTEM WITH THE SPRINKLER CONTRACTOR

13 IF AN EXISTING SECURITY SYSTEM IS IN PLACE, G C TO NOTIFY URBAN OUTFITTERS TO DETERMINE IF ANY OR ALL OF THE SYSTEM CAN BE REUSED

14 G C TO REMOVE ALL ABANDONED PIPING ABOVE THE CEILING LINE TO A LOGICAL POINT AND CAP G C TO VERIFY THAT ANY PIPING TO REMAIN IS SECURELY ATTACHED TO THE LANDLORD'S STRUCTURE

15 G C TO REMOVE ALL ELECTRICAL WORK WITHIN TENANT'S SPACE UNLESS NOTED OTHERWISE G C TO REMOVE ALL EXISTING CEILING LIGHT FIXTURES, COORDINATE WITH MECHANICAL AND ELECTRICAL DOCUMENTS

16 G C TO PATCH AND REPAIR ALL WALLS TO REMAIN WHICH ARE DAMAGED DURING THE DURATION OF DEMOLITION WORK G C TO PREPARE SURFACES AS REQUIRED FOR APPLICATION OF NEW SCHEDULED FINISHES, MAINTAIN ALL EXISTING FIRE RATINGS

17 AREAS IN WHICH DEMOLITION AND SALVAGE WORK IS DONE SHALL BE CLEANED DAILY ALL DUST, DIRT, DEBRIS, UNSALVAGEABLE AND UNREUSEABLE ITEMS SHALL BE TOTALLY REMOVED FROM THE PROJECT SITE DAILY UNDER NO CIRCUMSTANCE SHALL REFUSE BE ALLOWED TO BLOCK OR IMPAIR CIRCULATION IN CORRIDORS, STAIRS, SIDEWALKS, OR OTHER TRAFFIC AREAS AT ANY TIME

18 PRIOR TO THE START OF ANY NEW CONSTRUCTION, G C TO CLEAN THE SITE OF ALL DEMOLITION DEBRIS G C SHALL ASSURE THAT THE DEMOLITION WORK IS COMPLETE TO THE POINT WHERE NO ADDITIONAL DEMOLITION SHALL BE REQUIRED

19 ALL EXISTING FLOOR FIXTURES NOT REMOVED BY PREVIOUS OWNER ARE TO BE REMOVED BY G C

20 ALL EXISTING MERCHANDISE WALL HARDWARE NOT REMOVED BY PREVIOUS OWNER TO BE REMOVED BY G C

21 AFTER DEMOLITION, G C SHALL VERIFY ELEVATION OF EXISTING FLOOR SUBSTRATE AND SHALL BE RESPONSIBLE FOR FLASH PATCH TO SMOOTH NO MORE THAN 1/8" PER 10 FEET OUT OF LEVEL

DEMOLITION PLAN KEY NOTES

1 DEMOLISH EXISTING STAIR, LANDING, HANDRAILS, WALLS, AND ALL STRUCTURE ASSOCIATED

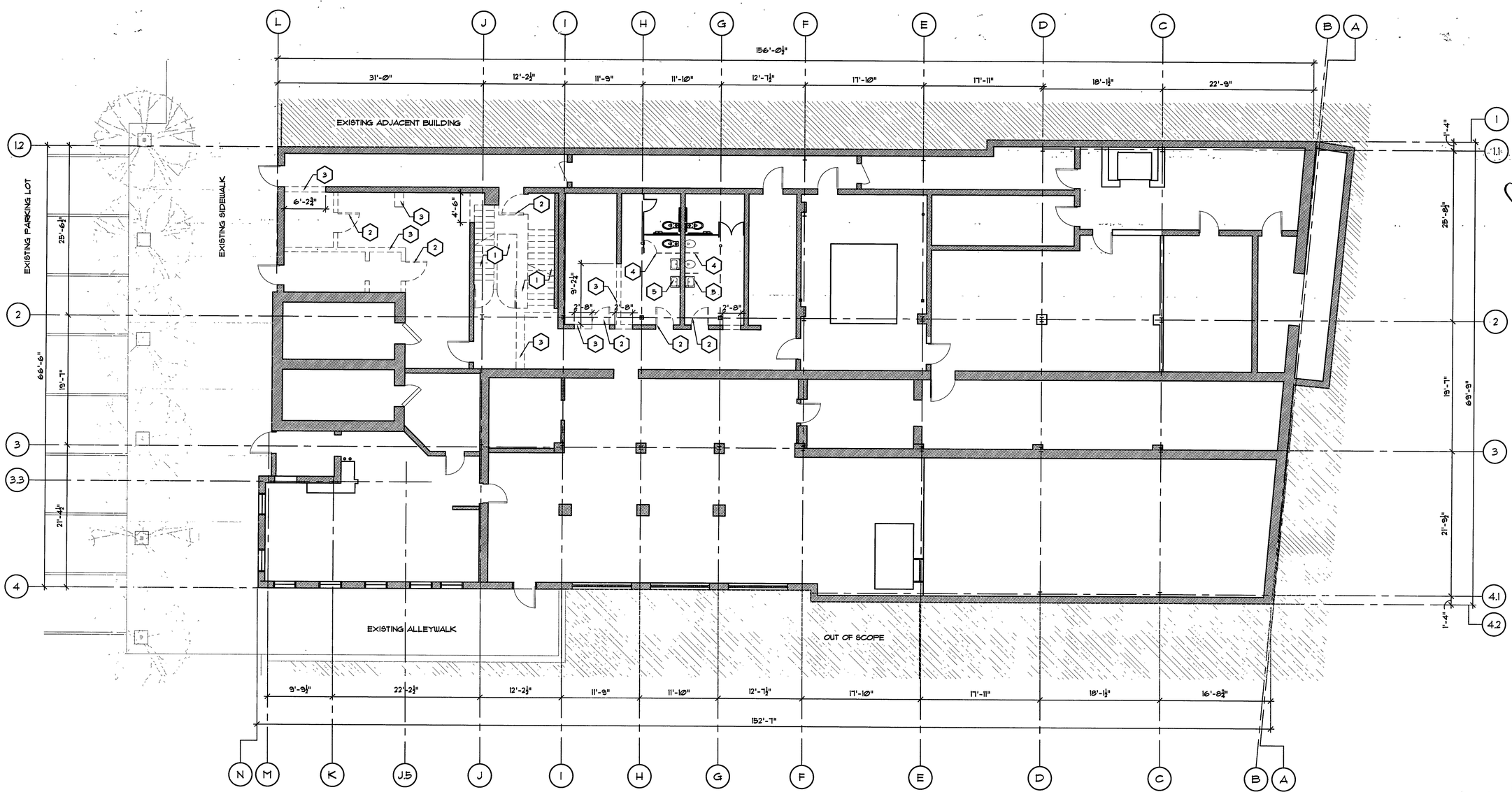
2 REMOVE & RELOCATE EXISTING DOOR AND DOOR FRAME

3 DEMOLISH EXISTING PARTITION WALLS

4 DEMOLISH EXISTING TOILET PARTITION AND DOOR

5 REMOVE & RELOCATE EXISTING TOILET FIXTURES AS SHOWN IN NEW FLOOR PLANS

EXISTING FLOOR HEIGHT AND STRUCTURAL HEIGHT NOTES-
ALL FLOOR AND STRUCTURAL HEIGHT TO BE FIELD VERIFIED BY G C FOLLOWING DEMOLITION G C TO VERIFY A O R IMMEDIATELY IF EXISTING FIELD CONDITIONS VARY FROM THIS DOCUMENTS



DEMOLITION FLOOR PLAN - BASEMENT
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS, JR.
NO. 2498
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY

PM

ISSUE / DATE

100% CHECKSET
07-08-11
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ISSUED FOR CONSTRUCTION
07-22-11

REVISION

SHEET TITLE
DEMOLITION
PLAN-BASEMENT

SHEET NO
D102

DEMOLITION PLAN - GENERAL NOTES

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADAAG)

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4 G C TO COORDINATE WITH LANDLORD RUBBISH REMOVAL PROCEDURES, LOCATION OF TRASH DUMPSTERS, TIME SCHEDULES, ETC DISPOSE OF ALL RUBBISH IN A MANNER COMPLIANT WITH ALL LAWS, REGULATIONS, ETC G C TO ABANDON ANY MECHANICAL OR ELECTRICAL SYSTEMS ALL EQUIPMENT NOT TO BE REUSED IS TO BE REMOVED AND ARRANGE TO IMMEDIATELY REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS

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6 G C SHALL MAINTAIN FIRE RATINGS ON ALL INTERIOR COLUMNS AND BEAMS, UNLESS OTHERWISE NOTED (PER REVERIFICATION OF RATING REQUIRED)

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8 THE GENERAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THE WORK

9 DURING THE DEMOLITION PHASE THE GENERAL CONTRACTOR SHALL SUPPORT ALL EXISTING STRUCTURES AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT ANY DAMAGE CAUSED BY THE DEMOLITION PROCESS WILL BE CORRECTED BY THE G C AT NO COST TO URBAN OUTFITTERS

10 IF THE DEMOLITION PROCESS RESULTS IN AN UNSAFE WORKING ENVIRONMENT, THE G C IS TO STOP WORK IMMEDIATELY AND NOTIFY THE APPROPRIATE AUTHORITY, URBAN OUTFITTERS AND ARCHITECT PRIOR TO PROCEEDING

11, ANY SYSTEMS THAT WERE CONNECTED TO A UTILITY SHALL BE REMOVED BY A TRADE FAMILIAR WITH THAT UTILITY CAP ALL REMAINING UTILITIES AND MARK THEIR LOCATIONS AT THE SITE AND ON THE AS-BUILT SET OF PLANS G C TO NOTIFY THE UTILITY COMPANY AND THE LANDLORD OF THEIR INTENTIONS PRIOR TO PROCEEDING WITH THE DEMOLITION/REMOVAL PROCESS

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DEMOLITION PLAN KEY NOTES

1 REMOVE EXISTING MEZZANINE, MEZZANINE STRUCTURE AND RELATED FINISHES, PATCH AND REPAIR EXISTING WALLS AS REQUIRED TO MATCH ADJACENT

2 EXISTING COLUMN WRAPS/FINISHES TO REMAIN

3 INFILL EXISTING OPENING TO MATCH ADJACENT WALL AND WALL FINISH SEE INTERIOR ELEVATIONS FOR OPENING SIZE

4 DEMOLISH EXISTING MEZZANINE STRUCTURAL STEEL TUBE COLUMNS

GENERAL NOTES-
G C TO SALVAGE EXISTING MARBLE TILES, TILE BASE, COLUMN WRAPS, CROWN MOLDINGS, PANEL MOLDINGS, CHAIR RAILS, ROSSETTES AND TO REUSE IN THE PROJECT AS NECESSARY G C TO VERIFY SALVAGE QUANTITIES ARE SUFFICIENT FOR INFILL LOCATIONS NOTED IN PLANS AND INTERIOR ELEVATIONS NOTIFY UOI PROJECT MANAGER AND AOR IF SALVAGED ITEMS ARE LESS THAN REQUIRED.

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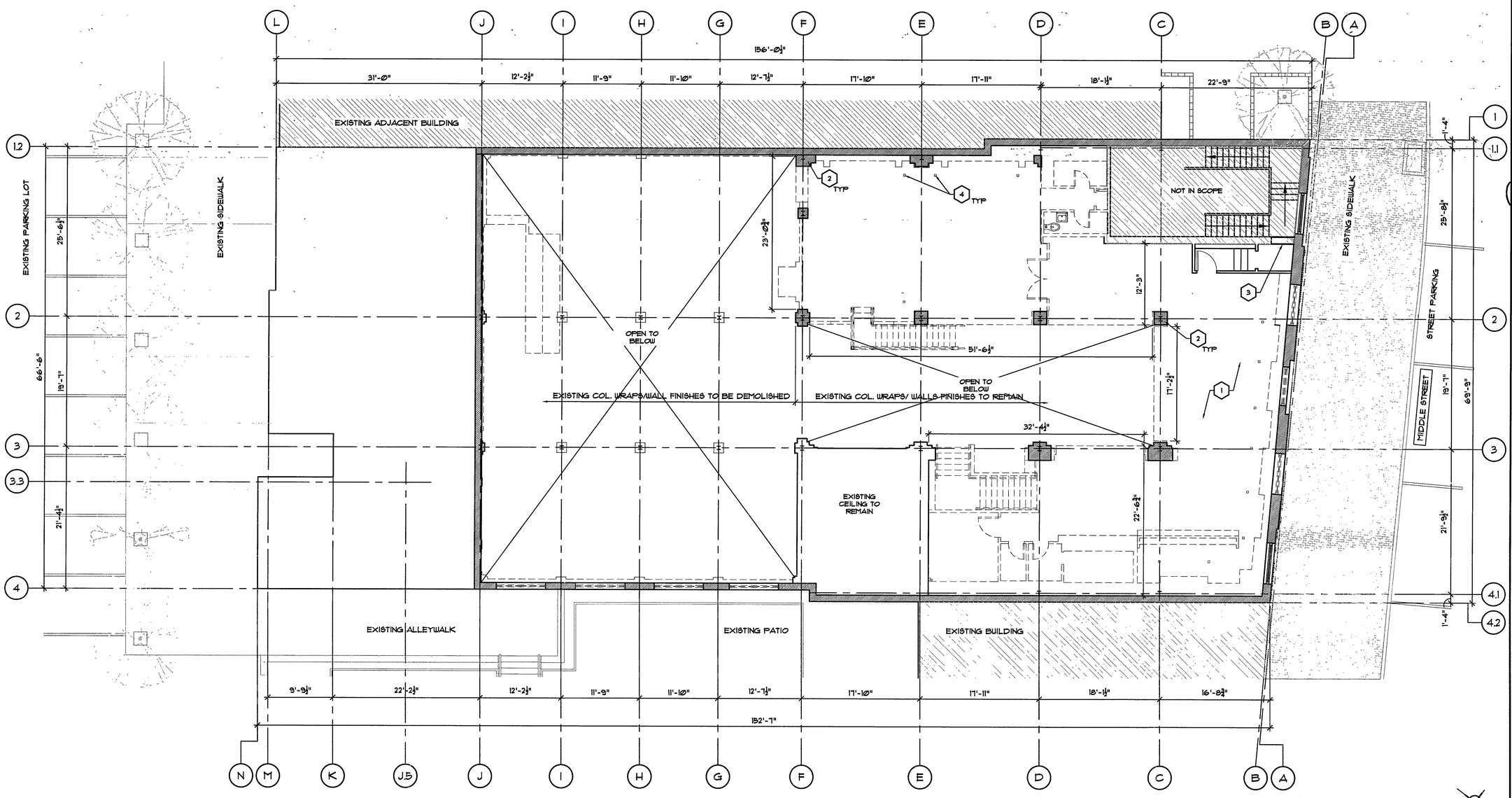

DEMOLITION FLOOR PLAN - MEZZANINE
SCALE 1/8"=1'-0"

PHILLIPS

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PHILADELPHIA, PA 19112
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MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

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REVISION

SHEET TITLE
DEMOLITION PLAN-MEZZANINE

SHEET NO
D103

DEMOLITION PLAN - GENERAL NOTES

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DEMOLITION RCP KEY NOTES

1 DEMOLISH EXISTING LIGHT FIXTURE

2 REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ZINC STRIPS FOR REUSE

3 REMOVE EXISTING CEILING AND STRUCTURE FRAMING TO EXPOSE EXISTING DECK, BEAM, AND JOISTS AS SHOWN IN NEW PLANS/ SA VAGE ALL BEAM WRAPS, CROWN MOULDINGS, CEILING MOLDINGS

4 EXISTING CEILING TO REMAIN

GENERAL NOTES-
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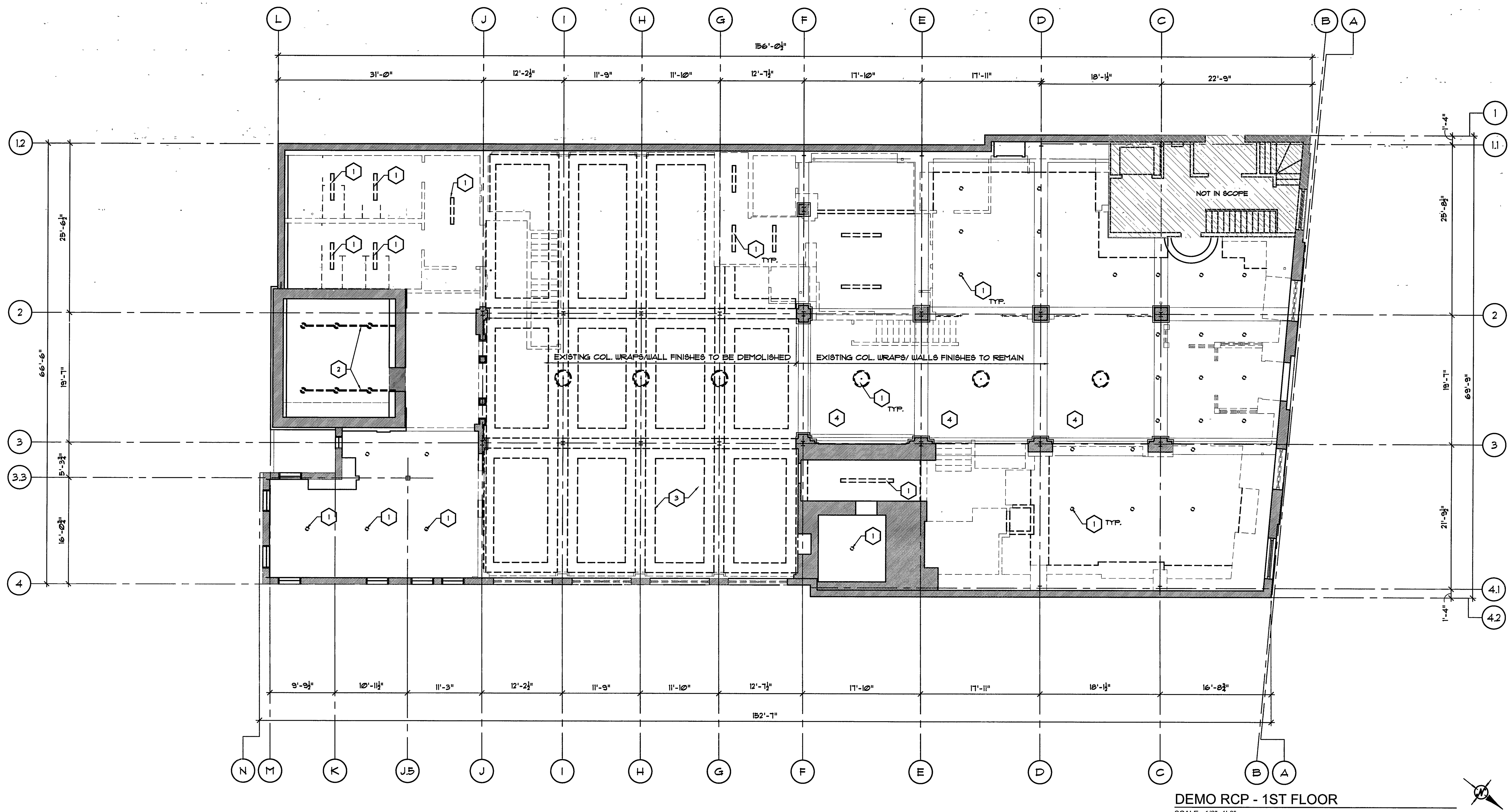

DEMO RCP - 1ST FLOOR
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT
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P.O. BOX 1596
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PH. (864) 232.6642

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ARCH PROJECT # 1121907
DRAWN BY
PM

ISSUE / DATE

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REVISION

SHEET TITLE :
DEMO RCP-FIRST FLOOR

SHEET NO. :
D200

DEMOLITION PLAN - GENERAL NOTES

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DEMOLITION RCP KEY NOTES

1 REMOVE EXISTING RECESSED LIGHTS, PATCH AND REPAIR CEILING AS NECESSARY
2 REMOVE EXISTING CHANDELIERS
3 DEMO EXISTING FURRED OUT SOFFIT
4 EXISTING SOFFIT MOLDINGS TO REMAIN
5 EXISTING ACT CEILING TO BE REMOVED PATCH & REPAIR CEILING TO MATCH ADJACENT

GENERAL NOTES-
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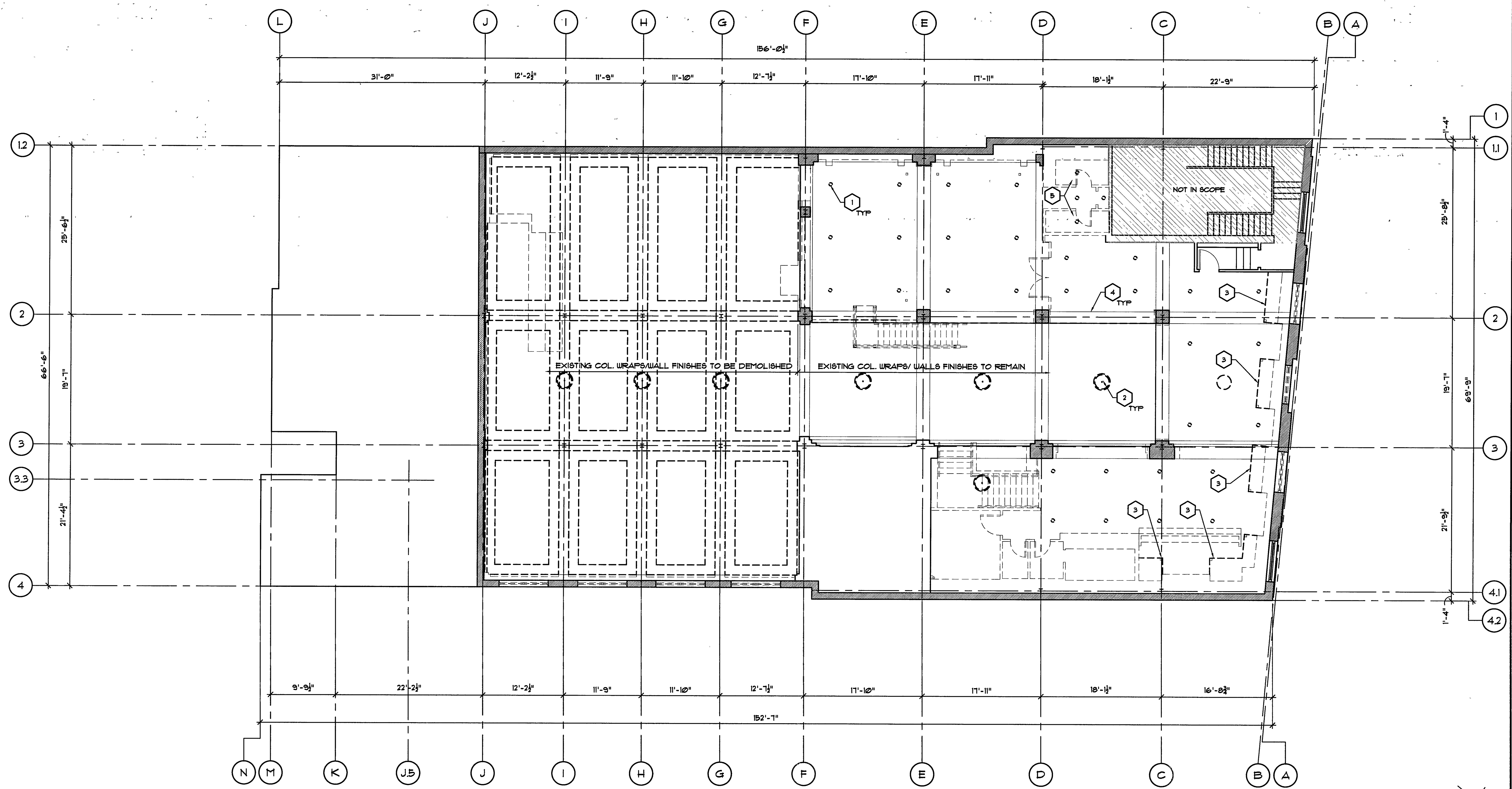

DEMOLITION RCP- MEZZANINE
SCALE 1/8"=1'-0"

PHILLIPS

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P.O BOX 1596
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PH (864) 232.6642

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REVISION

SHEET TITLE
DEMOLITION
RCP-MEZZANINE

SHEET NO.
D201

DEMOLITION PLAN - GENERAL NOTES

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9 DURING THE DEMOLITION PHASE THE GENERAL CONTRACTOR SHALL SUPPORT ALL EXISTING STRUCTURES AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT ANY DAMAGE CAUSED BY THE DEMOLITION PROCESS WILL BE CORRECTED BY THE G C AT NO COST TO URBAN OUTFITTERS

10 IF THE DEMOLITION PROCESS RESULTS IN AN UNSAFE WORKING ENVIRONMENT, THE G C IS TO STOP WORK IMMEDIATELY AND NOTIFY THE APPROPRIATE AUTHORITY, URBAN OUTFITTERS AND ARCHITECT PRIOR TO PROCEEDING

11 ANY SYSTEMS THAT WERE CONNECTED TO A UTILITY SHALL BE REMOVED BY A TRADE FAMILIAR WITH THAT UTILITY CAP ALL REMAINING UTILITIES AND MARK THEIR LOCATIONS AT THE SITE AND ON THE AS-BUILT SET OF PLANS G C TO NOTIFY THE UTILITY COMPANY AND THE LANDLORD OF THEIR INTENTIONS PRIOR TO PROCEEDING WITH THE DEMOLITION/REMOVAL PROCESS

12 EXISTING SPRINKLER HEAD GRID, MAIN, & BRANCH PIPES TO REMAIN FUNCTIONAL DURING THE DURATION OF THE DEMOLITION WORK G C TO COORDINATE ANY ALTERATIONS OF THE SPRINKLER SYSTEM WITH THE SPRINKLER CONTRACTOR

13 IF AN EXISTING SECURITY SYSTEM IS IN PLACE, G C TO NOTIFY URBAN OUTFITTERS TO DETERMINE IF ANY OR ALL OF THE SYSTEM CAN BE REUSED

14 G C TO REMOVE ALL ABANDONED PIPING ABOVE THE CEILING LINE TO A LOGICAL POINT AND CAP G C TO VERIFY THAT ANY PIPING TO REMAIN IS SECURELY ATTACHED TO THE LANDLORD'S STRUCTURE

15 G C TO REMOVE ALL ELECTRICAL WORK WITHIN TENANT'S SPACE UNLESS NOTED OTHERWISE G C TO REMOVE ALL EXISTING CEILING LIGHT FIXTURES, COORDINATE WITH MECHANICAL AND ELECTRICAL DOCUMENTS

16 G C TO PATCH AND REPAIR ALL WALLS TO REMAIN WHICH ARE DAMAGED DURING THE DURATION OF DEMOLITION WORK G C TO PREPARE SURFACES AS REQUIRED FOR APPLICATION OF NEW SCHEDULED FINISHES, MAINTAIN ALL EXISTING FIRE RATINGS

17 AREAS IN WHICH DEMOLITION AND SALVAGE WORK IS DONE SHALL BE CLEANED DAILY ALL DUST, DIRT, DEBRIS, UNSALVAGEABLE AND UNREUSEABLE ITEMS SHALL BE TOTALLY REMOVED FROM THE PROJECT SITE DAILY UNDER NO CIRCUMSTANCE SHALL REFUSE BE ALLOWED TO BLOCK OR IMPAIR CIRCULATION IN CORRIDORS, STAIRS, SIDEWALKS, OR OTHER TRAFFIC AREAS AT ANY TIME

18 PRIOR TO THE START OF ANY NEW CONSTRUCTION, G C TO CLEAN THE SITE OF ALL DEMOLITION DEBRIS G C SHALL ASSURE THAT THE DEMOLITION WORK IS COMPLETE TO THE POINT WHERE NO ADDITIONAL DEMOLITION SHALL BE REQUIRED

19 ALL EXISTING FLOOR FIXTURES NOT REMOVED BY PREVIOUS OWNER ARE TO BE REMOVED BY G C

20 ALL EXISTING MERCHANDISE WALL HARDWARE NOT REMOVED BY PREVIOUS OWNER TO BE REMOVED BY G C

21 AFTER DEMOLITION, G C SHALL VERIFY ELEVATION OF EXISTING FLOOR SUBSTRATE AND SHALL BE RESPONSIBLE FOR FLASH PATCH TO SMOOTH NO MORE THAN 1/8" PER 10 FEET OUT OF LEVEL

DEMOLITION KEY NOTES

1 EXISTING BRICK WALL TO REMAIN

2 EXISTING EXTERIOR LIGHTING TO REMAIN

3 EXISTING DISPLAY BOXES TO BE DEMOLISHED PATCH AND REPAIR BRICK WALL AS NECESSARY

4 EXISTING GLASS ENTRY DOOR & FRAME TO BE REMOVED

5 EXISTING WINDOW TO BE REMOVED FOR THE INSTALLATION OF NEW WOOD FRAME WINDOW

6 EXISTING FIRE ALARM BELL TO REMAIN

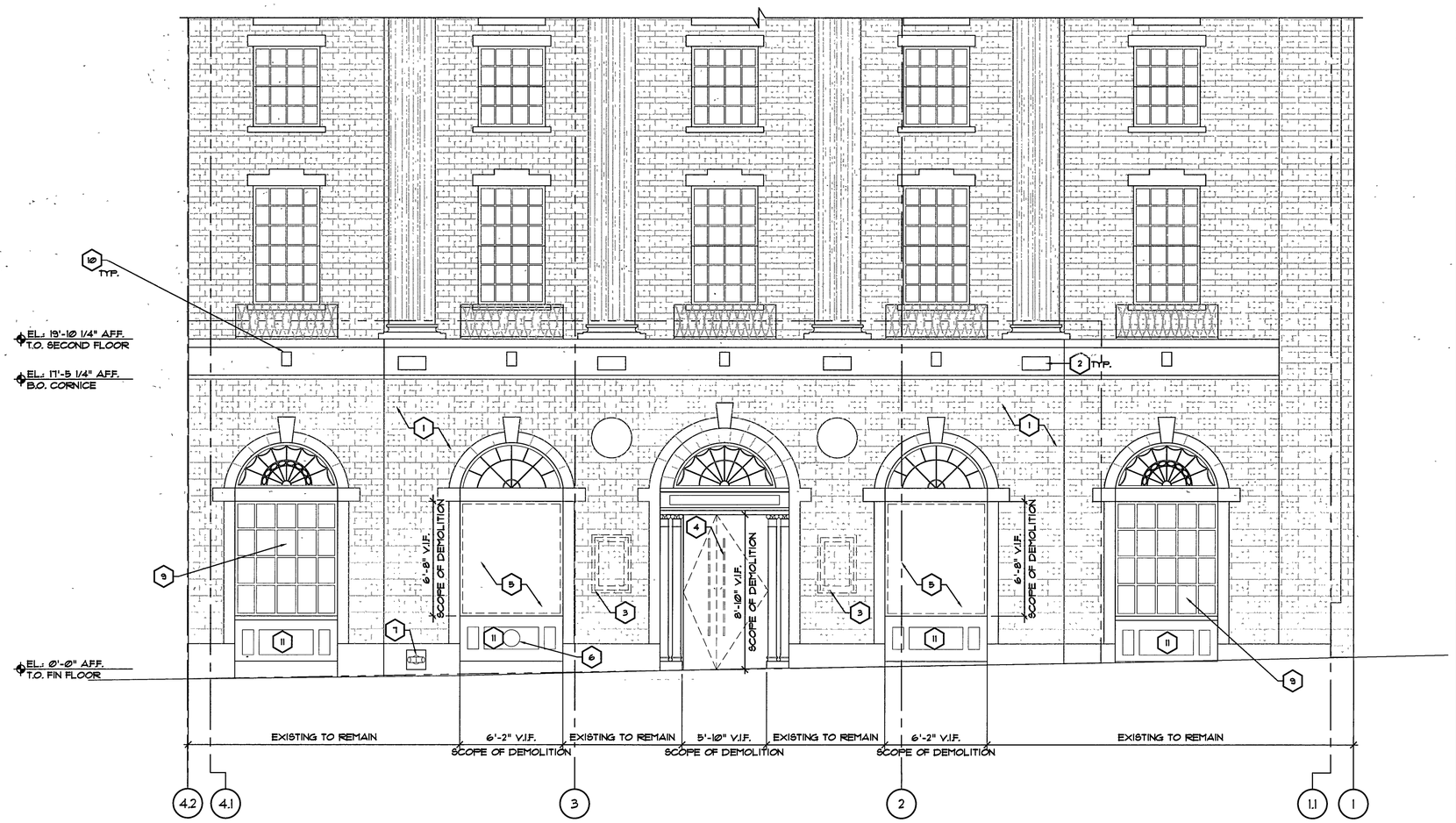
7 EXISTING FIRE DEPARTMENT STANDPIPE TO REMAIN

8 EXISTING CURB TO REMAIN

9 EXISTING WINDOWS TO REMAIN CLEAN & PREPARE FOR NEW PAINT

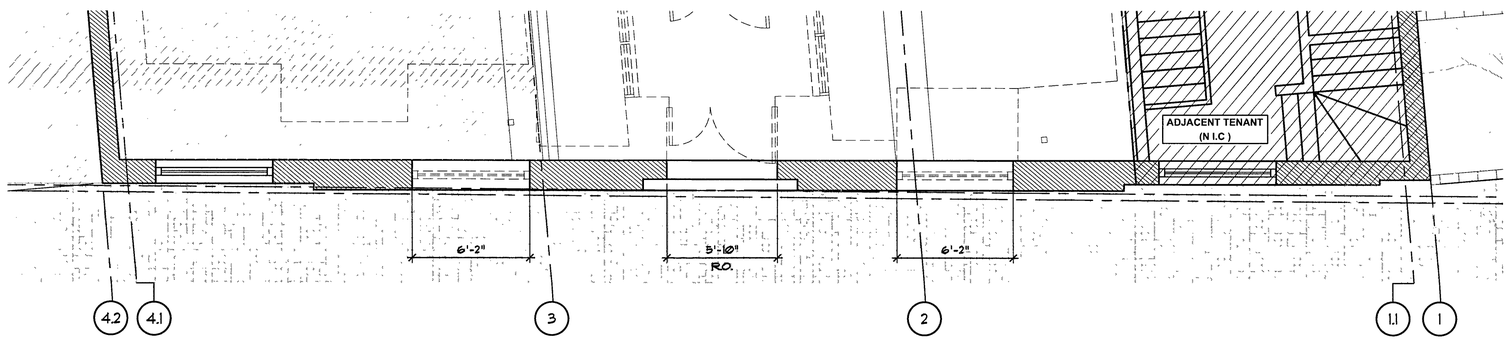
10 EXISTING FLAG HOLDERS TO REMAIN

11 EXISTING WOOD PANELING & TRIM TO REMAIN, CLEAN AND PREPARE FOR NEW PAINT



DEMOLITION ELEVATION

SCALE 1/4"=1'-0"



ENLARGED PLAN

SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH· (864) 232 6642

LICENSED ARCHITECT JEFFREY J. PHILLIPS N.A. No. 2208 STATE OF MAINE 07.21.11

ARCH PROJECT # 1121907
DRAWN BY

PM / HMW / MRE

ISSUE / DATE.

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

REVISION

SHEET TITLE
DEMOLITION
STOREFRONT
ELEVATION

SHEET NO
D300

DEMOLITION PLAN - GENERAL NOTES

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADAAG)
2 G C TO PROVIDE ALL LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO, TEMPORARY LIGHTING BARRICADES, GUARD RAILS AND VENTILATION SYSTEMS AS REQUIRED BY LOCAL, STATE AND FEDERAL JURISDICTIONS
3 G C TO NOTIFY BUILDING FACILITY MANAGEMENT PRIOR TO THE COMMENCEMENT OF WORK, INCLUDING CUTTING, REMOVING, ALTERING, OR SHUTTING OFF ANY MECHANICAL SYSTEMS COORDINATE ALL EFFORTS WITH THE FACILITIES MANAGER REFER TO MECHANICAL/ELECTRICAL PLANS FOR SPECIFIC WORK REQUIREMENTS
4 G C TO COORDINATE WITH LANDLORD RUBBISH REMOVAL PROCEDURES, LOCATION OF TRASH DUMPSTERS, TIME SCHEDULES, ETC DISPOSE OF ALL RUBBISH IN A MANNER COMPLIANT WITH ALL LAWS, REGULATIONS, ETC G C TO ABANDON ANY MECHANICAL OR ELECTRICAL SYSTEMS ALL EQUIPMENT NOT TO BE REUSED IS TO BE REMOVED AND ARRANGE TO IMMEDIATELY REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS
5 G C TO COORDINATE WITH URBAN OUTFITTERS PRIOR TO THE START OF DEMOLITION TO DETERMINE THE SCOPE OF ALL MATERIALS, FINISHES AND SYSTEMS THAT ARE TO BE REUSED
6 G C SHALL MAINTAIN FIRE RATINGS ON ALL INTERIOR COLUMNS AND BEAMS, UNLESS OTHERWISE NOTED (PER REVERIFICATION OF RATING REQUIRED)
7 THE SCOPE OF THE WORK INCLUDES ALL INTERIOR ELEMENTS NECESSARY TO ACCOMMODATE THE NEW WORK THIS INCLUDES, BUT IT NOT LIMITED TO, ALL INDICATED NON-LOAD BEARING INTERIOR AND EXTERIOR WALLS, ALL CEILINGS, ALL FLOOR FINISHES DOWN TO A CLEAN AND LEVEL WORKING SURFACE AND ALL SYSTEMS THAT ARE NOT TO BE REUSED IN THE NEW CONSTRUCTION NO STRUCTURAL ELEMENTS SHALL BE REMOVED WITHOUT URBAN OUTFITTERS AND LANDLORD APPROVAL
8 THE GENERAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THE WORK
9 DURING THE DEMOLITION PHASE THE GENERAL CONTRACTOR SHALL SUPPORT ALL EXISTING STRUCTURES AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT ANY DAMAGE CAUSED BY THE DEMOLITION PROCESS WILL BE CORRECTED BY THE G C AT NO COST TO URBAN OUTFITTERS
10 IF THE DEMOLITION PROCESS RESULTS IN AN UNSAFE WORKING ENVIRONMENT, THE G C IS TO STOP WORK IMMEDIATELY AND NOTIFY THE APPROPRIATE AUTHORITY, URBAN OUTFITTERS AND ARCHITECT PRIOR TO PROCEEDING
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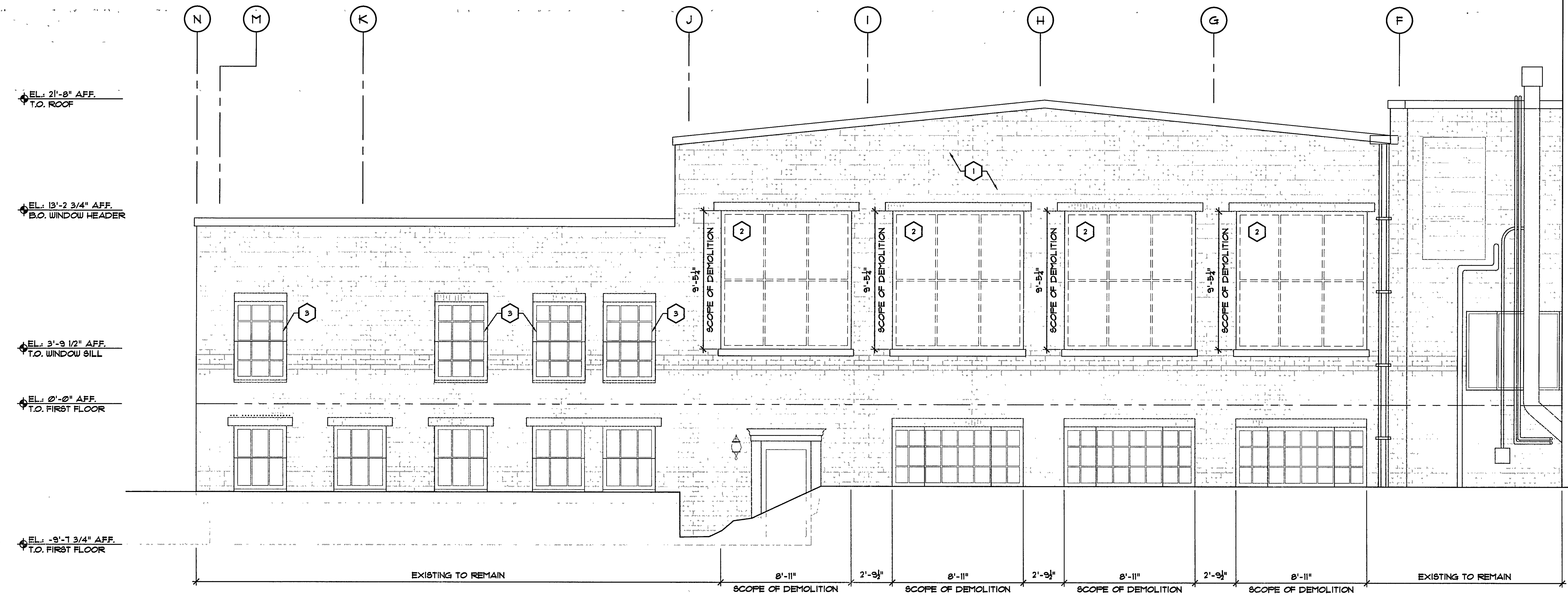
DEMOLITION KEY NOTES

1 EXISTING BRICK WALL TO REMAIN
2 DEMOLISH EXISTING WINDOWS FOR INSTALLATION OF NEW WINDOWS
3 EXISTING WINDOWS TO REMAIN



DEMOLITION ELEVATION
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT
LARRY J. PHILLIPS
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY.
PM

ISSUE / DATE
100% CHECKSET 07-08-11
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ISSUED FOR CONSTRUCTION 07-22-11

REVISION

SHEET TITLE
DEMOLITION ELEVATION

SHEET NO.
D301

1		EXISTING WALL STRUCTURE TO BE REMOVED
2		EXISTING WALL STRUCTURE TO REMAIN
3A		NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
3B		NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
4A		NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, FULL HEIGHT
4B		NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
4C		NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
5		NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
6A		NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS BOTH SIDES, FULL HEIGHT
6B		NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS ONE SIDE, FULL HEIGHT
1A		NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605
1B		NEW 3 5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605

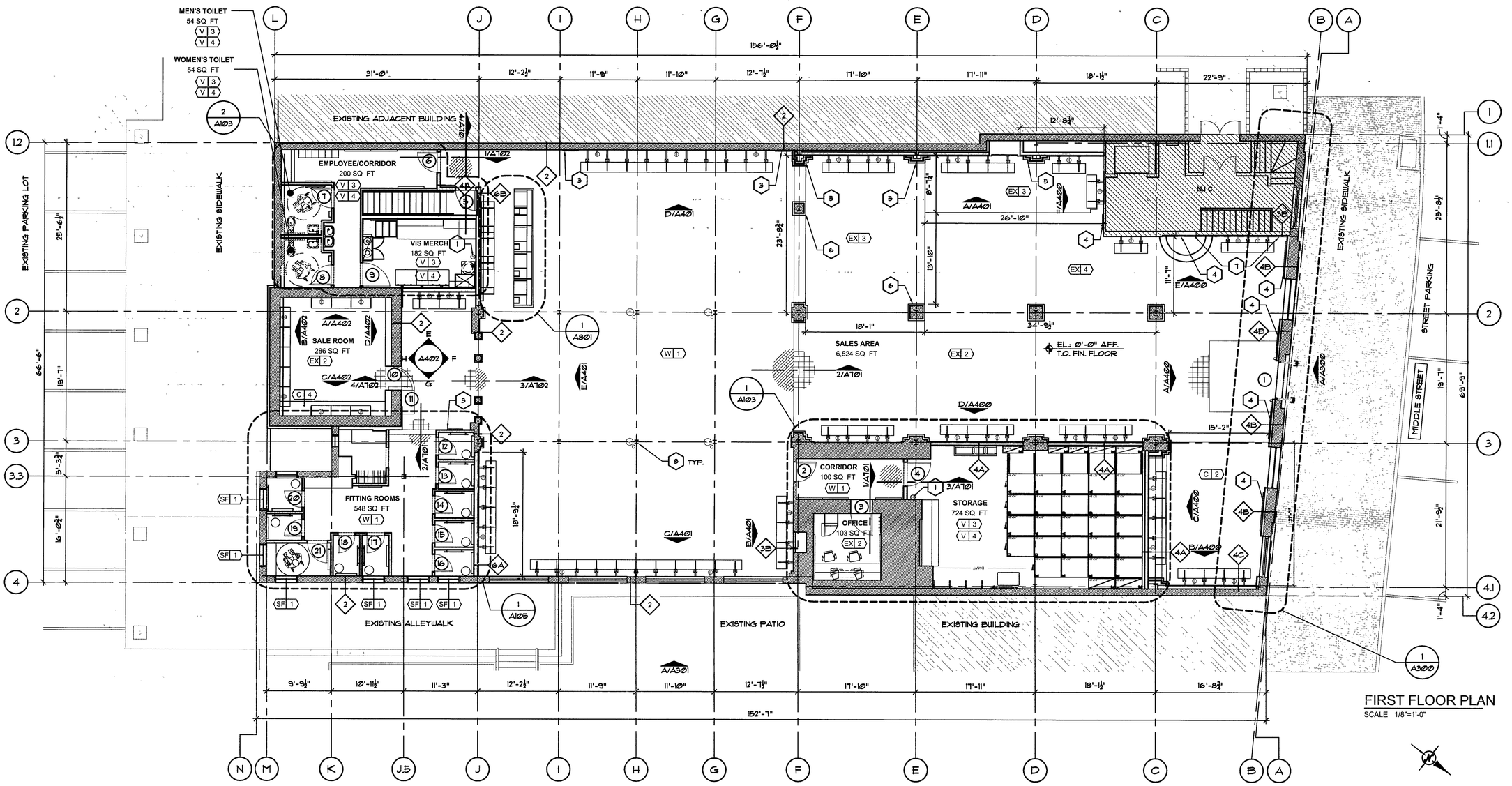
1 ALL DIMENSIONS FROM STUD TO STUD
2 SALES AREA WALLS TO RECEIVE 5/8" F R PLYWOOD FIXTURE BACKING OVER GYP BD WALLS AND UNDER FINAL FINISHES ON SALES SIDE
3 G C TO USE 5/8" MOISTURE RESISTANT GYP BD "GREENBOARD" ON TOILET ROOM WALLS
4 ALL METAL STUDS TO BE 20 GA UNLESS IDENTIFIED OTHERWISE IN STRUCTURAL DRAWINGS REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
5. ABOVE WALL LEGEND IS INTENDED TO PROVIDE "GENERAL" DIRECTION FOR WALL SYSTEM CONSTRUCTION WALL FINISHES MAY BE SUBSTITUTED IN WHOLE OR IN PART FOR 5/8" GYP BD FOR NON-RATED PARTITION WALLS G C TO REFER TO SHEET C102 (FINISH SCHEDULE) & A400 SHEETS (INTERIOR ELEVATIONS) TO DETERMINE FINAL WALL SHEATHING / FINISHES

FLOOR PLAN KEY NOTES

1. PORTABLE FIRE EXTINGUISHER BY G C - COORDINATE EXACT LOCATION & QUANTITY WITH LOCAL FIRE OFFICIAL
2. CHECKPOINT ANTI-THEFT SYSTEM PEDESTALS
3. MIRRORS TO BE SUPPLIED AND INSTALLED BY UOI
4. MIRRORS BY GC
5. SALVAGED WOOD COLUMN WRAPS FROM DEMOLITION TO BE REUSED AT SPECIFIED LOCATIONS
6. INFILL PORTIONS OF MISSING COLUMN WRAP, MATCH EXISTING
7. INFILL EXISTING OPENING TO MATCH ADJACENT WALL AND WALL FINISH SEE INTERIOR ELEVATIONS FOR OPENING SIZE
8. EXISTING I BEAM COLUMNS

FLOOR PLAN-GENERAL NOTES

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION
2. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DUST AND TRAFFIC BARRIERS AND TEMPORARY PARTITIONS AS REQUIRED TO MAINTAIN A SAFE AND CLEAN ENVIRONMENT FOR THE PUBLIC AND EMPLOYEES THROUGH THE DURATION OF PROJECT G C SHALL COORDINATE WITH THE BUILDING OPERATIONS MANAGEMENT
3 GENERAL CONTRACTOR SHALL PERSONALLY SUPERVISE AND DIRECT ALL WORK G C IS RESPONSIBLE FOR ALL CONSTRUCTION AND INSTALLATION METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND FOR COORDINATION OF ALL REQUIRED WORK
4 GENERAL CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS ALL DIMENSIONAL QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT
5 GENERAL CONTRACTOR TO FIELD VERIFY ALL COLUMN TO COLUMN AND DEMISING WALL DIMENSIONS PRIOR TO CONSTRUCTION
6 GENERAL CONTRACTOR TO FIELD VERIFY CLEARANCE HEIGHT BELOW THE LOWEST POINT OF STRUCTURE PRIOR TO CONSTRUCTION
7 ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE CONDITIONED, USED, APPLIED, INSTALLED, CONNECTED, ERECTED, AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS OR INSTRUCTIONS
8 ALL MATERIALS USED IN THIS SPACE MUST BE FREE OF ASBESTOS AND ANY OTHER KNOWN HAZARDOUS MATERIALS
9 ALL EXISTING STRUCTURE AND FINISHES WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED AND DISPOSED OF SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION
10 ALL EXISTING FIRE RATED ASSEMBLIES (INCLUDING PROTECTED COLUMNS) WHICH ARE TO REMAIN SHALL BE PROTECTED FROM DAMAGE TO MAINTAIN FIRE RATING
11 ALL EXISTING FIRE RATED ASSEMBLIES TO BE MAINTAINED ANY DAMAGE DONE TO INTEGRITY OF ASSEMBLY DURING DEMOLITION AND NEW CONSTRUCTION SHALL BE REPAIRED BY G C
12 ALL EXISTING WALLS DESIGNATED TO BE FIRE-RATED WALLS WHICH ARE NOT TIGHT TO DECK ABOVE OR WITH OPENINGS WITHIN AREA OF WORK SHALL BE BROUGHT TIGHT TO DECK ABOVE AND HAVE OPENINGS COMPLETELY FILLED IN.
13 WHERE EVER EXISTING CONDITIONS ARE TO BE CUT OR DISTURBED TO ALLOW INSTALLATION OF NEW WORK, THIS CONSTRUCTION SHALL BE PATCHED TO MATCH THE ORIGINAL CONSTRUCTION METHOD AND FINISH
14 GENERAL CONTRACTOR WILL REPAINT AND/OR REPAIR LANDLORD PROPERTY (BULKHEAD, NEUTRAL PIERS, REAR CORRIDOR, ETC) DAMAGED DURING TENANT IMPROVEMENTS
15 AT ALL EXISTING WALLS, PROVIDE FIRE RETARDANT/ NONCOMBUSTIBLE BLOCKING AS REQ'D WHERE FIXTURES, ACCESSORIES, HARDWARE, CABINET WORK OR OTHER HEAVY OBJECTS ARE TO BE ANCHORED PATCH AND REPAIR EXISTING WALLS AS REQUIRED TO MAINTAIN RATING
15 UNLESS OTHERWISE NOTED, GENERAL CONTRACTOR TO PROVIDE MINIMUM 20 GA METAL STUDS COMPLETE WITH TOP AND BOTTOM TRACKS, NECESSARY FASTENERS, AND ACCESSORIES PER THE MANUFACTURERS RECOMMENDED INSTALLATION GUIDELINES
16 GENERAL CONTRACTOR SHALL COORDINATE BLOCKING REQUIREMENTS FOR ALL PARTITIONS WITH THE SECTION AND DETAIL SHEETS
17 ALL DEMISING WALLS AND PARTITIONS TO BE OF GYPSUM WALL BOARD TYPE 'X' FIRE CODE TAPED AND SEALED AIRTIGHT TO DECK ABOVE
18 ALL FIRE-RATED WALLS, UNLESS NOTED OTHERWISE, SHALL BE CONSTRUCTED FROM FLOOR, TIGHT TO DECK ABOVE
19 RATED PARTITIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFIED UL NUMBER SEAL TIGHT ALL GAPS AND PENETRATIONS WITH FIRE SAFEING MATERIALS WOOD BLOCKING SHALL BE FIRE-RETARDANT IN RATED PARTITIONS
20 ANY/ALL PENETRATIONS THROUGH FIRE RESISTIVE FLOORS, WALLS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS, INSTALLATION METHODS THAT CONFORM TO U L STANDARDS FOR FIRESTOP SYSTEMS THE G C SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE TO THE U L LISTING TO THE ARCHITECT
21 GENERAL CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS, (DUCTS, PIPES, CONDUITS, ETC) AT ALL FIRE-RATED WALLS AND CEILING CONSTRUCTION THE SEALANT SHALL NOT DIMINISH RATING OF SUCH WALLS OR CEILING THE G C SHALL DAM ALL VOIDS AND GAPS AND FILL IN WITH U L APPROVED FIRE-RATED SEALANT OR PUTTY COMPOUND AS PER MANUFACTURER'S RECOMMENDATIONS
22 ALL FLOOR PENETRATIONS MUST BE CORE-BORED, SLEEVED, GROUTED, SEALED AND MADE WATERPROOF AND COMPLY WITH LOCAL JURISDICTIONAL REQ'S SLEEVES MUST EXTEND AT LEAST FOUR INCHES ABOVE FINISHED FLOOR, EXCEPT JUNCTION BOXES
23 FIRE EXTINGUISHERS MUST BE INSTALLED BY G.C START THE PLACEMENT OF FIRE EXTINGUISHER NEAR THE EXTERIOR EXIT DOORS MOUNT THE FIRE EXTINGUISHER IN A VISIBLE AND ACCESSIBLE LOCATION, 36" TO 48" ABOVE THE FINISH FLOOR TO THE HANDLE BUILDINGS WITH MULTIPLE FLOORS MUST HAVE AT LEAST ONE FIRE EXTINGUISHER PER FLOOR LIGHT HAZARD (OFFICES, CLASSROOMS, CHURCHES, ASSEMBLY ROOMS, RESIDENTIAL) OCCUPANCIES REQUIRE "2A10BC" FIRE EXTINGUISHERS THE MAXIMUM COVERAGE AREA IS 5,000 SQ FT PER EXTINGUISHER AND THE MAXIMUM TRAVEL DISTANCE IS 75'
24 REFER TO PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR REMOVAL AND OR ADJUSTMENTS TO EXISTING SYSTEMS
25 G C SHALL EXERCISE CAUTION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITIES OR SPRINKLER LINES WHICH PASS THROUGH TENANT SPACE / ADJACENT TENANT SPACES GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTIONS OR DAMAGE
26 ANY REPAIR TO LANDLORD SYSTEMS MUST BE COMPLETED TO THE SATISFACTION OF THE LANDLORD SPECIFICATIONS



FIRST FLOOR PLAN
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH. (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT JOSEPH P. PHILLIPS JR. NO. 2698 STATE OF MAINE 07.21.11

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REVISION

SHEET TITLE :
FIRST FLOOR PLAN

SHEET NO
A100

NOTE
G C. TO PROVIDE ¾" PLYWOOD BACKING TO WALL FRAMING IN DESIGNATED AREAS SHOWN HATCHED FOR FUTURE FIXTURE ATTACHMENTS SEE DETAILS THROUGHOUT SET FOR OTHER PLYWOOD BACKING.

FLOOR PLAN-GENERAL NOTES

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7 ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE CONDITIONED, USED, APPLIED, INSTALLED, CONNECTED, ERECTED, AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS OR INSTRUCTIONS
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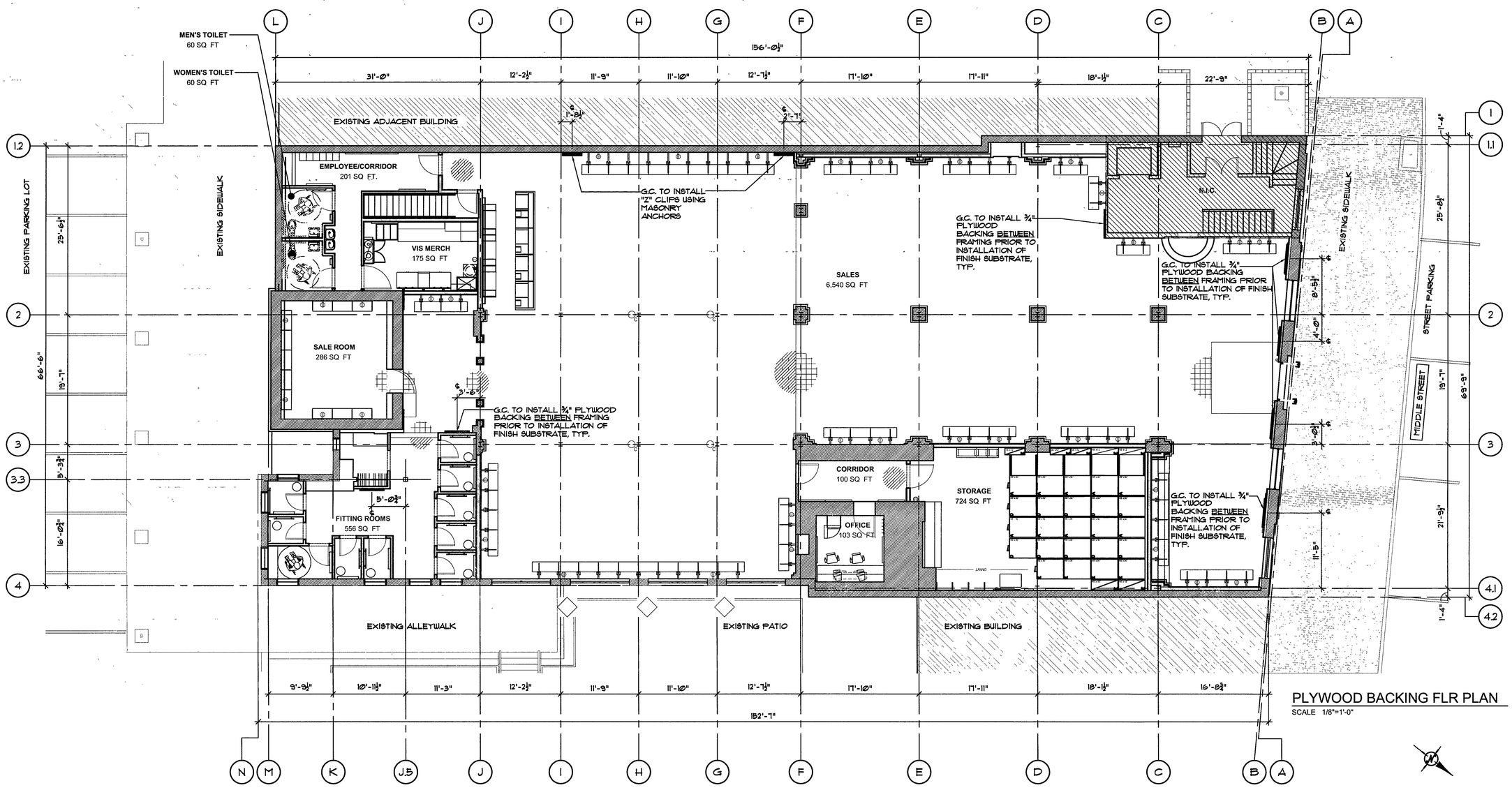
19 RATED PARTITIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFIED UL NUMBER SEAL TIGHT ALL GAPS AND PENETRATIONS WITH FIRE SAFEING MATERIALS WOOD BLOCKING SHALL BE FIRE-RETARDANT IN RATED PARTITIONS
20 ANY/ALL PENETRATIONS THROUGH FIRE RESISTIVE FLOORS, WALLS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS, INSTALLATION METHODS THAT CONFORM TO U L STANDARDS FOR FIRESTOP SYSTEMS THE G C SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE TO THE U L LISTING TO THE ARCHITECT
21 GENERAL CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS, (DUCTS, PIPES, CONDUITS, ETC) AT ALL FIRE-RATED WALLS AND CEILING CONSTRUCTION THE SEALANT SHALL NOT DIMINISH RATING OF SUCH WALLS OR CEILING THE G C SHALL DAM ALL VOIDS AND GAPS AND FILL IN WITH U L APPROVED FIRE-RATED SEALANT OR PUTTY COMPOUND AS PER MANUFACTURER'S RECOMMENDATIONS
22 ALL FLOOR PENETRATIONS MUST BE CORE-BORED, SLEEVED, GROUTED, SEALED AND MADE WATERPROOF AND COMPLY WITH LOCAL JURISDICTIONAL REQ'S SLEEVES MUST EXTEND AT LEAST FOUR INCHES ABOVE FINISHED FLOOR, EXCEPT JUNCTION BOXES
23 FIRE EXTINGUISHERS MUST BE INSTALLED BY G C START THE PLACEMENT OF FIRE EXTINGUISHER NEAR THE EXTERIOR EXIT DOORS MOUNT THE FIRE EXTINGUISHER IN A VISIBLE AND ACCESSIBLE LOCATION, 36" TO 48" ABOVE THE FINISH FLOOR TO THE HANDLE BUILDINGS WITH MULTIPLE FLOORS MUST HAVE AT LEAST ONE FIRE EXTINGUISHER PER FLOOR LIGHT HAZARD (OFFICES, CLASSROOMS, CHURCHES, ASSEMBLY ROOMS, RESIDENTIAL) OCCUPANCIES REQUIRE "2A10BC" FIRE EXTINGUISHERS THE MAXIMUM COVERAGE AREA IS 5,000 SQ FT PER EXTINGUISHER AND THE MAXIMUM TRAVEL DISTANCE IS 75'
24 REFER TO PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR REMOVAL AND OR ADJUSTMENTS TO EXISTING SYSTEMS
25 G C SHALL EXERCISE CAUTION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITIES OR SPRINKLER LINES WHICH PASS THROUGH TENANT SPACE / ADJACENT TENANT SPACES GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTIONS OR DAMAGE
26 ANY REPAIR TO LANDLORD SYSTEMS MUST BE COMPLETED TO THE SATISFACTION OF THE LANDLORD SPECIFICATIONS
27



PLYWOOD BACKING FLR PLAN
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT
GARY J. PHILLIPS JR.
No. 2508
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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PM/DB

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07-22-11

REVISION

SHEET TITLE .
PLYWOOD BACKING FIRST FLOOR PLAN

SHEET NO. .
A100A

WALL LEGEND

1	[wall symbol]	EXISTING WALL STRUCTURE TO BE REMOVED
2	[wall symbol]	EXISTING WALL STRUCTURE TO REMAIN
3A	[wall symbol]	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
3B	[wall symbol]	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
4A	[wall symbol]	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, FULL HEIGHT
4B	[wall symbol]	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
4C	[wall symbol]	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
5	[wall symbol]	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
6A	[wall symbol]	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS BOTH SIDES, FULL HEIGHT
6B	[wall symbol]	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS ONE SIDE, FULL HEIGHT
7A	[wall symbol]	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605
7B	[wall symbol]	NEW 3 5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIG # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605

WALL LEGEND NOTES:

1 ALL DIMENSIONS FROM STUD TO STUD
2 SALES AREA WALLS TO RECEIVE 5/8" F R PLYWOOD FIXTURE BACKING OVER GYP BD WALLS AND UNDER FINAL FINISHES ON SALES SIDE
3 G C TO USE 5/8" MOISTURE RESISTANT GYP BD "GREENBOARD" ON TOILET ROOM WALLS
4 ALL METAL STUDS TO BE 20 GA UNLESS IDENTIFIED OTHERWISE IN STRUCTURAL DRAWINGS REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
5 ABOVE WALL LEGEND IS INTENDED TO PROVIDE "GENERAL" DIRECTION FOR WALL SYSTEM CONSTRUCTION WALL FINISHES MAY BE SUBSTITUTED IN WHOLE OR IN PART FOR 5/8" GYP BD FOR NON-RATED PARTITION WALLS G C TO REFER TO SHEET C102 (FINISH SCHEDULE) & A400 SHEETS (INTERIOR ELEVATIONS) TO DETERMINE FINAL WALL SHEATHING / FINISHES

FLOOR PLAN KEY NOTES

1 REWORK BATHROOMS AS REQUIRED FOR INSTALLATION OF NEW FIXTURES (SEE SHEET A106 FOR ADDITIONAL INFORMATION)

FLOOR PLAN-GENERAL NOTES

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION
2 GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DUST AND TRAFFIC BARRIERS AND TEMPORARY PARTITIONS AS REQUIRED TO MAINTAIN A SAFE AND CLEAN ENVIRONMENT FOR THE PUBLIC AND EMPLOYEES THROUGH THE DURATION OF PROJECT G C SHALL COORDINATE WITH THE BUILDING OPERATIONS MANAGEMENT
3 GENERAL CONTRACTOR SHALL PERSONALLY SUPERVISE AND DIRECT ALL WORK G C IS RESPONSIBLE FOR ALL CONSTRUCTION AND INSTALLATION METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND FOR COORDINATION OF ALL REQUIRED WORK
4 GENERAL CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS ALL DIMENSIONAL QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT
5 GENERAL CONTRACTOR TO FIELD VERIFY ALL COLUMN TO COLUMN AND DEMISING WALL DIMENSIONS PRIOR TO CONSTRUCTION
6 GENERAL CONTRACTOR TO FIELD VERIFY CLEARANCE HEIGHT BELOW THE LOWEST POINT OF STRUCTURE PRIOR TO CONSTRUCTION
7 ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE CONDITIONED, USED, APPLIED, INSTALLED, CONNECTED, ERECTED, AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS OR INSTRUCTIONS
8 ALL MATERIALS USED IN THIS SPACE MUST BE FREE OF ASBESTOS AND ANY OTHER KNOWN HAZARDOUS MATERIALS
9 ALL EXISTING STRUCTURE AND FINISHES WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED AND DISPOSED OF SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION
10 ALL EXISTING FIRE RATED ASSEMBLIES (INCLUDING PROTECTED COLUMNS) WHICH ARE TO REMAIN SHALL BE PROTECTED FROM DAMAGE TO MAINTAIN FIRE RATING
11 ALL EXISTING FIRE RATED ASSEMBLIES TO BE MAINTAINED ANY DAMAGE DONE TO INTEGRITY OF ASSEMBLY DURING DEMOLITION AND NEW CONSTRUCTION SHALL BE REPAIRED BY G C
12 ALL EXISTING WALLS DESIGNATED TO BE FIRE-RATED WALLS WHICH ARE NOT TIGHT TO DECK ABOVE OR WITH OPENINGS WITHIN AREA OF WORK SHALL BE BROUGHT TIGHT TO DECK ABOVE AND HAVE OPENINGS COMPLETELY FILLED IN
13 WHERE EVER EXISTING CONDITIONS ARE TO BE CUT OR DISTURBED TO ALLOW INSTALLATION OF NEW WORK, THIS CONSTRUCTION SHALL BE PATCHED TO MATCH THE ORIGINAL CONSTRUCTION METHOD AND FINISH
14 GENERAL CONTRACTOR WILL REPAINT AND/OR REPAIR LANDLORD PROPERTY (BULKHEAD, NEUTRAL PIERS, REAR CORRIDOR, ETC) DAMAGED DURING TENANT IMPROVEMENTS
15 AT ALL EXISTING WALLS, PROVIDE FIRE RETARDANT/ NONCOMBUSTIBLE BLOCKING AS REQ'D WHERE FIXTURES, ACCESSORIES, HARDWARE, CABINET WORK OR OTHER HEAVY OBJECTS ARE TO BE ANCHORED PATCH AND REPAIR EXISTING WALLS AS REQUIRED TO MAINTAIN RATING
16 UNLESS OTHERWISE NOTED, GENERAL CONTRACTOR TO PROVIDE MINIMUM 20 GA METAL STUDS COMPLETE WITH TOP AND BOTTOM TRACKS, NECESSARY FASTENERS, AND ACCESSORIES PER THE MANUFACTURERS RECOMMENDED INSTALLATION GUIDELINES
17 GENERAL CONTRACTOR SHALL COORDINATE BLOCKING REQUIREMENTS FOR ALL PARTITIONS WITH THE SECTION AND DETAIL SHEETS
18 ALL DEMISING WALLS AND PARTITIONS TO BE OF GYPSUM WALL BOARD TYPE 'X' FIRE CODE TAPED AND SEALED AIRTIGHT TO DECK ABOVE
19 ALL FIRE-RATED WALLS, UNLESS NOTED OTHERWISE, SHALL BE CONSTRUCTED FROM FLOOR, TIGHT TO DECK ABOVE
20 RATED PARTITIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFIED UL NUMBER SEAL TIGHT ALL GAPS AND PENETRATIONS WITH FIRE SAFEING MATERIALS WOOD BLOCKING SHALL BE FIRE-RETARDANT IN RATED PARTITIONS
21 ANY/ALL PENETRATIONS THROUGH FIRE RESISTIVE FLOORS, WALLS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS, INSTALLATION METHODS THAT CONFORM TO U L STANDARDS FOR FIRESTOP SYSTEMS THE G C SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE TO THE U L LISTING TO THE ARCHITECT
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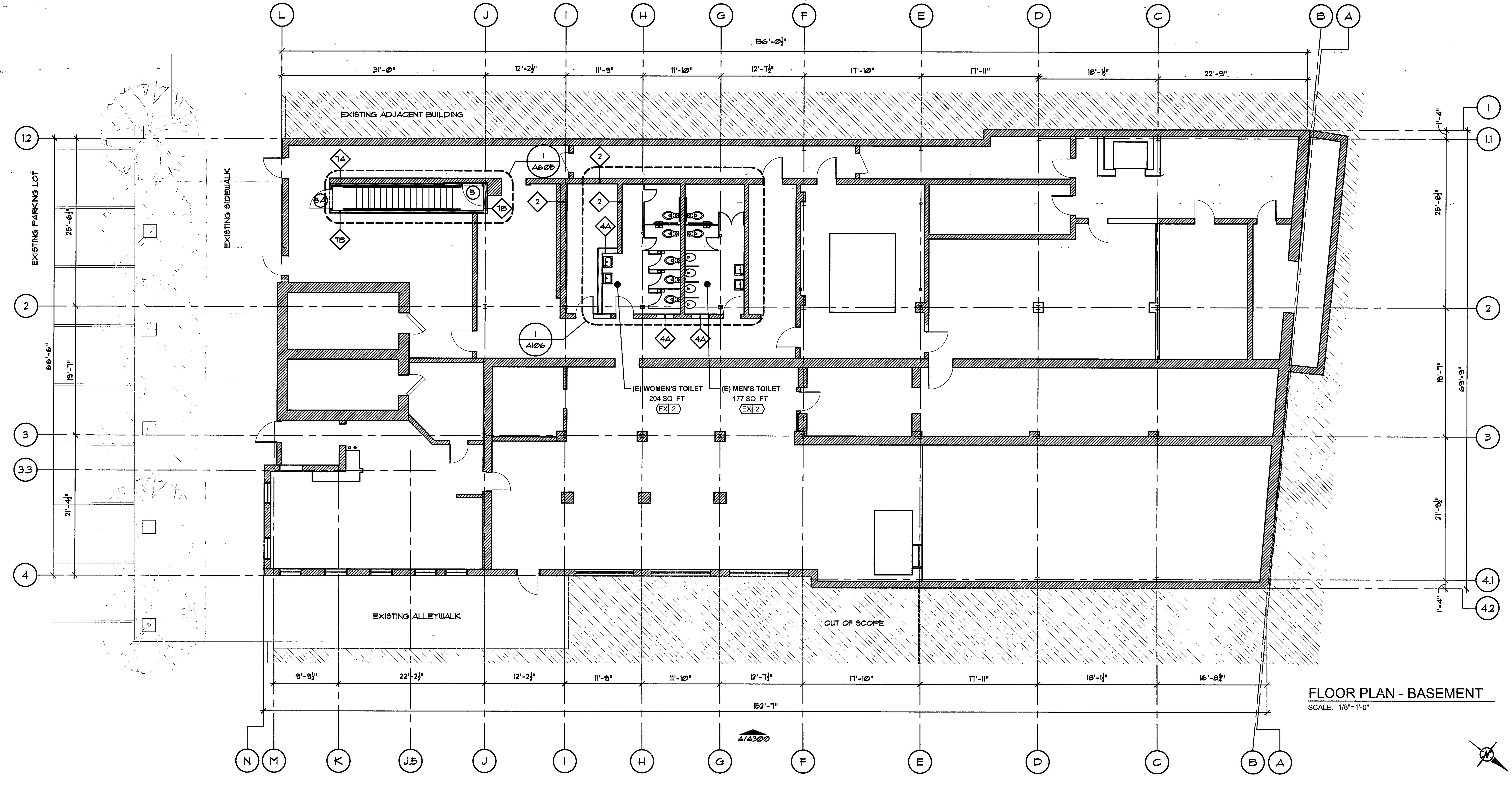
23 ALL FLOOR PENETRATIONS MUST BE CORE-BORED, SLEEVED, GROUTED, SEALED AND MADE WATERPROOF AND COMPLY WITH LOCAL JURISDICTIONAL REQ'S -SLEEVES MUST EXTEND AT LEAST FOUR INCHES ABOVE FINISHED FLOOR, EXCEPT JUNCTION BOXES
24 FIRE EXTINGUISHERS MUST BE INSTALLED BY G C. START THE PLACEMENT OF FIRE EXTINGUISHER NEAR THE EXTERIOR EXIT DOORS MOUNT THE FIRE EXTINGUISHER IN A VISIBLE AND ACCESSIBLE LOCATION, 36" TO 48" ABOVE THE FINISH FLOOR TO THE HANDLE BUILDINGS WITH MULTIPLE FLOORS MUST HAVE AT LEAST ONE FIRE EXTINGUISHER PER FLOOR LIGHT HAZARD (OFFICES, CLASSROOMS, CHURCHES, ASSEMBLY ROOMS, RESIDENTIAL) OCCUPANCIES REQUIRE "2A10BC" FIRE EXTINGUISHERS THE MAXIMUM COVERAGE AREA IS 5,000 SQ FT PER EXTINGUISHER AND THE MAXIMUM TRAVEL DISTANCE IS 75'
25 REFER TO PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR REMOVAL AND OR ADJUSTMENTS TO EXISTING SYSTEMS
26 G C SHALL EXERCISE CAUTION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITIES OR SPRINKLER LINES WHICH PASS THROUGH TENANT SPACE / ADJACENT TENANT SPACES GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTIONS OR DAMAGE
27 ANY REPAIR TO LANDLORD SYSTEMS MUST BE COMPLETED TO THE SATISFACTION OF THE LANDLORD SPECIFICATIONS



FLOOR PLAN - BASEMENT
SCALE. 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT — STATE OF MAINE — 07.21.11

ARCH PROJECT # 1121907
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HM/ PM

ISSUE / DATE

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07-22-11

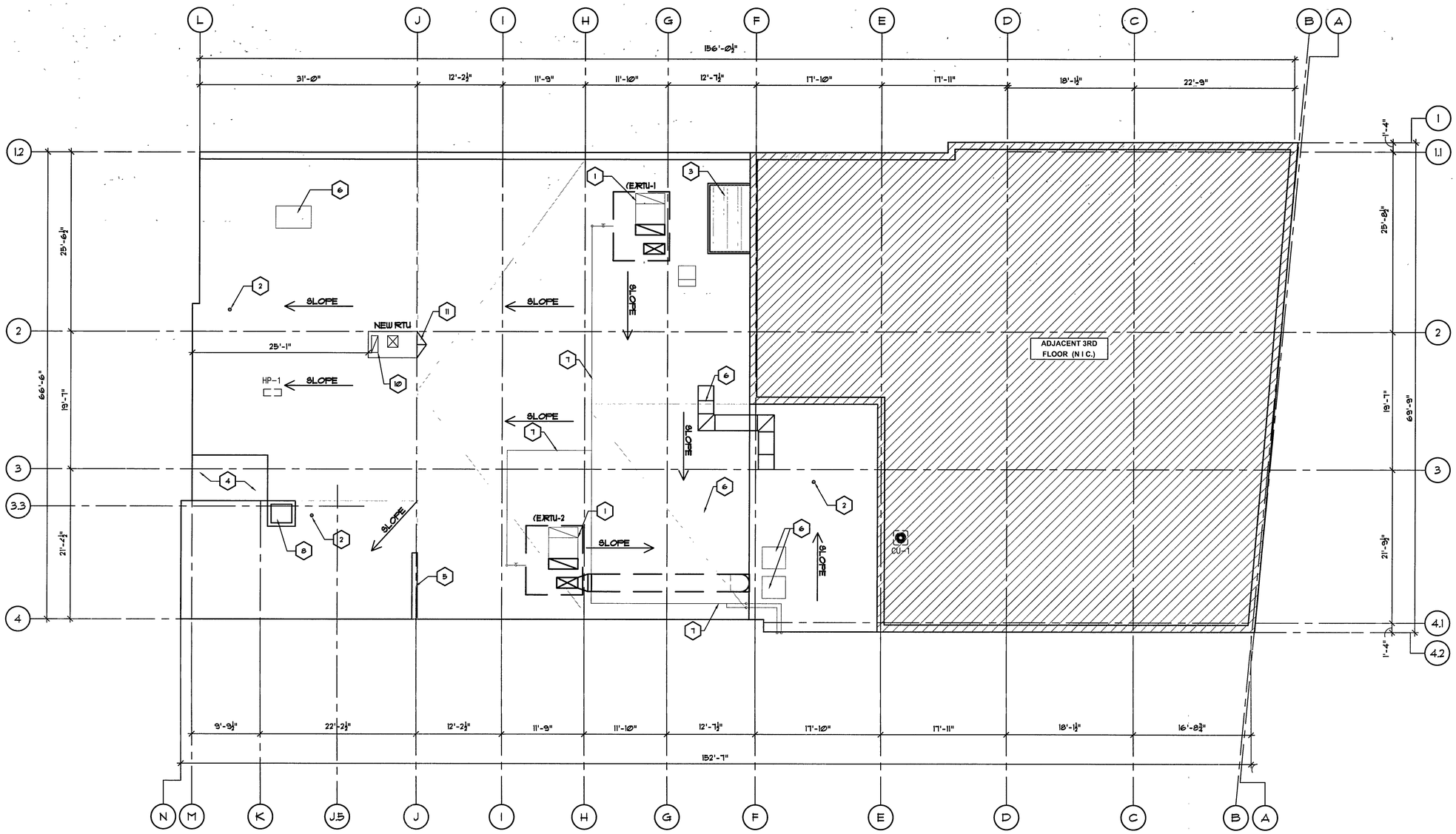
REVISION

SHEET TITLE
BASEMENT FLOOR PLAN

SHEET NO
A101

FLOOR PLAN KEY NOTES

1. EXISTING RTU TO REMAIN
2. EXISTING ROOF DRAIN TO REMAIN
3. EXISTING WOOD DECKING TO REMAIN
4. EXISTING LOWER ROOF TO REMAIN
5. EXISTING BRICK WALL TO REMAIN
6. EXISTING MECHANICAL EQUIPMENT TO REMAIN
7. EXISTING GAS LINES TO REMAIN
8. EXISTING CHIMNEY TO REMAIN
9. EXISTING ROOF PARAPET TO REMAIN
10. NEW RTU - SEE MECHANICAL DRAWINGS
11. NEW CRICKET AT RTU LOCATION, SLOPE AWAY FROM RTU UNIT



ROOF PLAN
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. 2598
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY
PM

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SHEET TITLE
ROOF PLAN

SHEET NO
A102

WALL LEGEND

1	EXISTING WALL STRUCTURE TO BE REMOVED
2	EXISTING WALL STRUCTURE TO REMAIN
3A	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
3B	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
4A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, FULL HEIGHT
4B	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
4C	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
5	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
6A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS BOTH SIDES, FULL HEIGHT
6B	NEW 6" METAL STUDS AT 16" O C, WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS ONE SIDE, FULL HEIGHT
7A	NEW 6" METAL STUDS AT 16" O.C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605
7B	NEW 3 5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605

WALL LEGEND NOTES:

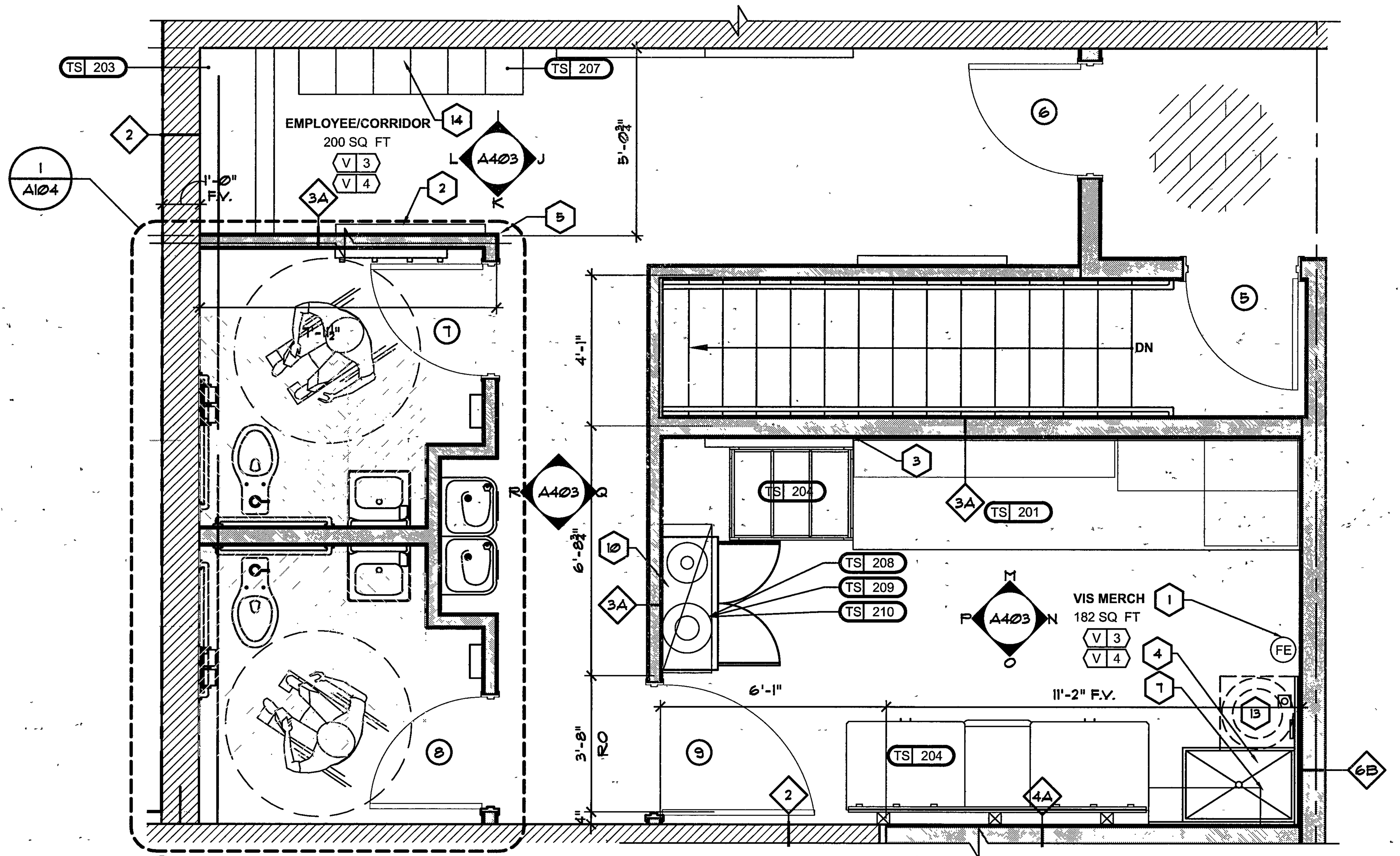
1 ALL DIMENSIONS FROM STUD TO STUD
2 SALES AREA WALLS TO RECEIVE 5/8" F R PLYWOOD FIXTURE BACKING OVER GYP BD WALLS AND UNDER FINAL FINISHES ON SALES SIDE
3 G C TO USE 5/8" MOISTURE RESISTANT GYP BD "GREENBOARD" ON TOILET ROOM WALLS
4 ALL METAL STUDS TO BE 20 GA UNLESS IDENTIFIED OTHERWISE IN STRUCTURAL DRAWINGS REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
5 ABOVE WALL LEGEND IS INTENDED TO PROVIDE "GENERAL" DIRECTION FOR WALL SYSTEM CONSTRUCTION WALL FINISHES MAY BE SUBSTITUTED IN WHOLE OR IN PART FOR 5/8" GYP BD FOR NON-RATED PARTITION WALLS G C TO REFER TO SHEET C102 (FINISH SCHEDULE) & A400 SHEETS (INTERIOR ELEVATIONS) TO DETERMINE FINAL WALL SHEATHING / FINISHES

BACK OF HOUSE - GENERAL NOTES:

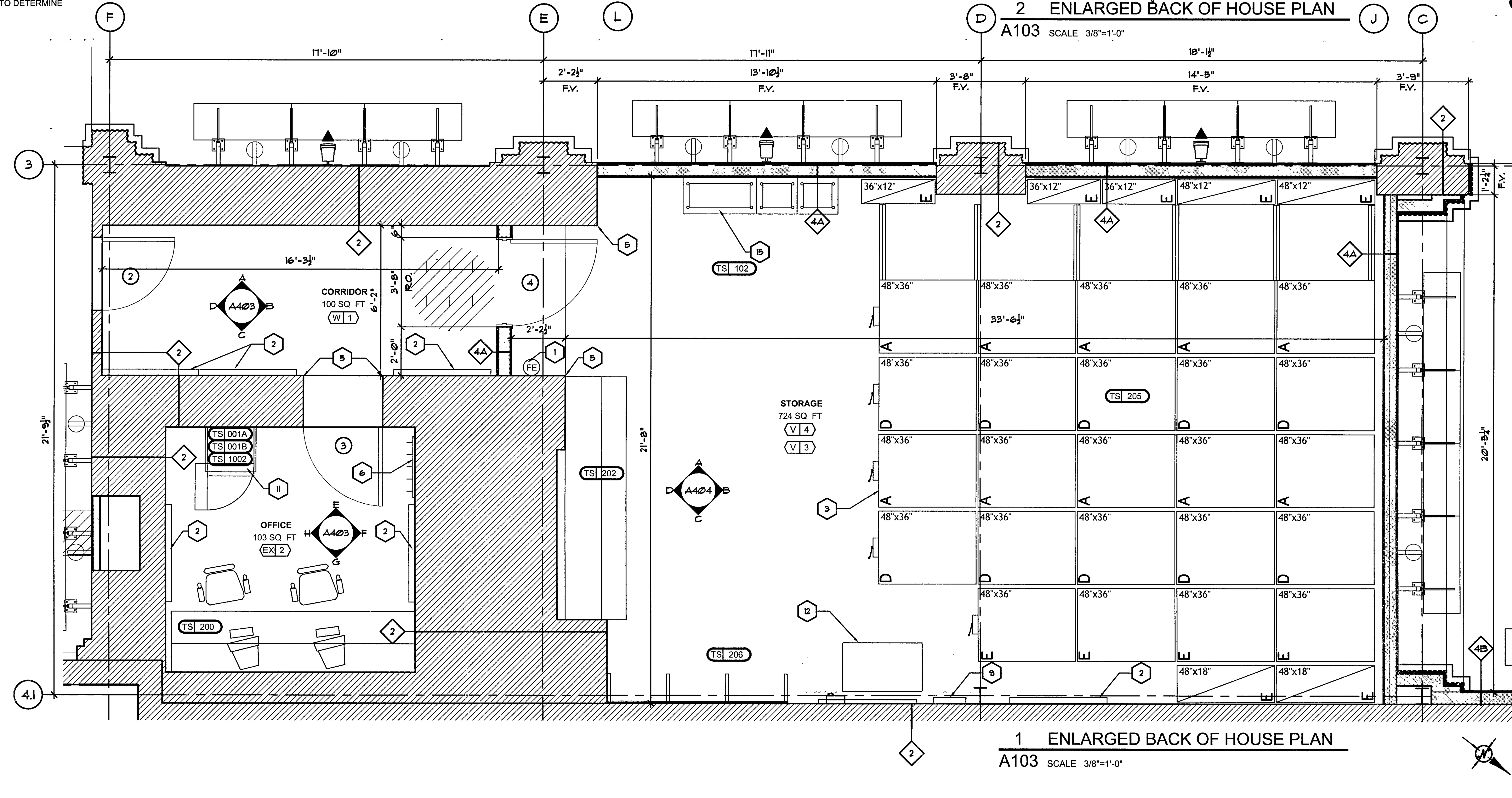
1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADAAG)
2 ALL FINISHES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND NOTES
3 G C TO PROVIDE ALL NECESSARY FIRE RATED / NON-COMBUSTIBLE BLOCKING IN WALLS FOR CASEWORK, SHELVING, EQUIPMENT, PLUMBING ACCESSORIES, ETC AS REQUIRED
4 REFER TO TSM SCHEDULE FOR DESCRIPTION OF TENANT SUPPLIED ITEMS

B.O.H. PLAN KEY NOTES

1 PORTABLE FIRE EXTINGUISHER BY G C - COORDINATE EXACT LOCATION & QUANTITY WITH LOCAL FIRE OFFICIAL
2 4' X 8' HOMASOTE PANEL SUPPLIED & INSTALLED BY G C - G C TO SUPPLY HOMASOTE #440 MFG BY HOMASOTE COMPANY www homasote com
3 4' X 8' PEG BOARD PANEL SUPPLIED & INSTALLED BY G C
4 MOP SINK BY G C
5 G C TO PROVIDE & INSTALL 1-1/2" X 1-1/2" X 48" GALVANIZED CORNER GUARDS FOR ALL OUTSIDE CORNERS IN THE BACK OF HOUSE AREAS
6 1X6 OAK PLANK WITH (5) IVES #571 CHROME COAT HOOKS BY G C G C TO PAINT TO MATCH ADJACENT WALL
7 G C TO PROVIDE & INSTALL (2) 12" X 36" WIRE SHELVES (#60717), (2) ADJUSTABLE WALL 30" STANDARDS (#2801) WITH (4) SHELF BRACKETS (#52853) MANUFACTURED BY CLOSETMAID INDUSTRIES (www closetmaid com) OR APPROVED EQUAL
8 NEW HI-LOW ELECTRIC WATER COOLER BY G C - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
9 4'-0" X 8'-0" PLYWOOD PHONE BD BY G C PHONE SYSTEM BD TO BE MOUNTED TO G C PROVIDED PLYWOOD
10 WALL SHELF BY G C FOR VACUUM AND DUST DEPUTY
11 G C TO FASTEN SAFE TO FLOOR
12 NEW DATA RACK BY U O I
13 NEW WATER HEATER BY G C SEE PLUMBING DRAWINGS
14 G C TO FASTEN EMPLOYEE LOCKERS TO WALL
15 NEW WR CONTROLS BY U O I SEE ELECTRICAL DRAWINGS



2 ENLARGED BACK OF HOUSE PLAN
A103 SCALE 3/8"=1'-0"



1 ENLARGED BACK OF HOUSE PLAN
A103 SCALE 3/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT
LARRY J. PHILLIPS, JR.
STATE OF MAINE
07.21.11

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ISSUE / DATE

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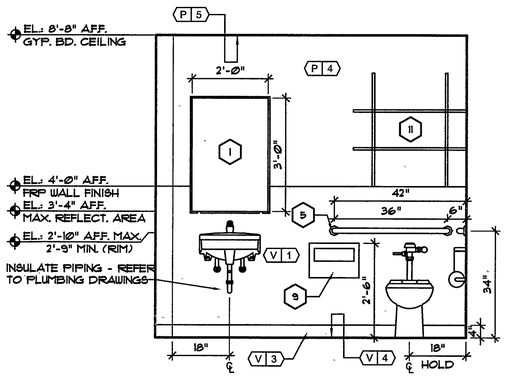
REVISION

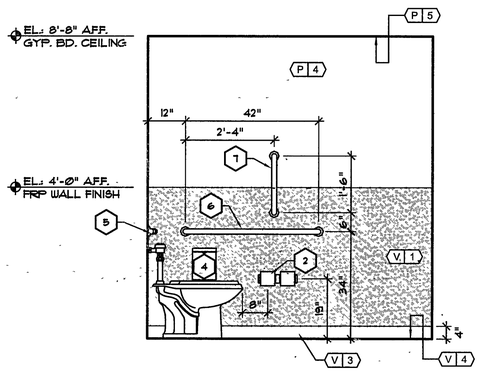
SHEET TITLE
ENLARGED BACK OF HOUSE PLAN

SHEET NO.
A103



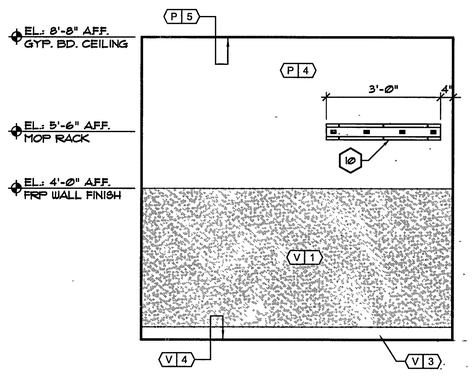
A TYPICAL TOILET ROOM ELEVATION

A104 SCALE 1/2"=1'-0" (FOR ACCESSORY PLACEMENT ONLY)



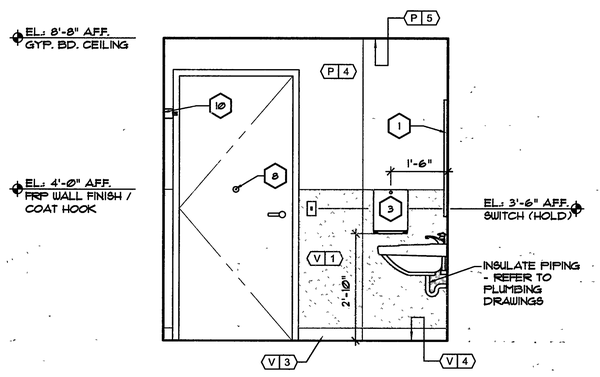
B TYPICAL TOILET ROOM ELEVATION

A104 SCALE 1/2"=1'-0" (FOR ACCESSORY PLACEMENT ONLY)



C TYPICAL TOILET ROOM ELEVATION

A104 SCALE 1/2"=1'-0" (FOR ACCESSORY PLACEMENT ONLY)



D TYPICAL TOILET ROOM ELEVATION

A104 SCALE 1/2"=1'-0" (FOR ACCESSORY PLACEMENT ONLY)

TOILET ROOM GENERAL NOTES:

1 THE TOILET ROOM SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO HANDICAPPED ACCESSIBILITY REGULATIONS

2 ALL TOILET ROOM ACCESSORIES AND FIXTURES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS ALL CONSTRUCTION AND MOUNTING HEIGHTS SHALL COMPLY WITH ALL APPLICABLE CITY, STATE AND FEDERAL ACCESSIBILITY REGULATIONS COORDINATE WITH ARCHITECT FOR ALL QUESTIONABLE MOUNTING HEIGHTS

3 REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND SPECIFICATIONS REGARDING PLUMBING FIXTURES

4 ALL TOILET ROOM FINISHES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS REFER TO FINISH SCHEDULE FOR FINISHES

5 THE PLUMBING CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH LANDLORD'S CRITERIA FOR THIS LOCATION AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA (IF APPLICABLE), WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS

6 CONTRACTOR TO PROVIDE CONCEALED WOOD BLOCKING OR 20 GA METAL BACKING PLATES AT ALL WALL MOUNTED TOILET ROOM ACCESSORIES

7 CAULK ALL BATHROOM FIXTURES AND ACCESSORIES WITH WHITE DAP 50 YEAR PREMIUM ELASTOMERIC LATEX SEALANT

8 G C TO VERIFY THAT WATER CLOSET FLUSH CONTROL HANDLE IS LOCATED ON THE ACCESSIBLE SIDE OF THE TOILET (NOT WALL SIDE)

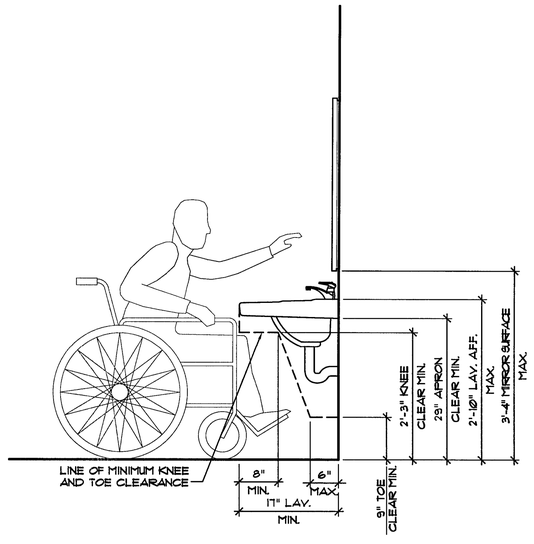
9 PROVIDE LATICRETE #9235 WATERPROOFING & ANTI-FRACTURE MEMBRANE, OR EQUAL, AT BATHROOM FLOORS, INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTINUE WATERPROOFING MEMBRANE A MINIMUM OF 6" AT ALL VERTICAL SURFACES

WALL TYPE TAGS

SEE SHEET A100 FOR WALL DESCRIPTIONS

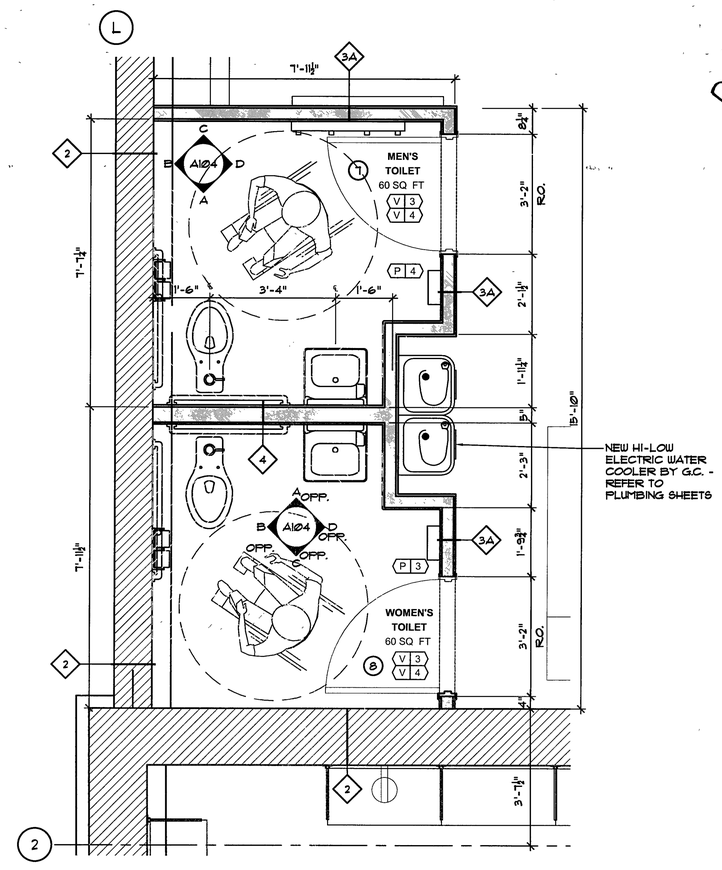
TOILET ACCESSORIES SCHEDULE

	DESCRIPTION	MANUFACTURER / MODEL NO
1	MIRROR	BOBRICK B-165 2436 MIRROR WITH STAINLESS STEEL FRAME
2	TOILET PAPER DISPENSER	BOBRICK B-2740
3	PAPER TOWEL DISPENSER	BOBRICK B-262
4	SANITARY NAPKIN DISPOSAL (WOMEN'S ROOM ONLY)	BOBRICK B-270
5	36" GRAB BAR 1 1/2"	BOBRICK B-6806 X 36 ALL MOUNTING SHALL BE CONCEALED
6	42" GRAB BAR 1 1/2"	BOBRICK B-6806 X 42 ALL MOUNTING SHALL BE CONCEALED
7	18" GRAB BAR 1 1/2"	BOBRICK B-6806 X 18 ALL MOUNTING SHALL BE CONCEALED
8	COAT HOOK	BOBRICK B-2116
9	TOILET SEAT COVER DISPENSER	BOBRICK B-221
10	MOP RACK (MEN'S ROOM ONLY)	BOBRICK B-223 X 36
11	WALL SHELVING	36" WIDE GRAY LAMINATED SHELVES, WALL STANDARDS & BRACKETS PROVIDED BY U O I



2 DETAIL- ADA LAVATORY CLEARANCES

A104 SCALE 1/2"=1'-0"



1 ENLARGED TOILET ROOM PLAN

A104 SCALE 1/2"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT
JERRY J. PHILLIPS, JR.
No. 7498
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY·

DB/ HM / HMW / MRE

ISSUE / DATE

100% CHECKSET
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07-22-11

REVISION

SHEET TITLE
ENLARGED TOILET PLAN/ ELEVATIONS

SHEET NO
A104

WALL LEGEND

1	EXISTING WALL STRUCTURE TO BE REMOVED
2	EXISTING WALL STRUCTURE TO REMAIN
3A	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
3B	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
4A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, FULL HEIGHT
4B	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
4C	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
5	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
6A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS BOTH SIDES, FULL HEIGHT
6B	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS ONE SIDE, FULL HEIGHT
7A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605
7B	NEW 3 5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605

WALL LEGEND NOTES:

1 ALL DIMENSIONS FROM STUD TO STUD

2 SALES AREA WALLS TO RECEIVE 5/8" F R PLYWOOD FIXTURE BACKING OVER GYP BD WALLS AND UNDER FINAL FINISHES ON SALES SIDE

3 G C TO USE 5/8" MOISTURE RESISTANT GYP BD "GREENBOARD" ON TOILET ROOM WALLS

4 ALL METAL STUDS TO BE 20 GA UNLESS IDENTIFIED OTHERWISE IN STRUCTURAL DRAWINGS REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

5 ABOVE WALL LEGEND IS INTENDED TO PROVIDE "GENERAL" DIRECTION FOR WALL SYSTEM CONSTRUCTION WALL FINISHES MAY BE SUBSTITUTED IN WHOLE OR IN PART FOR ⅝" GYP BD FOR NON-RATED PARTITION WALLS G C TO REFER TO SHEET C102 (FINISH SCHEDULE) & A400 SHEETS (INTERIOR ELEVATIONS) TO DETERMINE FINAL WALL SHEATHING / FINISHES

FITTING ROOM - GENERAL NOTES:

1 ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADAAG)

2 ALL CIRCULATION AISLES AND PEDESTRIAN WAYS SHALL BE SIZED ACCORDING TO FUNCTIONAL REQUIREMENTS AND AT LEAST 36" IN CLEAR WIDTH

3 AT LEAST ONE FITTING ROOM OR DRESSING ROOM FOR MALE AND FEMALE CUSTOMERS SHALL BE PROVIDED AT EACH AREA AS FOLLOWS
- a ENTRY DOORS SHALL PROVIDE AT LEAST 32" CLEARANCE AND 18" STRIKE EDGE
- b THE ROOM DIMENSION SHALL BE AT LEAST 60" IN WIDTH AND LENGTH
- c A 24" x 48" BENCH SHALL BE FIXED ALONG THE WALL AT THE 48" DIMENSION AND MOUNTED BETWEEN 17" AND 19"

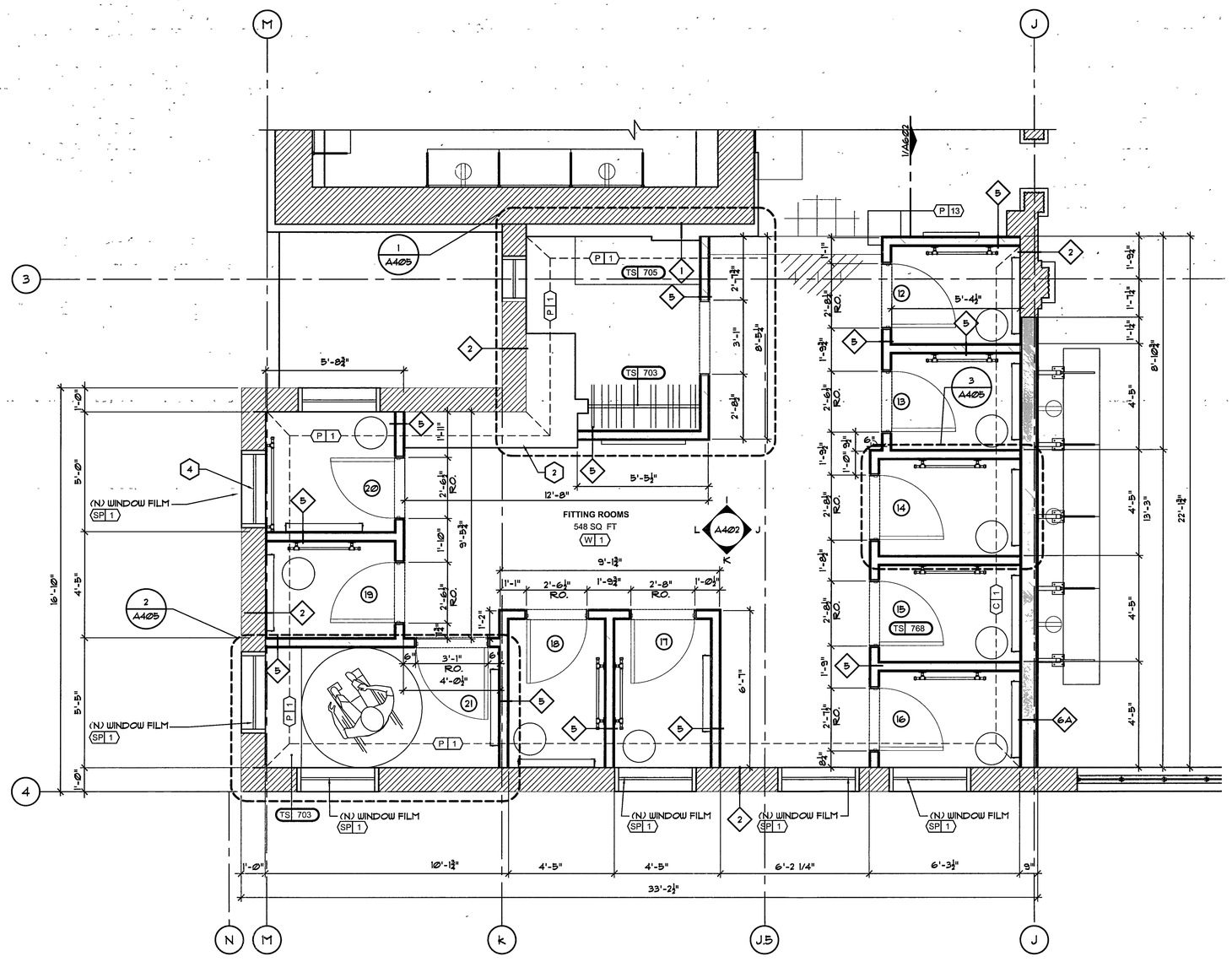
FITTING ROOM PLAN KEY NOTES

1 REFER TO SHEET A405, 3/A600 FOR FITTING ROOM SERVICES CASEWORK DETAILS

2 EXISTING FIREPLACE TO REMAIN

3 PROVIDE WINDOW FILM ON ALL EXISTING EXTERIOR FACING WINDOWS IN FITTING ROOM

4 G C TO FIELD VERIFY EXISTING WINDOW OPENING WIDTH AND ADJUST HANG BAR WIDTH AS REQUIRED TO SPAN WINDOW OPENINGS



1 ENLARGED FITTING ROOM PLAN
A105 SCALE 3/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH. (215) 454.5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
TERRY J. PHILLIPS JR.
No. 12693
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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PM / MRE / HMW

ISSUE / DATE
100% CHECKSET 07-08-11
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ISSUED FOR CONSTRUCTION 07-22-11

REVISION

SHEET TITLE
ENLARGED FITTING ROOM PLAN

SHEET NO
A105

WALL LEGEND

1	EXISTING WALL STRUCTURE TO BE REMOVED
2	EXISTING WALL STRUCTURE TO REMAIN
3A	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
3B	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
4A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, FULL HEIGHT
4B	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
4C	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD ONE SIDE, FULL HEIGHT
5	NEW 3-5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES, PARTIAL HEIGHT- REFER TO INTERIOR ELEVATIONS FOR HEIGHTS - SEE A400 SERIES
6A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD SUBSTRATE AND 3/4" CEMENT BOARD PANELS BOTH SIDES FULL HEIGHT
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7A	NEW 6" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605
7B	NEW 3 5/8" METAL STUDS AT 16" O C WITH 5/8" GYP BD BOTH SIDES (1HR RATED STAIR ENCLOSURE PER UL DESIGN # U419 ASSEMBLY SYSTEMS) PARTIAL HEIGHT- SEE 2/A605

WALL LEGEND NOTES:

1 ALL DIMENSIONS FROM STUD TO STUD

2 SALES AREA WALLS TO RECEIVE 5/8" F R PLYWOOD FIXTURE BACKING OVER GYP BD WALLS AND UNDER FINAL FINISHES ON SALES SIDE

3 G C TO USE 5/8" MOISTURE RESISTANT GYP BD "GREENBOARD" ON TOILET ROOM WALLS

4 ALL METAL STUDS TO BE 20 GA UNLESS IDENTIFIED OTHERWISE IN STRUCTURAL DRAWINGS REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

5 ABOVE WALL LEGEND IS INTENDED TO PROVIDE "GENERAL" DIRECTION FOR WALL SYSTEM CONSTRUCTION WALL FINISHES MAY BE SUBSTITUTED IN WHOLE OR IN PART FOR ⅝" GYP. BD FOR NON-RATED PARTITION WALLS G C TO REFER TO SHEET C102 (FINISH SCHEDULE) & A400 SHEETS (INTERIOR ELEVATIONS) TO DETERMINE FINAL WALL SHEATHING / FINISHES

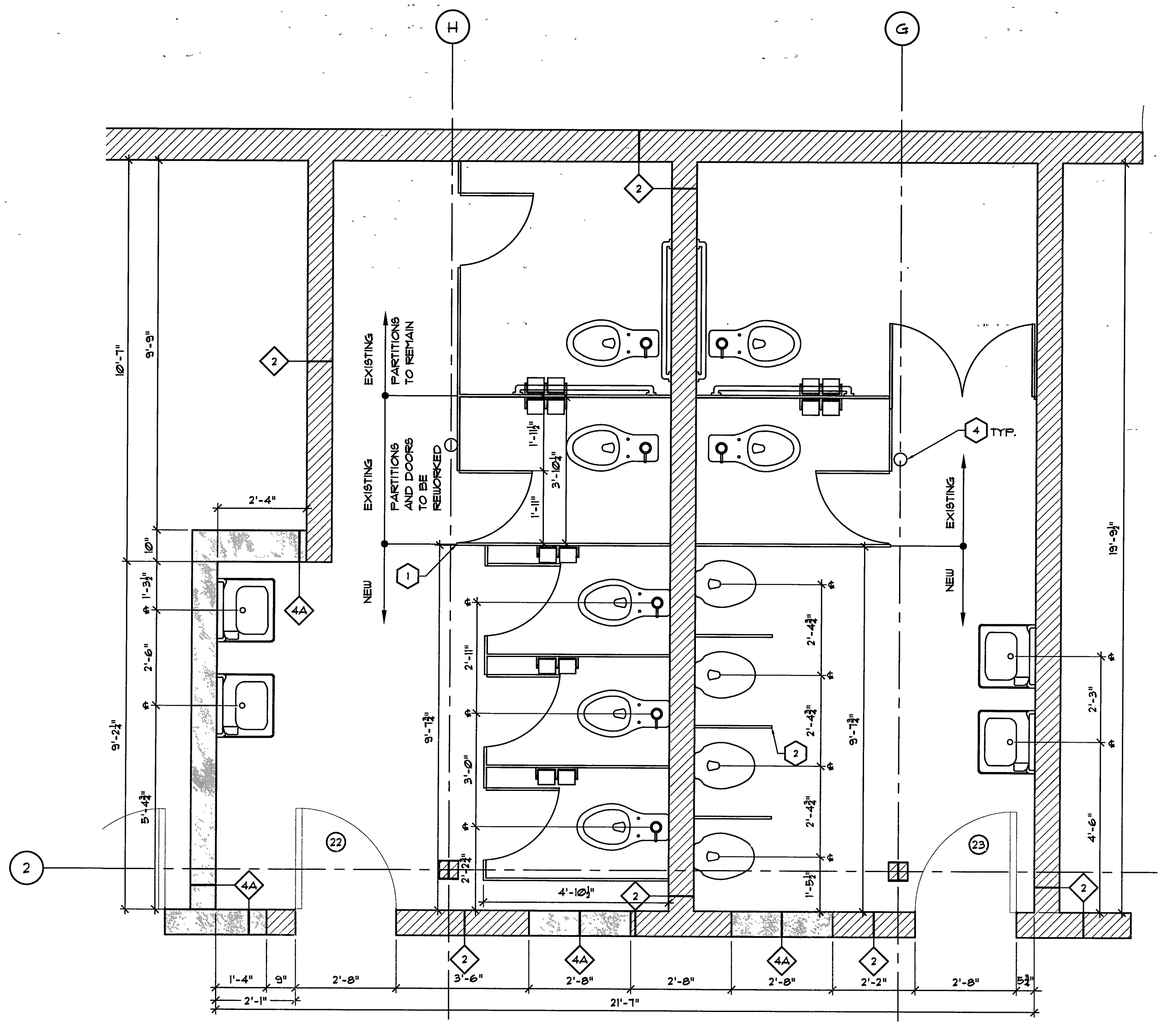
FLOOR PLAN KEY NOTES

1 NEW PARTITION AND DOORS TO MATCH EXISTING REUSE AVAILABLE FIXTURES FROM 1ST FLOOR BATHROOM

2 NEW PARTITIONS TO MATCH EXISTING

3 REUSE TOILETS AND FIXTURES FROM 1ST FLOOR BATHROOM - SEE PLUMBING DRAWINGS

4 EXISTING COLUMN TO REMAIN



FLOOR PLAN - BASEMENT

SCALE 1/2"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT
JERRY J. PHILLIPS, JR.
No. 1998
STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
DRAWN BY
DB/HSW/MRE

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07-22-11

REVISION

SHEET TITLE .
ENLARGE TOILET ROOM PLAN/ BASEMENT

SHEET NO
A106

LIGHT FIXTURE LEGEND

TYPE	DESCRIPTION	MTG
A17	COMPACT FLUORESCENT OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	REC
B1	LINEAR FLUORESCENT COVE SYSTEM PROVIDE A CONTINUOUS STAGGERED PATTERN OF 1-LAMP FIXTURES IN ARCHITECTURAL COVE STAGGER OVERLAP BETWEEN ROWS SHALL BE MINIMUM 6 INCHES DISTANCE BETWEEN LAST FIXTURE AND END OF COVE SHALL BE MAXIMUM 6 INCHES PROVIDE QUANTITY OF 4-FOOT AND/OR 3-FOOT 1-LAMP CHANNELS AS REQUIRED FOR LIGHT ALONG FULL LENGTH OF COVE CHANNEL SHALL BE MAXIMUM 2 75 INCHES WIDE X 3 INCHES HIGH INCLUDING LAMP, PROVIDE TANDEM-WIRED 2-LAMP AND 4-LAMP ELECTRONIC BALLASTS	COVE
D1	INDUSTRIAL FLUORESCENT CHANNEL, NOMINAL 48 INCH LONG x 1 5 INCHES WIDE x 2 ⅜ INCHES HIGH INCLUDING LAMP, ELECTRONIC BALLAST REFERENCE DETAIL LSK 20110620E FOR MOUNTING SPECIFICS,	SURF
C	4' SURFACE MOUNTED LINEAR T8 FLUORESCENT CHANNEL, INTEGRAL ELECTRONIC BALLAST, TUBE COVER	SURF
CP	PENDANT MOUNTED 4' FLUORESCENT T8 STRIP LIGHT, NO REFLECTORS, WITH ELECTRONIC BALLAST AND TUBE COVER	PEND
F1	METAL HALIDE LOWBAY PENDANT LUMINAIRE, NOMINAL 16 INCH DIAMETER x 14 INCH HIGH CAST ALUMINUM HOUSING, GALVANIZED FINISH FOR HOUSING AND MOUNTING, LUMINAIRE TO BE MOUNTED FROM CANOPY CONTAINING BALLAST WITH STEM OF SUFFICIENT LENGTH THAT BOTTOM OF FIXTURE IS 13'-0" ABOVE FINISHED FLOOR	PEND
H1	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, SPOT OPTIC AND CROSS-BLADE BAFFLE, UNFINISHED SO AS TO PROVIDE INDIUSTRIAL/MILLED APPEARANCE CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION	TRACK
H1A	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, FLOOD OPTIC AND LINEAR SPREAD LENS, UNFINISHED SO AS TO PROVIDE INDIUSTRIAL/MILLED APPEARANCE CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION	TRACK
H2	SAME AS FIXTURE TYPE H1, EXCEPT FOR FLOOD OPTIC AND LAMPING	TRACK
H2A	SAME AS FIXTURE TYPE H1A, EXCEPT FOR FLOOD OPTIC AND LAMPING	TRACK
H3	SAME AS FIXTURE TYPE H1, EXCEPT FOR NARROW FLOOD OPTIC AND LAMPING	TRACK
K2	METAL HALIDE OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	REC
R1	LINEAR LIGHT EMITTING DIODE (LED), 88 INCH WIDE X 78 INCH TALL, LENGTHS AS REQUIRED TO PROVIDE CONTINUOUS ILLUMINATION OF EXTERIOR SIGNAGE, FIXTURE TO DISPLAY 30 DEGREE BEAM SPREAD AND BE POPULATED WITH 3000 KELVIN LEDS, MOUNTING TO BE FIXED, ETL LISTED FOR WET LOCATIONS	SURF
T1	EXTRUDED ALUMINUM TRACK, PROVIDE LENGTH AS SHOWN ON DRAWINGS, PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM REFERENCE DETAIL LSK 20110614A FOR MOUNTING SPECIFICS	SUSP
T2	SAME AS T1 EXCEPT FOR MOUNTING CONDITION REFERENCE DETAIL LSK 20110614B FOR MOUNTING SPECIFICS	SUSP
T3	SAME AS T1 EXCEPT SURFACE MOUNTED TO FINISHED CEILING	SURF
T4	SAME AS T1 EXCEPT FOR MOUNTING CONDITION REFERENCE DETAIL LSK 20110614C FOR MOUNTING SPECIFICS	SURF
EMW	WALL MTD EMERGENCY LIGHT WITH TWO HEADS, 90 MIN BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT	SURF
EMW	PENDANT MTD EMERGENCY LIGHT WITH TWO HEADS, 90 MIN BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT	PEND
EXP	SURFACE WALL MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT	SURF
EXW	PENDANT MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT EC TO "SNAP" OUT ARROWS AS INDICATED ON LIGHTING PLAN	PEND
	PENDANT MOUNTED LIGHTS ABOVE THE CASHWRAP (3 IN NUMBERS) SUPPLIED BY UOI	

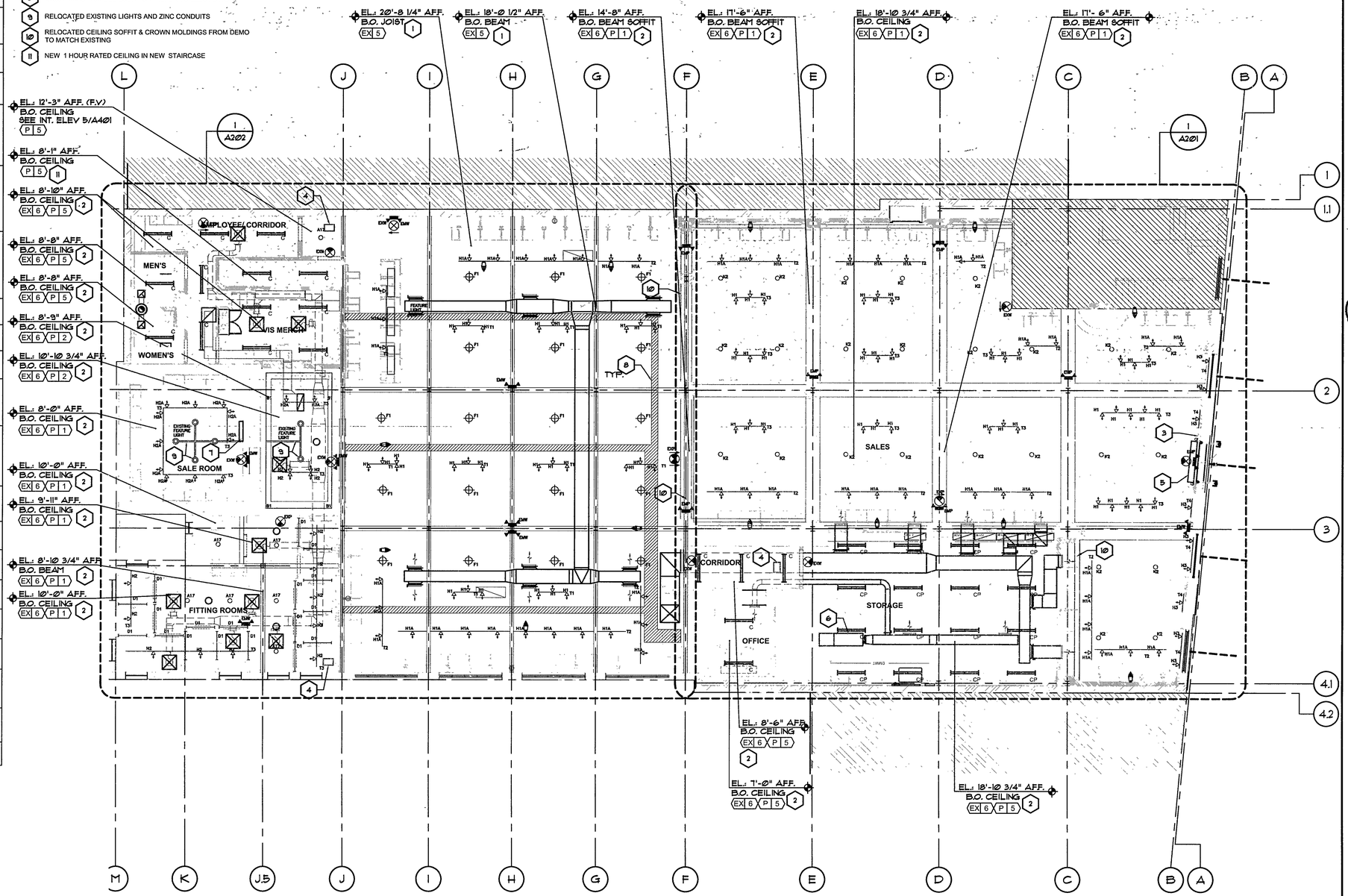
CEILING LEGEND

TYPE	DESCRIPTION
C	CEILING DUPLEX - REFER TO ELECTRICAL DRAWINGS
	QUADPLEX OUTLET MOUNTED ON WALLS - REFER TO ELECTRICAL DRAWINGS
	PENDANT & WALL MOUNTED SPEAKERS - REFER TO VENDOR SUPPLIED DRAWINGS
	SURFACE MOUNTED SPEAKERS - REFER TO VENDOR SUPPLIED DRAWINGS
	SURFACE MOUNTED SPEAKER - REFER TO VENDOR SUPPLIED DRAWINGS
	EXISTING LIGHTING AND ZINC PLATE RELOCATED IN SALES ROOM & AS SHOWN IN PLANS

CEILING PLAN KEY NOTES

1. G C TO EXPOSE EXISTING CEILING STRUCTURE AND REPAIR/CLEAN AS REQUIRED PER EX 5
2. EXISTING CEILING TO REMAIN PATCH, REPAIR AND PAINT AS SHOWN EX 6
3. CHECKPOINT ANTI-THEFT SYSTEM CONTROL PANEL ABOVE CEILING WITHIN 30 LINEAR FEET OF FLOOR PADS- G C TO PROVIDE WALL ACCESS PANEL IN VERTICAL SOFFIT ABOVE WOOD CEILING
4. (E) CEILING ACESS PANEL
5. AIR CURTAIN MOUNTED ABOVE FRONT DOOR SEE MECHANICAL DRAWINGS
6. AIR HANDLING UNIT SUSPENDED FROM FLOOR REFER TO MECHANICAL & STRUCTURAL DRAWINGS
7. SPLIT SYSTEM SUSPENDED FROM WALL REFER TO MECHANICAL & STRUCTURAL DRAWINGS
8. ELECTRICAL TRAPEZE LOCATION- REFER TO ELECT DWGS.
9. RELOCATED EXISTING LIGHTS AND ZINC CONDUITS
10. RELOCATED CEILING SOFFIT & CROWN MOLDINGS FROM DEMO TO MATCH EXISTING
11. NEW 1 HOUR RATED CEILING IN NEW STAIRCASE

NOTE:
REFER TO SHEETS A201 AND A202 FOR FULLY DIMENSIONED CEILING PLANS



REFLECTED CEILING PLAN
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

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JEFFREY PHILLIPS, JR.
No. 5198
STATE OF MAINE
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SHEET TITLE
REFLECTED CEILING PLAN

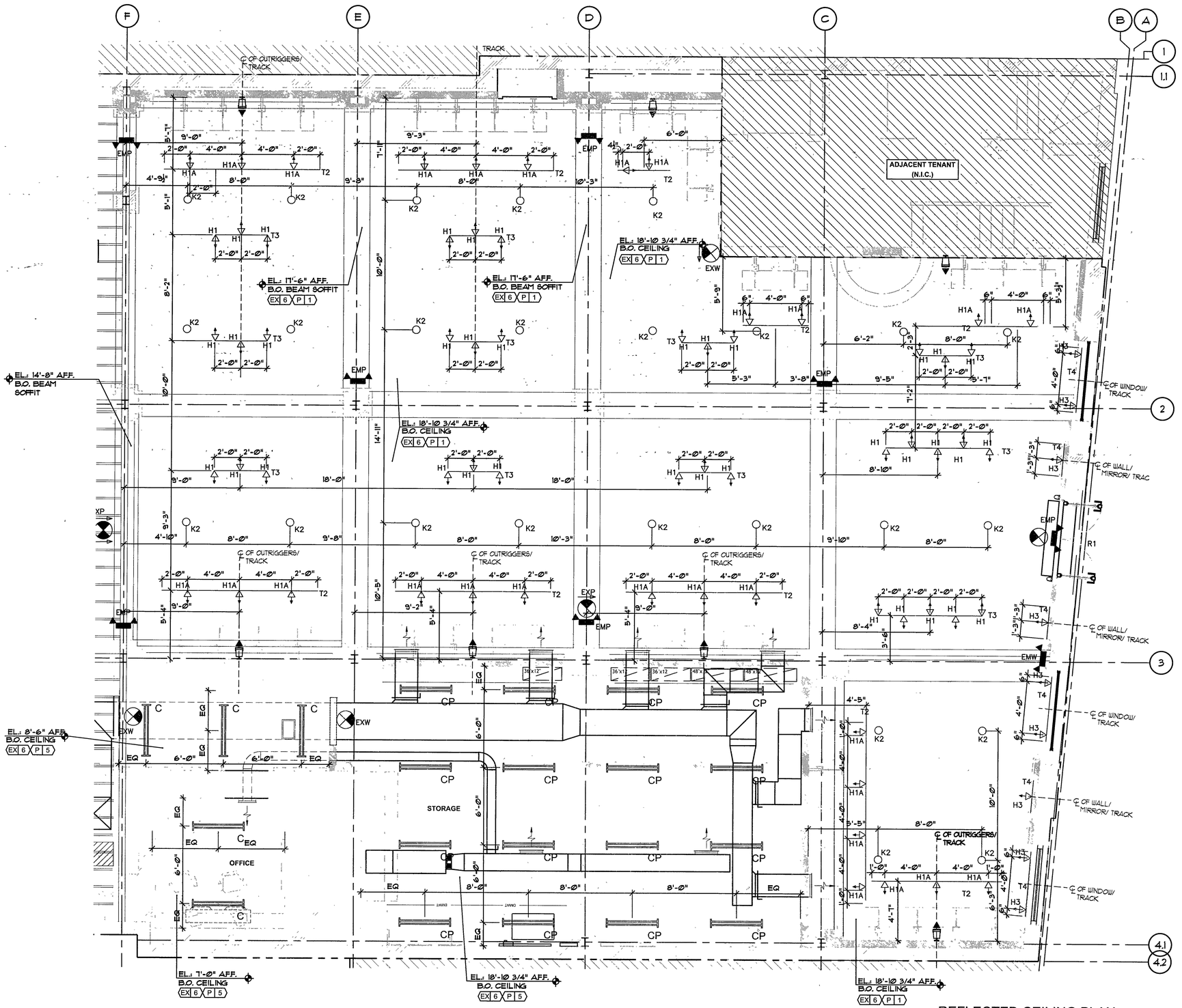
SHEET NO
A200

LIGHT FIXTURE LEGEND

TYPE	DESCRIPTION	MTG
A17	COMPACT FLUORESCENT OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 6 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	REC
B1	LINEAR FLUORESCENT COVE SYSTEM PROVIDE A CONTINUOUS STAGGERED PATTERN OF 1-LAMP FIXTURES IN ARCHITECTURAL COVE STAGGER OVERLAP BETWEEN ROWS SHALL BE MINIMUM 6 INCHES DISTANCE BETWEEN LAST FIXTURE AND END OF COVE SHALL BE MAXIMUM 6 INCHES PROVIDE QUANTITY OF 4-FOOT AND/OR 3-FOOT 1-LAMP CHANNELS AS REQUIRED FOR LIGHT ALONG FULL LENGTH OF COVE CHANNEL SHALL BE MAXIMUM 2 75 INCHES WIDE X 3 INCHES HIGH INCLUDING LAMP, PROVIDE TANDEM-WIRED 2-LAMP AND 4-LAMP ELECTRONIC BALLASTS	COVE
D1	INDUSTRIAL FLUORESCENT CHANNEL, NOMINAL 48 INCH LONG x 1 5 INCHES WIDE x 2 ⅝ INCHES HIGH INCLUDING LAMP, ELECTRONIC BALLAST REFERENCE DETAIL LSK 20110620E FOR MOUNTING SPECIFICS,	SURF
C	4' SURFACE MOUNTED LINEAR T8 FLUORESCENT CHANNEL, INTEGRAL ELECTRONIC BALLAST, TUBE COVER	SURF
CP	PENDANT MOUNTED 4' FLUORESCENT T8 STRIP LIGHT, NO REFLECTORS, WITH ELECTRONIC BALLAST AND TUBE COVER	PEND
F1	METAL HALIDE LOWBAY PENDANT LUMINAIRE, NOMINAL 16 INCH DIAMETER x 14 INCH HIGH CAST ALUMINUM HOUSING, GALVANIZED FINISH FOR HOUSING AND MOUNTING, LUMINAIRE TO BE MOUNTED FROM CANOPY CONTAINING BALLAST WITH STEM OF SUFFICIENT LENGTH THAT BOTTOM OF FIXTURE IS 13'-0" ABOVE FINISHED FLOOR	PEND
H1	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, SPOT OPTIC AND CROSS-BLADE BAFFLE, UNFINISHED SO AS TO PROVIDE INDUSTRIAL/MILLED APPEARANCE CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION	TRACK
H1A	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, FLOOD OPTIC AND LINEAR SPREAD LENS, UNFINISHED SO AS TO PROVIDE INDUSTRIAL/MILLED APPEARANCE CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION	TRACK
H2	SAME AS FIXTURE TYPE H1, EXCEPT FOR FLOOD OPTIC AND LAMPING	TRACK
H2A	SAME AS FIXTURE TYPE H1A, EXCEPT FOR FLOOD OPTIC AND LAMPING	TRACK
H3	SAME AS FIXTURE TYPE H1, EXCEPT FOR NARROW FLOOD OPTIC AND LAMPING	TRACK
K2	METAL HALIDE OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	REC
R1	LINEAR LIGHT EMITTING DIODE (LED), 88 INCH WIDE X 78 INCH TALL, LENGTHS AS REQUIRED TO PROVIDE CONTINUOUS ILLUMINATION OF EXTERIOR SIGNAGE, FIXTURE TO DISPLAY 30 DEGREE BEAM SPREAD AND BE POPULATED WITH 3000 KELVIN LEDS, MOUNTING TO BE FIXED, ETL LISTED FOR WET LOCATIONS	SURF
T1	EXTRUDED ALUMINUM TRACK, PROVIDE LENGTH AS SHOWN ON DRAWINGS, PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM REFERENCE DETAIL LSK 20110614A FOR MOUNTING SPECIFICS	SUSP
T2	SAME AS T1 EXCEPT FOR MOUNTING CONDITION REFERENCE DETAIL LSK 20110614B FOR MOUNTING SPECIFICS	SUSP
T3	SAME AS T1 EXCEPT SURFACE MOUNTED TO FINISHED CEILING	SURF
T4	SAME AS T1 EXCEPT FOR MOUNTING CONDITION REFERENCE DETAIL LSK 20110614C FOR MOUNTING SPECIFICS	SURF
EMW	WALL MTD EMERGENCY LIGHT WITH TWO HEADS, 90 MIN BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT	SURF
EMW	PENDANT MTD EMERGENCY LIGHT WITH TWO HEADS, 90 MIN BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT	PEND
EXP	SURFACE WALL MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT	SURF
EXW	PENDANT MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT EC TO "SNAP" OUT ARROWS AS INDICATED ON LIGHTING PLAN	PEND
	PENDANT MOUNTED LIGHTS ABOVE THE CASHWRAP (3 IN NUMBERS) SUPPLIED BY UOI	

CEILING LEGEND

TYPE	DESCRIPTION
C	CEILING DUPLEX - REFER TO ELECTRICAL DRAWINGS
	QUADPLEX OUTLET MOUNTED ON WALLS - REFER TO ELECTRICAL DRAWINGS
	PENDANT & WALL MOUNTED SPEAKERS - REFER TO VENDOR SUPPLIED DRAWINGS
	SURFACE MOUNTED SPEAKERS - REFER TO VENDOR SUPPLIED DRAWINGS
	SURFACE MOUNTED SPEAKER - REFER TO VENDOR SUPPLIED DRAWINGS
	EXISTING LIGHTING AND ZINC PLATE RELOCATED IN SALES ROOM & AS SHOWN IN PLANS



REFLECTED CEILING PLAN

SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT JERRY J. PHILLIPS JR. No. 2498 STATE OF MAINE 07.21.11

ARCH PROJECT # 1121907
DRAWN BY

PM

ISSUE / DATE

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION

SHEET TITLE .
ENLARGED REFLECTED CEILING PLAN

SHEET NO. ·
A201

LIGHT FIXTURE LEGEND

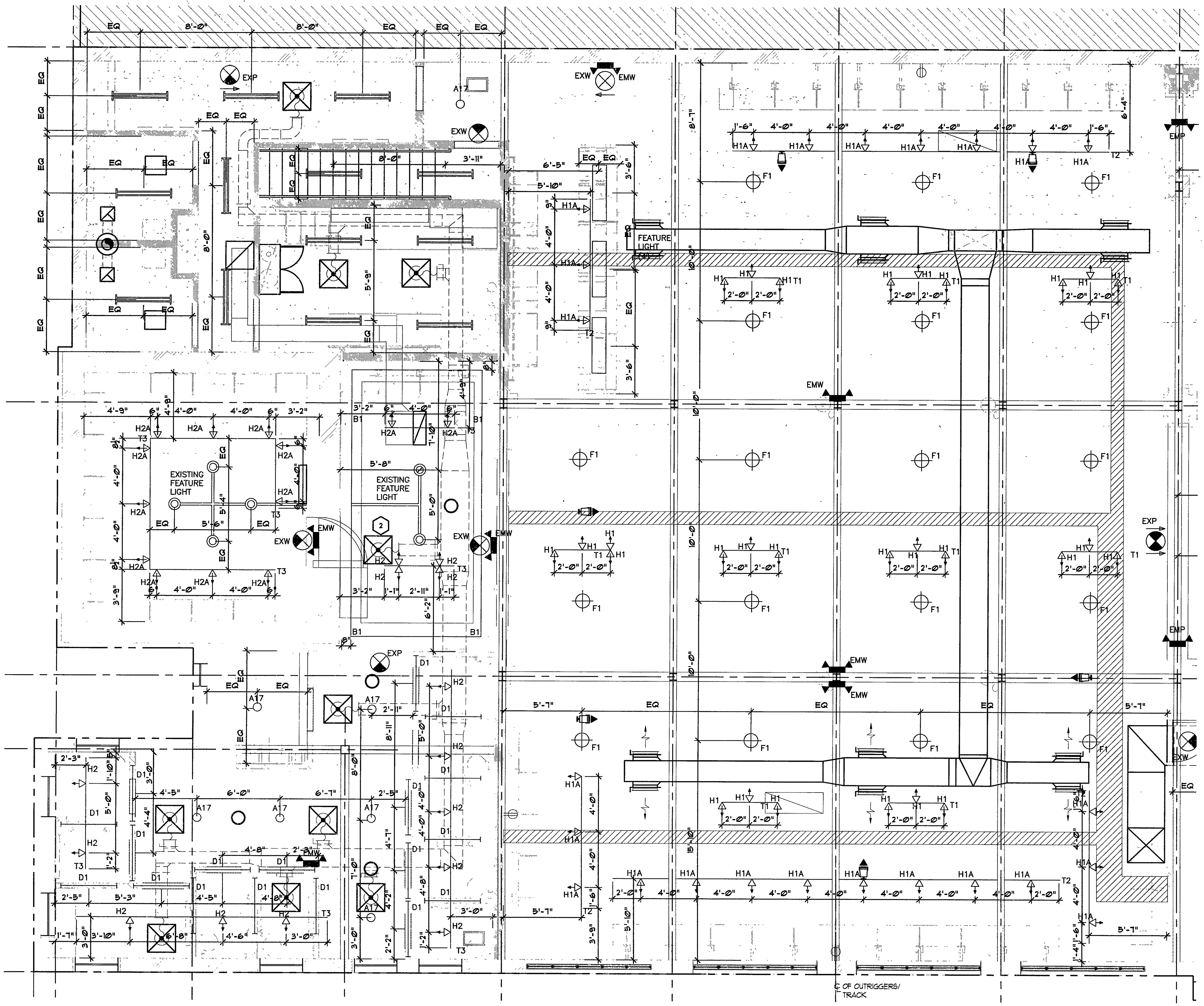
TYPE	DESCRIPTION	MTG
A17	COMPACT FLUORESCENT OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	REC
B1	LINEAR FLUORESCENT COVE SYSTEM PROVIDE A CONTINUOUS STAGGERED PATTERN OF 1-LAMP FIXTURES IN ARCHITECTURAL COVE STAGGER OVERLAP BETWEEN ROWS SHALL BE MINIMUM 6 INCHES DISTANCE BETWEEN LAST FIXTURE AND END OF COVE SHALL BE MAXIMUM 6 INCHES PROVIDE QUANTITY OF 4-FOOT AND/OR 3-FOOT 1-LAMP CHANNELS AS REQUIRED FOR LIGHT ALONG FULL LENGTH OF COVE CHANNEL SHALL BE MAXIMUM 2 75 INCHES WIDE X 3 INCHES HIGH INCLUDING LAMP, PROVIDE TANDEM-WIRED 2-LAMP AND 4-LAMP ELECTRONIC BALLASTS	COVE
D1	INDUSTRIAL FLUORESCENT CHANNEL, NOMINAL 48 INCH LONG x 1 5 INCHES WIDE x 2 3/8 INCHES HIGH INCLUDING LAMP, ELECTRONIC BALLAST REFERENCE DETAIL LSK 20110620E FOR MOUNTING SPECIFICS,	SURF
C	4' SURFACE MOUNTED LINEAR T8 FLUORESCENT CHANNEL, INTEGRAL ELECTRONIC BALLAST, TUBE COVER	SURF
CP	PENDANT MOUNTED 4' FLUORESCENT T8 STRIP LIGHT, NO REFLECTORS, WITH ELECTRONIC BALLAST AND TUBE COVER	PEND
F1	METAL HALIDE LOWBAY PENDANT LUMINAIRE, NOMINAL 16 INCH DIAMETER x 14 INCH HIGH CAST ALUMINUM HOUSING, GALVANIZED FINISH FOR HOUSING AND MOUNTING, LUMINAIRE TO BE MOUNTED FROM CANOPY CONTAINING BALLAST WITH STEM OF SUFFICIENT LENGTH THAT BOTTOM OF FIXTURE IS 13'-0" ABOVE FINISHED FLOOR	PEND
H1	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, SPOT OPTIC AND CROSS-BLADE BAFFLE, UNFINISHED SO AS TO PROVIDE INDIUSTRIAL/MILLED APPEARANCE CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION	TRACK
H1A	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, FLOOD OPTIC AND LINEAR SPREAD LENS, UNFINISHED SO AS TO PROVIDE INDIUSTRIAL/MILLED APPEARANCE CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION	TRACK
H2	SAME AS FIXTURE TYPE H1, EXCEPT FOR FLOOD OPTIC AND LAMPING	TRACK
H2A	SAME AS FIXTURE TYPE H1A, EXCEPT FOR FLOOD OPTIC AND LAMPING	TRACK
H3	SAME AS FIXTURE TYPE H1, EXCEPT FOR NARROW FLOOD OPTIC AND LAMPING	TRACK
K2	METAL HALIDE OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	REC
R1	LINEAR LIGHT EMITTING DIODE (LED), 88 INCH WIDE X 78 INCH TALL, LENGTHS AS REQUIRED TO PROVIDE CONTINUOUS ILLUMINATION OF EXTERIOR SIGNAGE, FIXTURE TO DISPLAY 30 DEGREE BEAM SPREAD AND BE POPULATED WITH 3000 KELVIN LEDS, MOUNTING TO BE FIXED, ETL LISTED FOR WET LOCATIONS	SURF
T1	EXTRUDED ALUMINUM TRACK, PROVIDE LENGTH AS SHOWN ON DRAWINGS, PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM REFERENCE DETAIL LSK 20110614A FOR MOUNTING SPECIFICS	SUSP
T2	SAME AS T1 EXCEPT FOR MOUNTING CONDITION REFERENCE DETAIL LSK 20110614B FOR MOUNTING SPECIFICS	SUSP
T3	SAME AS T1 EXCEPT SURFACE MOUNTED TO FINISHED CEILING	SURF
T4	SAME AS T1 EXCEPT FOR MOUNTING CONDITION REFERENCE DETAIL LSK 20110614C FOR MOUNTING SPECIFICS	SURF
EMW	WALL MTD EMERGENCY LIGHT WITH TWO HEADS, 90 MIN BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT	SURF
EMW	PENDANT MTD EMERGENCY LIGHT WITH TWO HEADS, 90 MIN BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT	PEND
EXP	SURFACE WALL MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT	SURF
EXW	PENDANT MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT EC TO "SNAP" OUT ARROWS AS INDICATED ON LIGHTING PLAN	PEND
	PENDANT MOUNTED LIGHTS ABOVE THE CASHWRAP (3 IN NUMBERS) SUPPLIED BY UOI	

CEILING LEGEND

TYPE	DESCRIPTION
C	CEILING DUPLEX - REFER TO ELECTRICAL DRAWINGS
	QUADPLEX OUTLET MOUNTED ON WALLS - REFER TO ELECTRICAL DRAWINGS
	PENDANT & WALL MOUNTED SPEAKERS - REFER TO VENDOR SUPPLIED DRAWINGS
	SURFACE MOUNTED SPEAKERS - REFER TO VENDOR SUPPLIED DRAWINGS
	SURFACE MOUNTED SPEAKER - REFER TO VENDOR SUPPLIED DRAWINGS
	EXISTING LIGHTING AND ZINC PLATE RELOCATED IN SALES ROOM & AS SHOWN IN PLANS

CEILING PLAN KEY NOTES

1. CONDUIT TRAPEZE LOCATION
2. DIFFUSER TO MATCH FINISH P2



REFLECTED CEILING PLAN
SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
DRAWN BY
PM/ HM

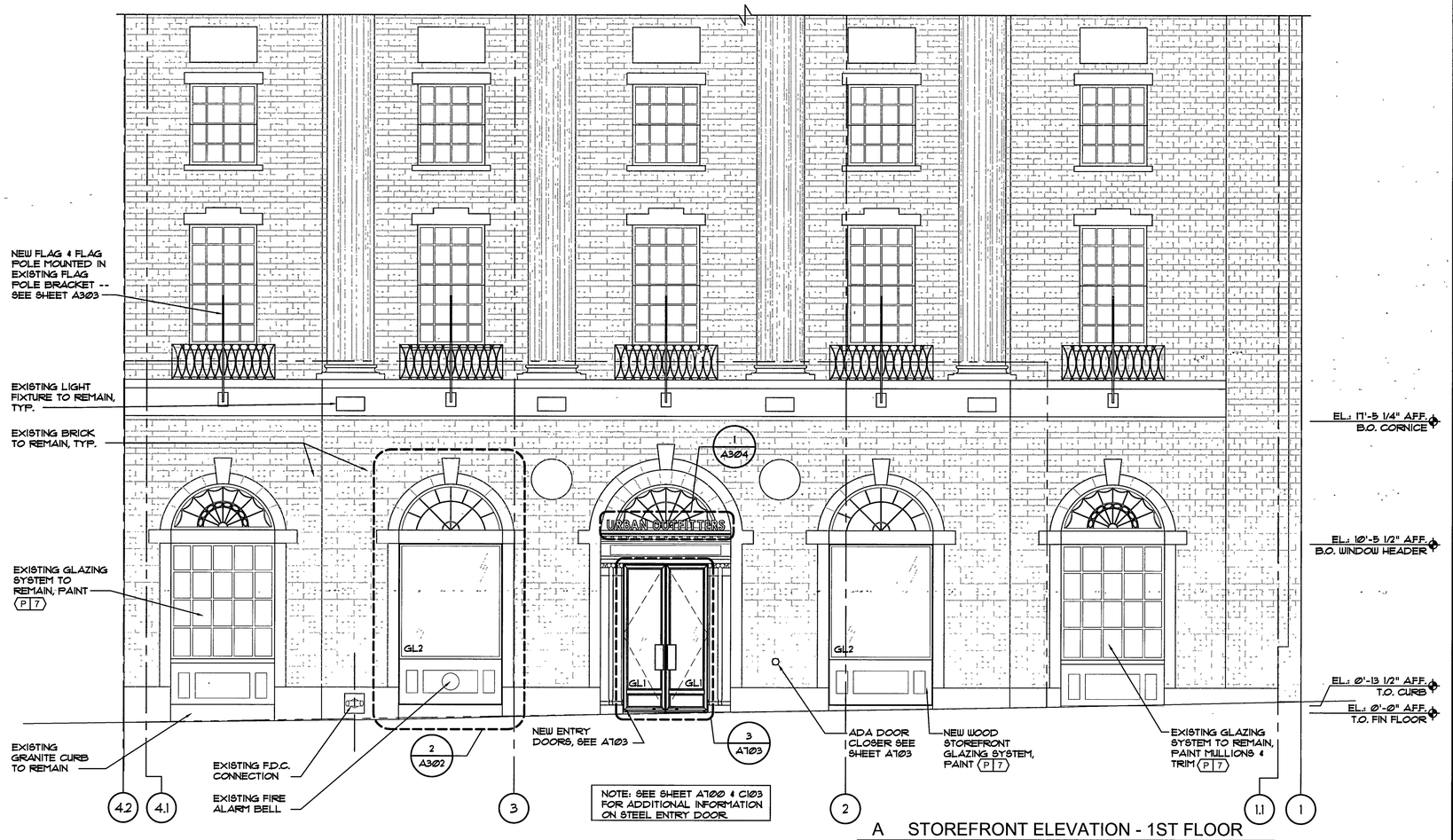
ISSUE / DATE

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

REVISION

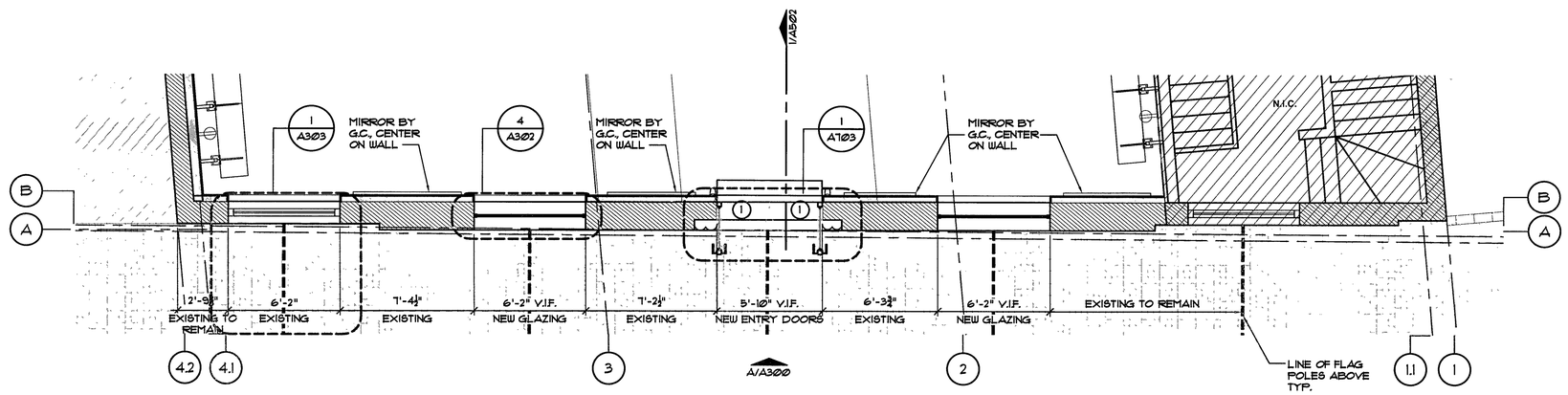
SHEET TITLE .
ENLARGED REFLECTED CEILING PLAN

SHEET NO.
A202



A STOREFRONT ELEVATION - 1ST FLOOR

A300 SCALE 1/4"=1'-0"



1 ENLARGED STOREFRONT PLAN - 1ST FLOOR

A300 SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

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URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT
DERRICK PHILLIPS JR.
No. 2574
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY
PM/HMW/MRE

ISSUE / DATE

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
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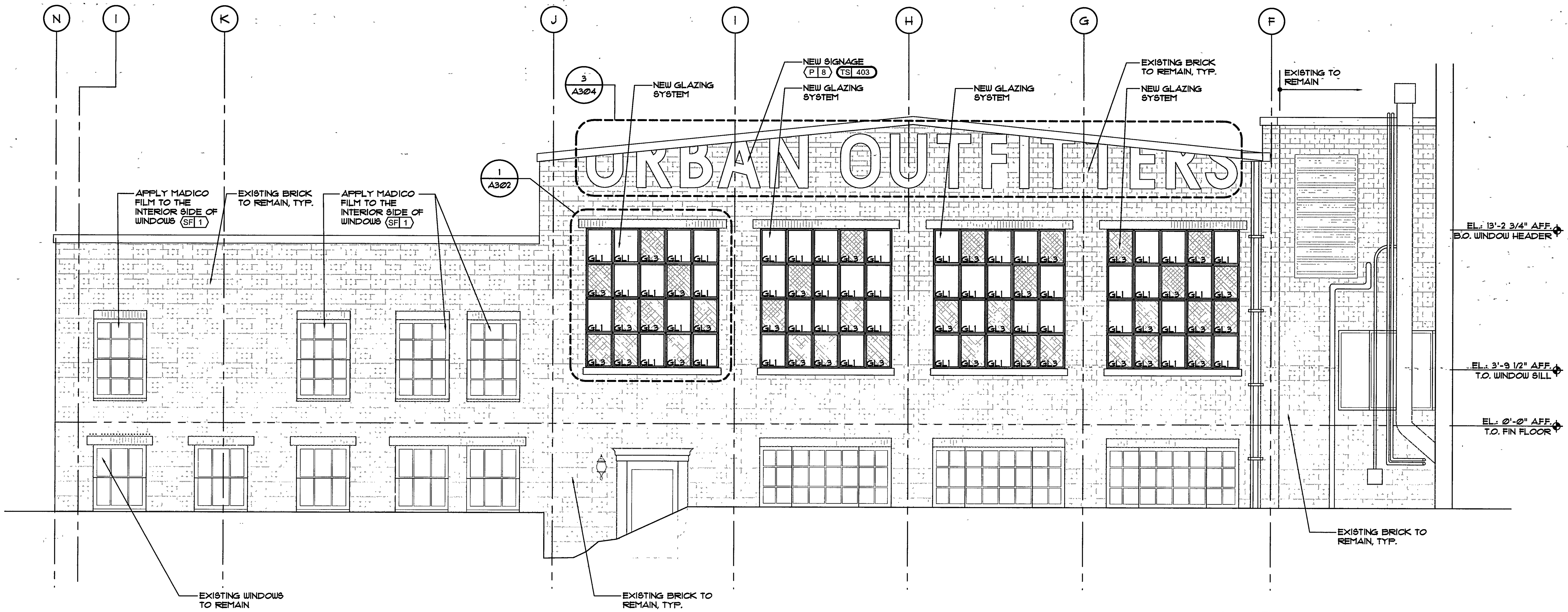
07-22-11

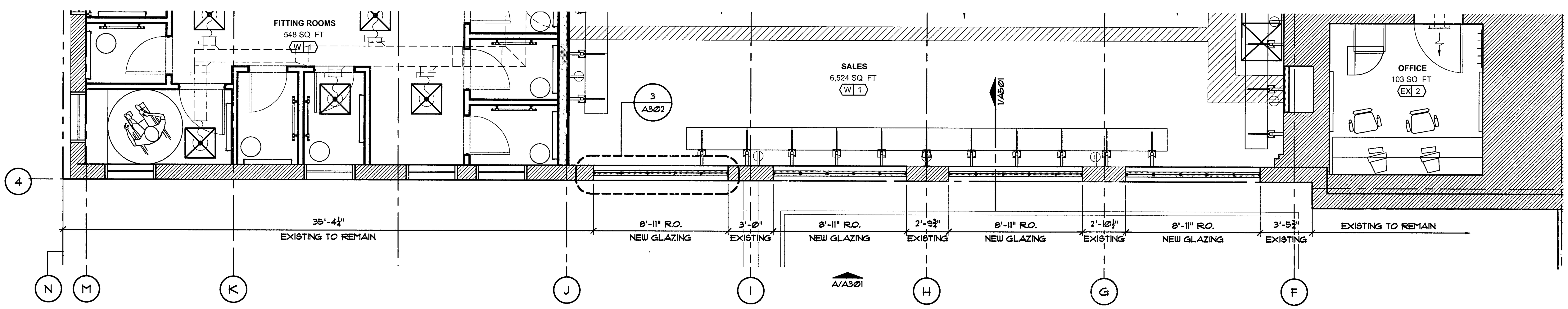
REVISION

SHEET TITLE .
ENLARGED STOREFRONT PLAN / ELEVATION

SHEET NO
A300



A NE ELEVATION
A301 SCALE 1/4"=1'-0"



1 ENLARGED PLAN
A301 SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

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5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT JERRY PHILLIPS JR. STATE OF MAINE
07.21.11

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PM

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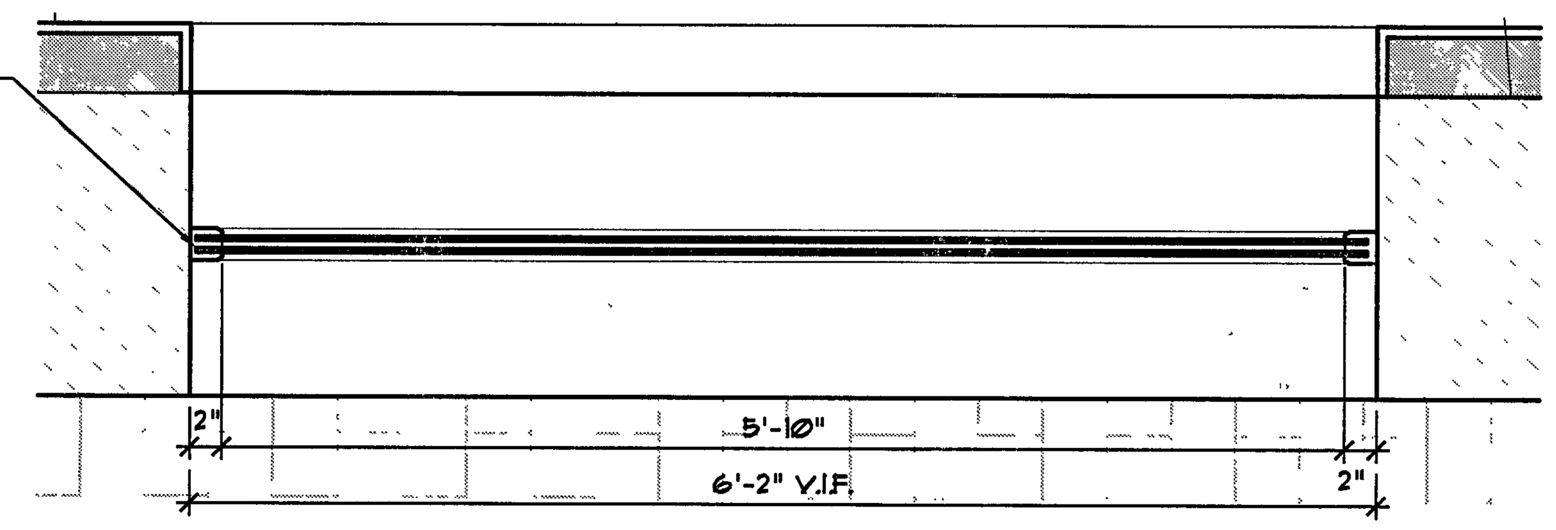
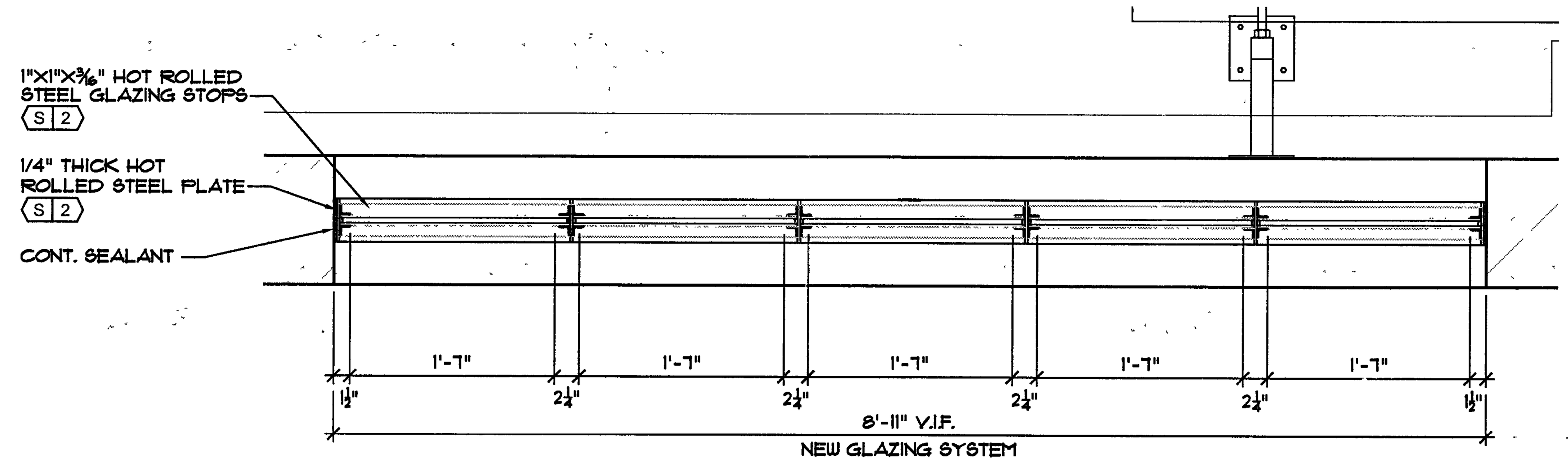
REVISION

SHEET TITLE
ENLARGED PLAN / ELEVATION

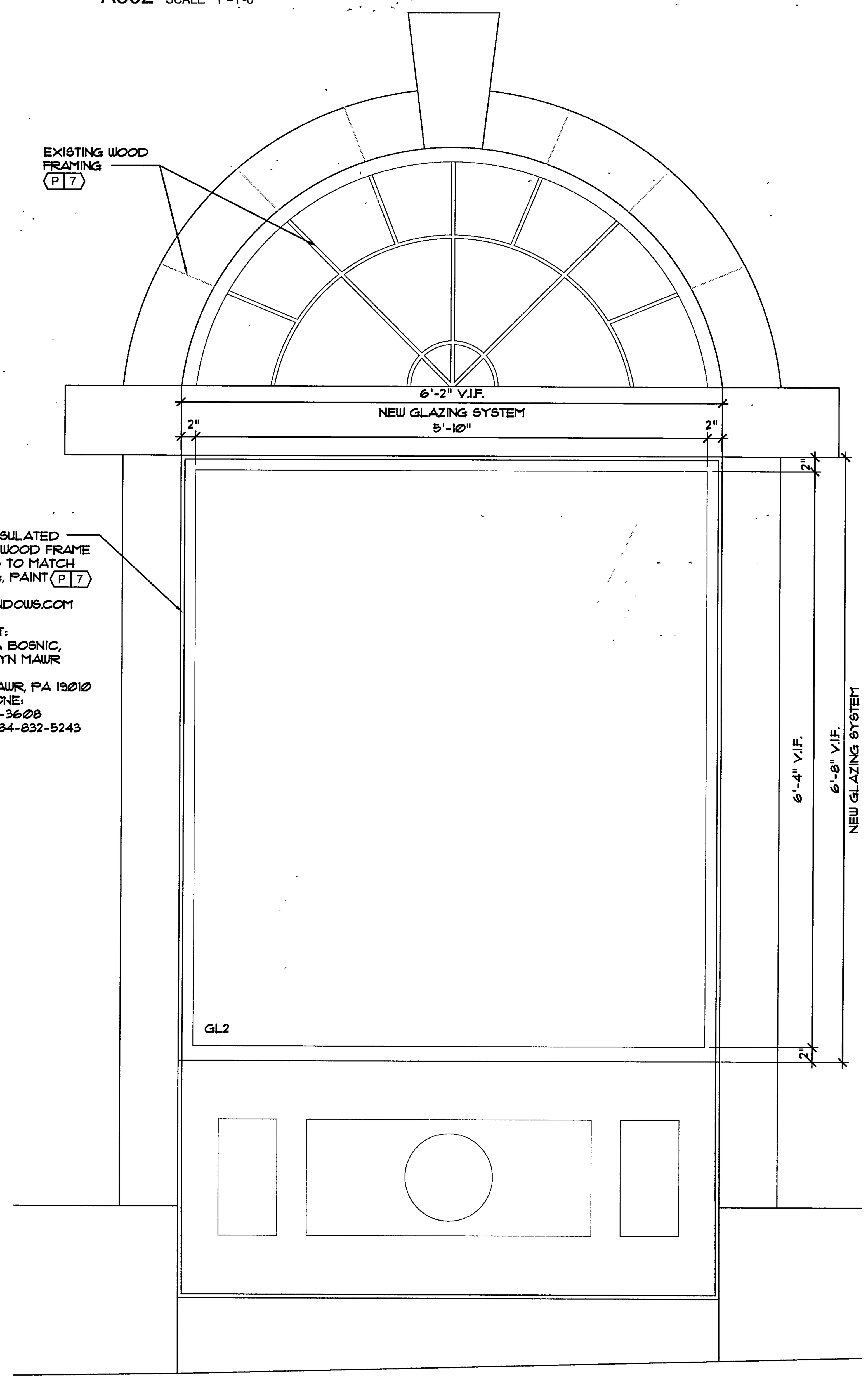
SHEET NO.
A301



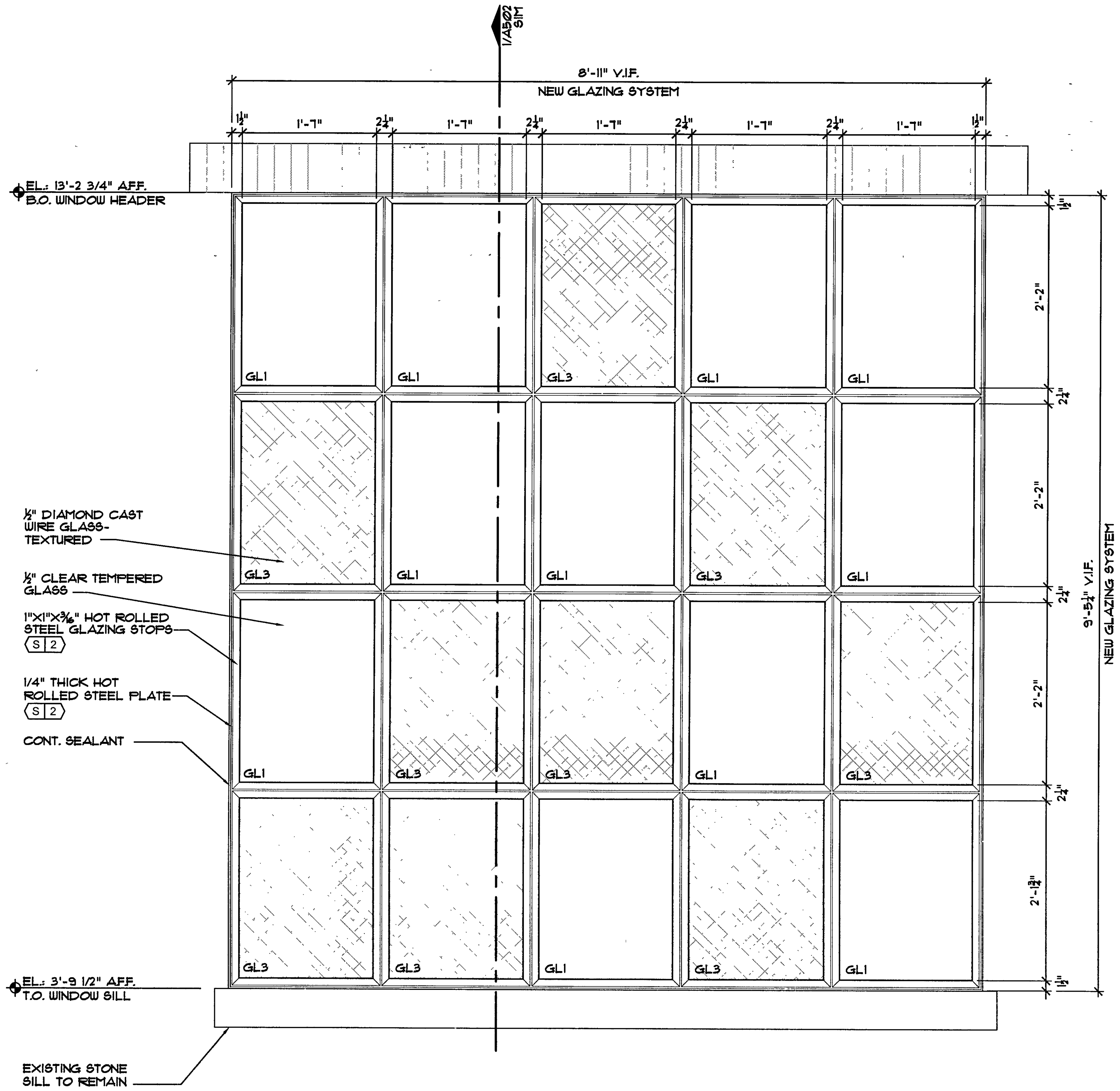
4 ENLARGED STOREFRONT PLAN - 1ST FLOOR
A302 SCALE 1"=1'-0"



3 ENLARGED STOREFRONT PLAN - 1ST FLOOR
A302 SCALE 1"=1'-0"



2 ENLARGED STOREFRONT ELEVATION - 1ST FLOOR
A302 SCALE 1"=1'-0"



1 ENLARGED STOREFRONT ELEVATION - 1ST FLOOR
A302 SCALE 1"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

07-21-11

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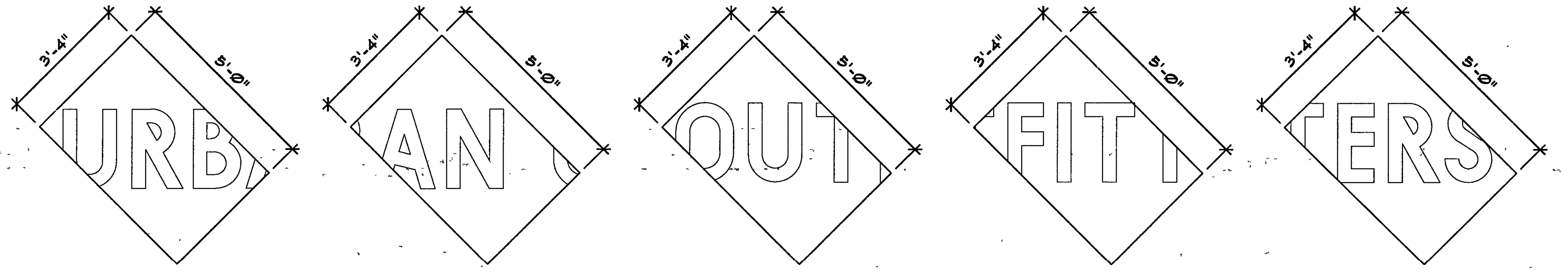
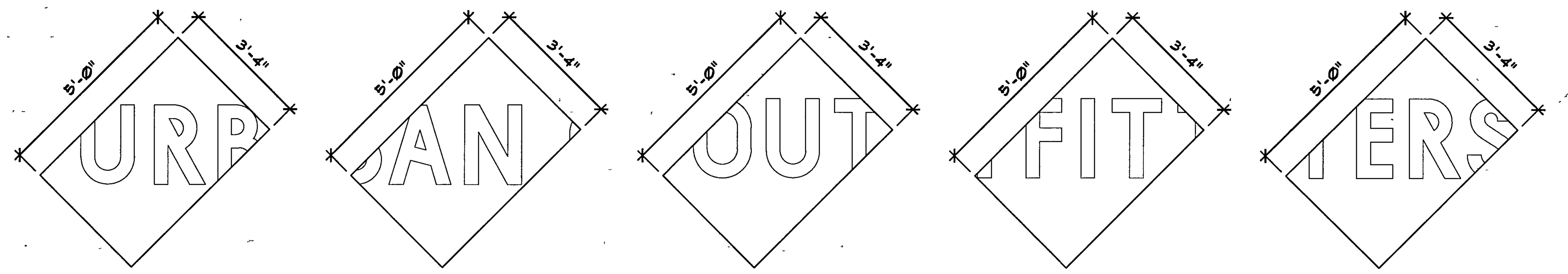
SHEET TITLE
ENLARGED STOREFRONT DETAILS

SHEET NO.
A302



NOTE: NEW FLAG, COLOR : BENJAMIN MOORE "BRIGHT YELLOW" 2022-30, LETTERS COLOR: BENJAMIN MOORE "BLUEBERRY" 2063-30

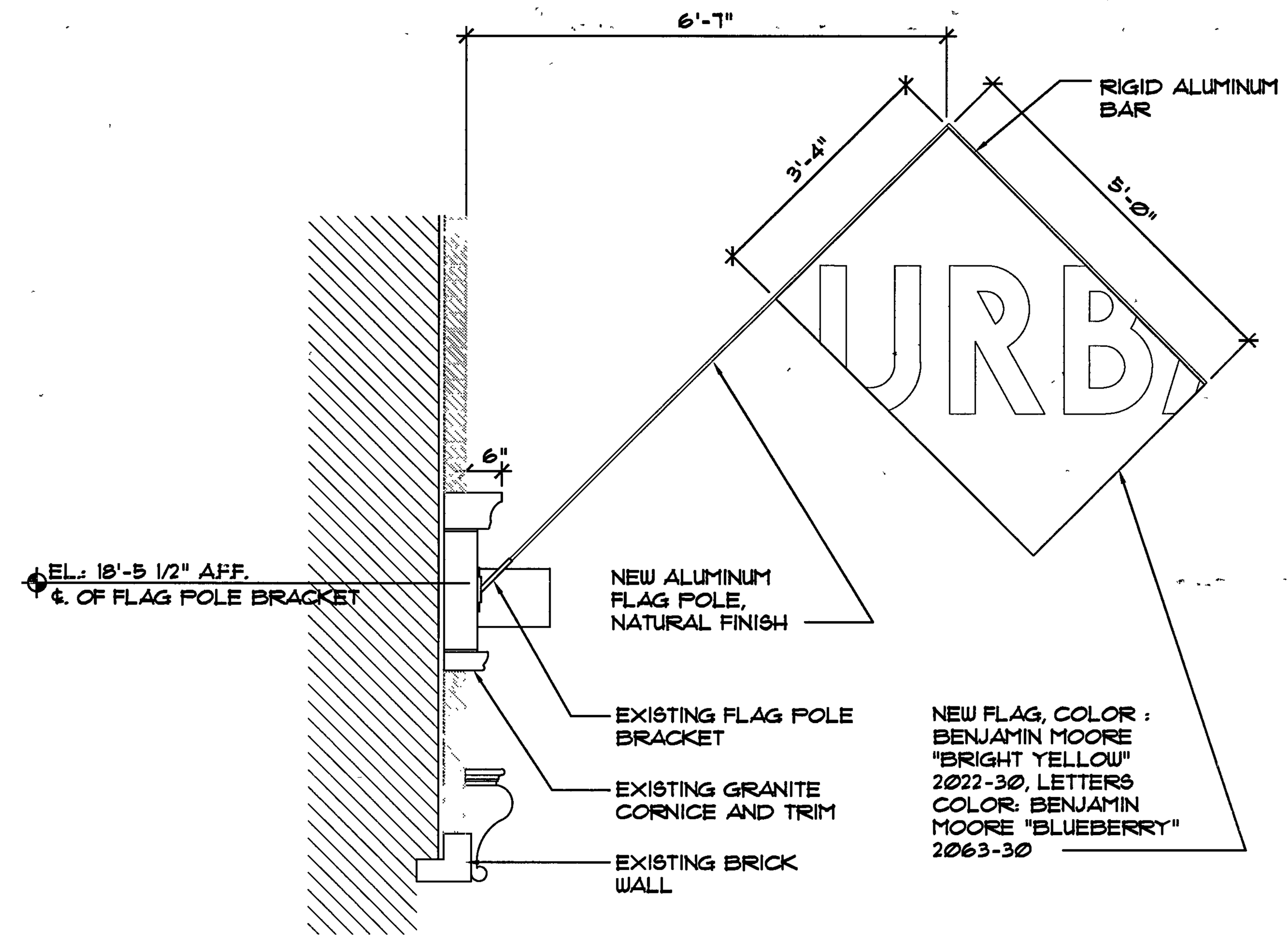
5 SIGNAGE ELEVATION
A303 SCALE 3/8"=1'-0" (TS 402)



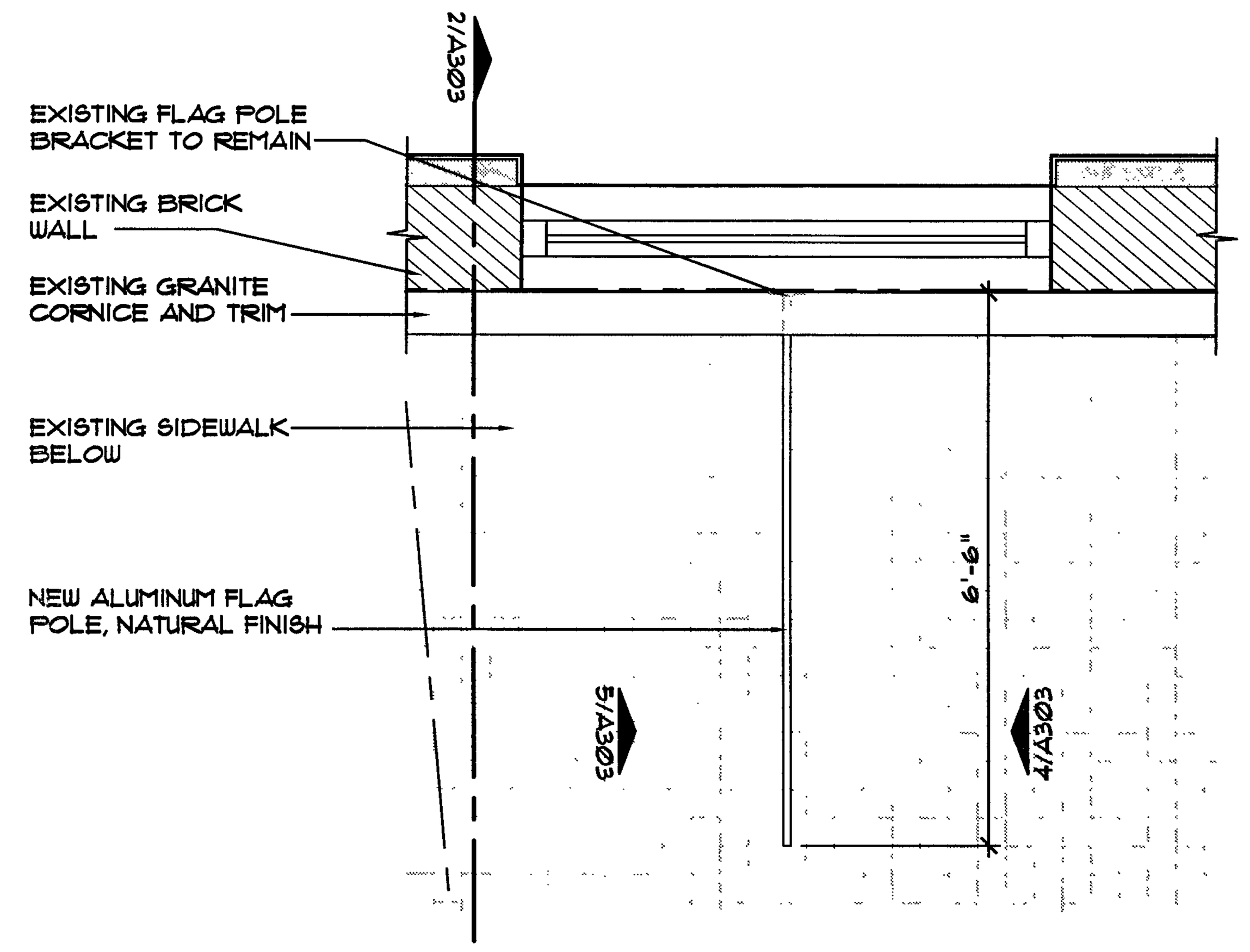
NOTE: NEW FLAG, COLOR : BENJAMIN MOORE "BLUEBERRY" 2063-30, LETTERS COLOR: BENJAMIN MOORE "BRIGHT YELLOW" 2022-30

4 SIGNAGE ELEVATION
SIGN SQUARE FOOTAGE: 84 SQ. FT.
A303 SCALE 3/8"=1'-0" (TS 402)

3 STOREFRONT RENDERING
A303 SCALE N T S



2 SIGNAGE ELEVATION
A303 SCALE 1/2"=1'-0"



1 ENLARGED SIGNAGE PLAN DETAIL
A303 SCALE 1/2"=1'-0"

PHILLIPS

URBAN OUTFITTERS

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PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH. (864) 232 6642

LICENSED ARCHITECT STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
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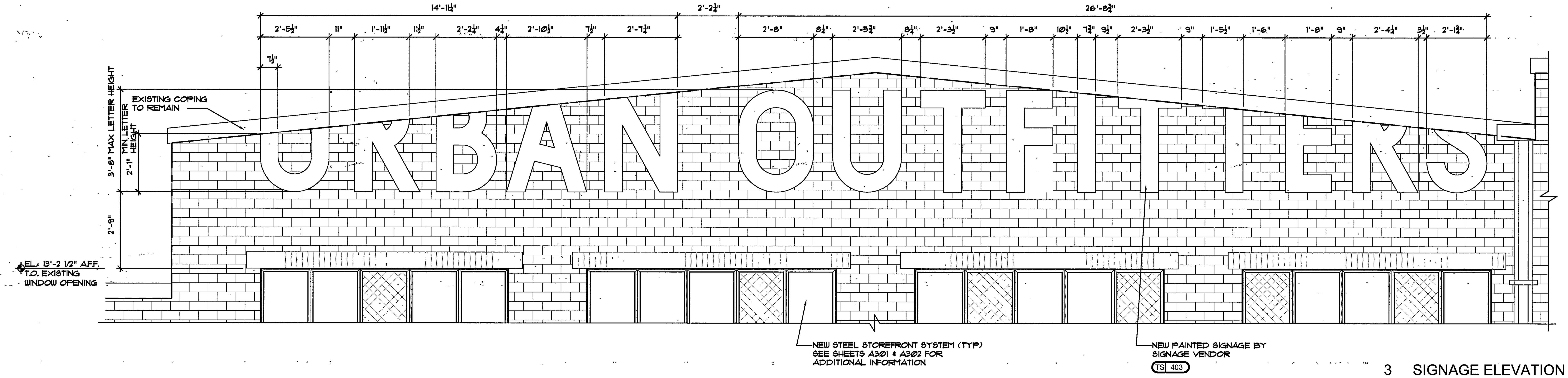
07-22-11

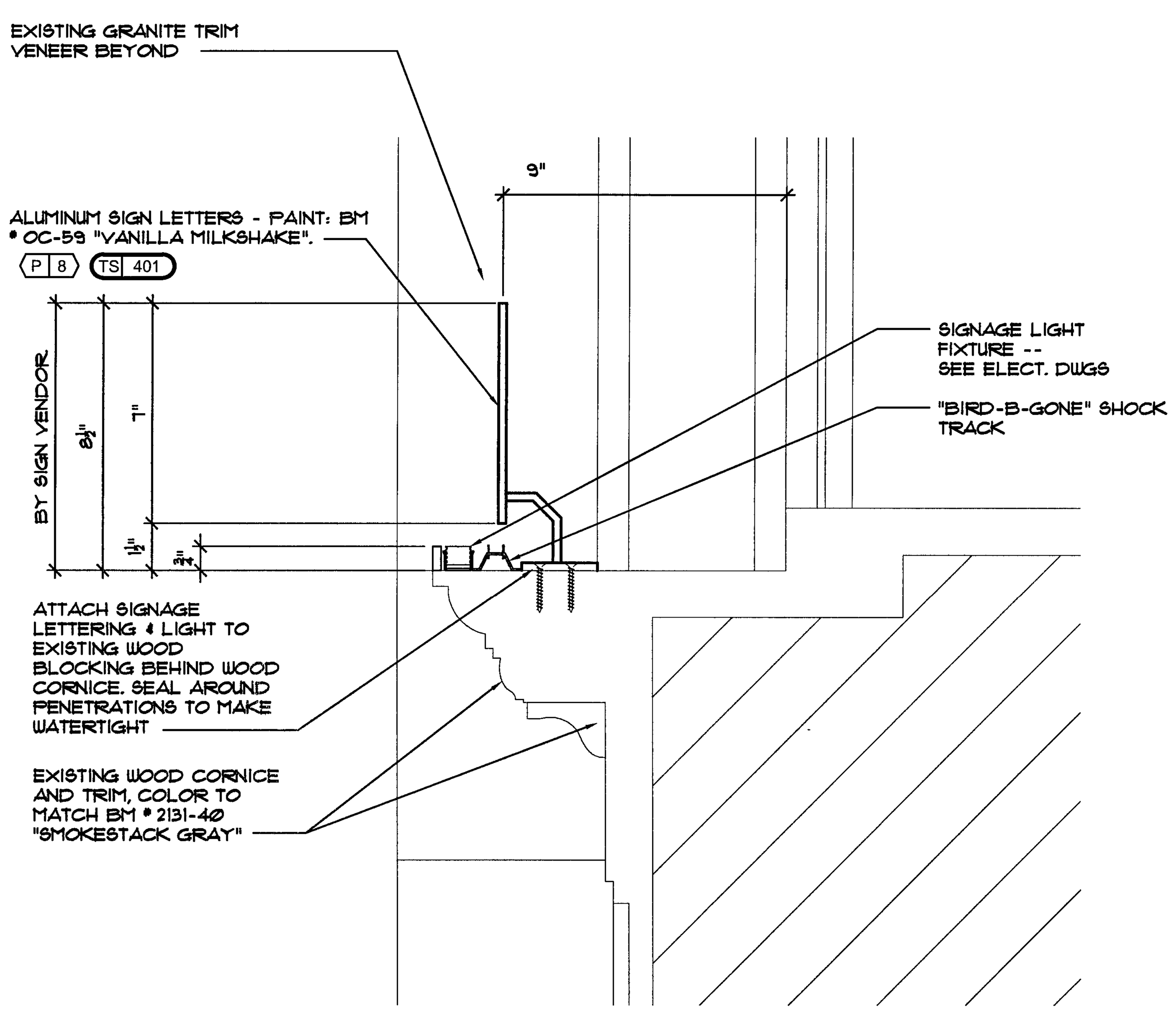
REVISION

SHEET TITLE
SIGNAGE DETAILS

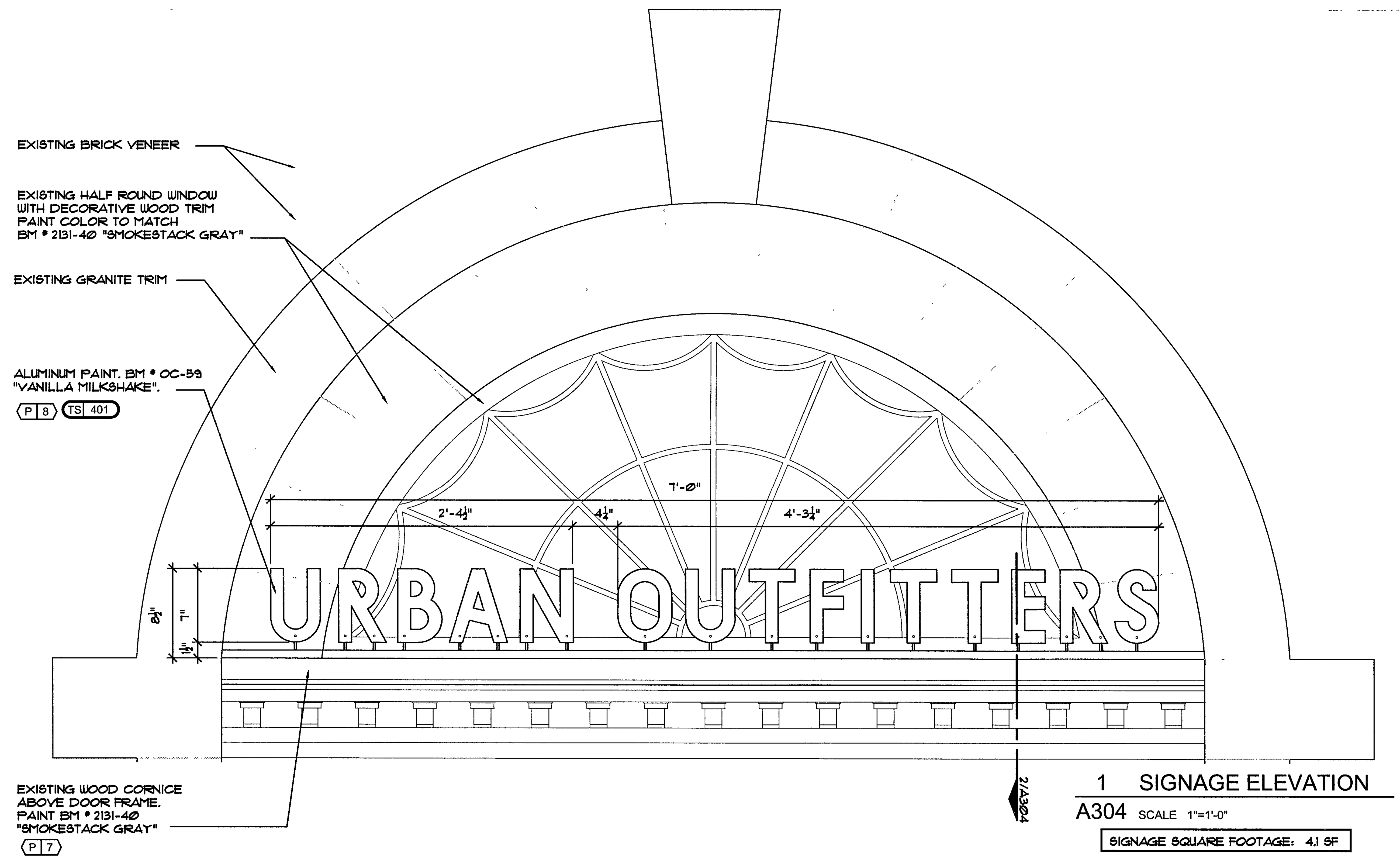
SHEET NO .
A303



3 SIGNAGE ELEVATION
A304 SCALE 1"=1'-0"
SIGNAGE SQUARE FOOTAGE: 139.9 SF



2 SIGNAGE SECTION DETAIL
A304 SCALE 3"=1'-0"



1 SIGNAGE ELEVATION
A304 SCALE 1"=1'-0"
SIGNAGE SQUARE FOOTAGE: 4.1 SF

PHILLIPS

URBAN OUTFITTERS

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PORTLAND, ME 04101

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URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
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LICENSED ARCHITECT — STATE OF MAINE — 07-21-11

ARCH PROJECT # 1121907
DRAWN BY.
HSW/MRE

ISSUE / DATE

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REVISION

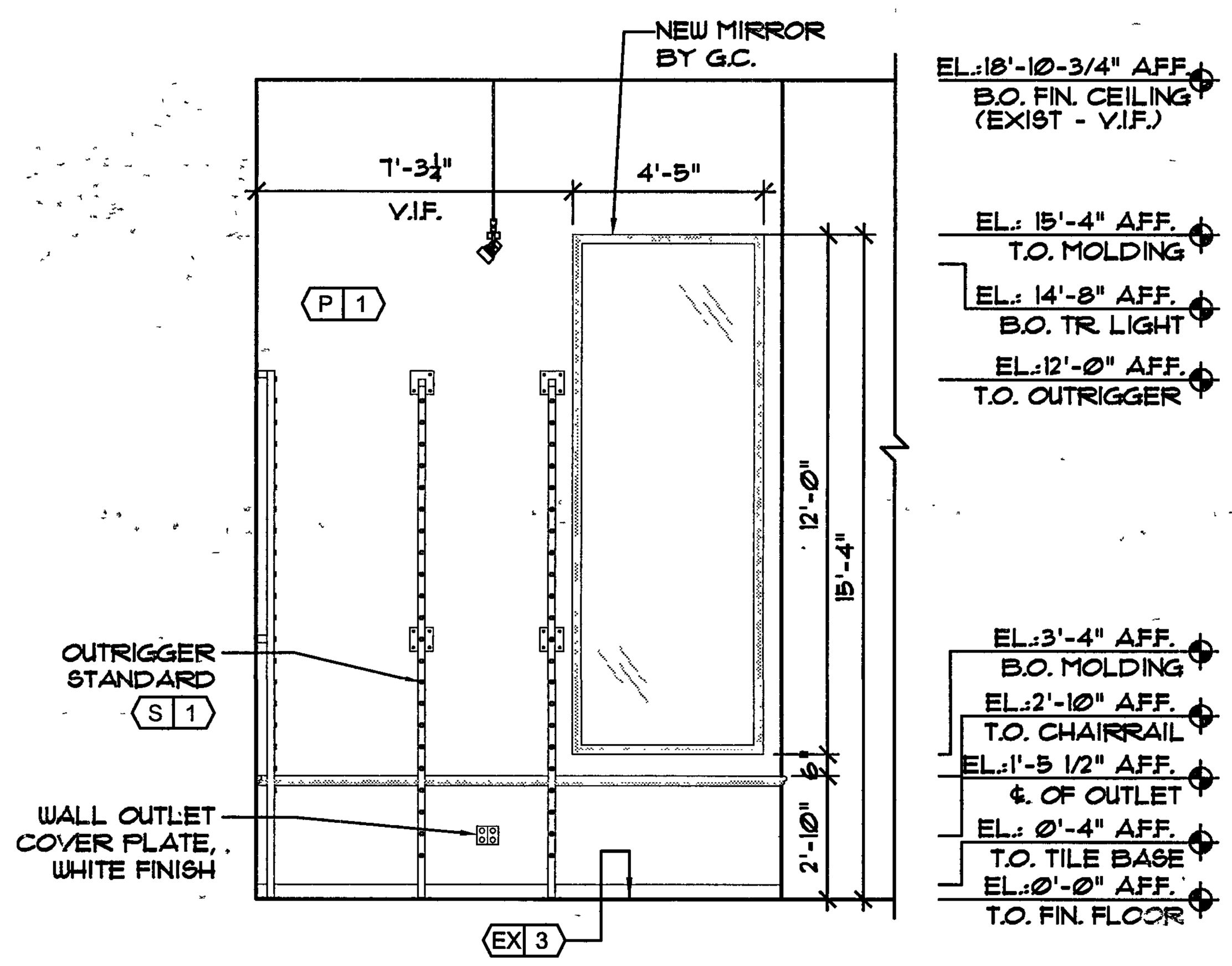
SHEET TITLE
SIGN DETAILS

SHEET NO
A304

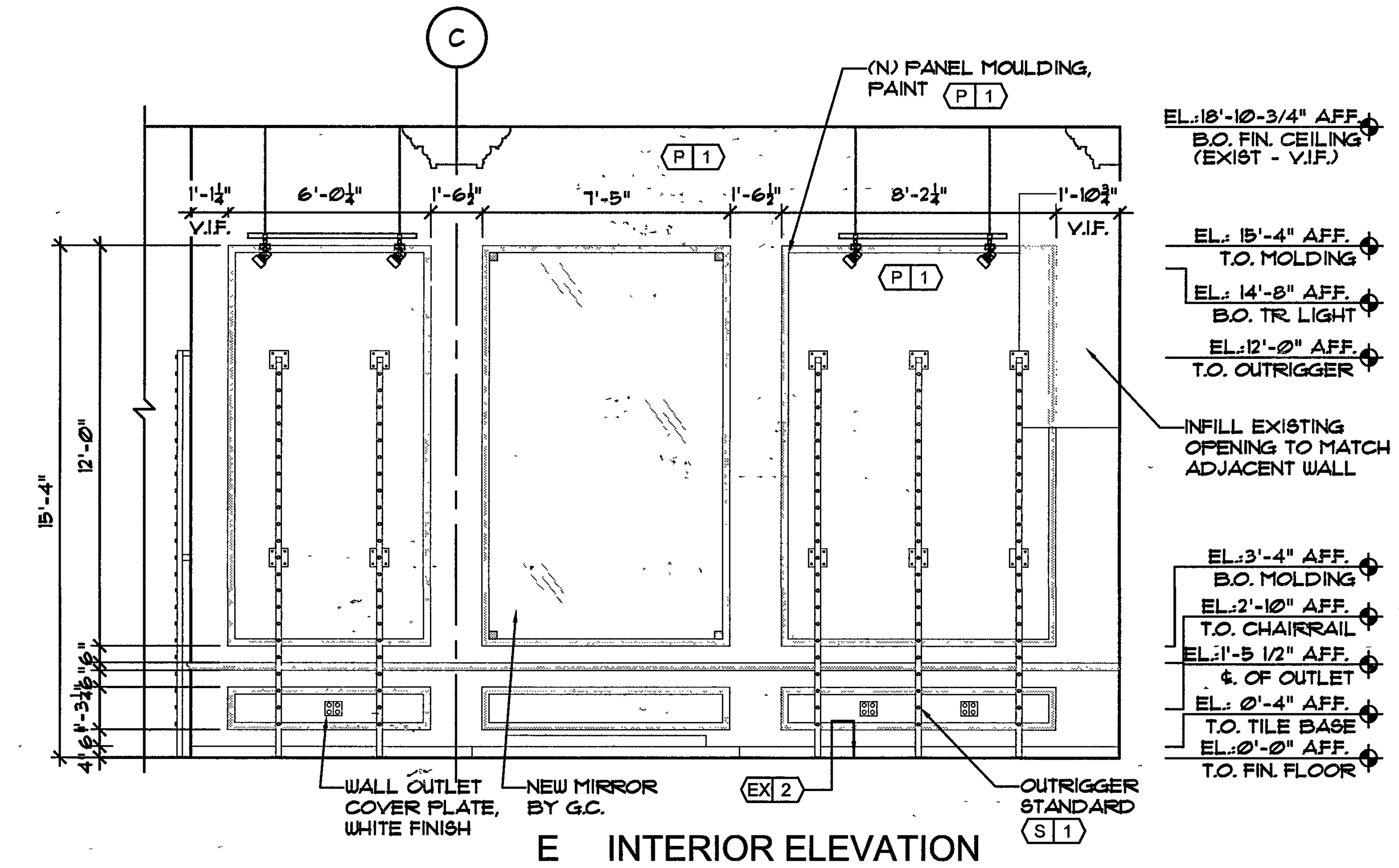
G.C. TO PROVIDE AND INSTALL ALL (N) PANEL MOLDING, MANUFACTURED BY DYKES LUMBER COMPANY, MODEL # 283 PAINT (P1)

G.C. TO REUSE EXISTING CROWN MOLDING, MOLDING ROSETTES, CHAIR RAILS, AND MARBLE TILE BASE, SALVAGED FROM DEMOLITION.

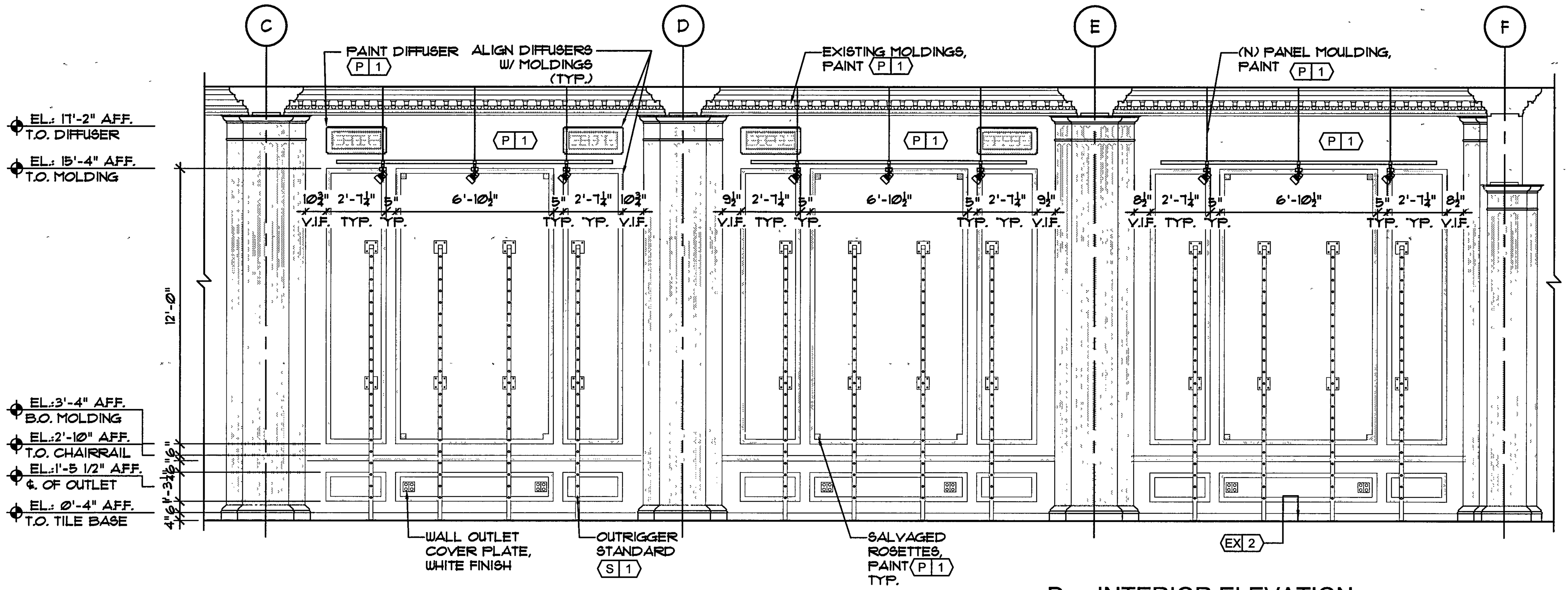
G.C. TO VERIFY QUANTITY AND QUALITY OF SALVAGED MATERIALS & PROVIDE ADDITIONAL MATERIAL AS REQUIRED TO COMPLETE WORK. NEW MATERIALS TO MATCH EXISTING.



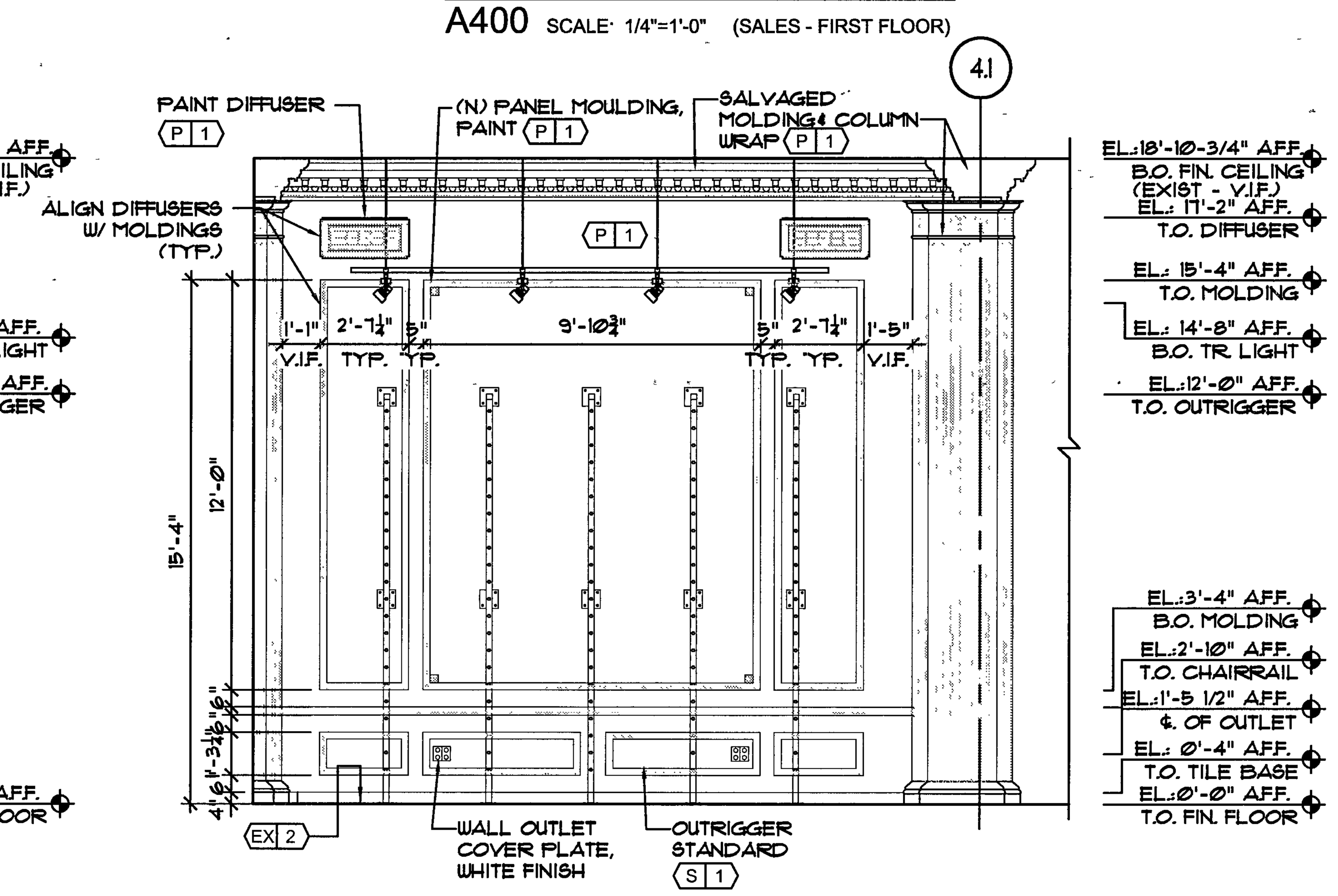
F INTERIOR ELEVATION
A400 SCALE: 1/4"=1'-0" (SALES - FIRST FLOOR)



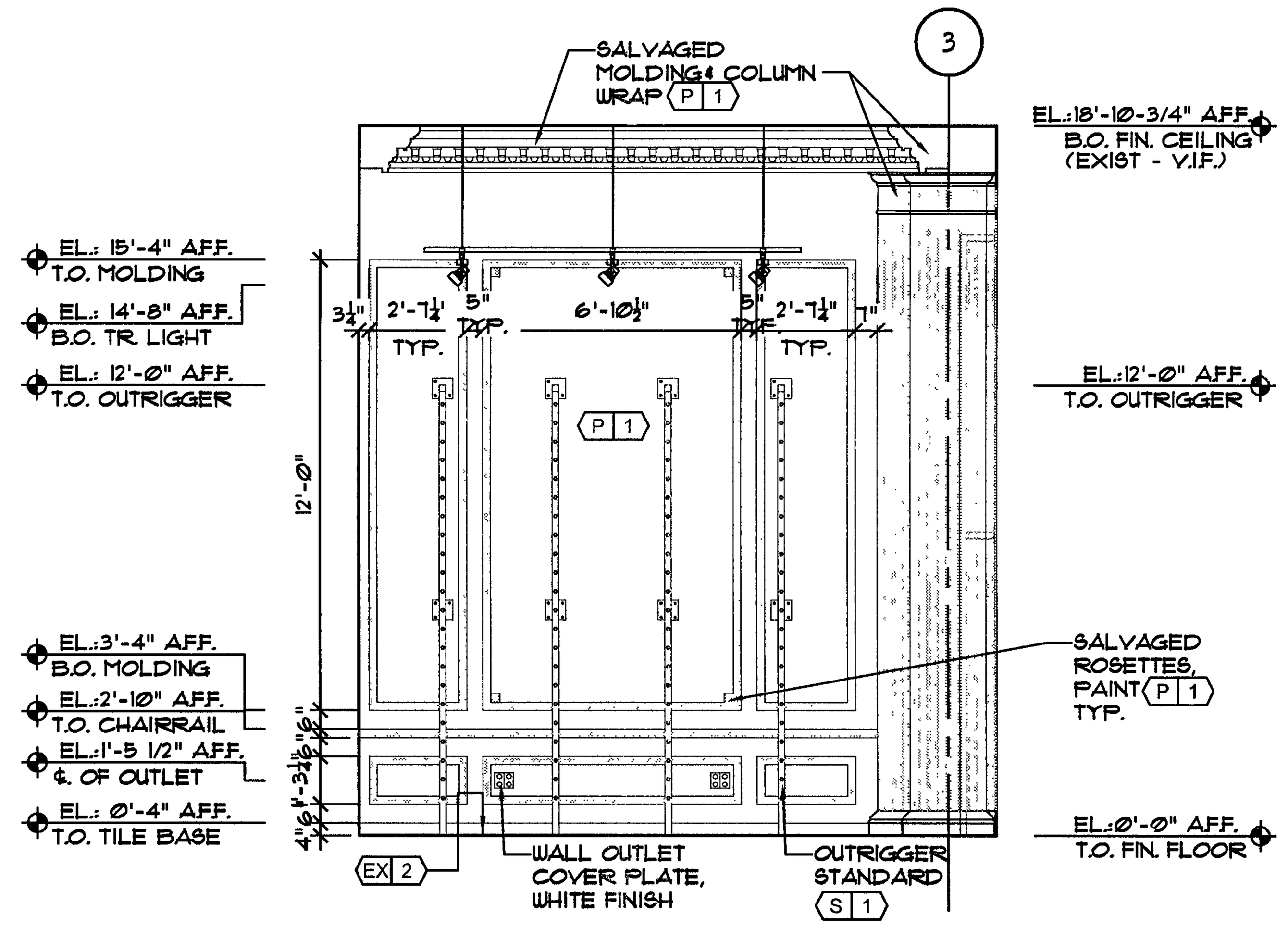
E INTERIOR ELEVATION
A400 SCALE: 1/4"=1'-0" (SALES - FIRST FLOOR)



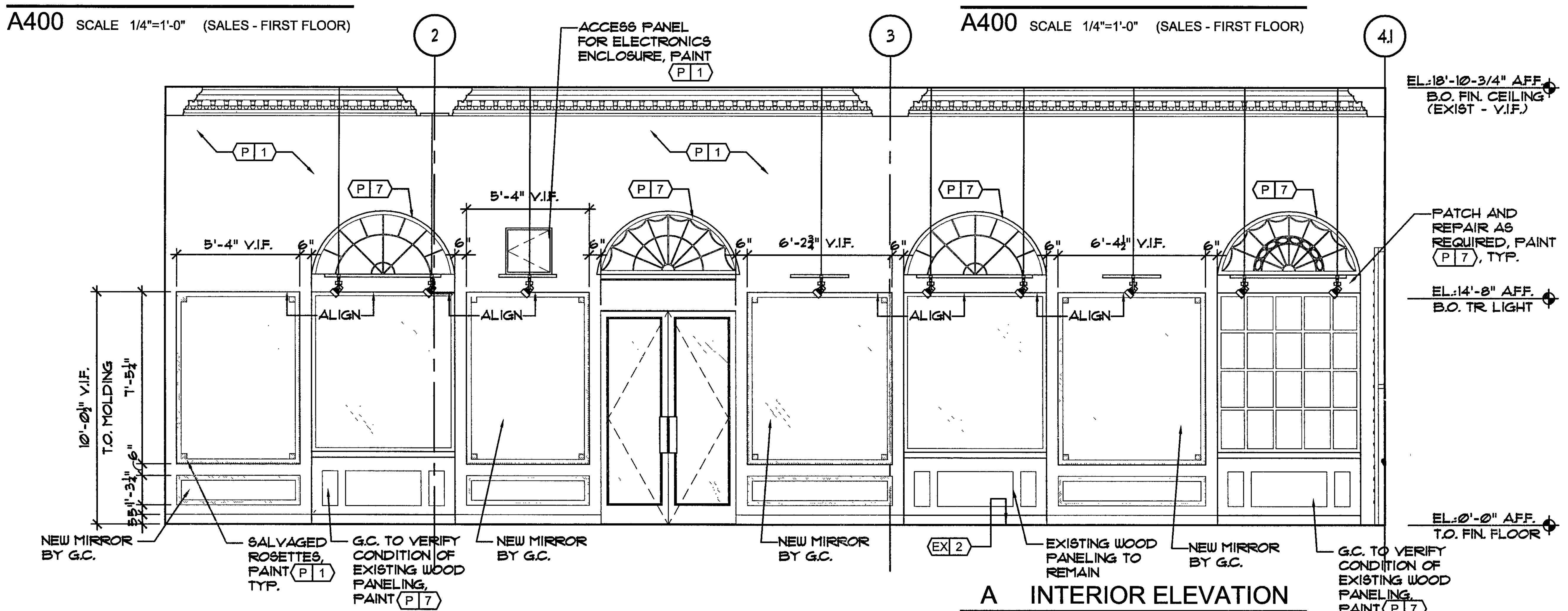
D INTERIOR ELEVATION
A400 SCALE 1/4"=1'-0" (SALES - FIRST FLOOR)



C INTERIOR ELEVATION
A400 SCALE 1/4"=1'-0" (SALES - FIRST FLOOR)



B INTERIOR ELEVATION
A400 SCALE. 1/4"=1'-0" (SALES - FIRST FLOOR)



A INTERIOR ELEVATION
A400 SCALE 1/4"=1'-0" (SALES - FIRST FLOOR)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH. (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT JERRY H. PHILLIPS, JR. STATE OF MAINE
7-21-11

ARCH PROJECT # 1121907
DRAWN BY:
PM

ISSUE / DATE

100% CHECKSET	07-08-11
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ISSUED FOR CONSTRUCTION	07-22-11

REVISION

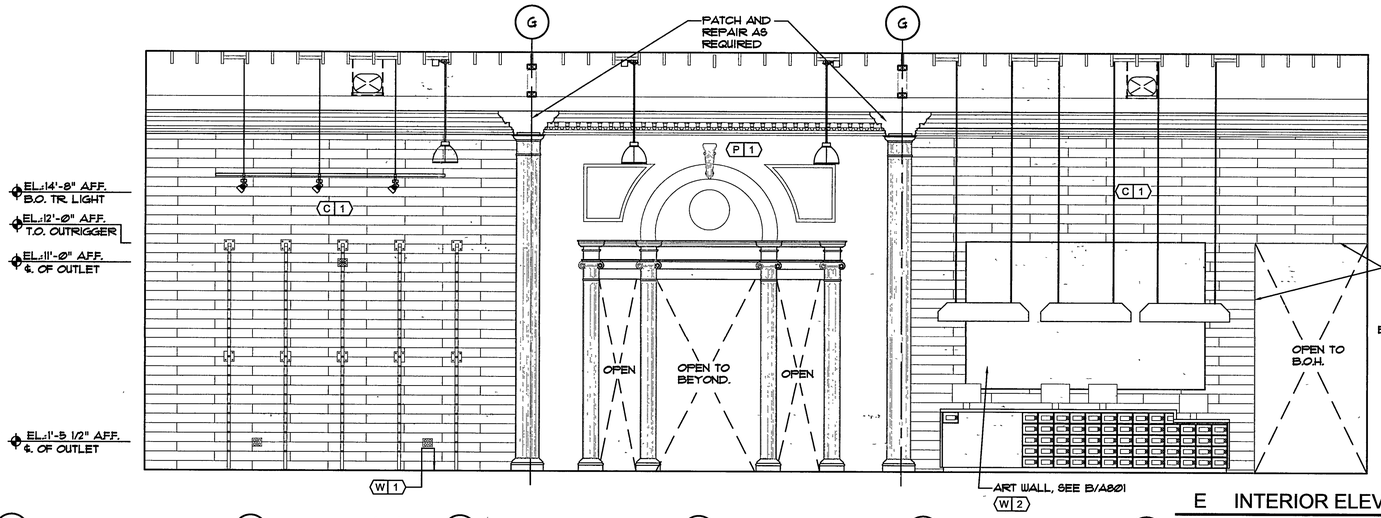
SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO.
A400

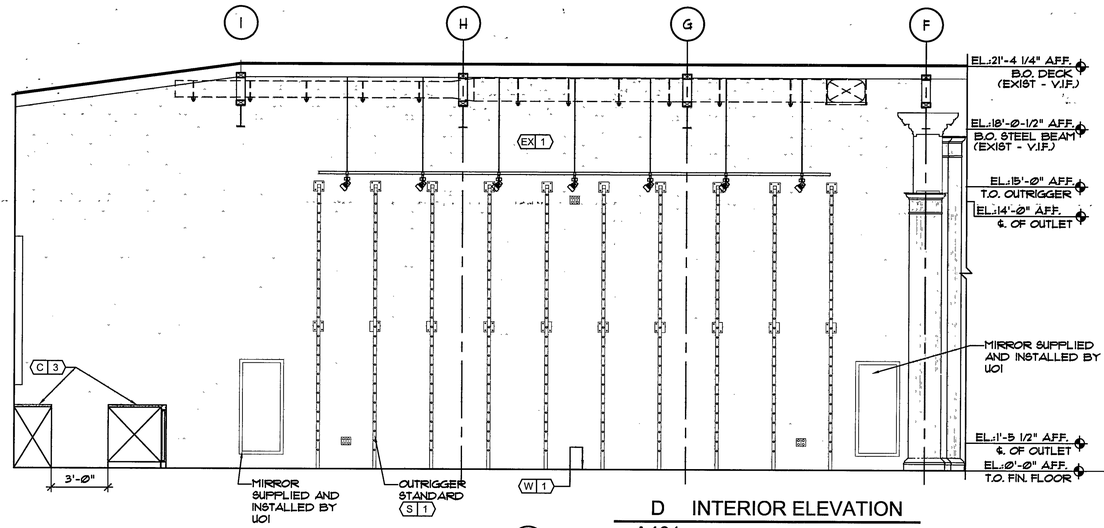
G.C. TO PROVIDE AND INSTALL ALL (N.) PANEL MOLDING, MANUFACTURED BY DYKES LUMBER COMPANY, MODEL # 283 PAINT (P 1)

G.C. TO REUSE EXISTING CROWN MOLDING, MOLDING ROSETTES, CHAIR RAILS, AND MARBLE TILE BASE, SALVAGED FROM DEMOLITION.

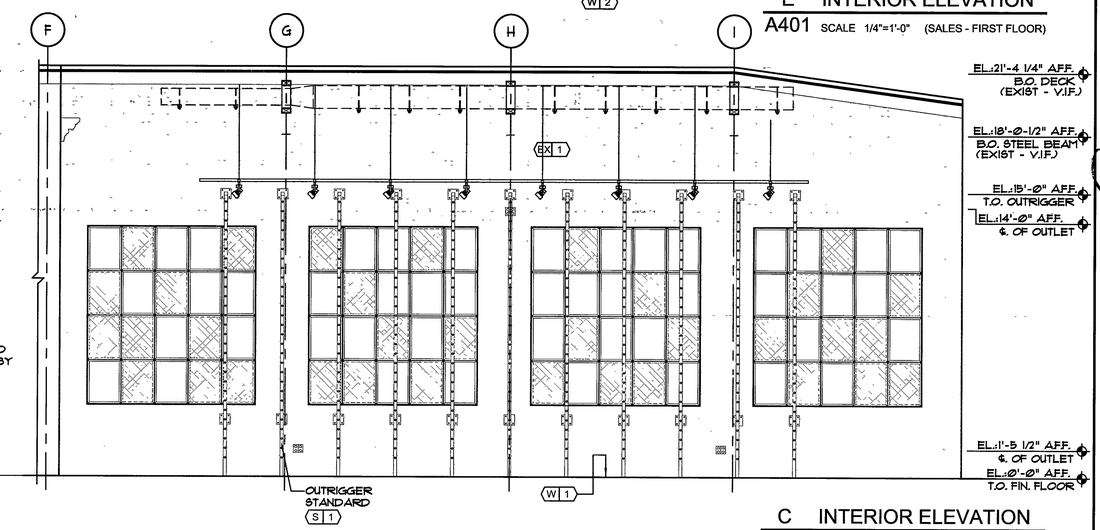
G.C. TO VERIFY QUANTITY AND QUALITY OF SALVAGED MATERIALS & PROVIDE ADDITIONAL MATERIAL AS REQUIRED TO COMPLETE WORK. NEW MATERIALS TO MATCH EXISTING.



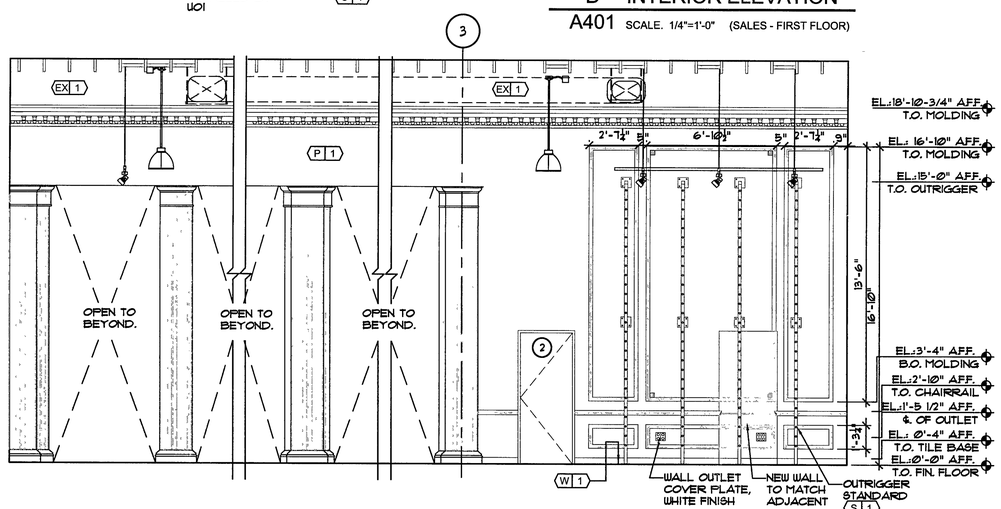
E INTERIOR ELEVATION
A401 SCALE 1/4"=1'-0" (SALES - FIRST FLOOR)



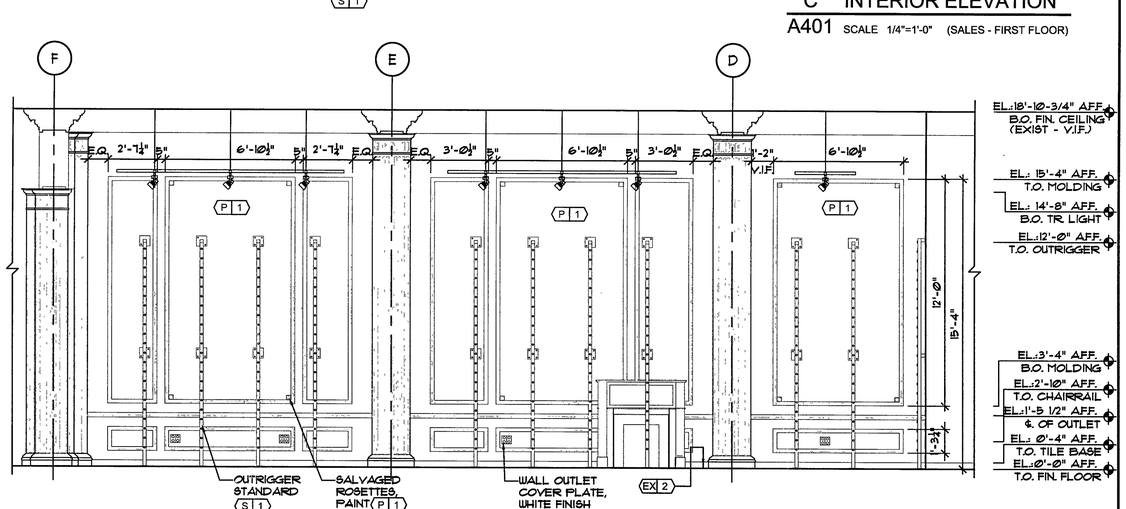
D INTERIOR ELEVATION
A401 SCALE. 1/4"=1'-0" (SALES - FIRST FLOOR)



C INTERIOR ELEVATION
A401 SCALE 1/4"=1'-0" (SALES - FIRST FLOOR)



B INTERIOR ELEVATION
A401 SCALE. 1/4"=1'-0" (SALES - FIRST FLOOR)



A INTERIOR ELEVATION
A401 SCALE 1/4"=1'-0" (SALES - FIRST FLOOR)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC.29602
PH: (864) 232 6642

LICENSED ARCHITECT TERRY PHILLIPS JR. No. 8298 STATE OF MAINE 07.21.11

ARCH PROJECT # 1121907
DRAWN BY
PM

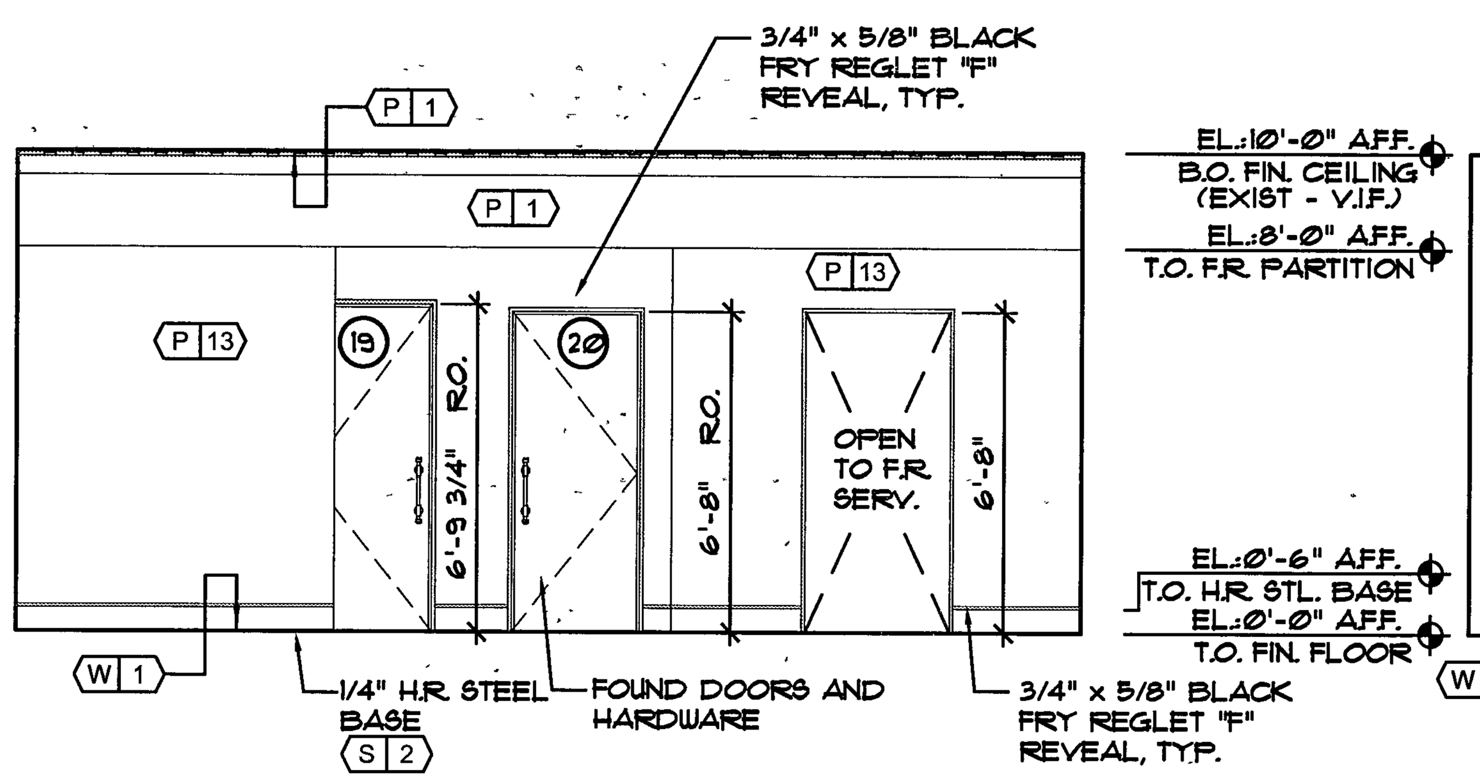
ISSUE / DATE
100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

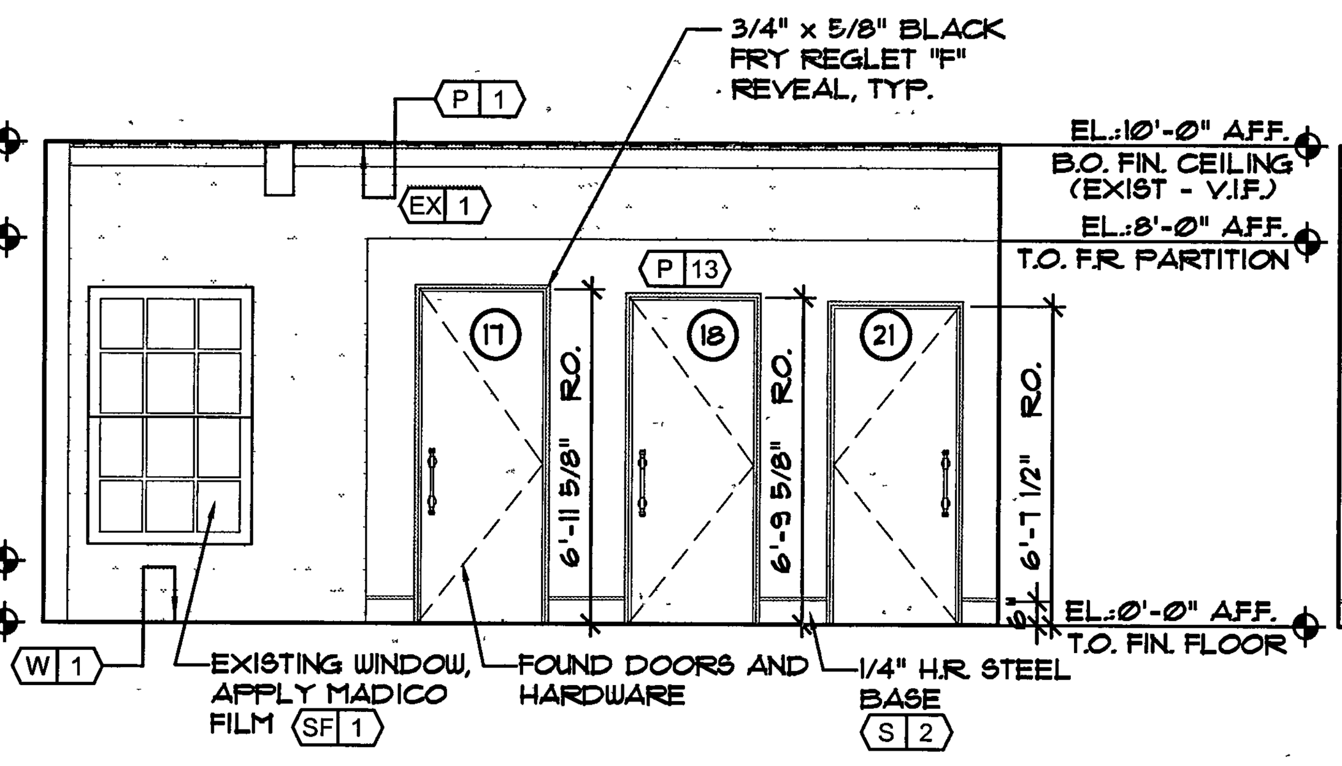
SHEET TITLE :
INTERIOR ELEVATIONS

SHEET NO. :
A401

SEE SHEET A604 FOR FR DOORS INFORMATION



L INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0" (FITT RM COMMON AREA)



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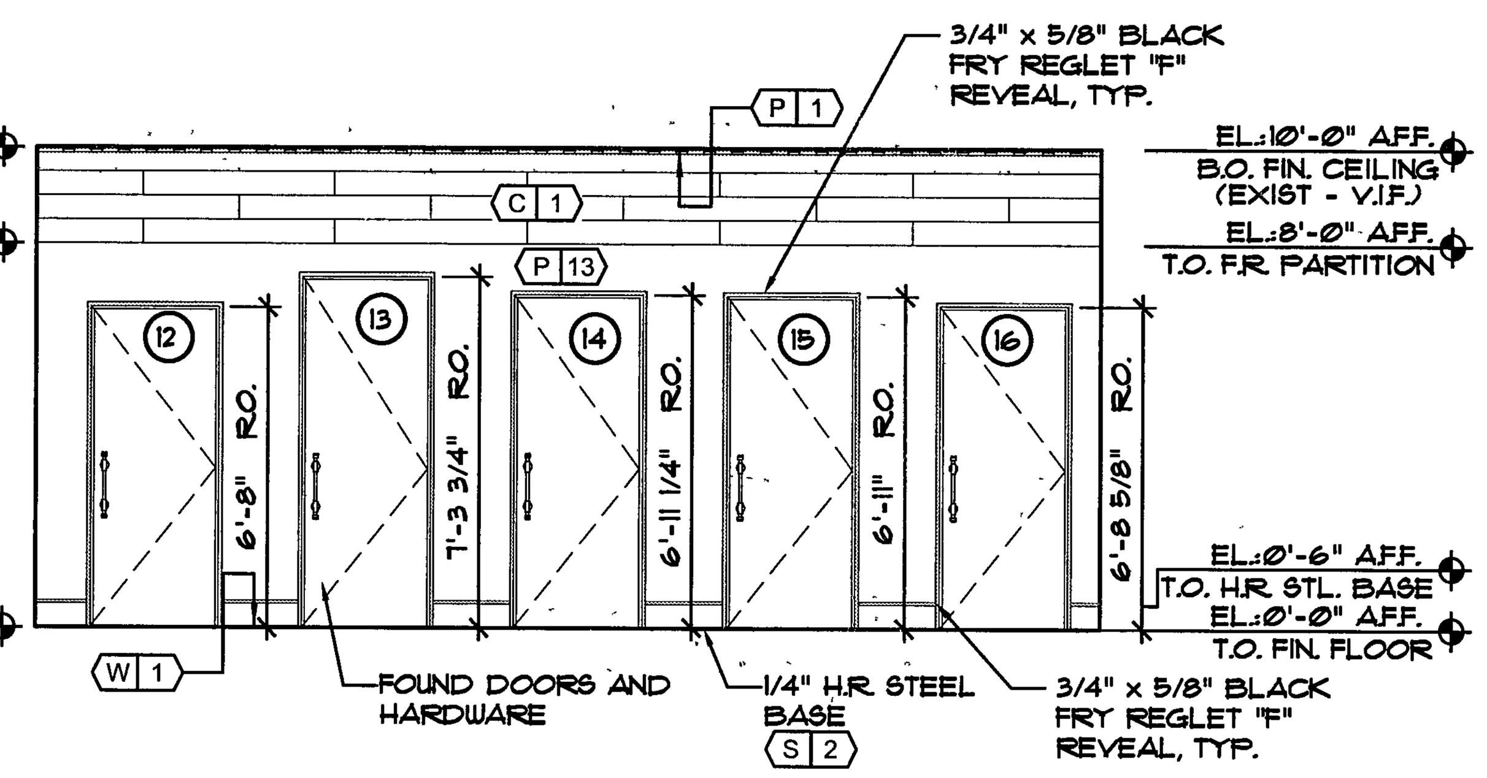
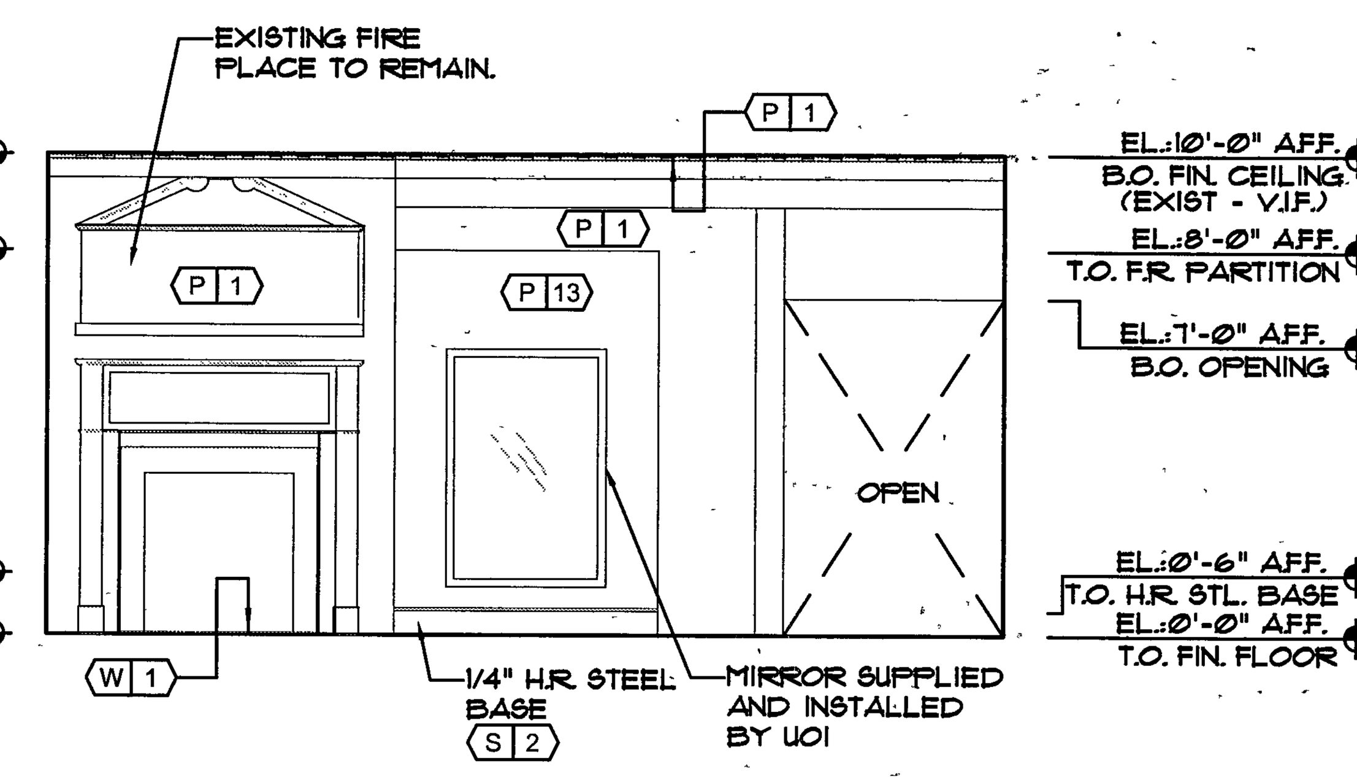
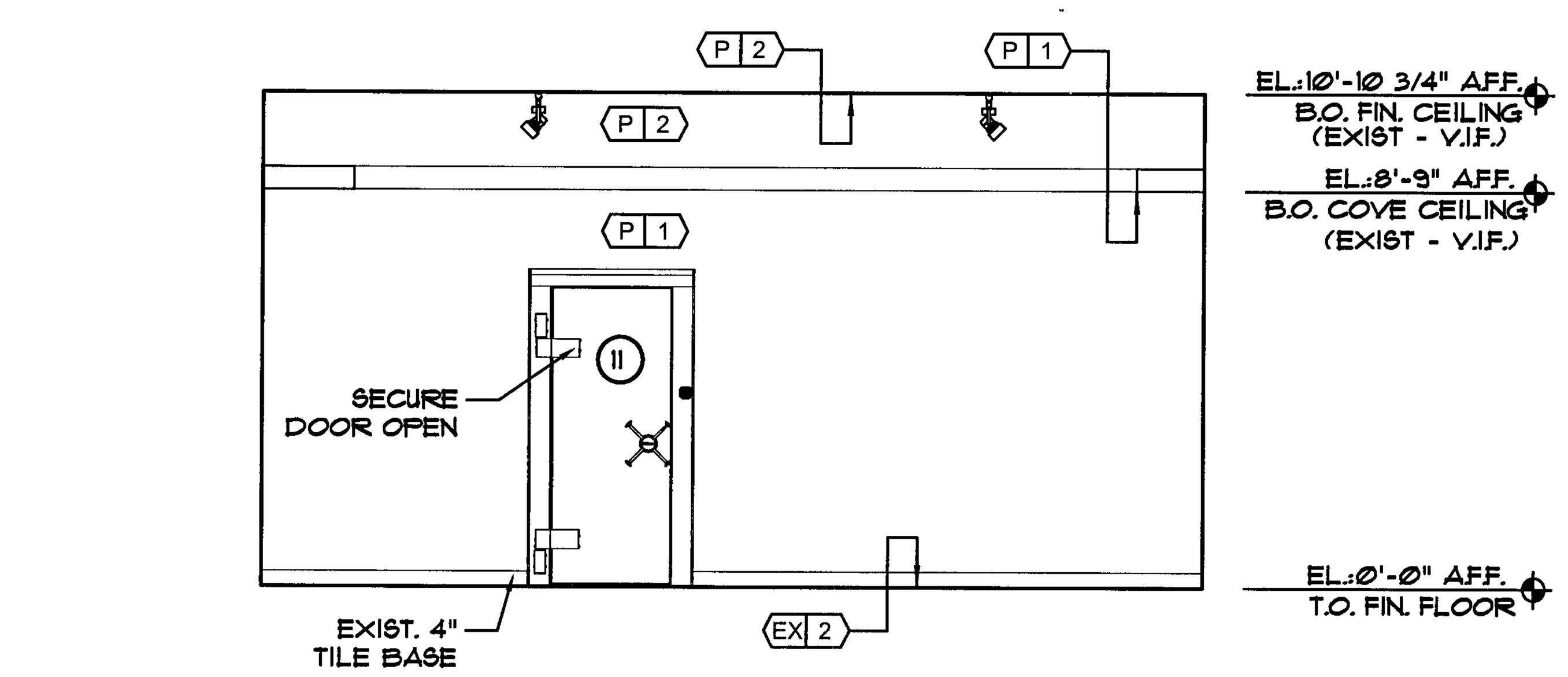
A402 SCALE 1/4"=1'-0" (FITT. RM COMMON AREA)



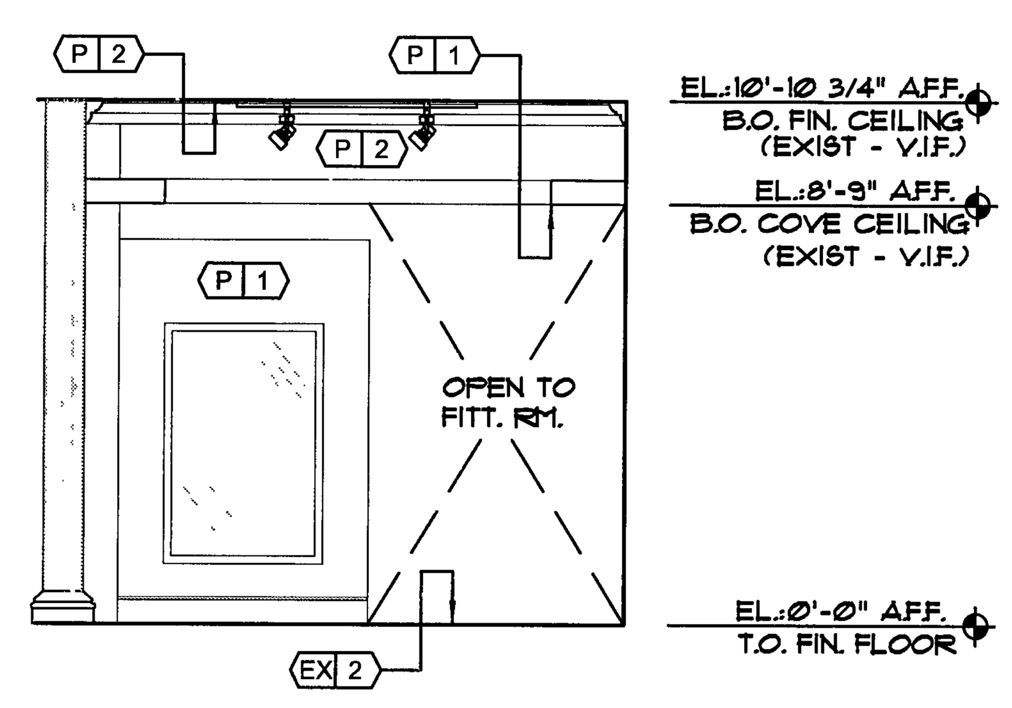
J INTERIOR ELEVATION
A402 SCALE: 1/4"=1'-0" (FITT RM COMMON AREA)



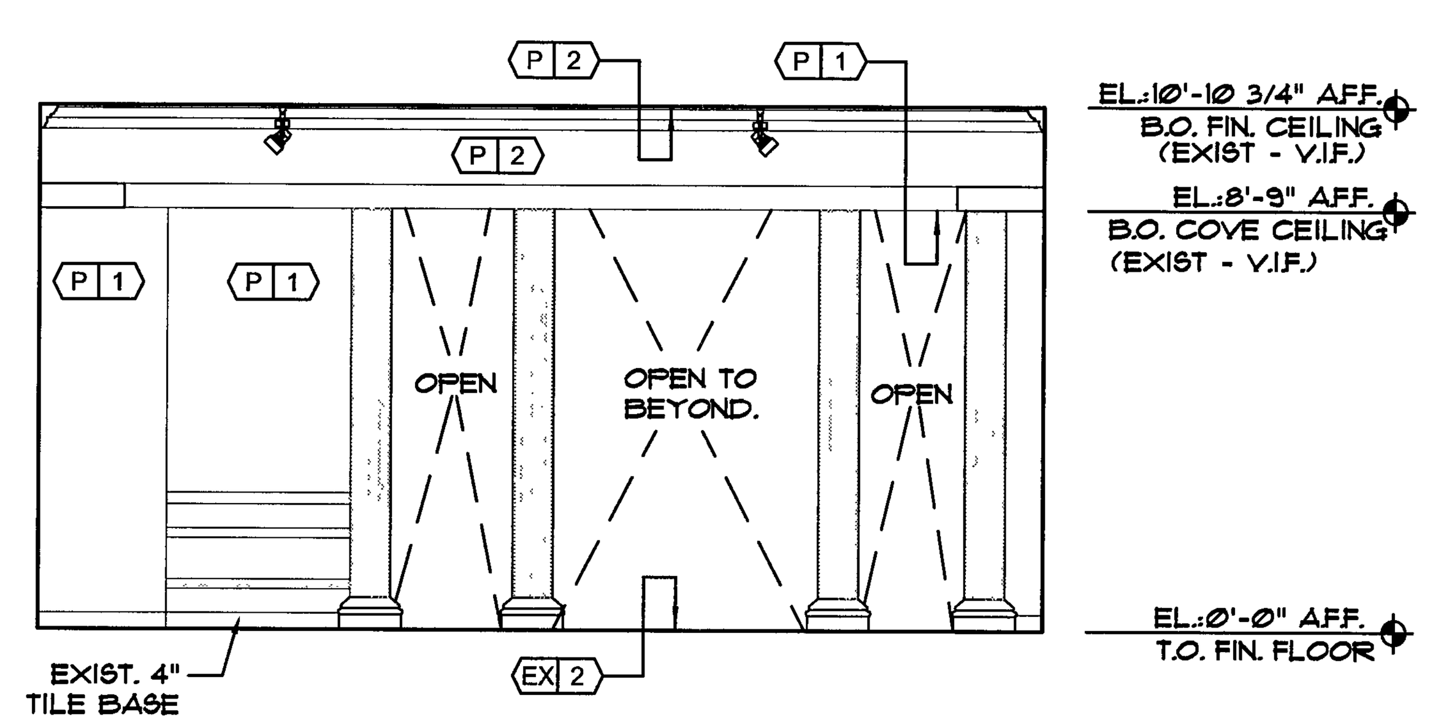
I INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0" (FITT RM COMMON AREA)



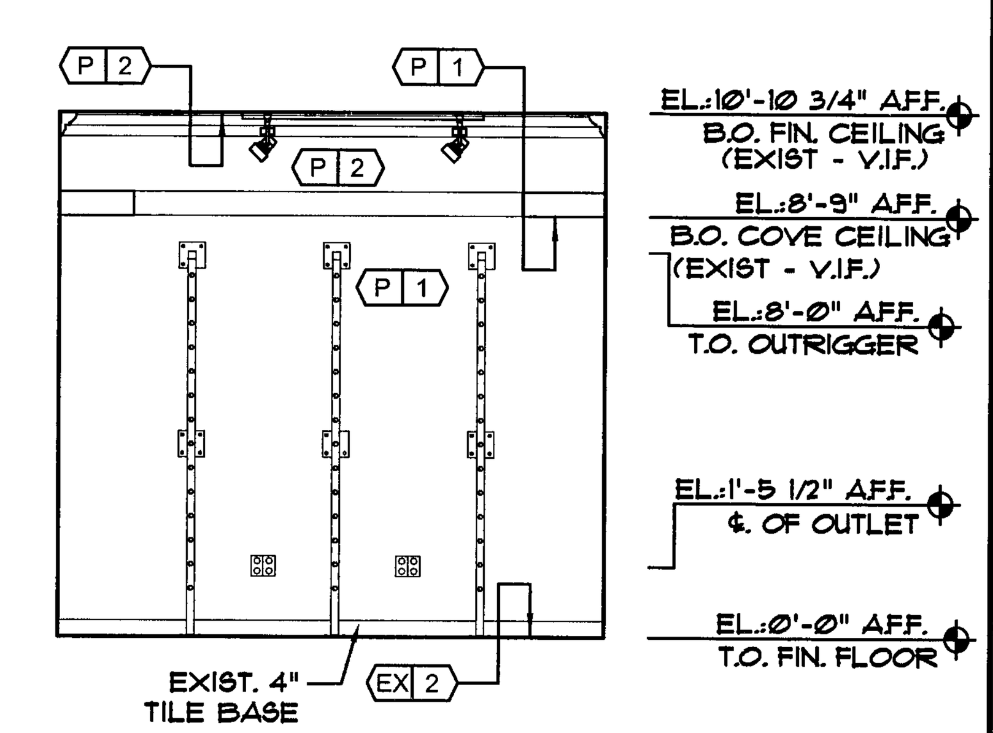
H INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0"



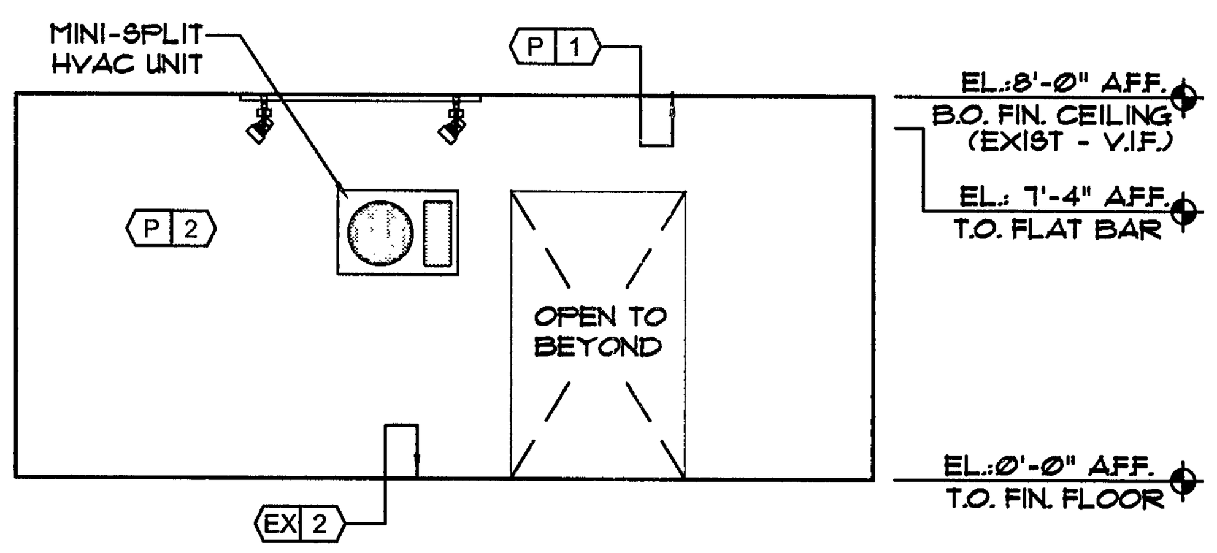
G INTERIOR ELEVATION
A402 SCALE: 1/4"=1'-0"



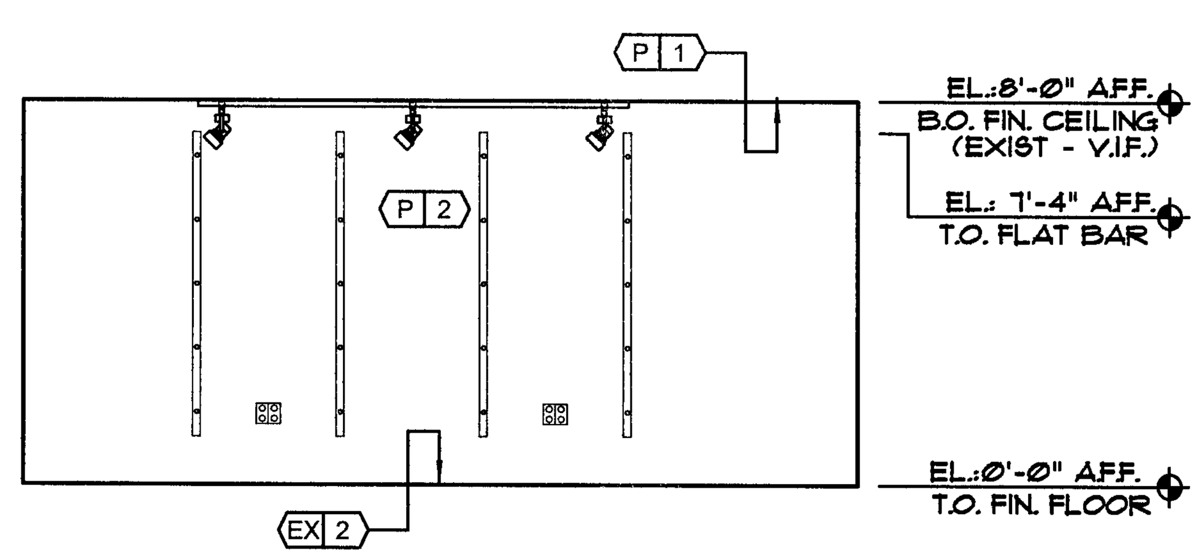
F INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0"



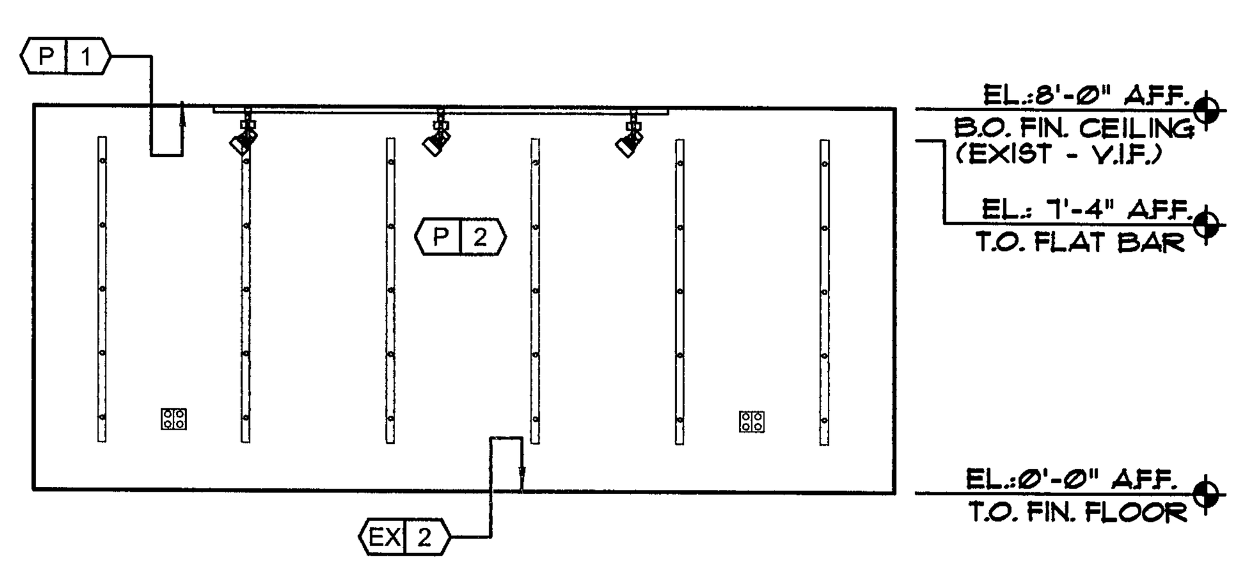
E INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0"



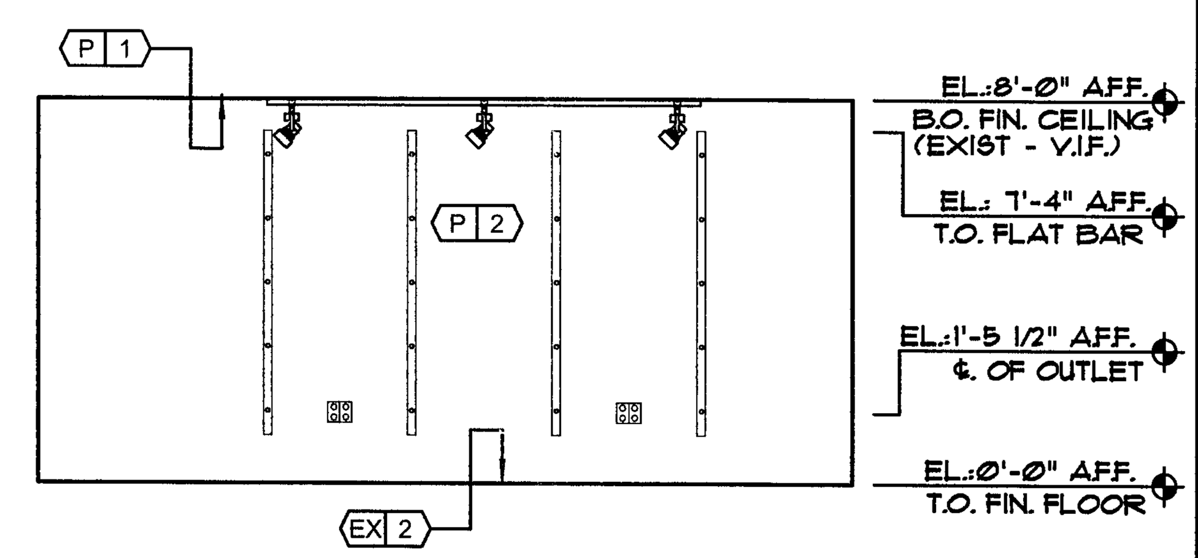
D INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0" (SALES ROOM)



C INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0" (SALES ROOM)



B INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0" (SALES ROOM)



A INTERIOR ELEVATION
A402 SCALE 1/4"=1'-0" (SALES ROOM)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

07.21.11

ARCH PROJECT # 1121907
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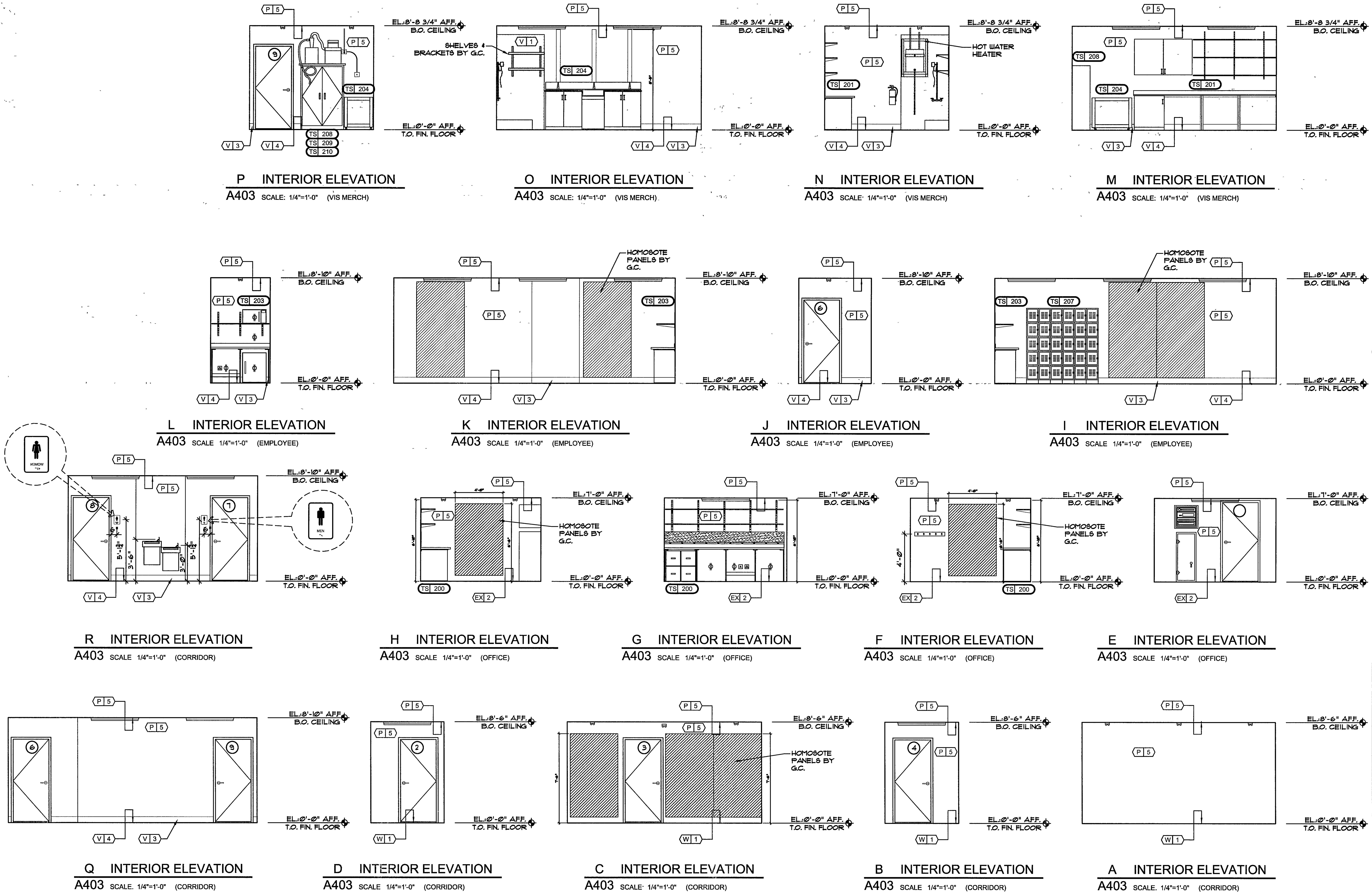
REVISION

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO
A402



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BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT · STATE OF MAINE

07-21-11

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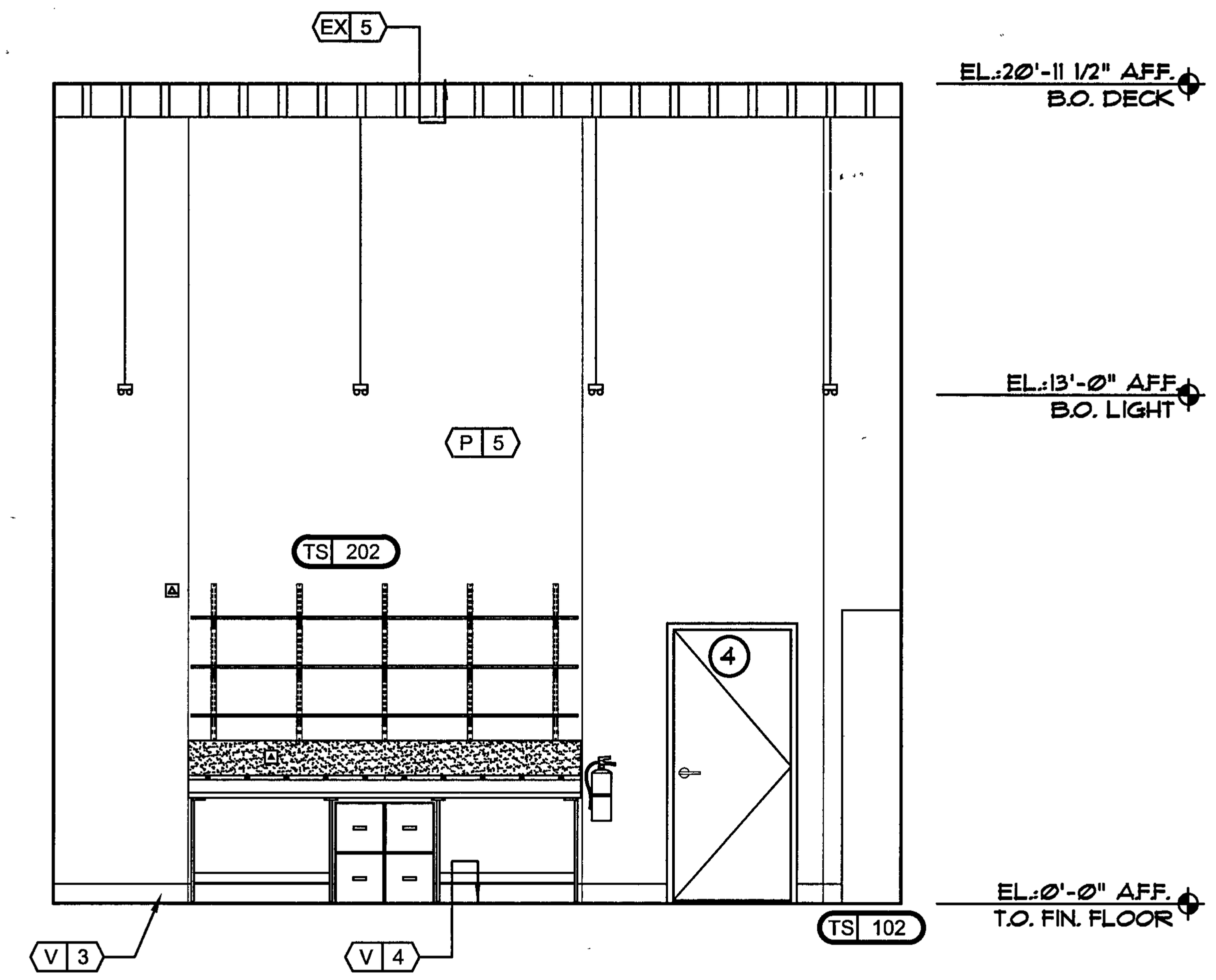
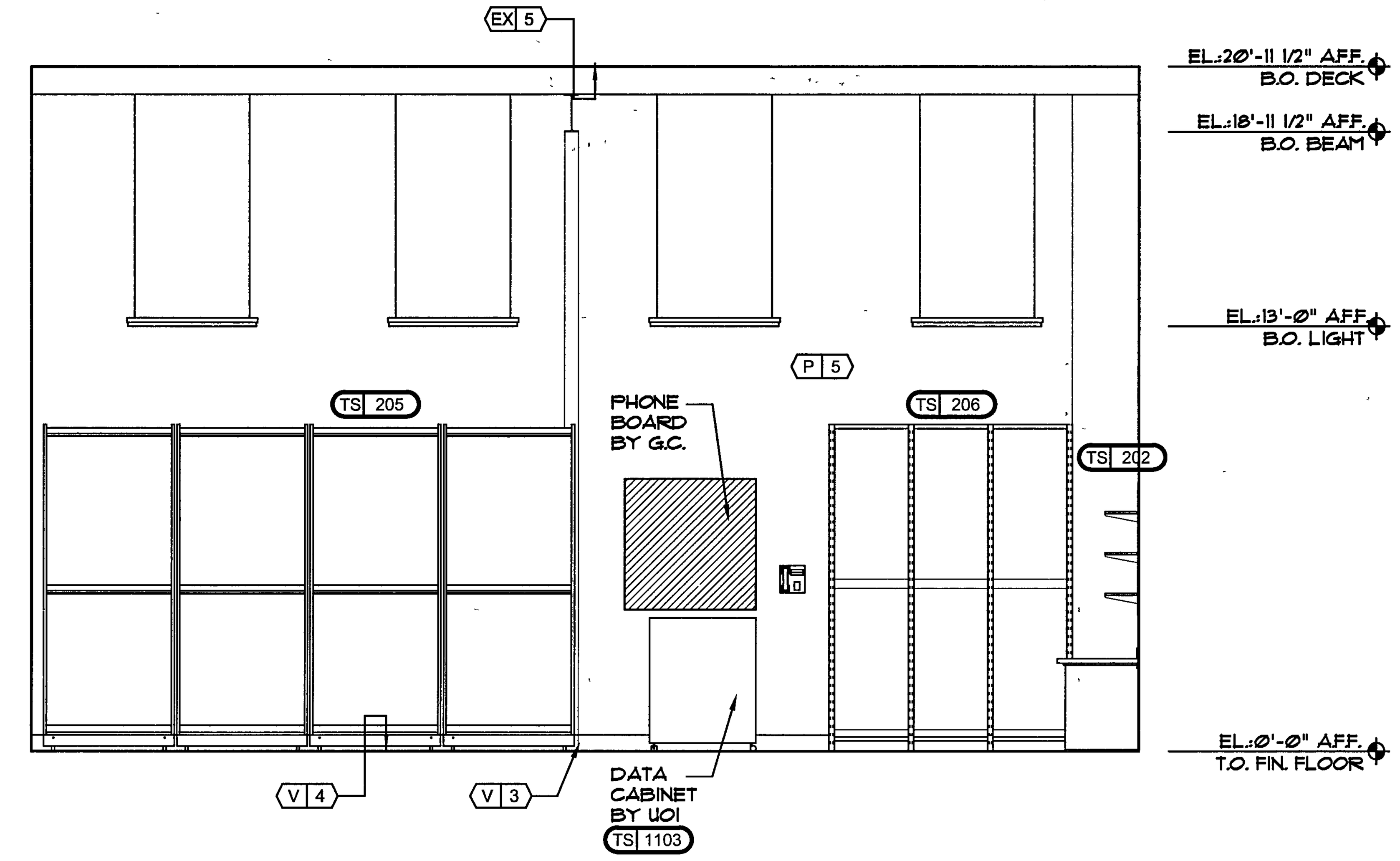
REVISION

SHEET TITLE
INTERIOR
ELEVATIONS

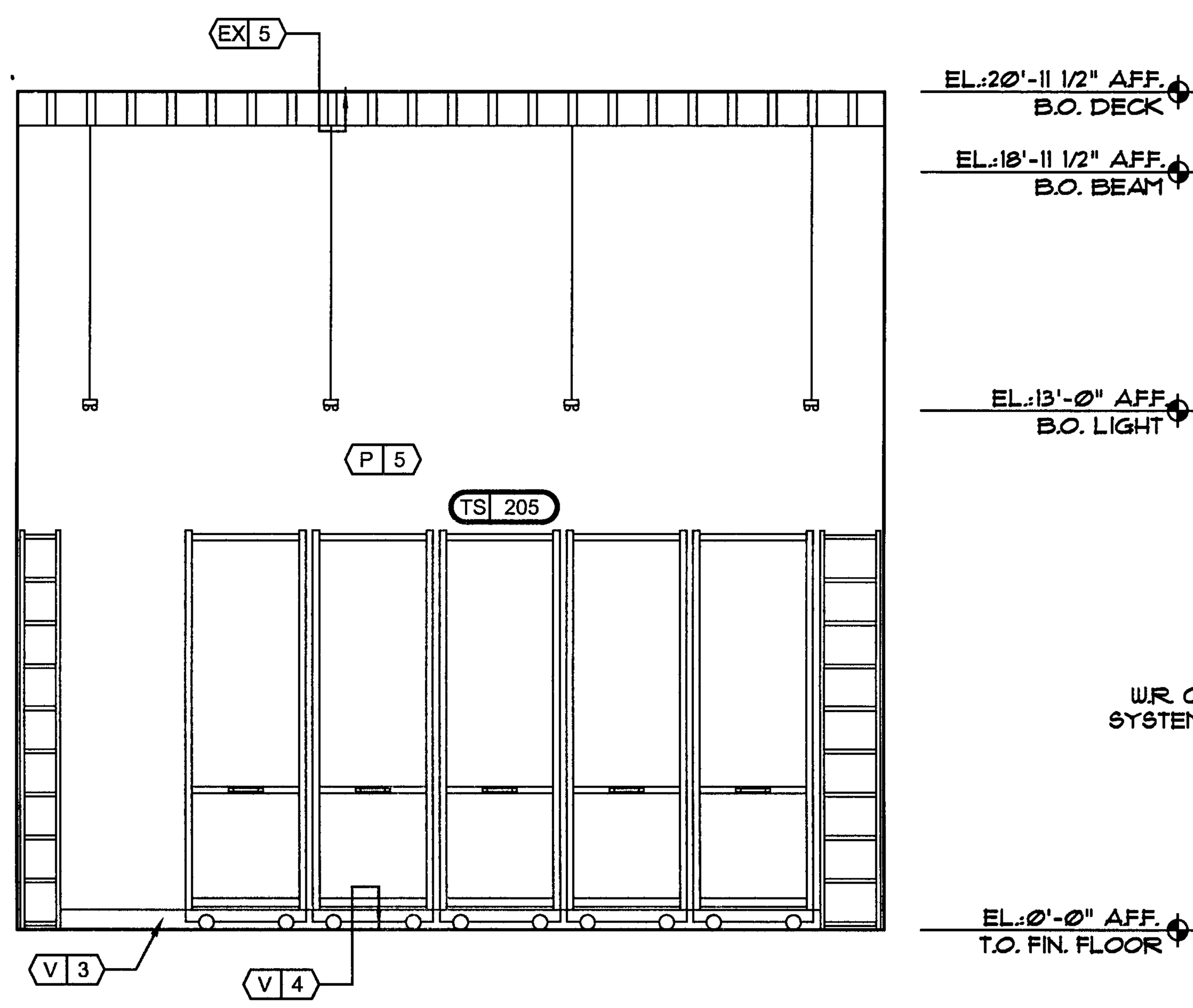
SHEET NO
A403



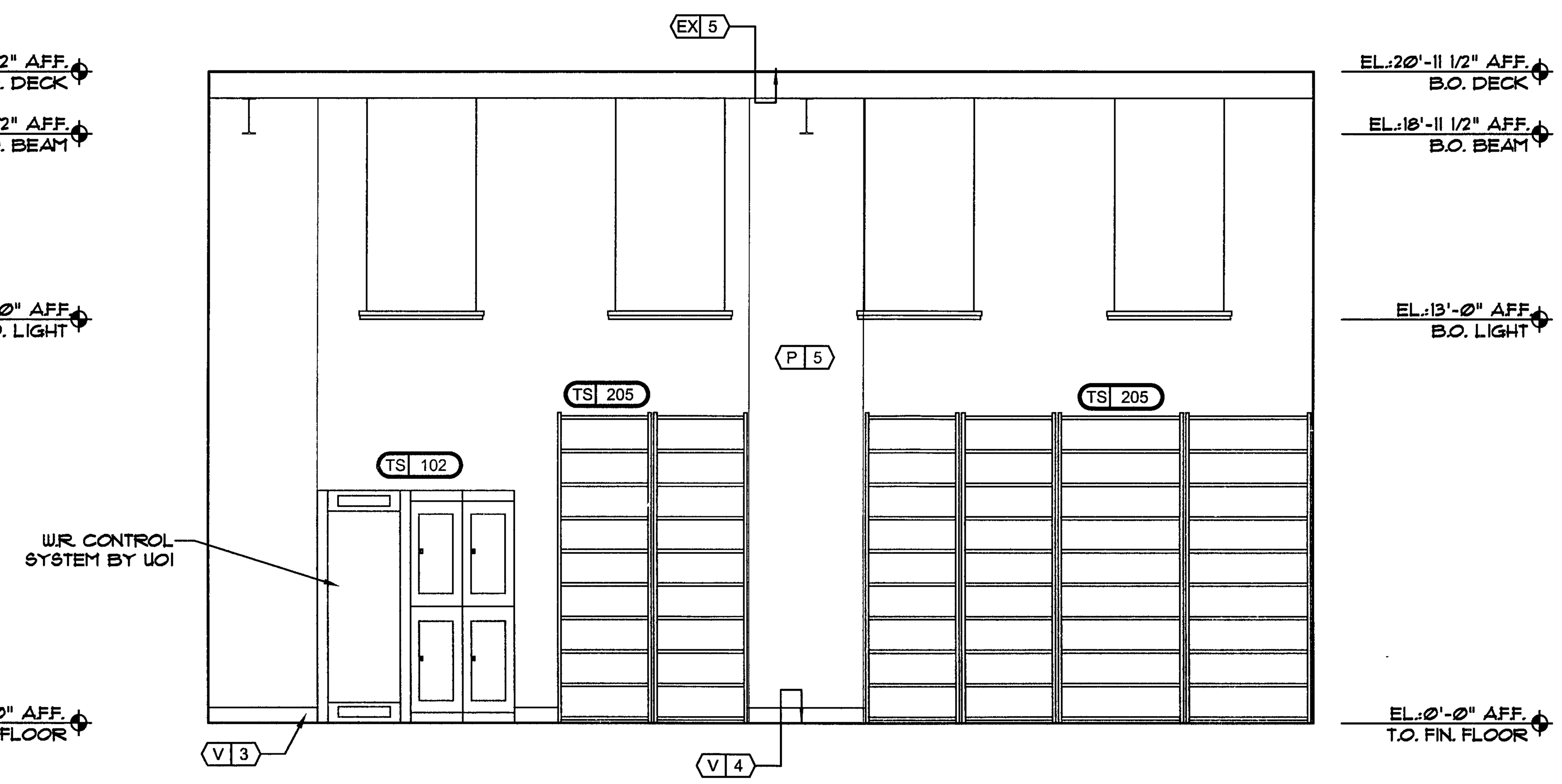
D INTERIOR ELEVATION
A404 SCALE 1/4"=1'-0" (STOCK)



C INTERIOR ELEVATION
A404 SCALE 1/4"=1'-0" (STOCK)



B INTERIOR ELEVATION
A404 SCALE 1/4"=1'-0" (STOCK)



A INTERIOR ELEVATION
A404 SCALE 1/4"=1'-0" (STOCK)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

07.21.11

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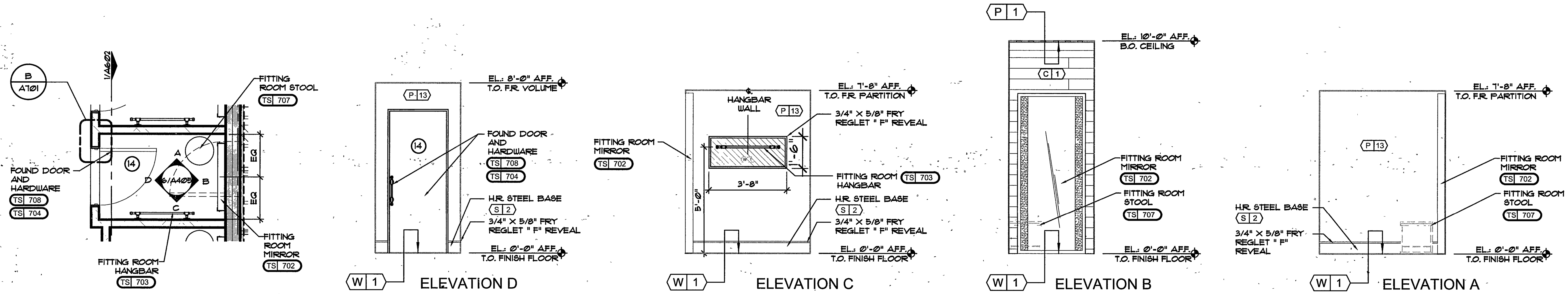
REVISION

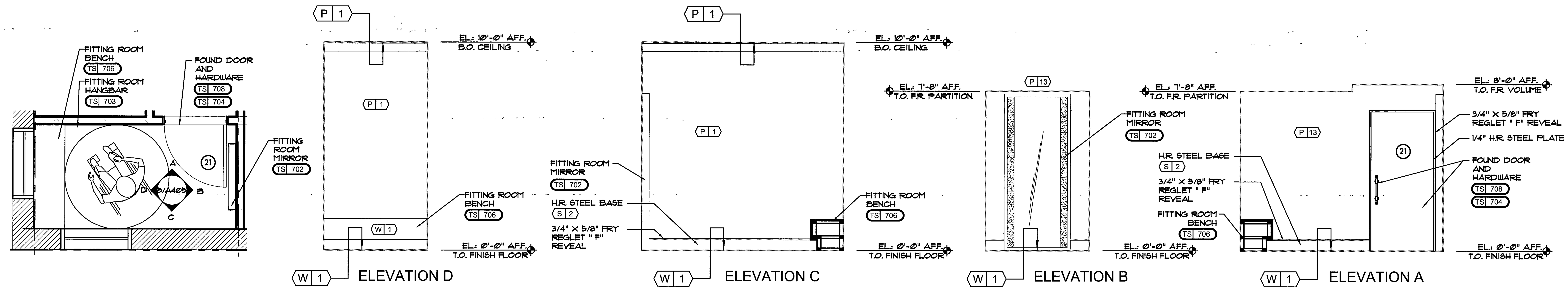
SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO. .
A404



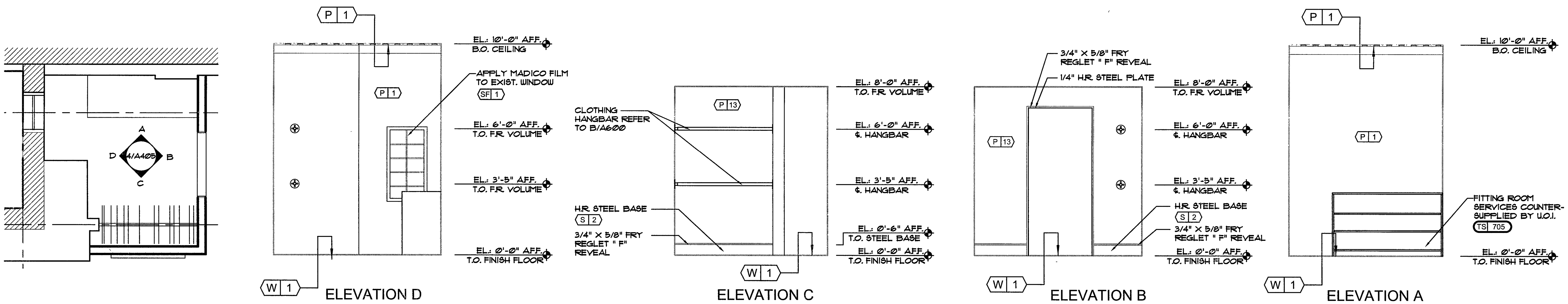
3 PLAN-FR SERVICES
A405 SCALE 3/8"=1'-0" (FITTING ROOM)

6 FITTING ROOM ELEVATIONS
A405 SCALE 3/8"=1'-0" (FITTING ROOM SERVICES)



2 PLAN-FR SERVICES
A405 SCALE 3/8"=1'-0" (ADA FITTING ROOM)

5 FITTING ROOM ELEVATIONS
A405 SCALE 3/8"=1'-0" (FITTING ROOM SERVICES)



1 PLAN-FR SERVICES
A405 SCALE 3/8"=1'-0" (FR SERVICES)

4 FITTING ROOM ELEVATIONS
A405 SCALE 3/8"=1'-0" (FITTING ROOM SERVICES)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

07.21.11

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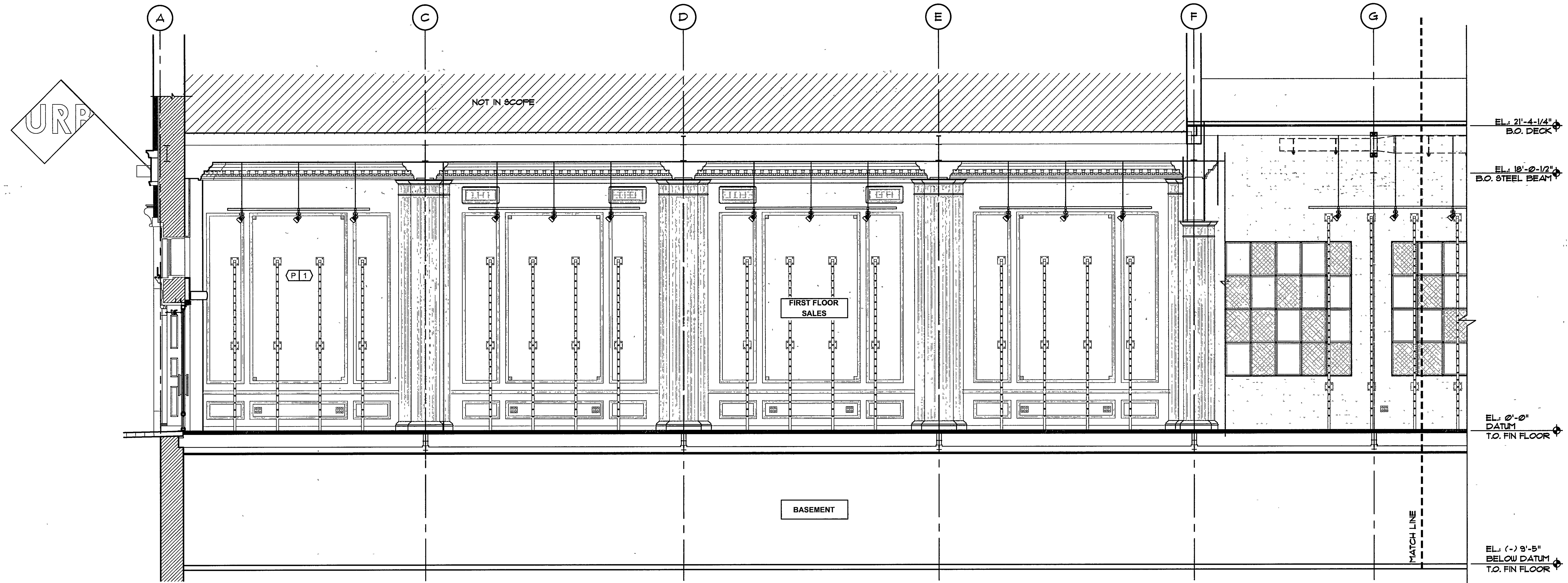
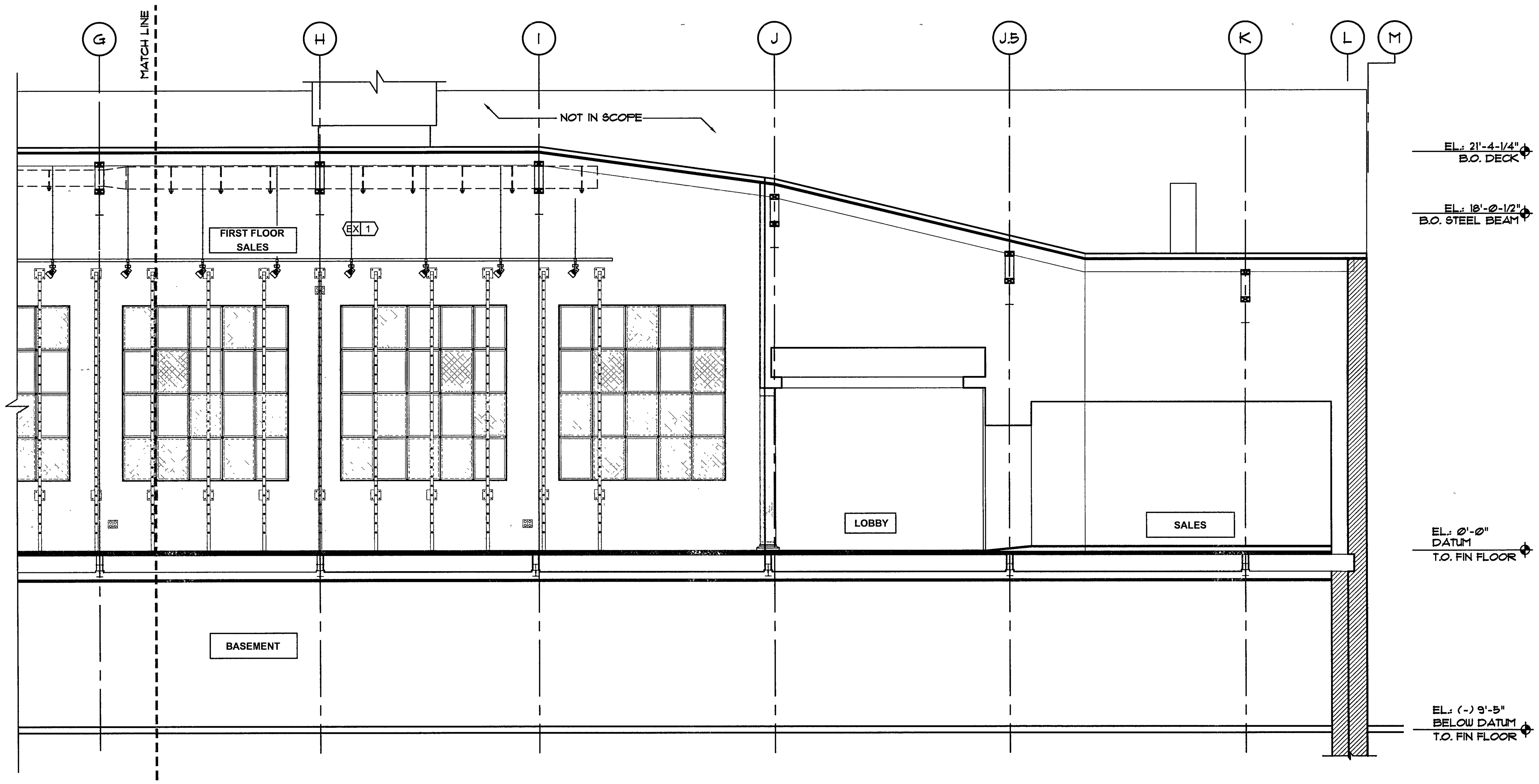
REVISION

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO
A405



2 BUILDING SECTION
A500 SCALE 1/4"=1'-0"



1 BUILDING SECTION
A500 SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT ... STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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PM/MRE

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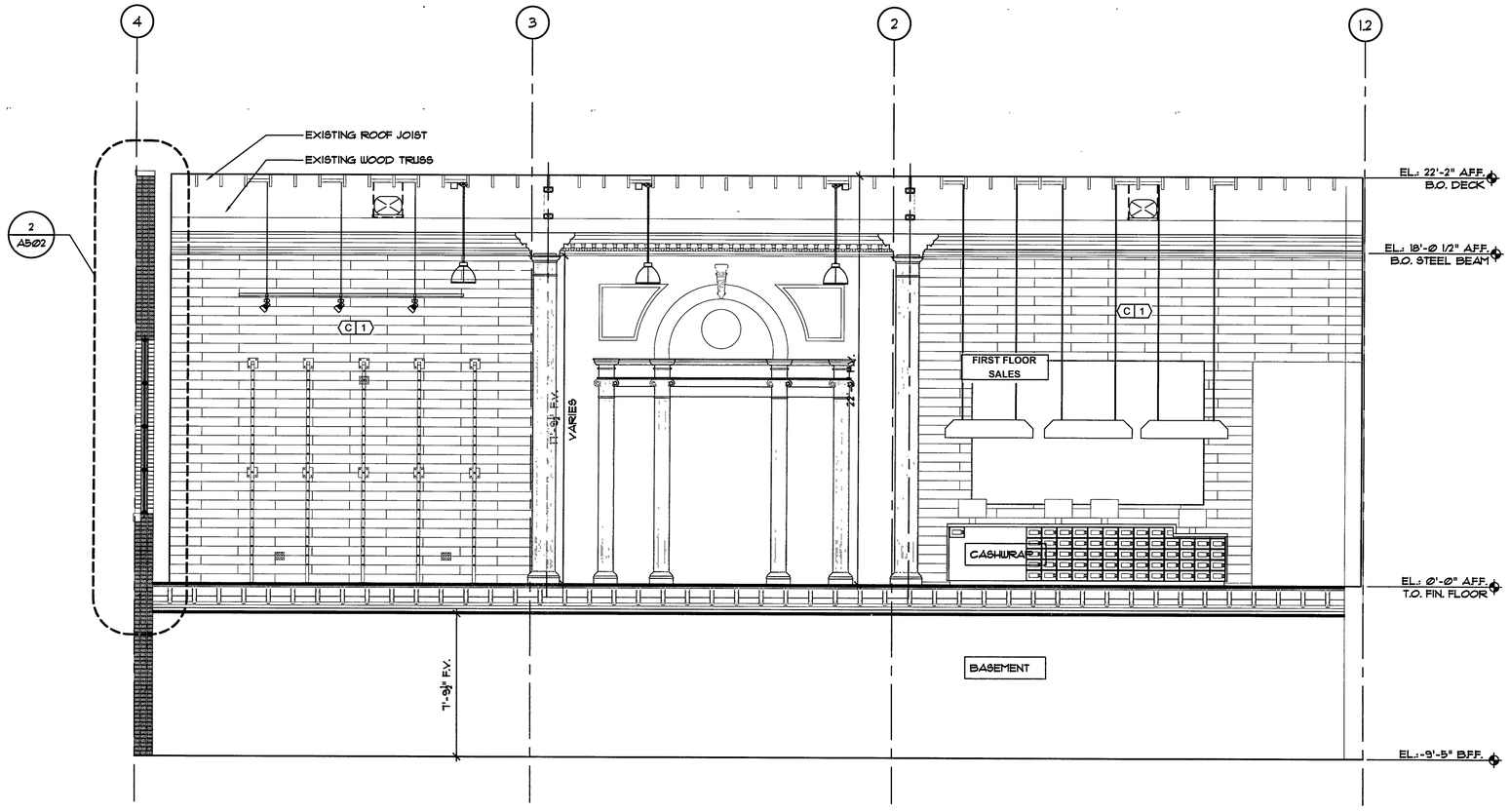
REVISION

SHEET TITLE
BUILDING SECTION

SHEET NO
A500



1 BUILDING SECTION

A501 SCALE 1/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. 2318
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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PM

ISSUE / DATE

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07-08-11
PERMIT/ BID SET
07-22-11
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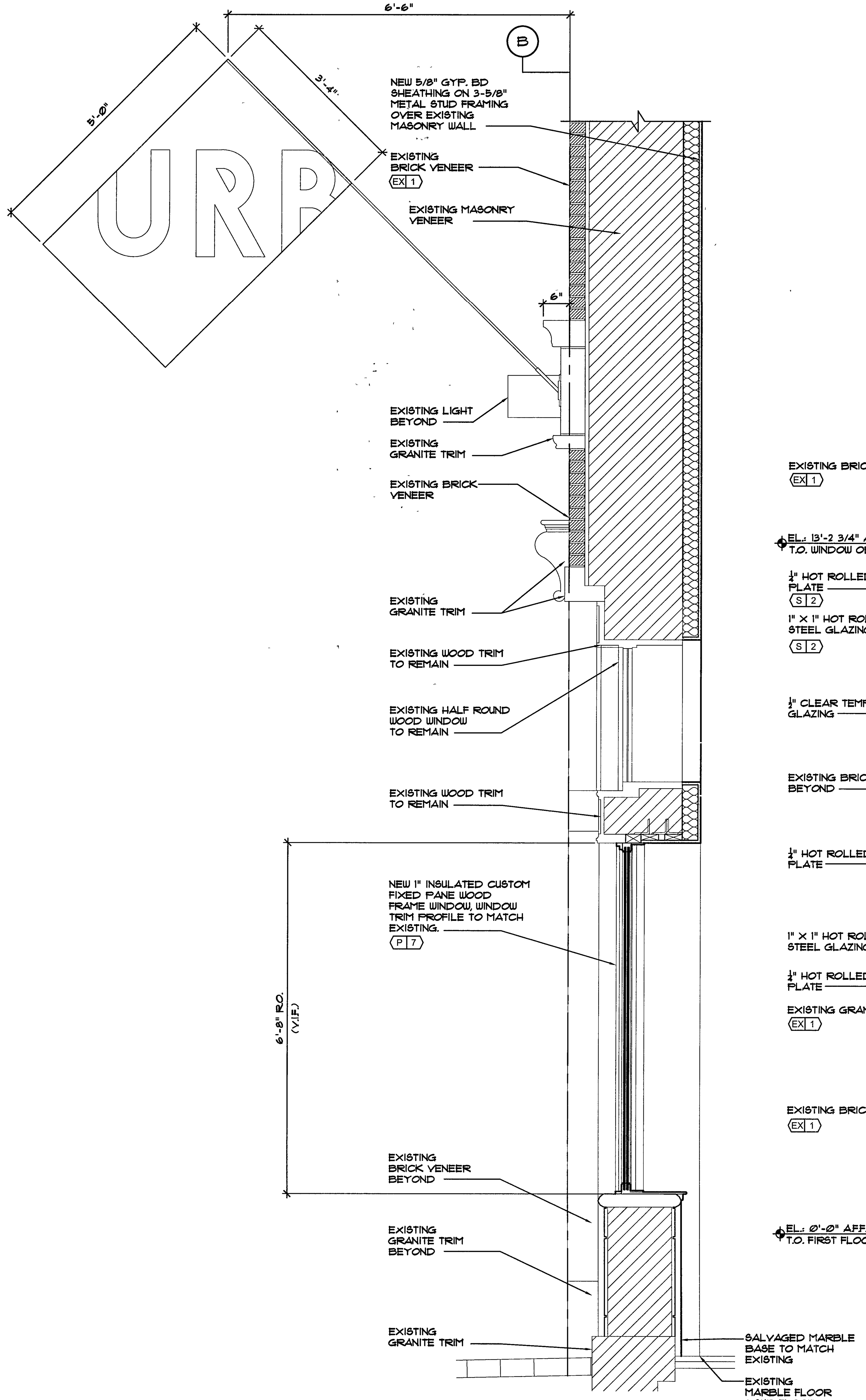
07-22-11

REVISION

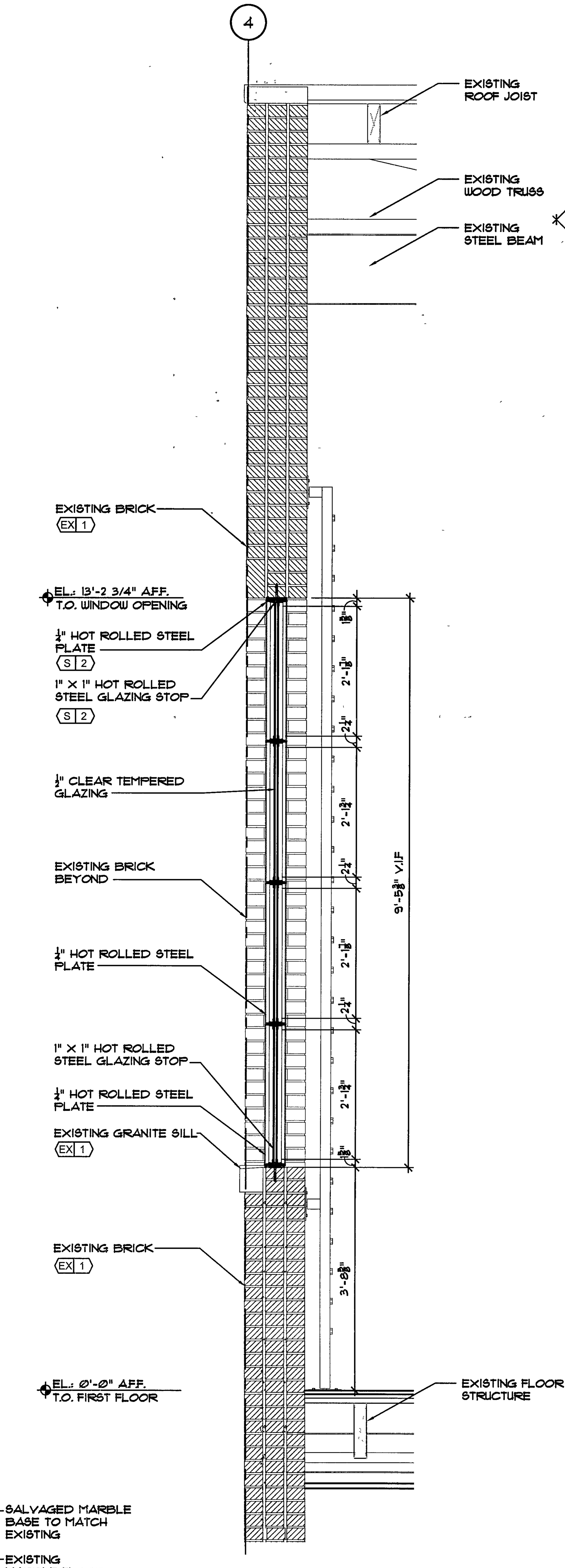
SHEET TITLE
BUILDING SECTION

SHEET NO
A501



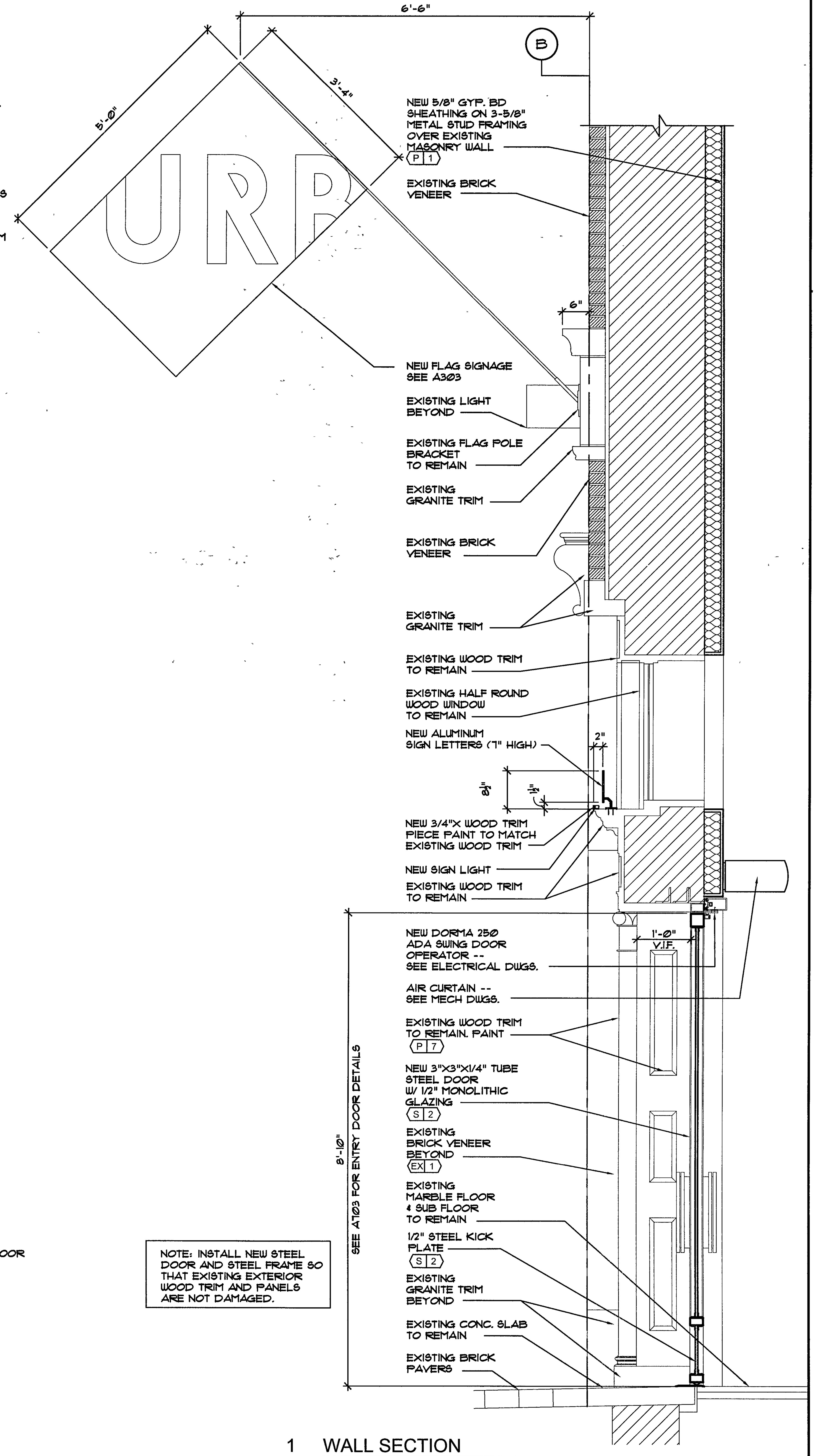
3 WALL SECTION

A502 SCALE 3/4"=1'-0"



2 WALL SECTION

A502 SCALE 3/4"=1'-0"



1 WALL SECTION

A502 SCALE 3/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT JERRY J. PHILLIPS, JR. STATE OF MAINE 7-21-11

ARCH PROJECT # 1121907
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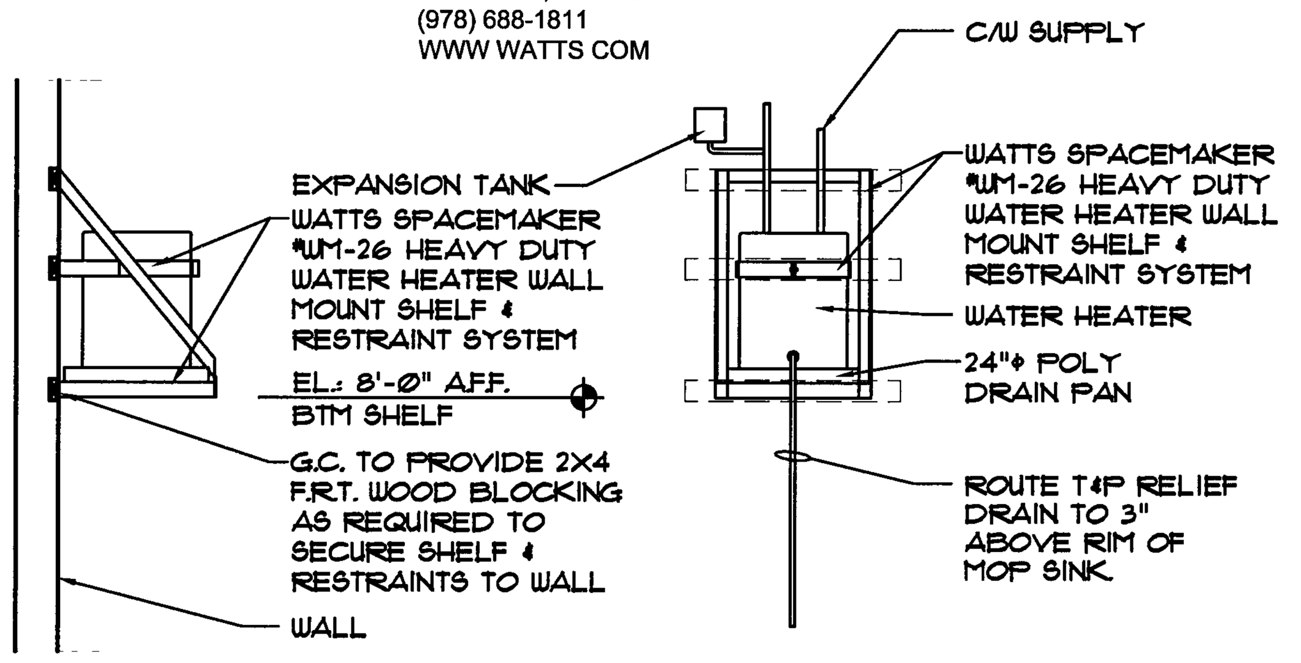
REVISION .

SHEET TITLE
WALL SECTIONS

SHEET NO
A502

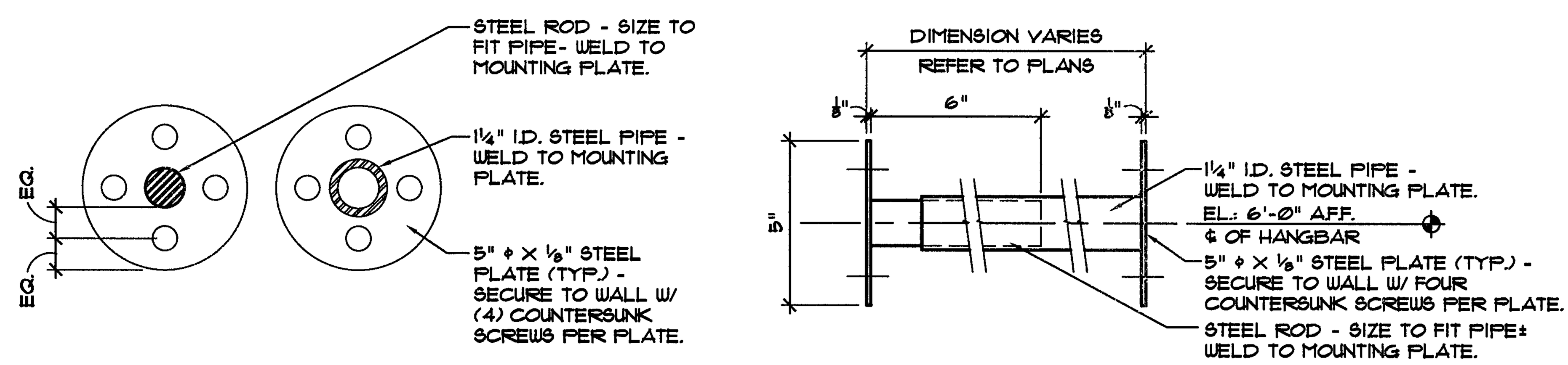
WATTS REGULATOR COMPANY
815 CHESTNUT STREET, NORTH
ANDOVER, MA 01845
(978) 688-1811
WWW WATTS COM



NOTE
G C TO REINFORCE STUD WALL AS REQUIRED TO SUPPORT WATER HEATER & SHELF WALL STUDS TO BE MINIMUM OF 20 GA

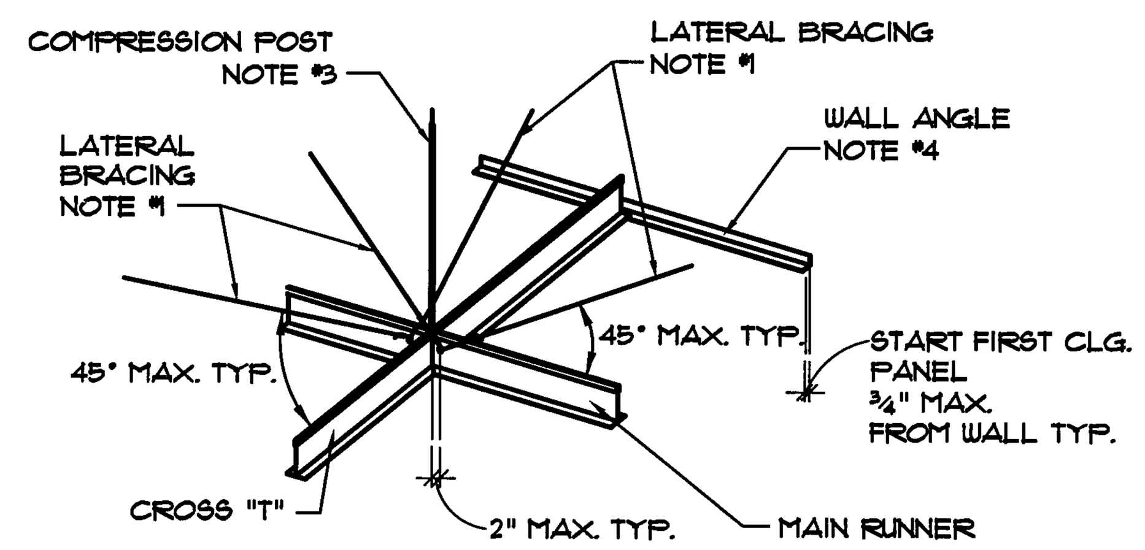
4 DETAIL- WATER HEATER- WALL HUNG

A600 SCALE 3/8"=1'-0"



3 DETAIL- FITTING ROOM SERVICES HANGBAR

A600 SCALE 3"=1'-0"



NOTES (ALSO REFER TO EVALUATION REPORTS No. ER-4071, ER-2244, ER-5691, ER-1994):

1. LATERAL BRACING CLUSTER:
(4) 12 GA. GALV. SOFT-ANNEALED MILD STL. WIRES SECURED TO MAIN RUNNER WITHIN 2" OF CROSS "T" AND SPLAYED 90 DEGREES FROM EACH OTHER AT 45° MAX. ABOVE HORIZ. CLUSTERS PLACED 12'-0" x 8'-0" O.C. AND 4'-0" MAX. FROM EACH WALL. WIRES SHOULD BE TAUT WITHOUT CAUSING CEILING TO LIFT. ATTACH WITH MIN. 4 TIGHT TURNS IN 1½" BOTH ENDS OF WIRE.

2. SUSPENSION WIRE:
12 GA. GALV. VERTICAL HANGAR WIRES. SECURE WIRE TO MAIN RUNNER WITHIN 2" OF CROSS "T". SUSP. WIRES TO OCCUR AT 4'-0" O.C. MAX. EACH WAY W/ MIN. 3 TIGHT TURNS IN 1½" BOTH ENDS.

3. COMPRESSION POST (VERTICAL STRUT):
FASTENED TO THE MAIN RUNNER EXTENDED TO AND FASTENED TO THE STRUCTURE ABOVE AND SPACED NOT MORE THAN 12 FEET ON CENTER IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6 FEET OF THE WALL. COMPRESSION POST TO BE STEEL SECTION WITH L/R RATIO OF 200 MAX. ATTACH TO MAIN RUNNERS WITH ¼" MACHINE BOLTS TO STRUCTURE WITH 3/16" DIA. POWER DRIVEN STUDS.

4. PROVIDE WALL ANGLE WITH MINIMUM 2" HORIZONTAL LEG AT PERIMETER WALLS AND INTERIOR FULL HEIGHT PARTITIONS.

5. FIRST CEILING TILE SHALL MAINTAIN 3/4" CLEARANCE FROM FINISH WALL SURFACE.

6. ALL SPRINKLER HEADS SHALL HAVE ½" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF THE SPRINKLER PIPES.

7. CABLE TRAYS, ELECTRICAL CONDUITS, AND PIPING SHALL BE INDEPENDENTLY SUPPORTED AND INDEPENDENTLY BRACED FROM THE STRUCTURE.

8. LIGHTING FIXTURES WEIGHING LESS THAN 56 POUNDS SHALL HAVE IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, TWO NR.12 GAGE(2.7MM) HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. WIRES MAY BE SLACK.

9. LIGHTING FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

10. POSITIVE BRACING TO THE STRUCTURE SHALL BE PROVIDED AT CHANGES IN THE CEILING PLANE OR AT DISCONTINUITIES IN THE CEILING GRID SYSTEM.

1 DETAIL- SUSPENDED GYP. BD. CEILING

A600 SCALE 3/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT STATE OF MAINE
7-21-11

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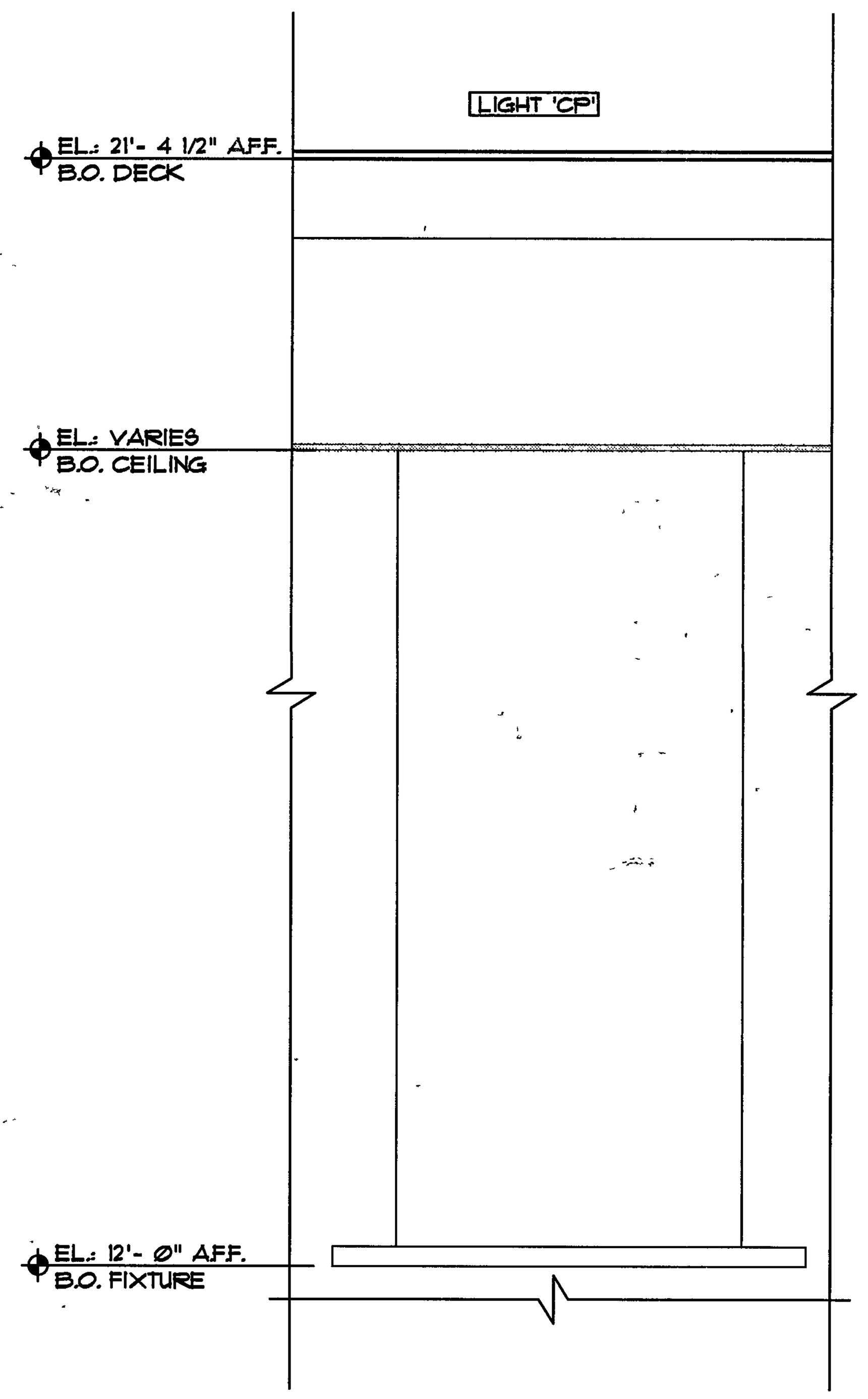
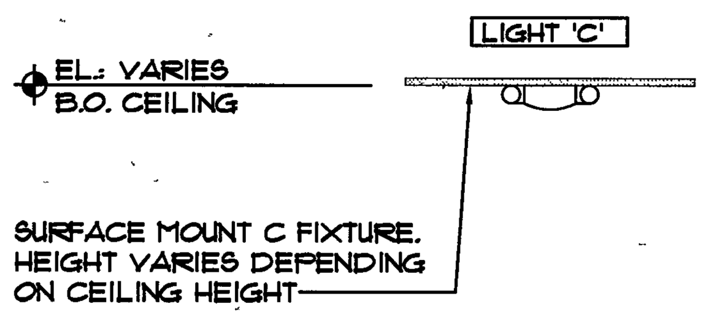
REVISION

SHEET TITLE
INTERIOR DETAILS

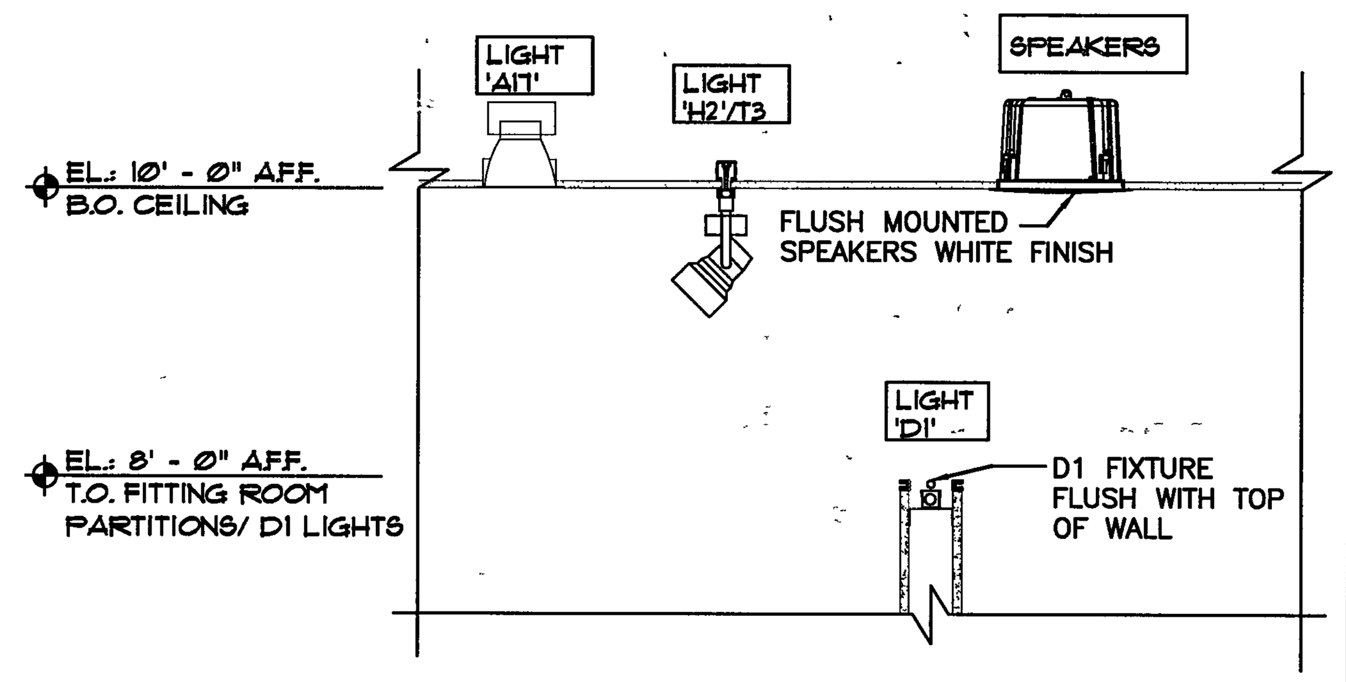
SHEET NO.
A600



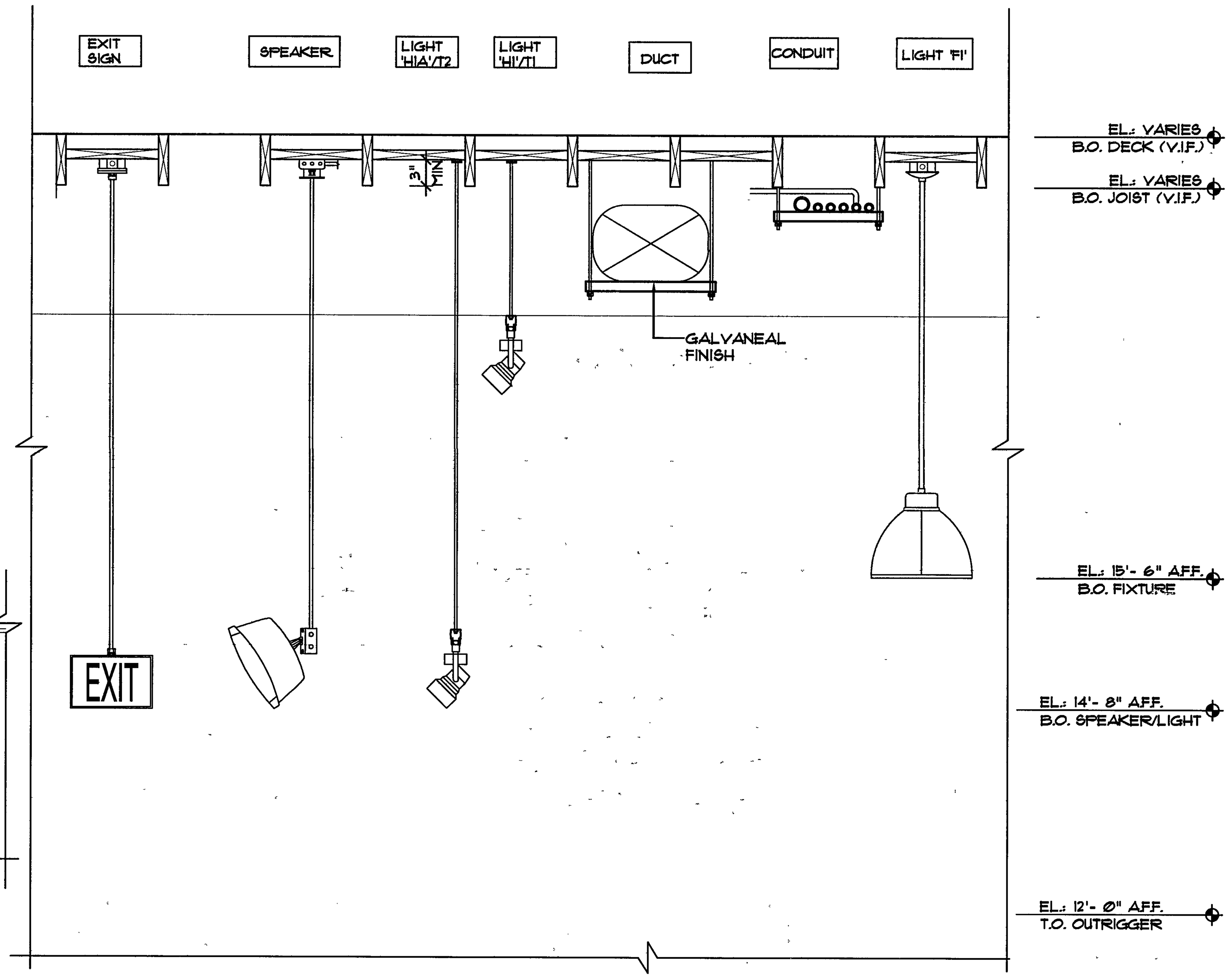
6 MOUNTING HEIGHT DETAIL - STORAGE
A601 SCALE 3/4"=1'-0"



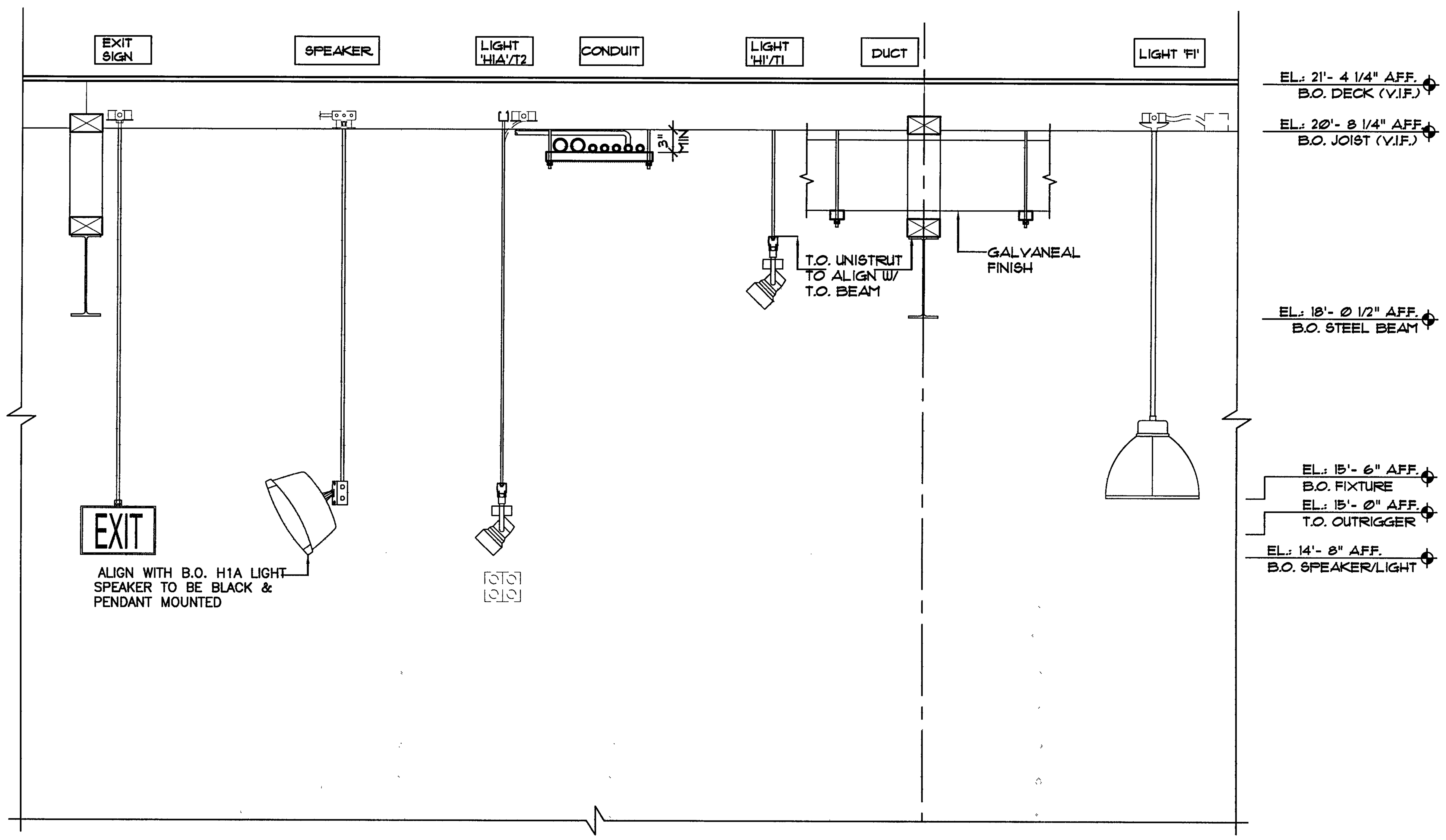
5 MOUNTING HEIGHT DETAIL - B.O.H.
A601 SCALE 3/4"=1'-0"



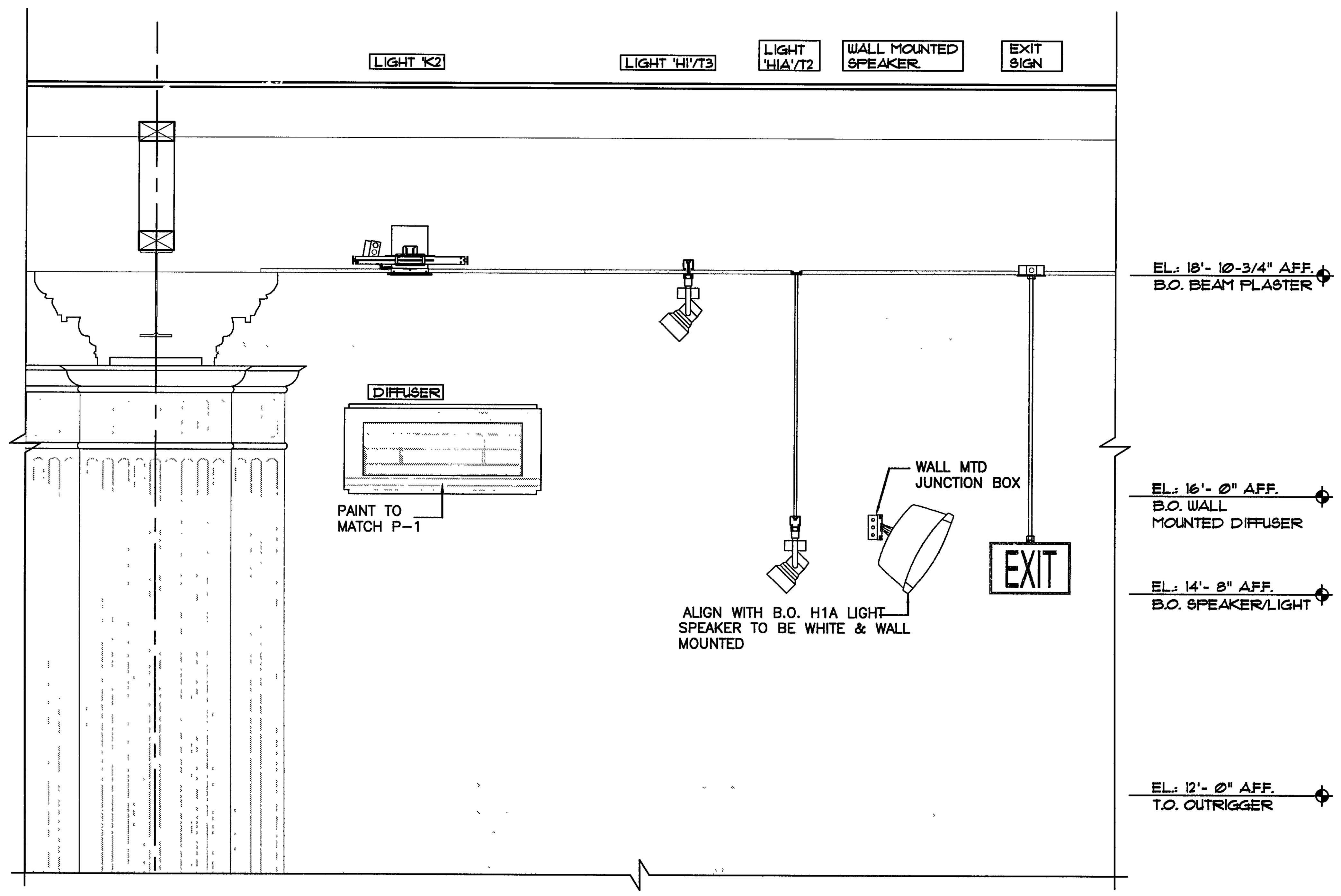
4 MOUNTING HEIGHT DETAIL - FITTING ROOMS
A601 SCALE 3/4"=1'-0"



3 MOUNTING HEIGHT DETAIL AT EXPOSED CEILING
A601 SCALE 3/4"=1'-0"



2 MOUNTING HEIGHT DETAIL AT EXPOSED CEILING
A601 SCALE 3/4"=1'-0"



1 MOUNTING HEIGHT DETAIL AT FINISHED CEILING
A601 SCALE 3/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT.:
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT STATE OF MAINE 07.21.11

ARCH PROJECT # 1121907
DRAWN BY
HM/ PM

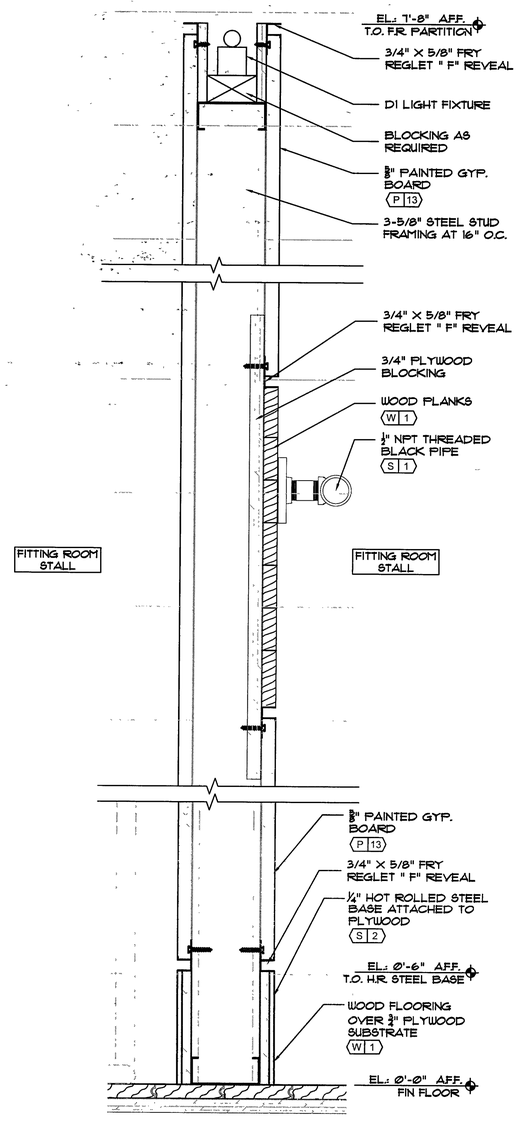
ISSUE / DATE

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION

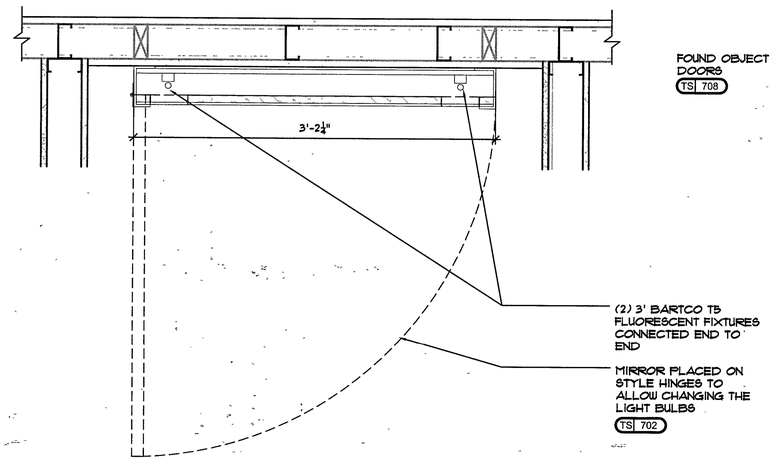
SHEET TITLE
INTERIOR DETAILS-
MOUNTING HEIGHTS

SHEET NO
A601



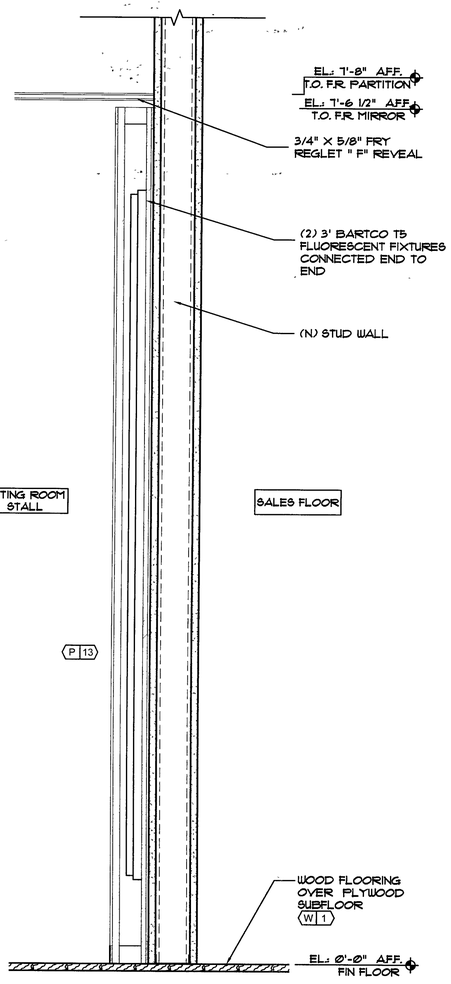
4 FITTING ROOM DETAIL

A602 SCALE 3"=1'-0"



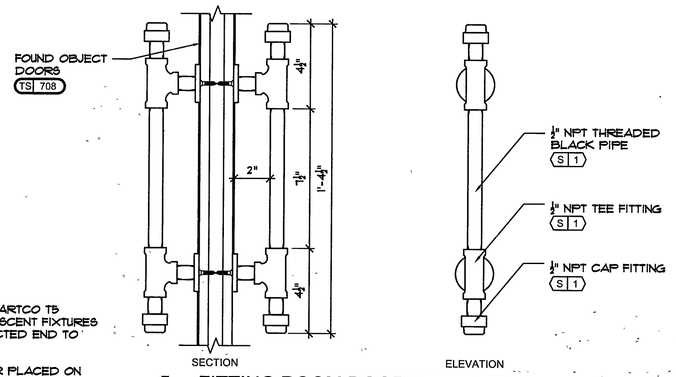
6 F.R. PLAN DETAIL

A602 SCALE 1 1/2"=1'-0"



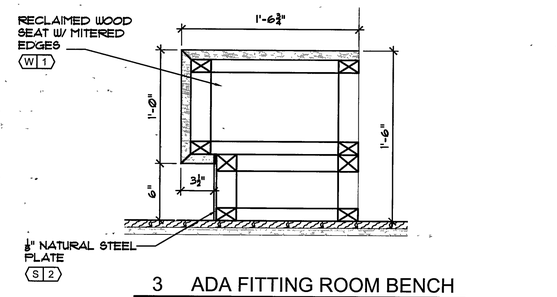
2 F.R. MIRROR SECTION DETAIL

A602 SCALE 1 1/2"=1'-0" TS 702



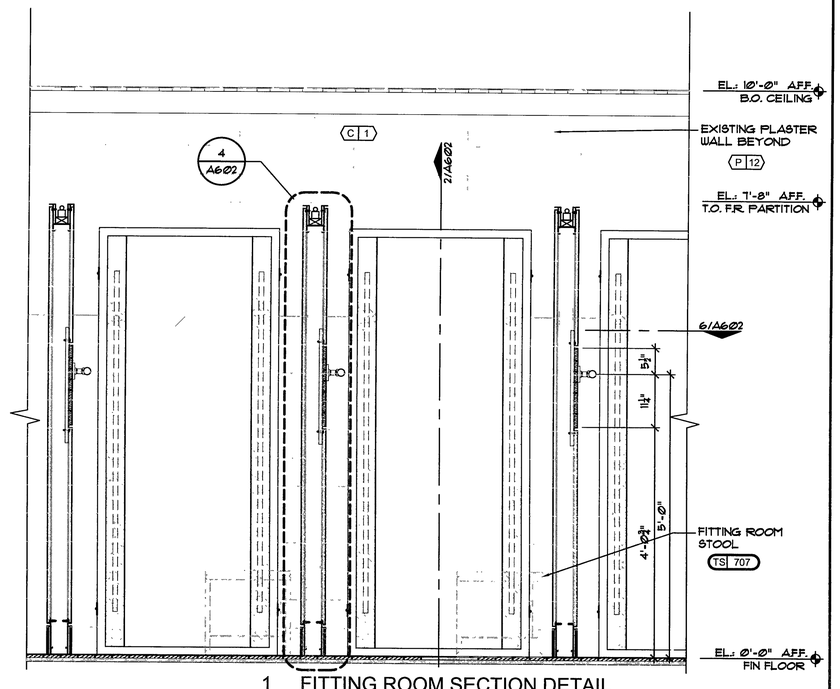
5 FITTING ROOM DOOR PULL DETAIL

A602 SCALE 3"=1'-0" TS 704



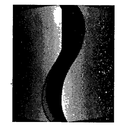
3 ADA FITTING ROOM BENCH

A602 SCALE 1 1/2"=1'-0" TS 706



1 FITTING ROOM SECTION DETAIL

A602 SCALE 3/4"=1'-0"



PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT
JEFFREY J. PHILLIPS JR.
No. 2698
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY

PM / HMW

ISSUE / DATE

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION

SHEET TITLE
INTERIOR DETAILS- FITTING ROOM

SHEET NO .
A602

NOT USED

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
DRAWN BY
DB

ISSUE / DATE

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07-22-11
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07-22-11

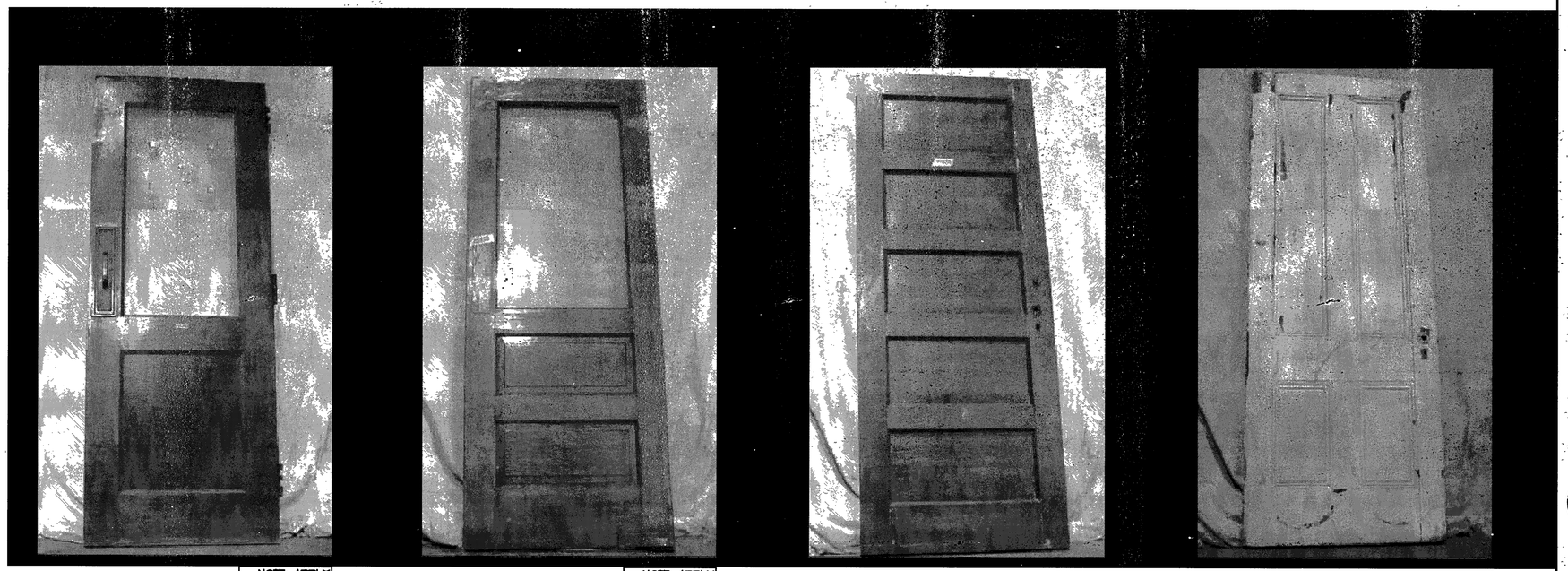
REVISION

SHEET TITLE
NOT USED

SHEET NO
A603

FR DOOR # 21

DOOR THICKNESS 1- 3/4"
DOOR WIDTH 30"
DOOR HEIGHT 79- 1/4"



FR DOOR # 20

DOOR THICKNESS 1- 3/8"
DOOR WIDTH 30"
DOOR HEIGHT 79- 3/4"

NOTE: APPLY MADICO WINDOW (SF 1) FILM

FR DOOR # 19

DOOR THICKNESS 1- 3/8"
DOOR WIDTH 30-1/8"
DOOR HEIGHT 81- 1/2"

NOTE: APPLY MADICO WINDOW (SF 1) FILM

FR DOOR # 18

DOOR THICKNESS 1- 3/8"
DOOR WIDTH 30"
DOOR HEIGHT 81- 3/8"

FR DOOR # 17

DOOR THICKNESS 1- 3/4"
DOOR WIDTH 31-5/8"
DOOR HEIGHT 83- 3/8"

FR DOOR # 16

DOOR THICKNESS 1- 3/4"
DOOR WIDTH 31"
DOOR HEIGHT 80- 3/8"

NOTE: APPLY MADICO WINDOW (SF 1) FILM

FR DOOR # 15

DOOR THICKNESS 1- 3/4"
DOOR WIDTH 32"
DOOR HEIGHT 82-3/4"

NOTE: APPLY MADICO WINDOW (SF 1) FILM

FR DOOR # 14

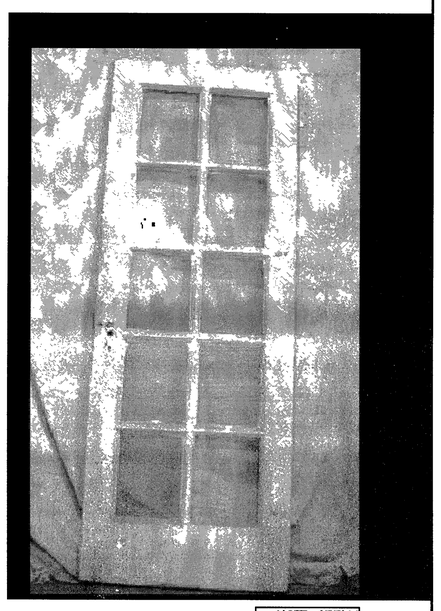
DOOR THICKNESS 1- 3/4"
DOOR WIDTH 32"
DOOR HEIGHT 83"

NOTE: APPLY MADICO WINDOW (SF 1) FILM

FR DOOR # 13

DOOR THICKNESS 1- 3/4"
DOOR WIDTH 36"
DOOR HEIGHT 87-1/2"

NOTE: APPLY MADICO WINDOW (SF 1) FILM



FR DOOR # 12

DOOR THICKNESS 1- 3/4"
DOOR WIDTH 31-3/4"
DOOR HEIGHT 79-3/4"

NOTE: APPLY MADICO WINDOW (SF 1) FILM

FR DOORS

A604 SCALE NTS

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. 2938
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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HM/PM/MRE

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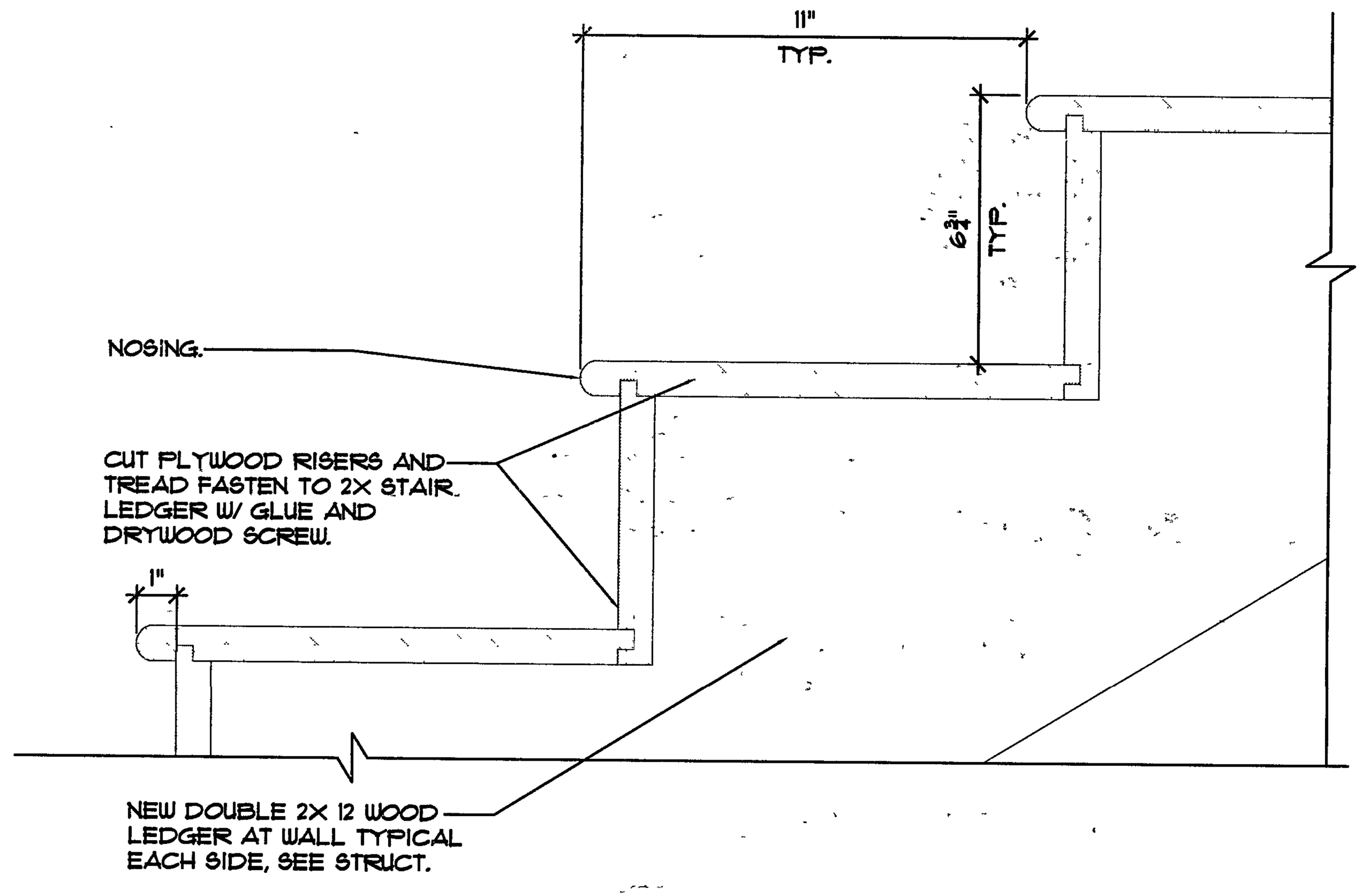
ISSUED FOR CONSTRUCTION
07-22-11

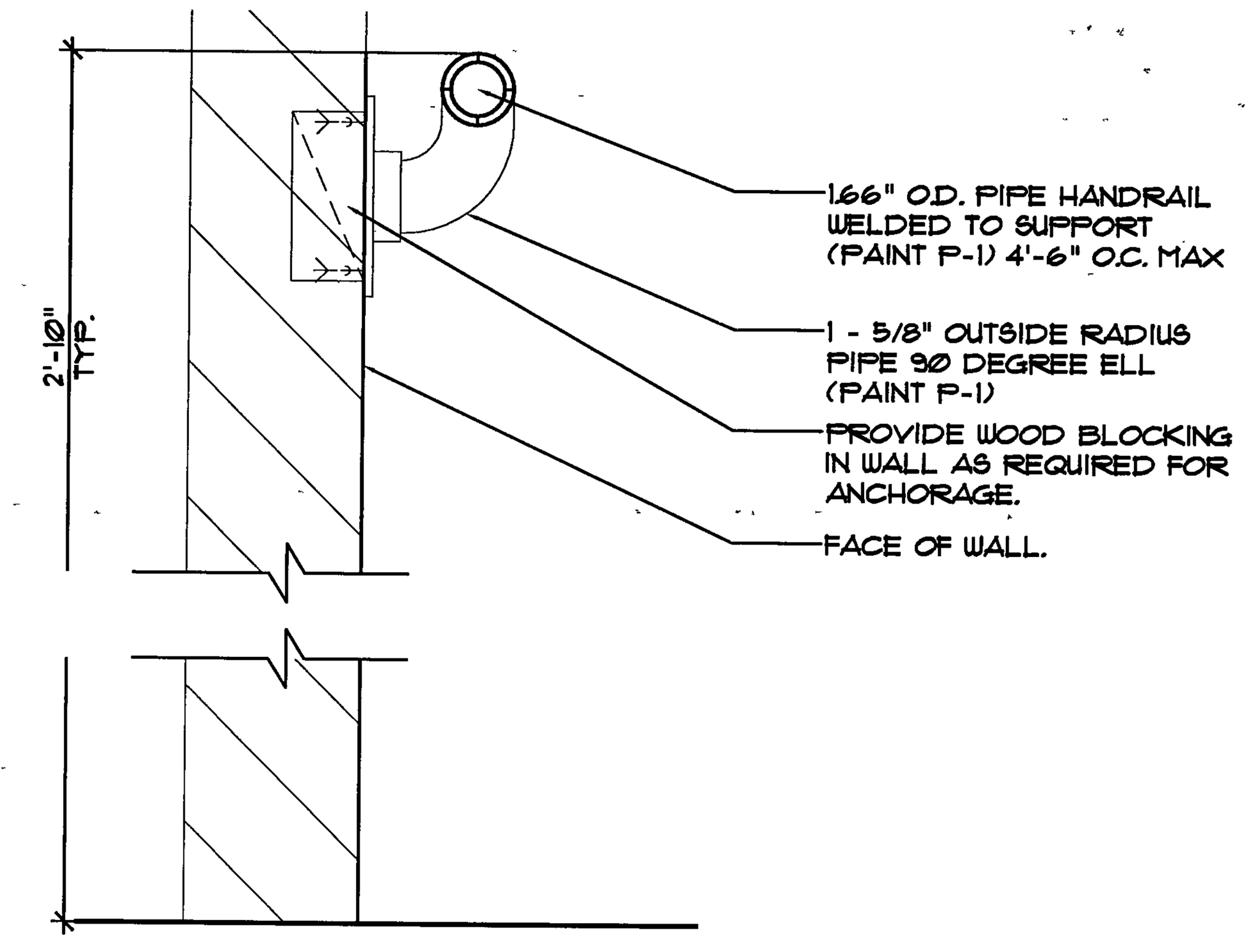
REVISION

SHEET TITLE
FITTING ROOM DOORS

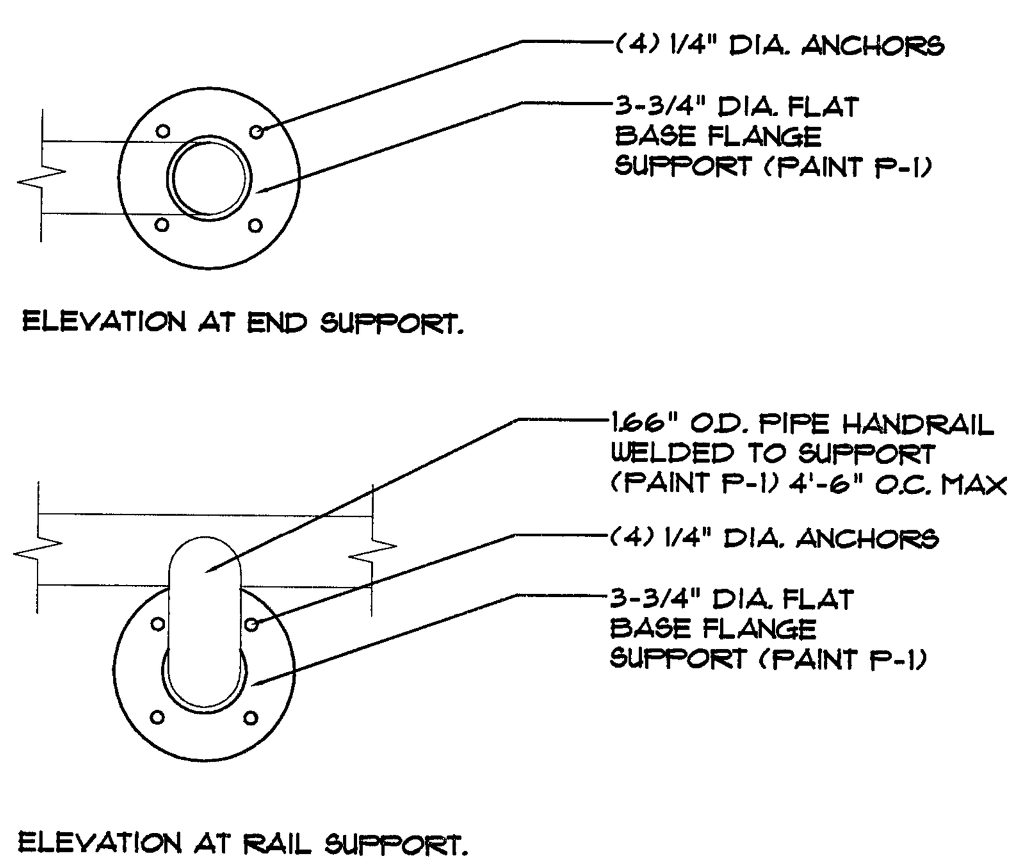
SHEET NO :
A604



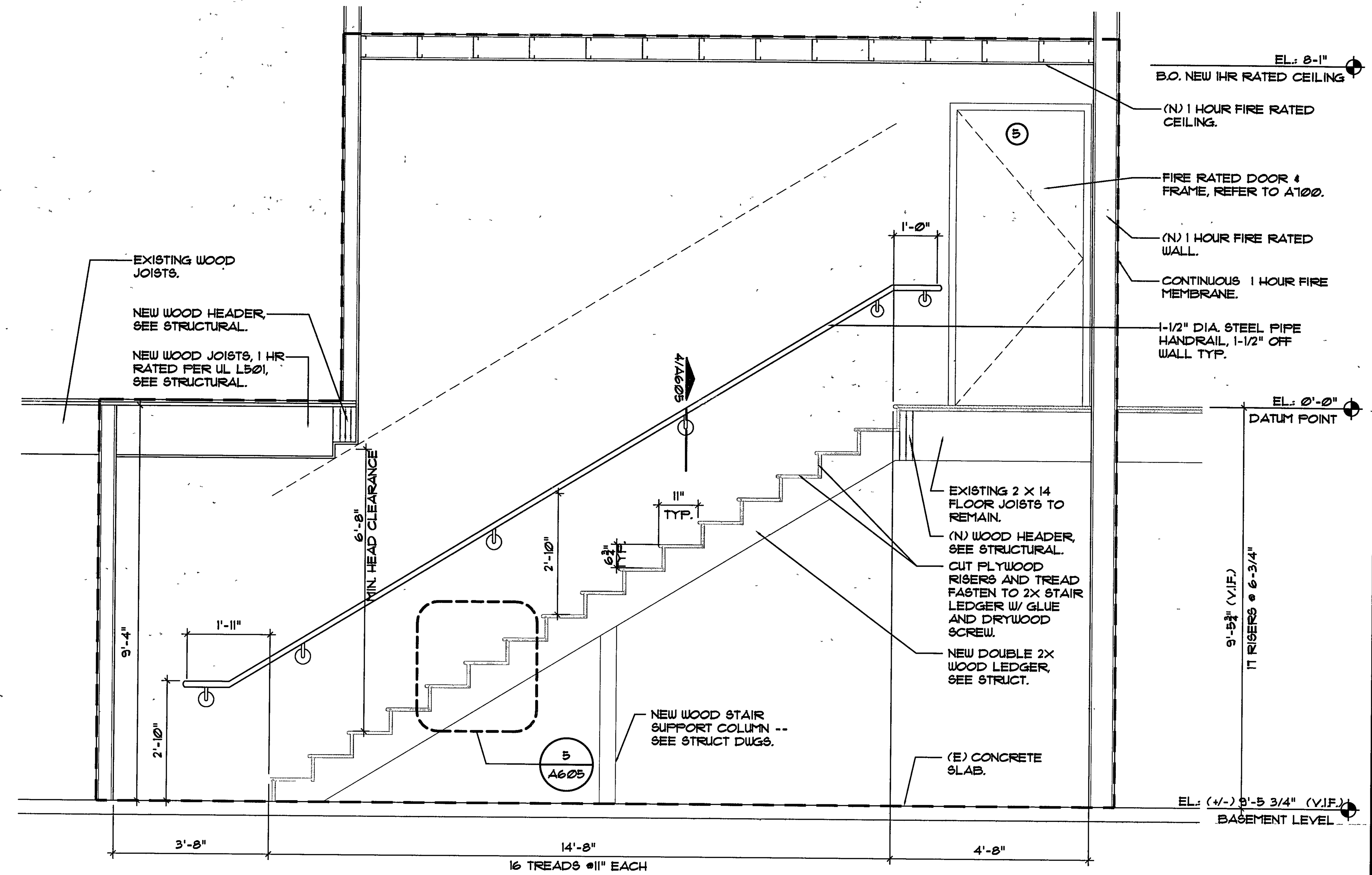
5 STAIR DETAIL
A605 SCALE 3"=1'-0"



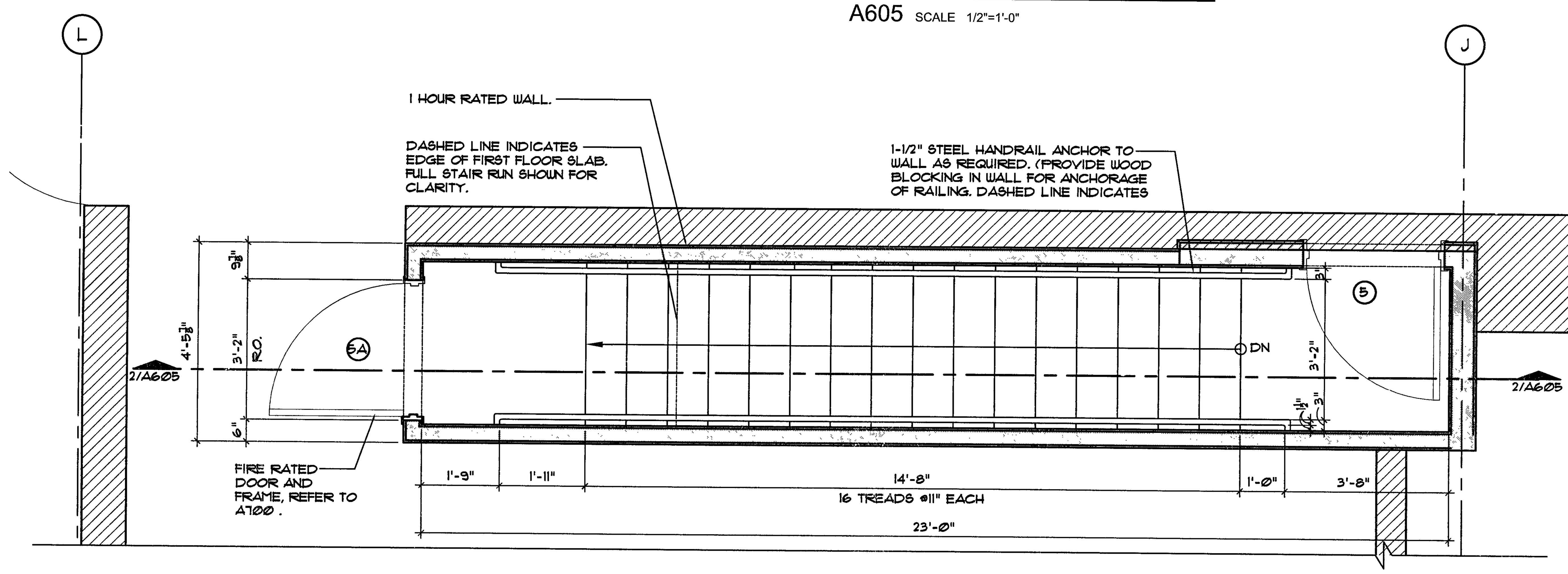
4 SECTION AT WALL MOUNTED HANDRAILS
A605 SCALE 3"=1'-0"



3 ELEVATION AT WALL MOUNTED HANDRAILS
A605 SCALE 3"=1'-0"



2 STAIR SECTION DETAIL
A605 SCALE 1/2"=1'-0"



1 ENLARGED STAIR PLAN
A605 SCALE 1/2"=1'-0" (BASEMENT TO FIRST FLOOR)

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT STATE OF MAINE
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REVISION

SHEET TITLE
INTERIOR DETAILS- STAIRS

SHEET NO.
A 605

DOOR AND HARDWARE NOTES

1 THIS PROJECT SHALL COMPLY WITH ALL FEDERAL AMERICANS WITH DISABILITY ACT REGULATION AND ALL LOCAL ACCESSIBILITY REGULATIONS
2 ALL DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED 30" TO 44" ABOVE THE FLOOR AND BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS FOR INTERIOR DOORS
3 CONTRACTOR SHALL VERIFY WITH SUPPLIER THAT ALL HARDWARE MEETS ADA REQUIREMENTS
4 ALL HARDWARE SHALL BE A N S I /B H M A STANDARD FINISH 626, SATIN CHROMIUM, TYPICAL (U O N)
5 THRESHOLDS SHALL BE IN COMPLIANCE WITH A D A , STATE AND LOCAL ORDINANCE GUIDELINES REFER TO SHEET A701
6 ALL MANUALLY OPERATED FLUSH BOLTS ARE PROHIBITED ON EXIT DOORS WHEN EXIT DOORS ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOORKNOB OR SURFACE MTD HARDWARE THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION
7 ALL HOLLOW METAL DOORS TO BE FLUSH TYPE WITH 18 GA FACE SHEETS WITH FOLDED INTERLOCKED SEAM ON VERTICAL EDGES TOP AND BOTTOM EDGES TO BE CLOSED
8 ALL HOLLOW METAL FRAMES TO BE 16 GA WRAP AROUND TYPE AND WELDED TYPE AT FIRE-RATED WALL CONSTRUCTION
9 G C TO PROVIDE SECURITY 180 DEGREE SECURITY EYE LENS AT ALL EXTERIOR HOLLOW METAL DOORS AND DOORS THAT LEAD TO EXTERIOR, MOUNTED AT 5'-0" A F F
10 GENERAL CONTRACTOR SHALL PROVIDE A KICK PLATE ON THE PUSH SIDE OF THE REAR EXIT DOOR
11 ALL HANDICAP ACCESSIBLE DOORS MUST BE MINIMUM 3'-0" W X 6'-8" H
12 ALL DOOR APPROACHES SHALL MEET A D A CLEARANCE REQUIREMENTS
13 OVERHEAD CLOSERS (AS APPLICABLE) FURNISHED AND INSTALLED BY TENANT'S GENERAL CONTRACTOR DOOR CLOSERS TO BE MOUNTED ON ROOM SIDE OF DOORS DOOR CLOSERS TO HAVE A MAXIMUM OPENING FORCE OF 5 LBF (INTERIOR HINGED DOORS) THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES THE DOOR SHALL TAKE AT LEASE 3 SECONDS TO MOVE TO A POINT 3 IN
14 ALL EXTERIOR HINGES TO HAVE NON-REMOVABLE PINS
15 TENANT'S GENERAL CONTRACTOR SHALL ENSURE ALL EXISTING DOORS TO REMAIN TO BE IN GOOD OPERATING ORDER AND TO MEET CURRENT BUILDING CODES AND A D A REQUIREMENTS TENANT'S GENERAL CONTRACTOR TO RESTORE DOORS AND HARDWARE TO "LIKE NEW" CONDITION
16 GENERAL CONTRACTOR TO SUBMIT TYPEWRITTEN SHOP DRAWINGS AND PRODUCT LITERATURE FOR ALL ALTERNATE SPECIFICATIONS TO DOORS AND HARDWARE SPECIFIED, PREPARED BY A LICENSED CERTIFIED CONSULTANT
17 G C TO PROVIDE A D A MEN'S AND WOMEN'S TOILET ROOM SIGNS- REFER TO INTERIOR ELEVATIONS & DETAIL 2/A700
18 G C TO USE KNOCK-DOWN STYLE METAL DOOR FRAMES FOR NON-RATED DOOR ASSEMBLIES

DOOR RATING CLASSIFICATIONS

CLASS A
CLASSIFICATION GENERALLY APPLIES TO 1-1/2 HOUR DOORS INTENDED FOR USE IN TWO-HOUR PARTITIONS [i e FIRE SEPARATION WALLS, WALLS THAT DIVIDE A SINGLE BUILDING INTO FIRE AREAS] COMMONLY REFERRED TO AS "A" LABEL DOORS

CLASS B
CLASSIFICATION GENERALLY APPLIES TO 3/4 HOUR DOORS INTENDED FOR USE IN ONE-HOUR PARTITIONS [i e FIRE SERRATION WALLS, 2-HOUR PARTITION PROVIDING HORIZONTAL FIRE SEPARATION] COMMONLY REFERRED TO AS "B" LABEL DOORS

CLASS C
CLASSIFICATION GENERALLY APPLIES TO 20-MINUTE DOORS INTENDED FOR USE IN NOMINALLY RATED PARTITIONS [i e OPENINGS IN WALLS OR PARTITIONS BETWEEN ROOMS AND CORRIDORS HAVING A FIRE-RESISTANCE RATING OF 1-HOUR OR LESS] COMMONLY REFERRED TO AS "C" LABEL DOORS

DOOR CLOSER PULL FORCE

ALL DOORS EQUIPPED WITH AUTOMATIC DOOR CLOSERS SHALL HAVE THE PULL FORCE REQUIRED TO OPEN THE EQUIPPED DOOR TO A MAXIMUM PULL FORCE OF 5 LBS

ALL DOORS EQUIPPED WITH AUTOMATIC DOOR CLOSERS SHALL HAVE THE SWEEP PERIOD OF THE CLOSER TO BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70° THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH MEASURED TO THE LANDING EDGE OF THE DOOR

GLAZING TYPES

GL1: CLEAR TEMPERED GLASS:
GLASS SHALL BE 1/2" THICK CLEAR TEMPERED GLASS, SEE PLANS & ELEVATIONS FOR LOCATIONS & DETAILS GLAZING CONTRACTOR TO VERIFY GLASS THICKNESS PRIOR TO INSTALLATION SUBMIT SAMPLE TO U O I FOR REVIEW & APPROVAL

GL2: CLEAR INSULATED TEMPERED GLASS.
GLASS SHALL BE 1" THICK INSULATED GLASS, SEE PLANS & ELEVATIONS FOR LOCATIONS & DETAILS GLAZING CONTRACTOR TO VERIFY GLASS THICKNESS PRIOR TO INSTALLATION SUBMIT SAMPLE TO U O I FOR REVIEW & APPROVAL

GL3 TEXTURED GLASS·
GLASS SHALL BE 1/2" THICK TEXTURED WIRE GLASS, SEE PLANS & ELEVATIONS FOR LOCATIONS & DETAILS GLAZING CONTRACTOR TO VERIFY GLASS THICKNESS PRIOR TO INSTALLATION SUBMIT SAMPLE TO U O I FOR REVIEW & APPROVAL

GLAZING NOTES

1 SEE A300 SERIES FOR FRAME AND GLAZING DETAILS
2 ALL GLAZING WORK SHALL CONFORM TO ALL APPLICABLE BUILDING CODES GLAZING CONTRACTOR IS RESPONSIBLE FOR ENGINEERING OF ALL FINAL GLAZING TYPES
3 SUBMIT SHOP DRAWINGS AND SAMPLES FOR STOREFRONT TO U O I FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION
4 G C SHALL VERIFY EXISTING SILL CONDITIONS AFTER ANY NECESSARY DEMOLITION & REPAIR / REFURBISH AS REQUIRED TO PROVIDE A SOUND, PLUMB AND LEVEL BUILDING SURFACE IDENTICAL TO ADJACENT SURFACES
5. **GLAZING & GLAZING FRAME SEALANT·** PECORA #896 "BLACK" HIGH PERFORMANCE WINDOW & DOOR SEALANT AS A PRIMARY BEDDING COMPOUND, SEALANT / SEAM SEALER AS WELL AS CAP, TOE & HEEL BEADS
6 INSULATED GLAZING ALUMINUM SPACER BARS TO BE BLACK ANODIZED CLEAR FINISH OR MILL FINISH IS NOT ACCEPTABLE

Door Hardware Schedule-Urban Outfitters

Group 1: Entrance Function

1 each	Entrance Lockset	Best 73KC-7AB 14DS3 STD	626
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2)	US26D
1 each	Floor Stop	Hager 242F	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
		Trimco 1229B (Wood Frame)	

Group 2: Storeroom Function

1 each	Storeroom Lockset	Best 73KC-7D 14DS3	626
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2)	US26D
1 each	Closer	LCN 4041H DEL	US26D
1 each	Floor Stop	Hager 242F	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
		Trimco 1229B (Wood Frame)	

Group 3: Privacy Function

1 each	Privacy Lockset	Best 73KC-0L 14DS3 STD	626
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2)	US26D
1 each	Closer	LCN 4041H DEL	US26D
1 each	Floor Stop	Hager 242F	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
		Trimco 1229B (Wood Frame)	

Group 4: Passage Function

1 each	Passage Lockset	Best 73KC-0N 14DS3 STD	626
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2)	US26D
1 each	Floor Stop	Hager 242F	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
		Trimco 1229B (Wood Frame)	

Group 5: Office Door

1 each	Storeroom Lockset	Best 73KC-7D 14DS3	626
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2)	US26D
1 each	Closer	LCN 4041H DEL	US26D
1 each	Door Viewer	Hager 1756	US26D
1 each	Floor Stop	Hager 242F	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
		Trimco 1229B (Wood Frame)	

Group 6: Sales to BOH Door

1 each	Exit Device	Sargent 12-2828	26D
1 each	Lever Control	Sargent 28-K-LL	26D
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2)	US26D
1 each	Closer	LCN 4041H DEL	US26D
1 each	Floor Stop	Hager 242F	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
		Trimco 1229B (Wood Frame)	

Group 7A: Fitting Room Doors

All door hardware to be supplied by fixture contractor

Group 7B: Hold Closet Doors

All door hardware to be supplied by fixture contractor

Group 8A: Alarmed Exit - Exterior Single Door

1 each	Exit Device	Sargent 12-2828	26D
1 each	Lever Control	Sargent 28-K-GTB	26D
1 each	Rim Cylinder	Best 1E72 STD	
1 each	Mortise Cylinder	Best 1E74 STD	
1 5 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2) NRP	US26D
1 each	Door Viewer	Hager 1756	US26D
1 each	Closer	LCN 4041H DEL	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
1 each	Set Seal, head/jamb	Pemko 18041CNB	
1 each	Door Sweep	Pemko 18137CNB	
1 each	Threshold ADA	Pemko 171A	
1 each	Raindrip	Pemko 346C 4" ODW	
1 each	Alarmed Exit Device	Detex EAX-2500 (To Be Hardwired)	Gray
		IC Core Lock	

Group 8B: Alarmed Exit - Exterior Double Door

1 each	Exit Device	Sargent 12-2727	26D
1 each	Lever Control	Sargent 28-N-LL	26D
1 each	Rim Cylinder	Best 1E72 STD	
1 each	Mortise Cylinder	Best 1E74 STD	
3 pair	Hinges	Hager BB1279 (4 1/2 x 4 1/2) NRP	US26D
1 each	Door Viewer	Hager 1756	US26D
1 each	Closer	LCN 4041H DEL	US26D
3 each	Silencers	Trimco 1229A (Metal Frame)	
1 each	Set Seal, head/jamb	Pemko 18041CNB	
1 each	Door Sweep	Pemko 18137CNB	
1 each	Threshold ADA	Pemko 171A	
1 each	Raindrip	Pemko 346C 4" ODW	
1 each	Alarmed Exit Device	Detex EAX-2500 (To Be Hardwired)	Gray
		IC Core Lock	

Group 9D: Storefront Entry Doors-Steel Doors

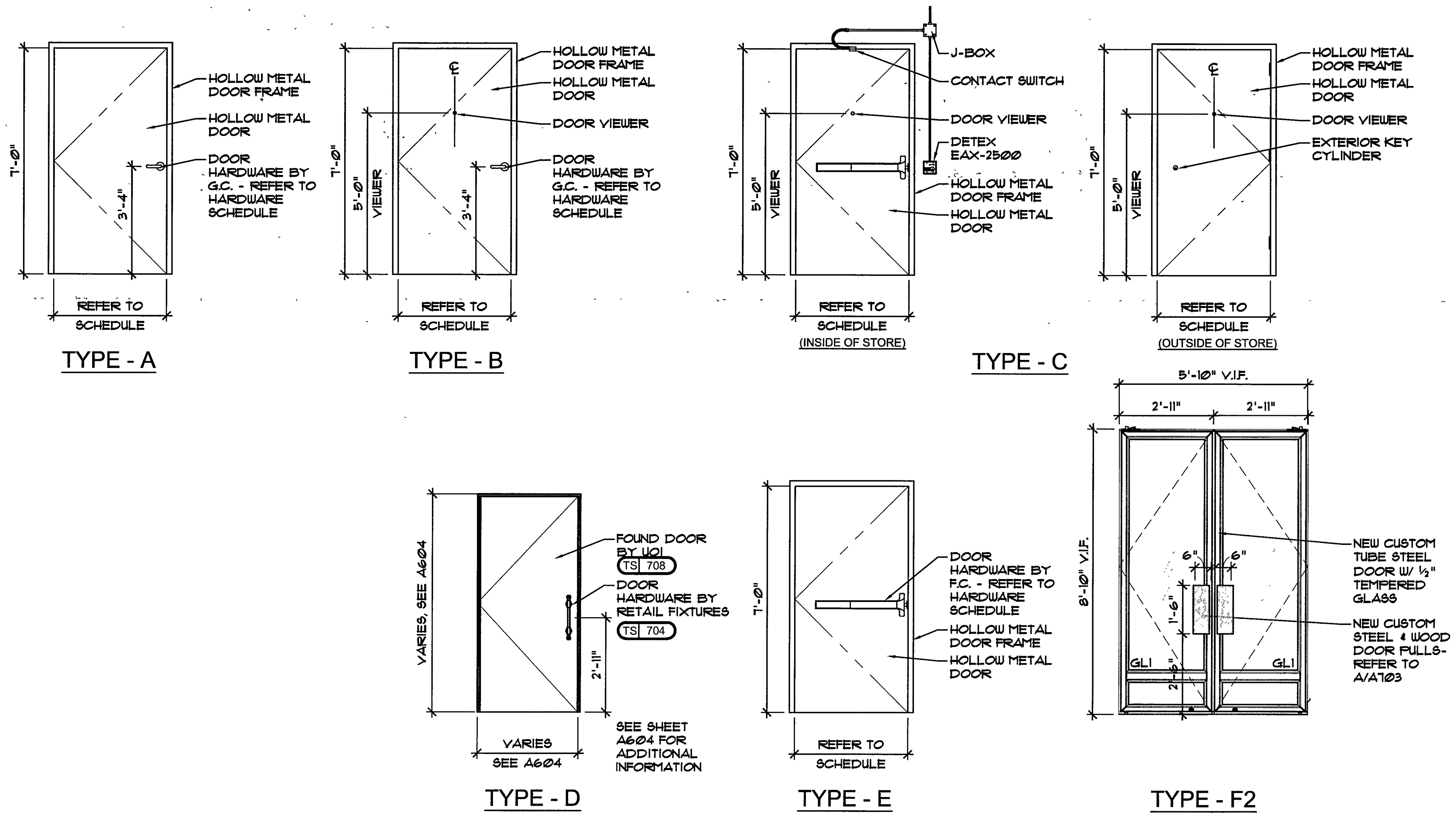
2 Pair	Door Pull / Push	Custom
	Lock - 3-Point Lock	Adams Rite MS-1850S Series Deadbolt
		Adams Rite 4015 Threshold Bolt
		Adams Rite 4016 Header Bolt
		Adams Rite 4085 Header Bolt
		Adams Rite 4089 Exit Indicator
	Keyed Cylinder	Best 1E74 STD
4 pair	Hinges	McMaster-Carr #3636A6 weld on lift off hinge with grease fitting
1 each	Closer	LCN 4015 DEL

General Specifications:

1 All hardware to be finished 626/US26D, UON
2 All hardware to be 7-pin Best core-compatible
3 Provide **LCN 4041 DEL Closer** on all fire and smoke rated door assemblies Refer to REMARKS in door schedule for identification of rated assemblies
4 Provide **Pemko S88 Smoke Seal** on all fire and smoke rated door assemblies Refer to REMARKS in door schedule for identification of rated assemblies

DOOR SCHEDULE

NO.	LOCATION	DOOR SIZE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	DOOR TYPE	HEAD / JAMB	THRES.	HDWR. GROUP	REMARKS
1	ENTRY (DOOR PAIR)	5'-10" X 8'-10" X 3"	STEEL	P 7	STEEL	P 7	F2	1/A502	1/A502	9	NEW DOOR AND HARDWARE BY G C
2	SALES TO BOH	3'-0" X 6'-8" X 1 3/4"	EXISTING	INT P 1 EXT P 1	EXISTING	INT P 1 EXT P 1	A	--	--	4	EXISTING DOOR TO REMAIN, NEW HARDWARE BY G C
3	OFFICE	3'-0" X 6'-8" X 1 3/4"	EXISTING	EXISTING	EXISTING	NONE	A	--	1/A701	5	EXISTING DOOR TO REMAIN, NEW HARDWARE BY G C
4	STOCKROOM	3'-6" X 7'-0" X 1 3/4"	HM	P 1	HM	NONE	B	A/A701	3/A701	2	NEW DOOR ASSEMBLY BY G C
5	REAR EXIT	3'-0" X 7'-0" X 1 3/4"	HM	INT P 1 EXT P 1	HM	INT P 1 EXT P 1	A	A/A701	4/A701	6	NEW DOOR ASSEMBLY BY G C FIRE RATED DOOR ASSEMBLY - 45MIN RATED "B LABEL"
5A	REAR EXIT	3'-0" X 7'-0" X 1 3/4"	HM	INT P 1 EXT P 1	HM	INT P 1 EXT P 1	C	A/A701	4/A701	8A	NEW DOOR ASSEMBLY BY G C FIRE RATED DOOR ASSEMBLY - 45MIN RATED "B LABEL"
6	SALES TO BOH	3'-0" X 6'-8" X 1 3/4"	HM	INT P 1 EXT P 1	HM	INT P 1 EXT P 1	A	A/A701	1/A702	4	NEW DOOR ASSEMBLY BY G C
7-8	TOILET ROOMS	3'-0" X 7'-0" X 1 3/4"	HM	NONE	HM	NONE	A	A/A701	--	3	NEW DOOR ASSEMBLY BY G C
9	VISUAL MERCHANDISING	3'-6" X 7'-0" X 1 3/4"	HM	NONE	HM	NONE	A	A/A701	--	2	NEW DOOR ASSEMBLY BY G C
10-11	SALES ROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	--	--	4/A702	--	EXISTING DOOR & HARDWARE TO REMAIN,SECURE OPEN POSITION
12-20	FITTING ROOM	2'-8" X 7'-0" X 2"	WOOD	EXISTING	WOOD	EXISTING	D	B/A701	--	7A	DOOR & HARDWARE FURNISHED BY VENDOR TS 704
21	ADA FITTING ROOM	3'-0" X 7'-0" X 2"	WOOD	EXISTING	WOOD	EXISTING	D	B/A701	--	7A	DOOR & HARDWARE FURNISHED BY VENDOR TS 704
22	TOILET ROOM - WOMEN	EXISTING TO BE RELOCATED									
23	TOILET ROOM - MEN	EXISTING TO BE RELOCATED									



1 DOOR TYPES
A700 SCALE 3/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
DRAWN BY
PM/MRE

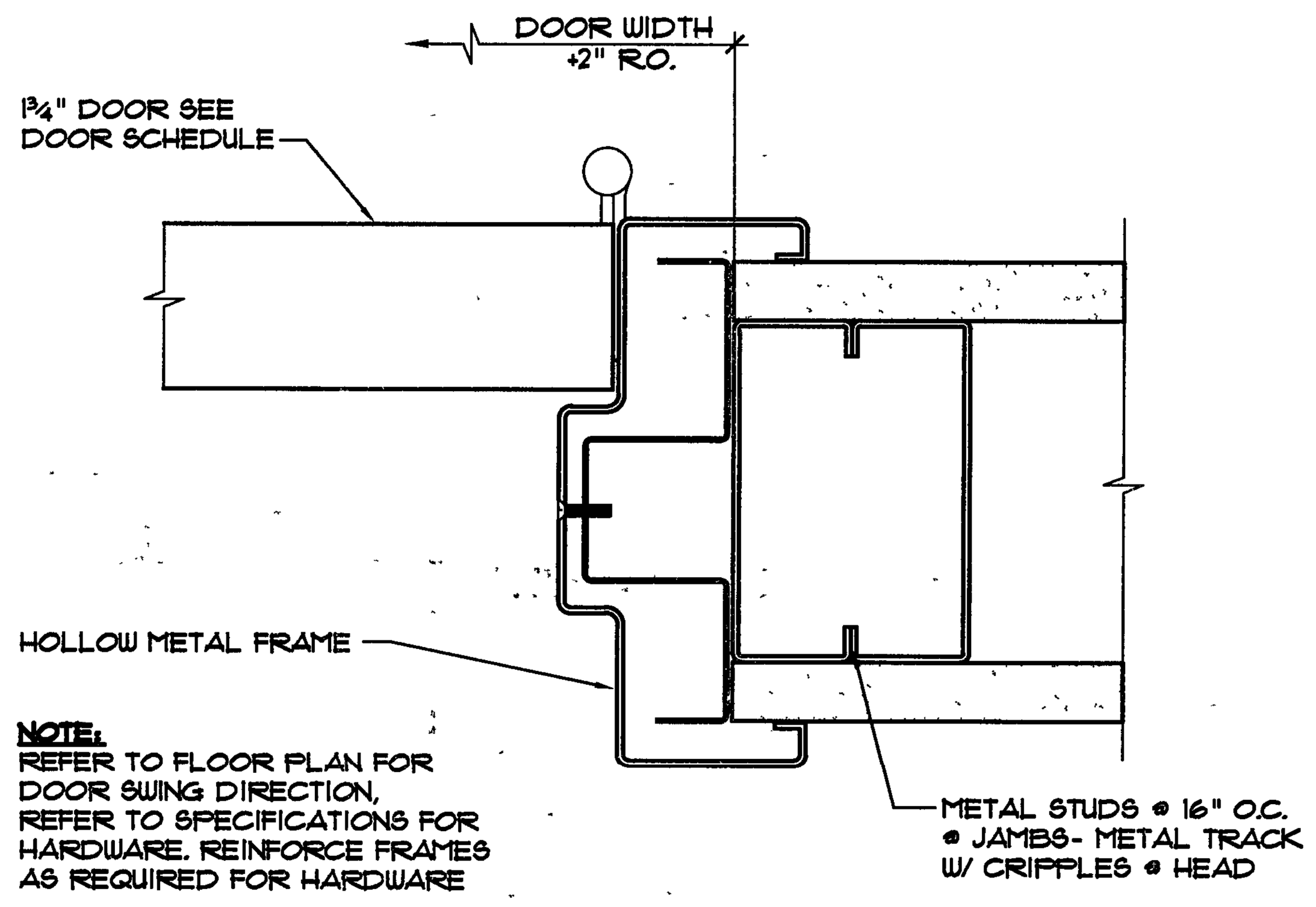
ISSUE / DATE

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

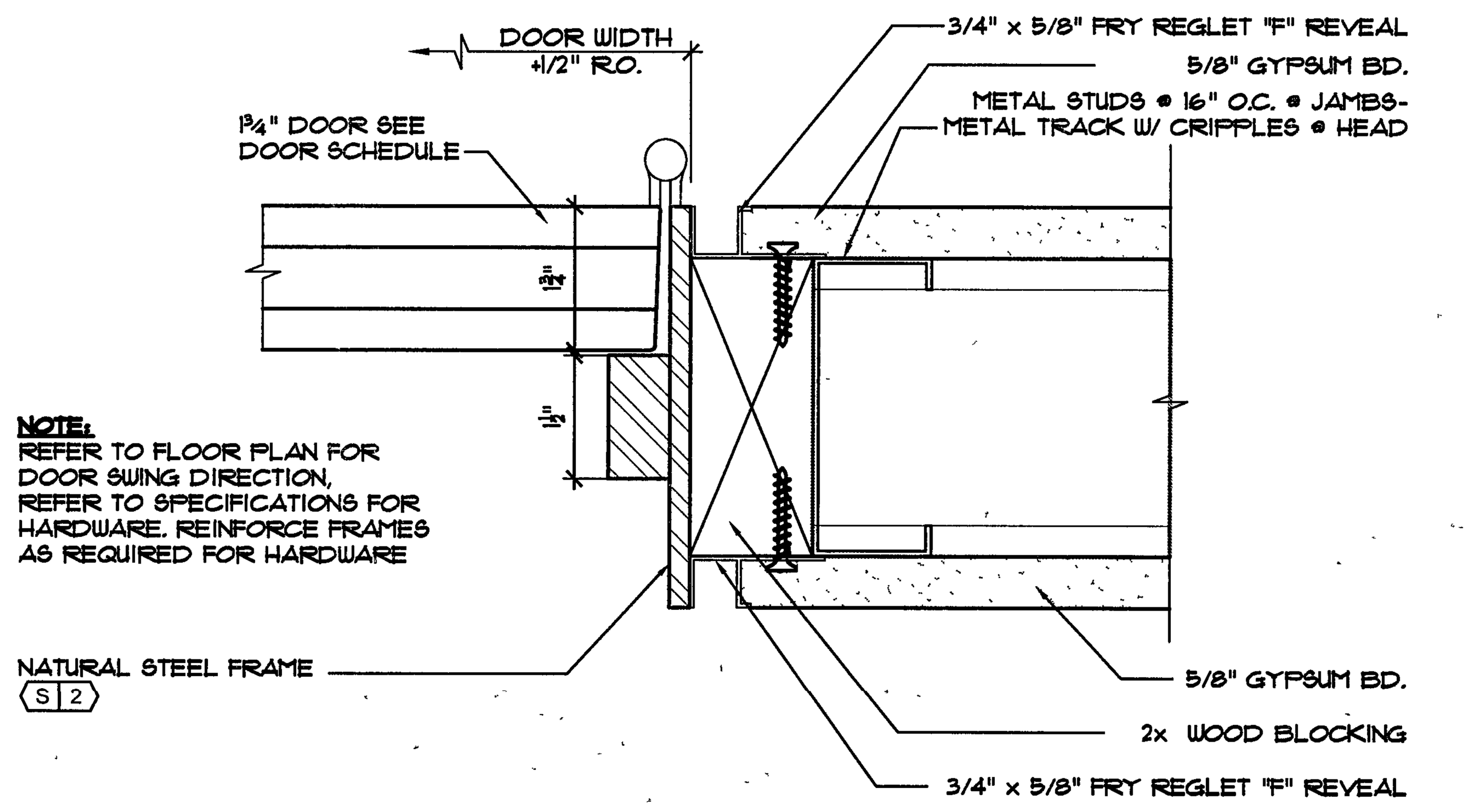
REVISION

SHEET TITLE :
DOOR SCHEDULE / DETAILS / NOTES

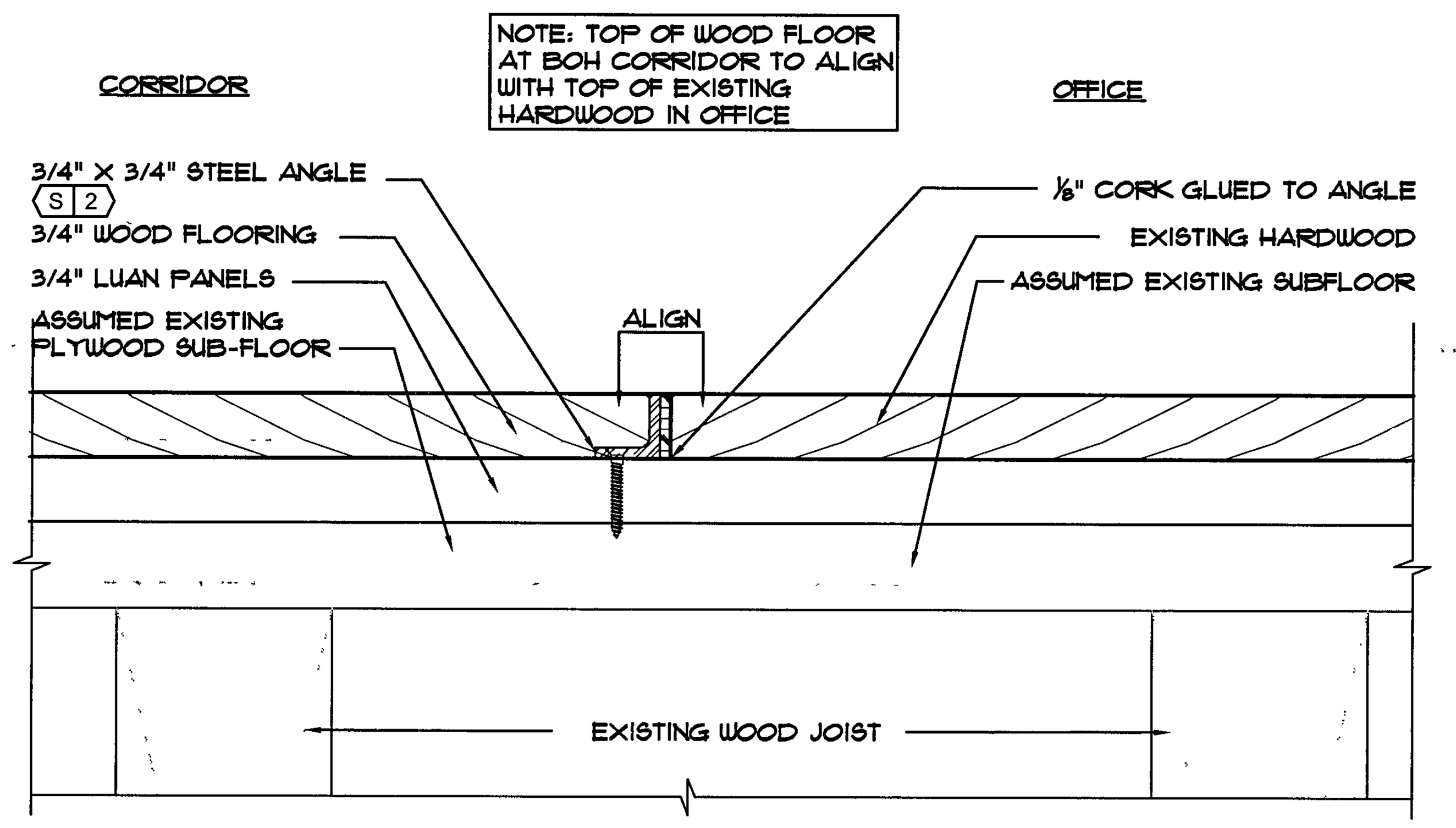
SHEET NO :
A700



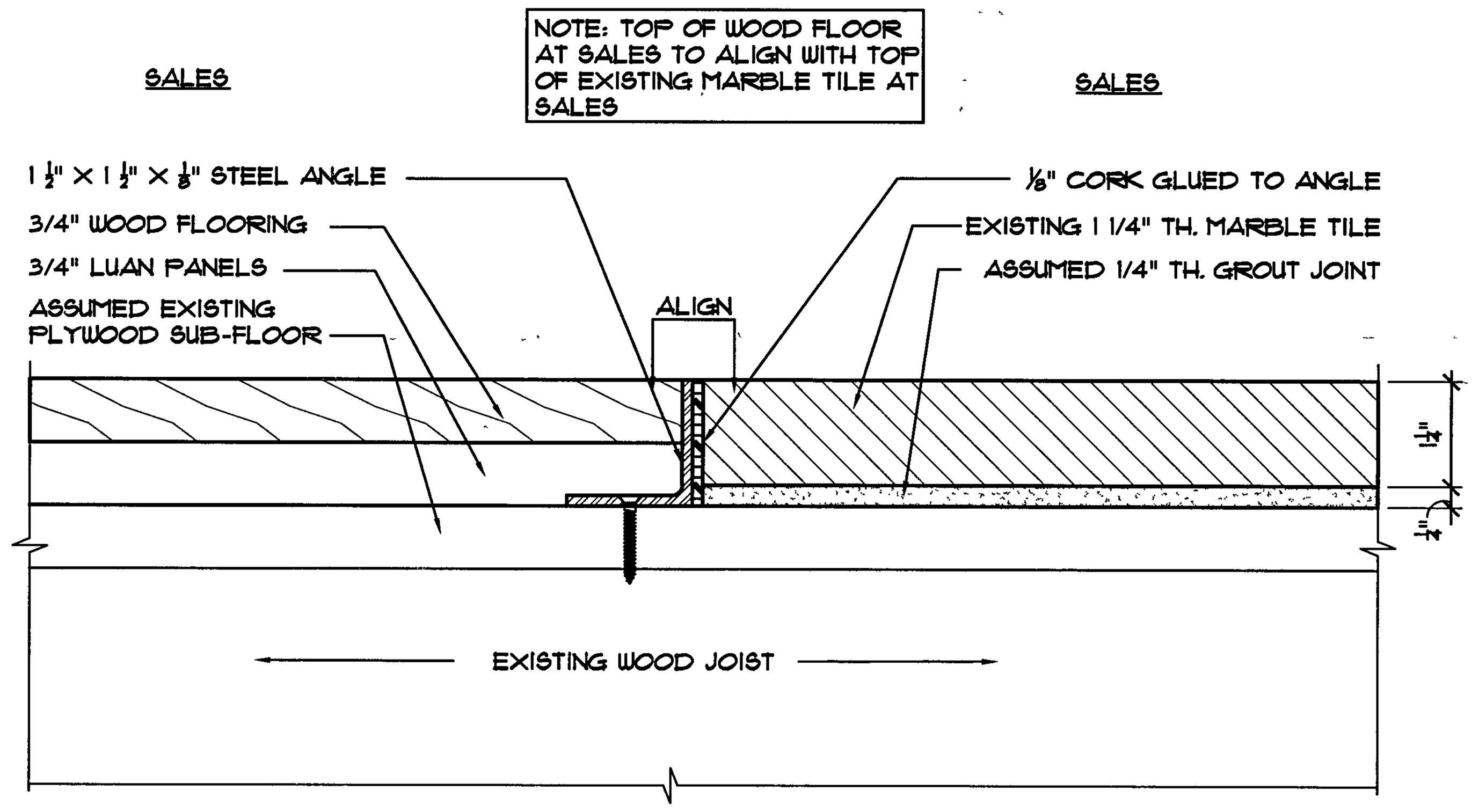
A DETAIL- H.M. DOOR JAMB / HEAD
A701 SCALE 6"=1'-0"



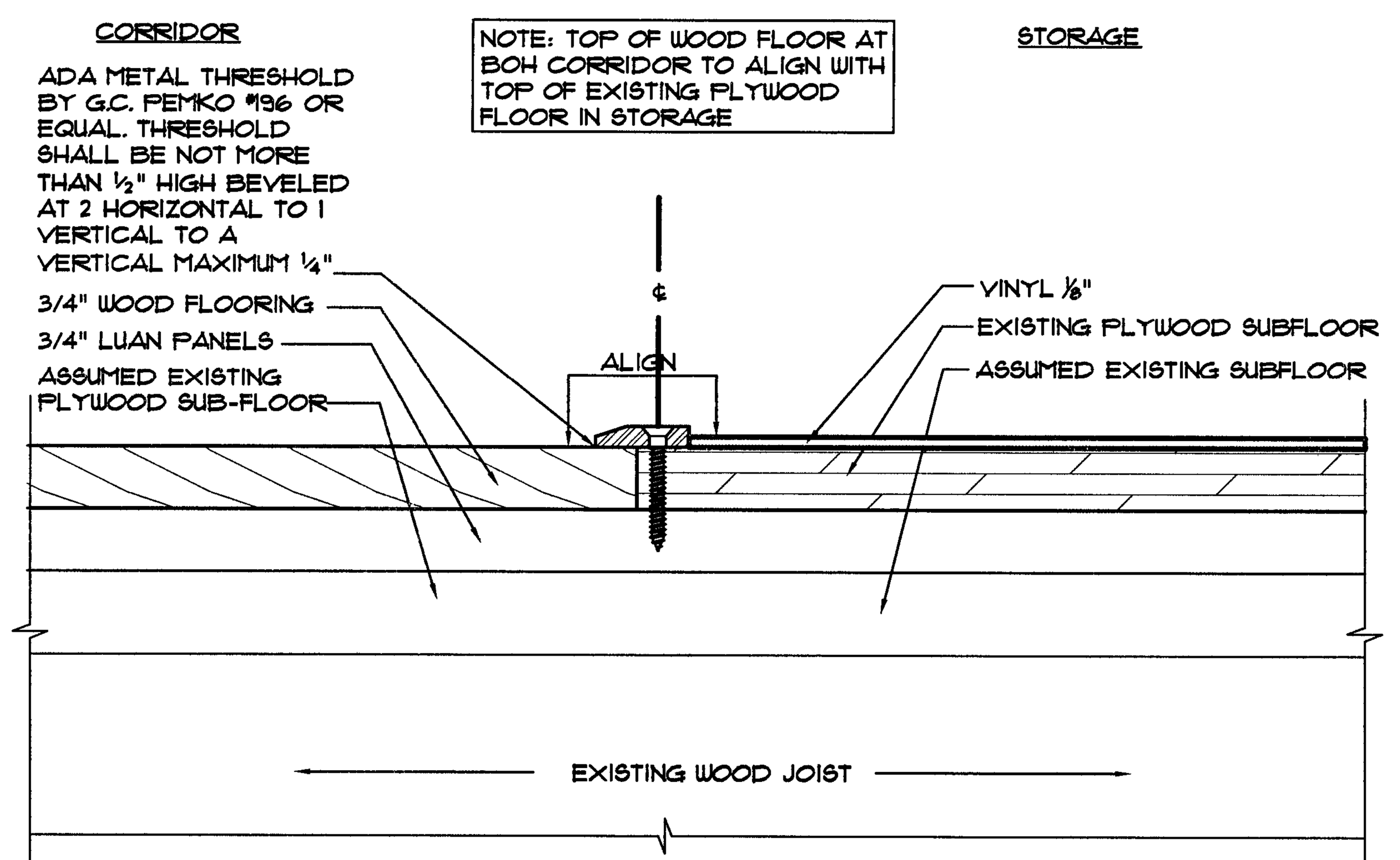
B DETAIL- FITTING ROOM DOOR JAMB / HEAD
A701 SCALE 6"=1'-0"



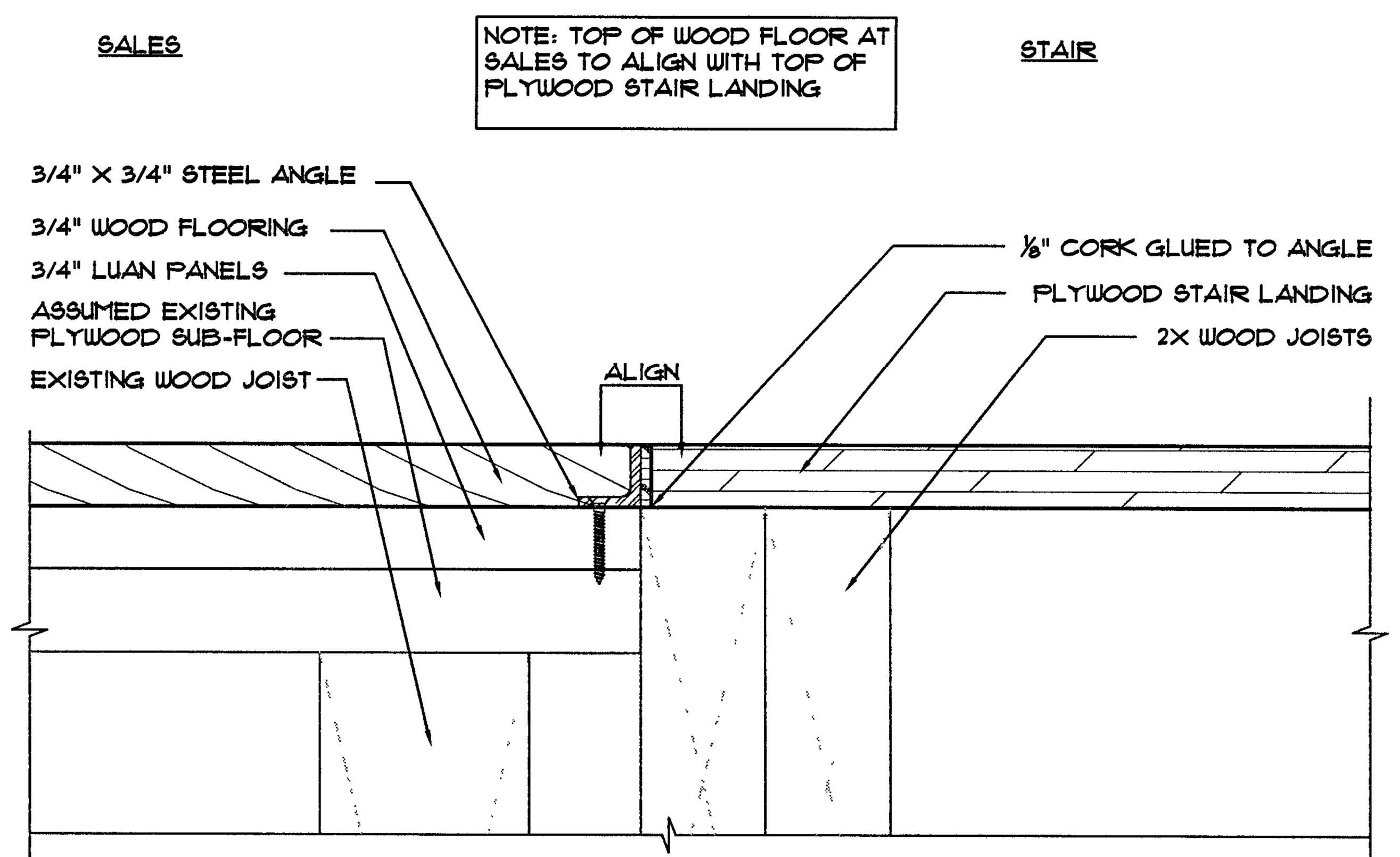
1 TRANSITION HARDWOOD TO HARDWOOD
A701 SCALE 6"=1'-0"



2 TRANSITION OF MARBLE TO HARDWOOD FLOOR
A701 SCALE 6"=1'-0"



3 TRANSITION HARDWOOD TO PLYWOOD
A701 SCALE 6"=1'-0"



4 TRANSITION HARDWOOD TO PLYWOOD
A701 SCALE 6"=1'-0"

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URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT
STATE OF MAINE
7-21-11

ARCH PROJECT # 1121907
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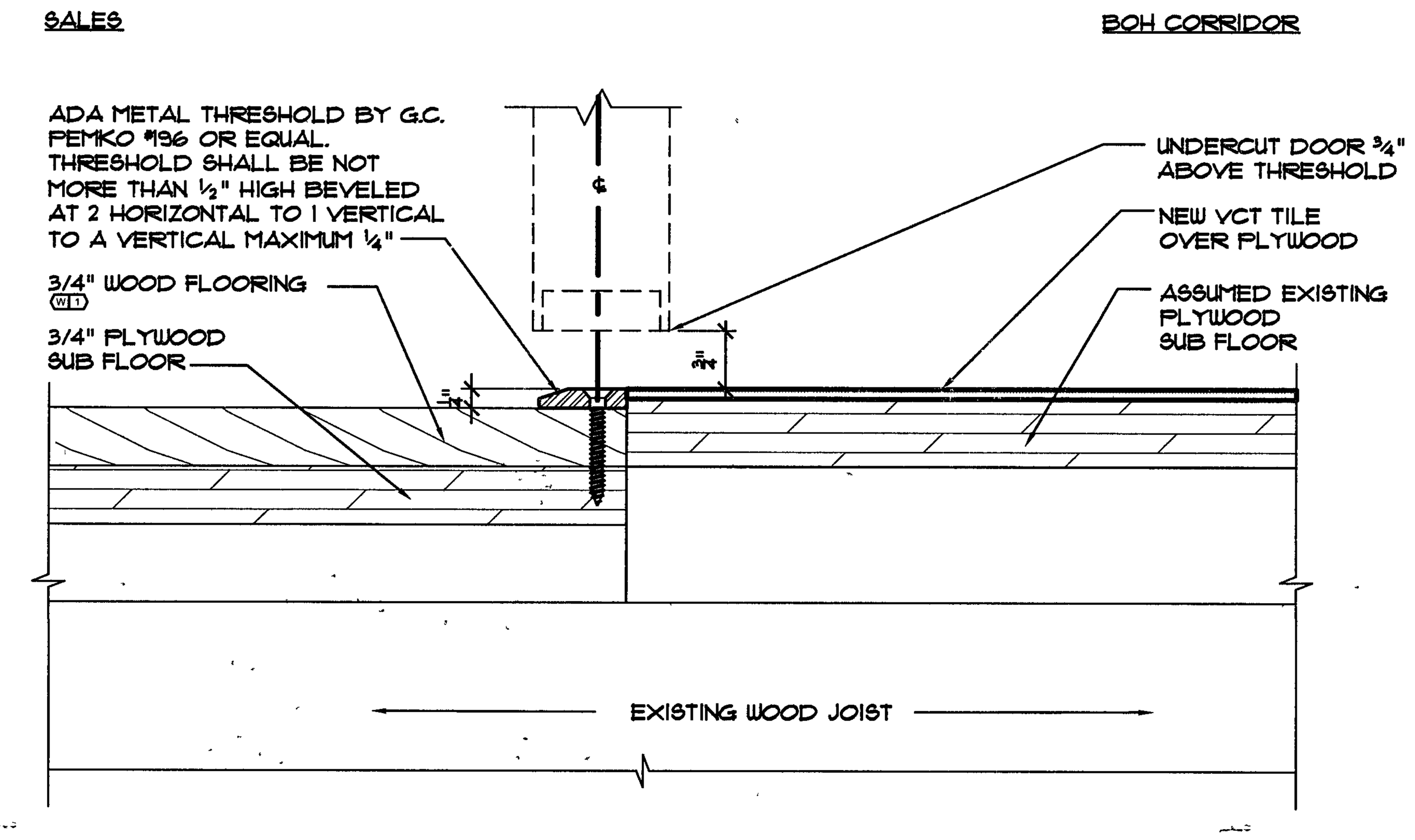
REVISION

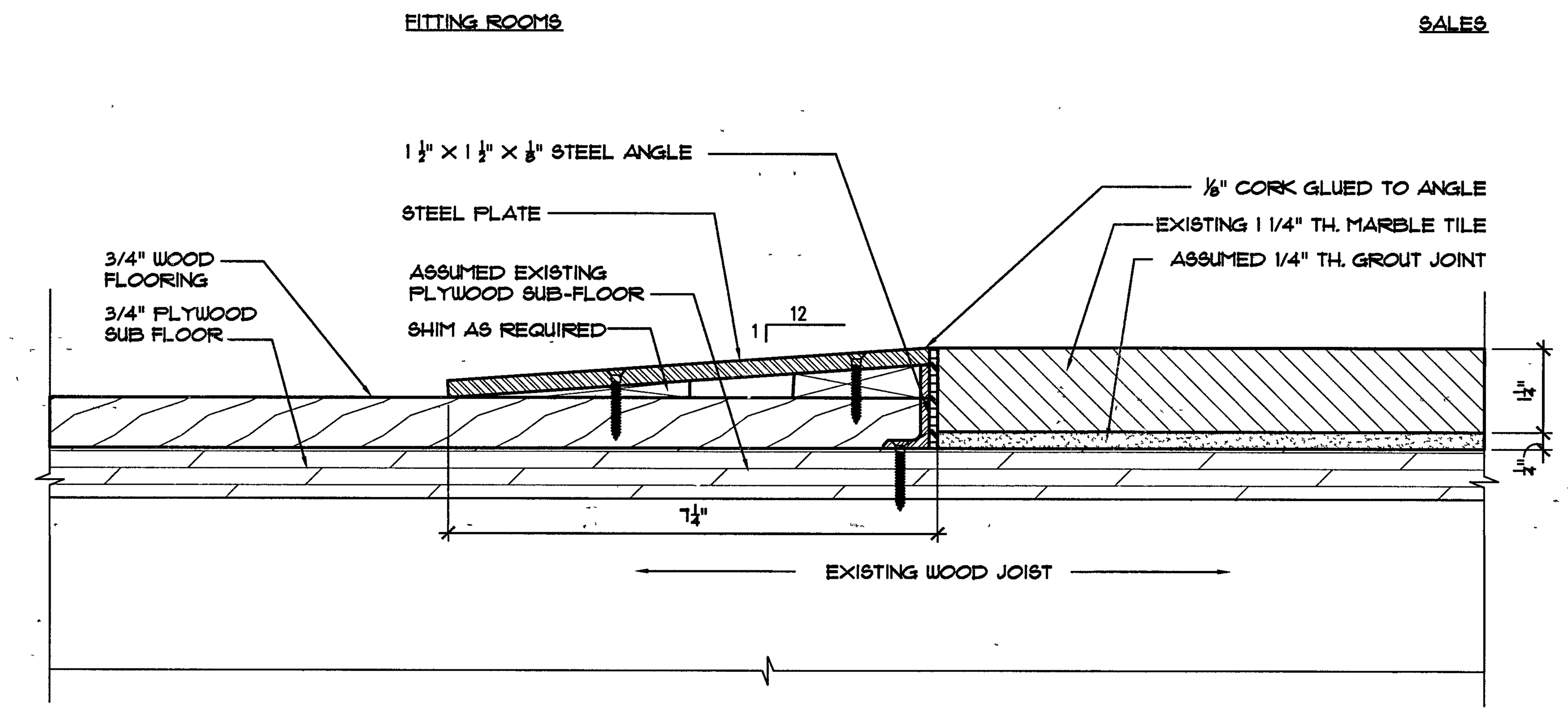
SHEET TITLE
THRESHOLDS & FLOORING TRANSITIONS

SHEET NO
A701



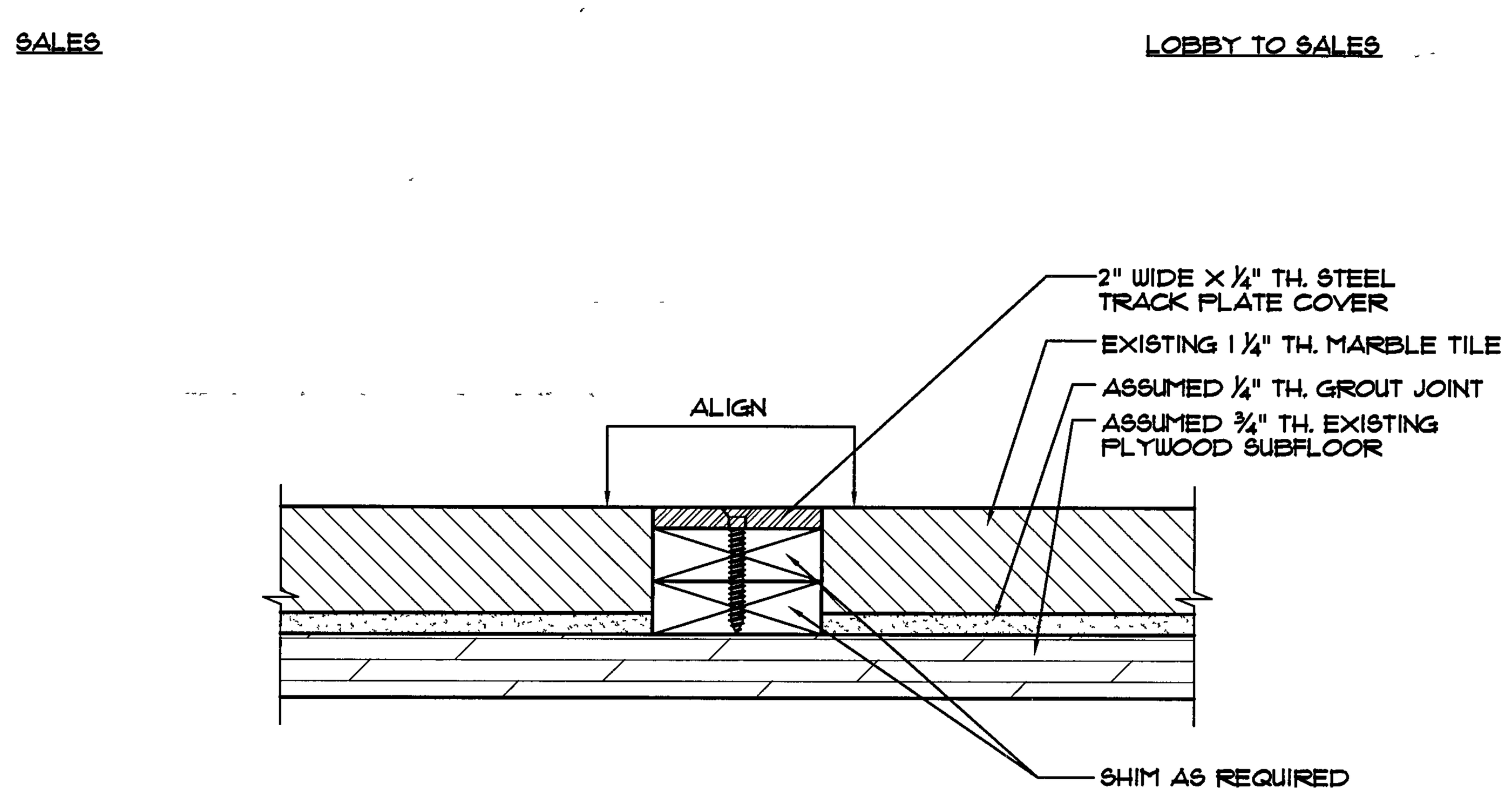
1 TRANSITION HARDWOOD TO VCT

A702 SCALE 6"=1'-0"



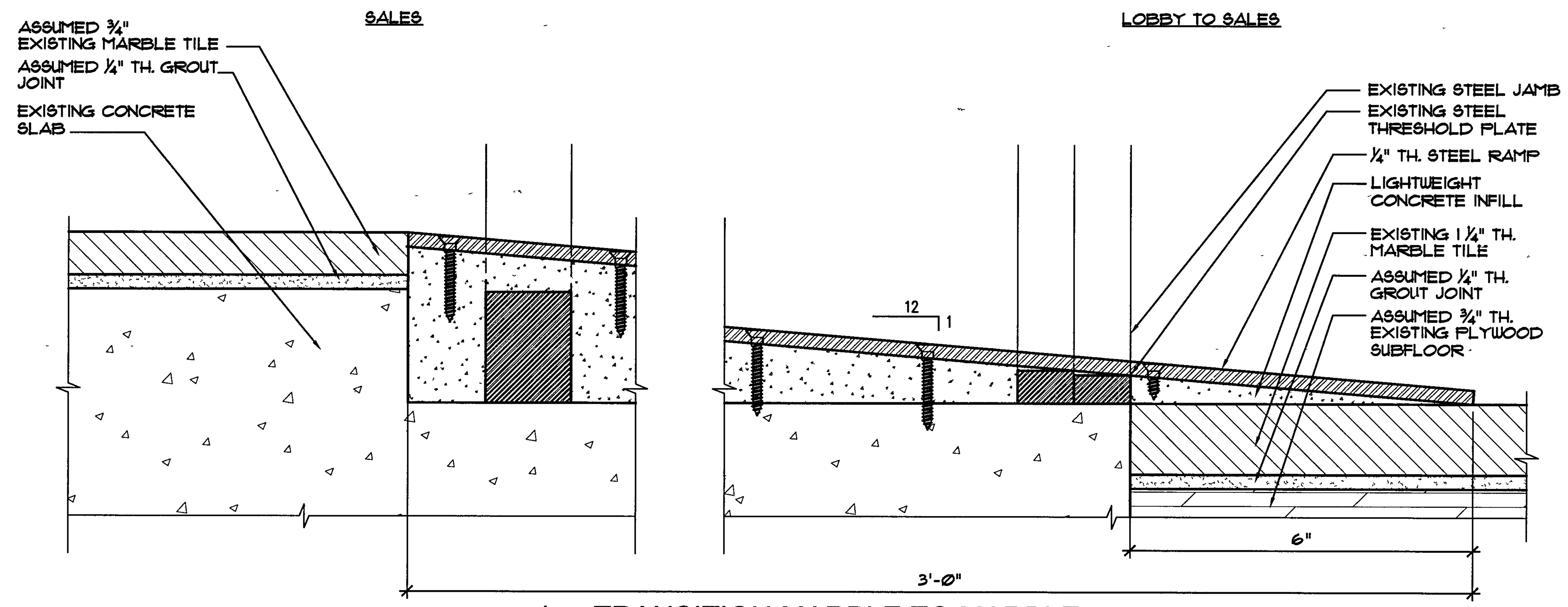
2 TRANSITION MARBLE TO HARDWOOD

A702 SCALE 6"=1'-0"



3 TRANSITION MARBLE TO MARBLE

A702 SCALE 6"=1'-0"



4 TRANSITION MARBLE TO MARBLE

A702 SCALE 6"=1'-0"

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PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT JERRY J. PHILLIPS JR. STATE OF MAINE

07.21.11

ARCH PROJECT # 1121907

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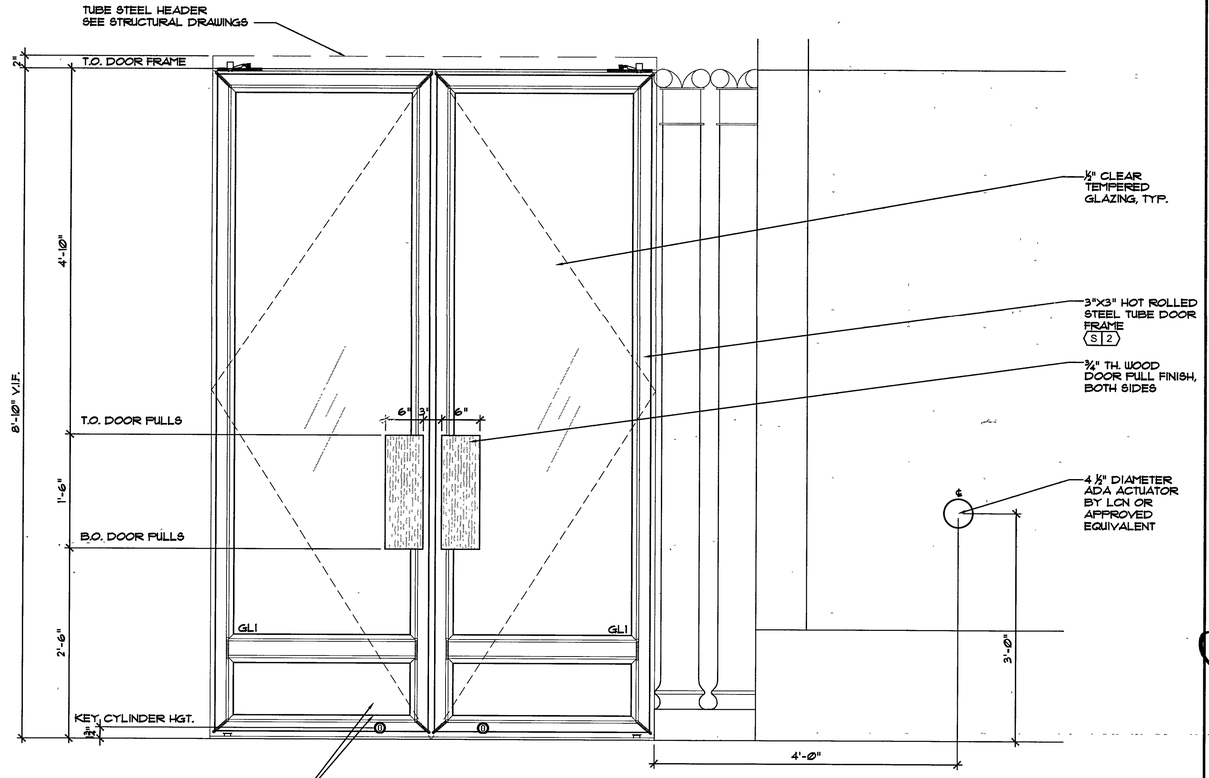
REVISION

SHEET TITLE

THRESHOLDS & FLOORING TRANSITIONS

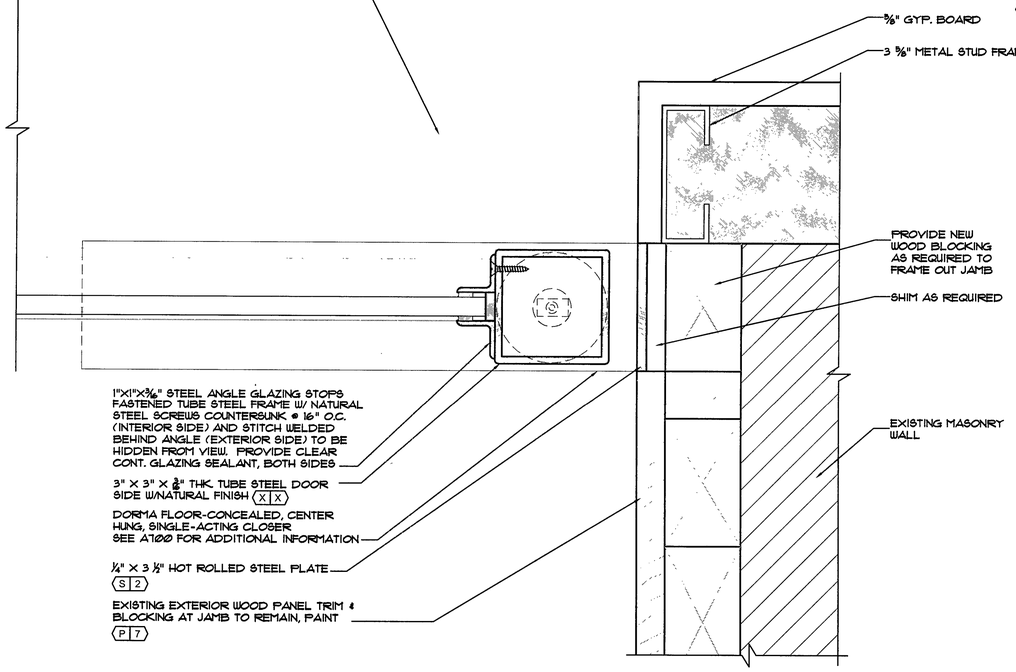
SHEET NO :

A702



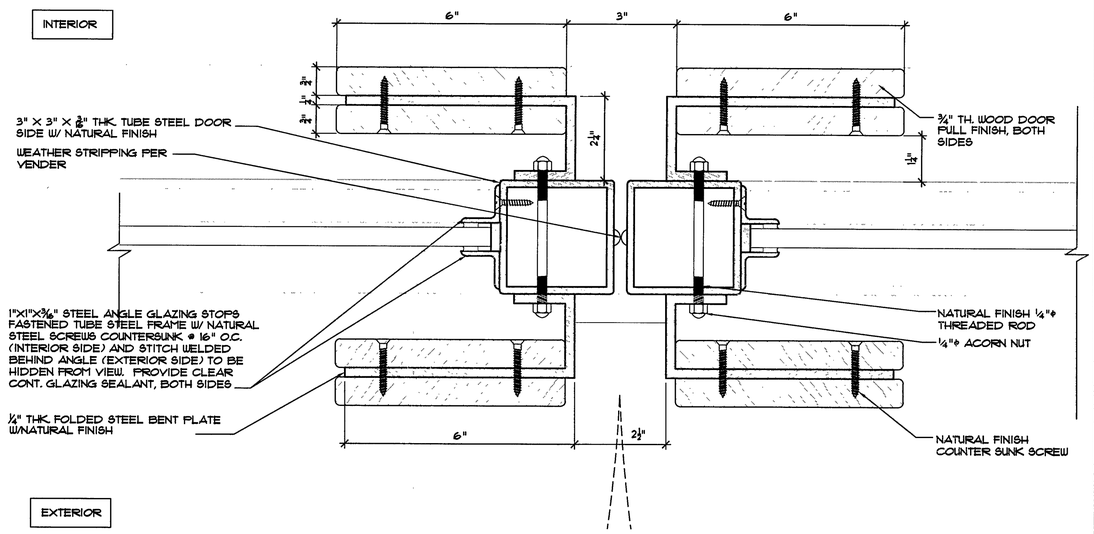
3 STOREFRONT DOOR ELEVATION

A703 SCALE 1"=1'-0"



2 STOREFRONT DOOR JAMB DETAIL

A703 SCALE 6"=1'-0"



1 STOREFRONT DOOR HANDLE PLAN

A703 SCALE 6"=1'-0"

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PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH· (215) 454.5500

MEP ENGINEERING
CONSULTANT ·
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS, JR.
NO. 2298
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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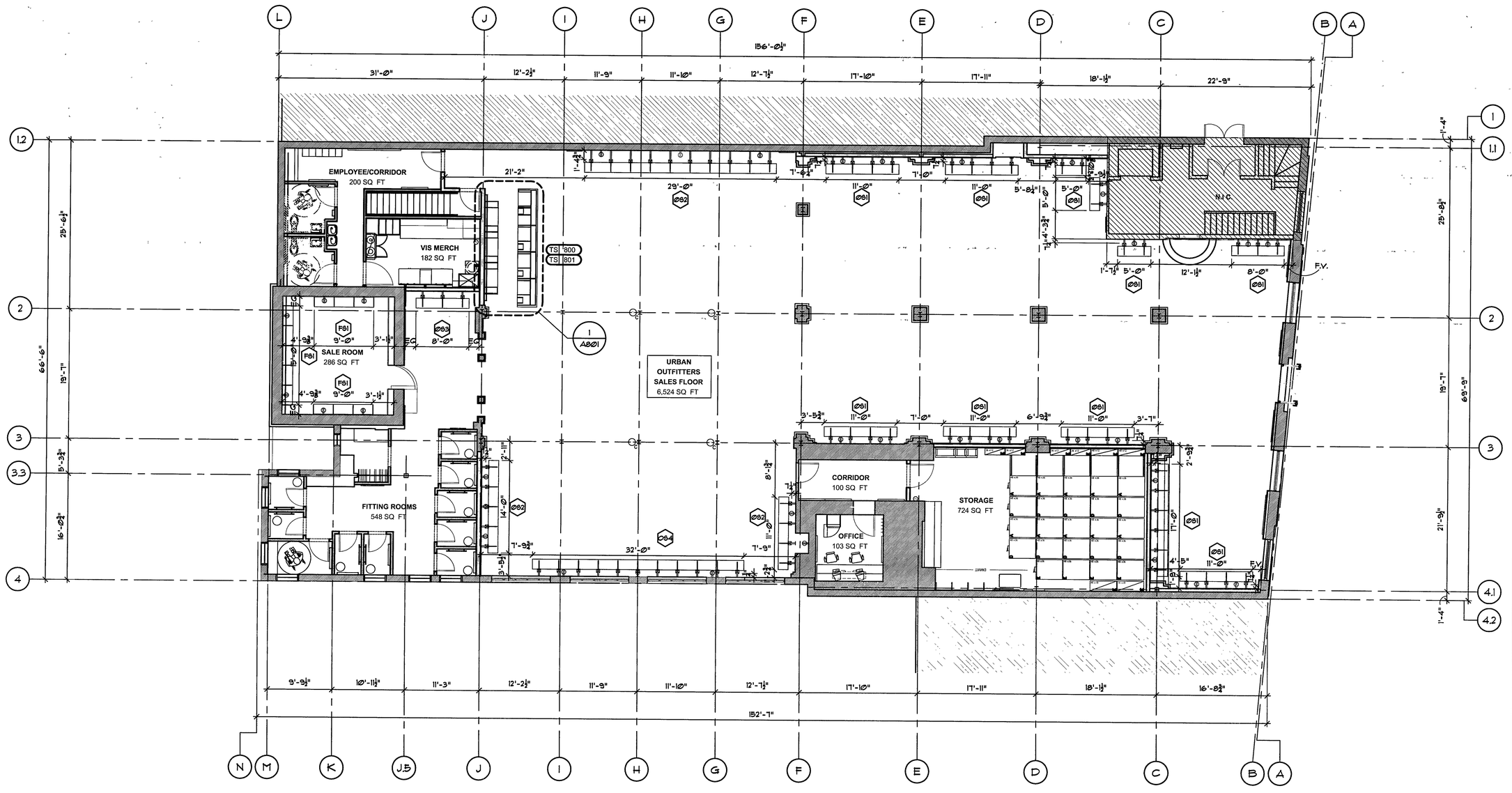
REVISION

SHEET TITLE
STOREFRONT DOOR DETAILS

SHEET NO ·
A703

FIXTURE LEGEND

	FIXTURE DESCRIPTION	ELEVATION DETAIL	G C SHEATHING TYPE	SIZE
Ø81	OUTRIGGER FIXTURE #1	A/803	---	12'- 0" H
Ø82	OUTRIGGER FIXTURE #2	B/803	---	15'- 0" H
Ø83	OUTRIGGER FIXTURE #3	C/803	---	8'- 0" H
Ø84	OUTRIGGER FIXTURE #3	E/803	---	15'- 0" H
F81	FLAT WALL STANDARD #1	A/803	---	7'-4" H



FIXTURE PLAN
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS, JR.
No. 8698
STATE OF MAINE
7.21.11

ARCH PROJECT # 1121907
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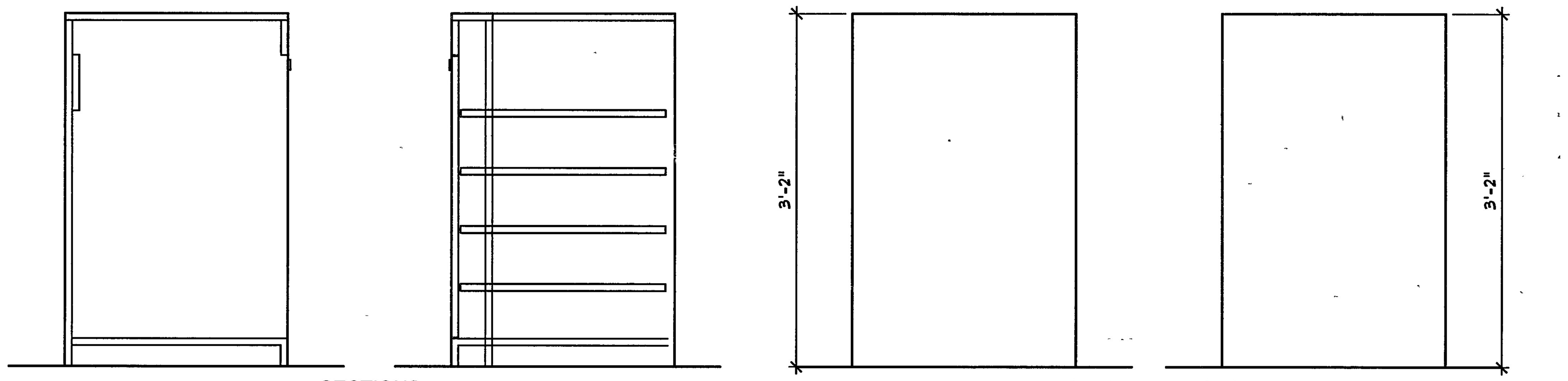
REVISION

SHEET TITLE .
FIXTURE PLAN

SHEET NO .
A800

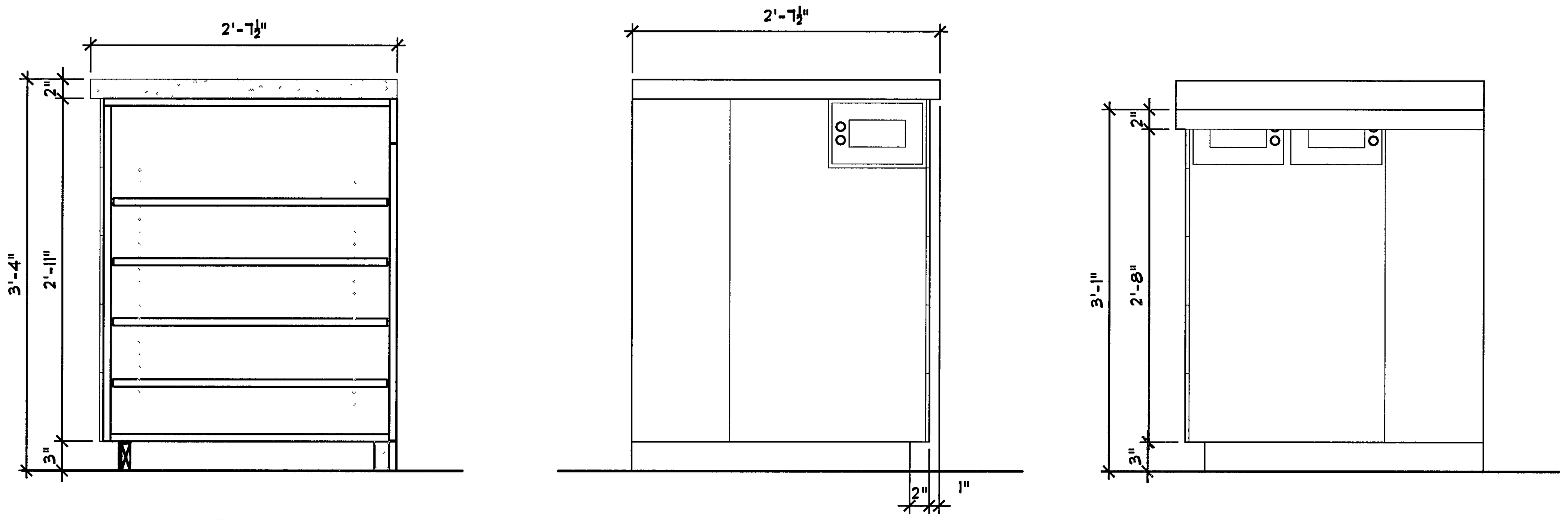


SECTIONS

SIDE ELEVATIONS

F BACKWRAP SIDE ELEVATIONS / SECTIONS

A801 SCALE 1"=1'-0"

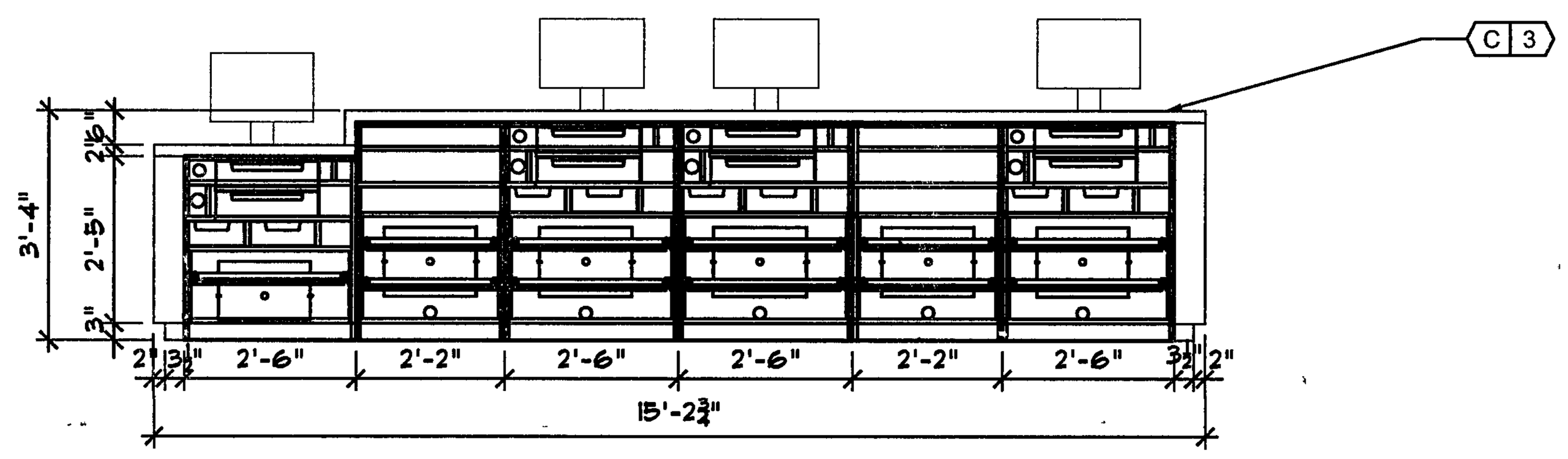


SECTION

SIDE ELEVATIONS

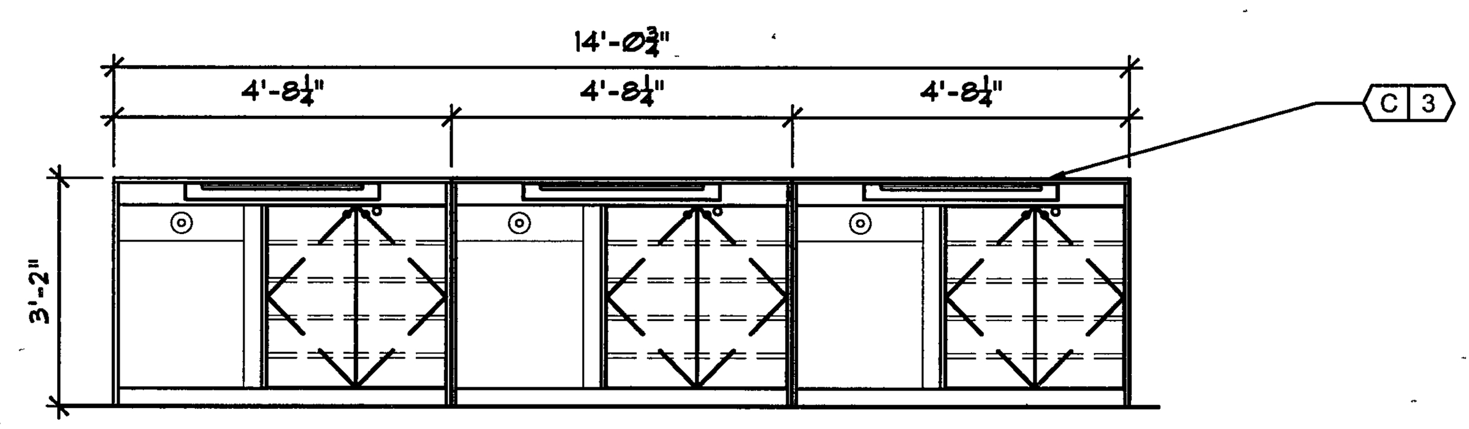
E CASHWRAP ELEVATION

A801 SCALE 1"=1'-0"



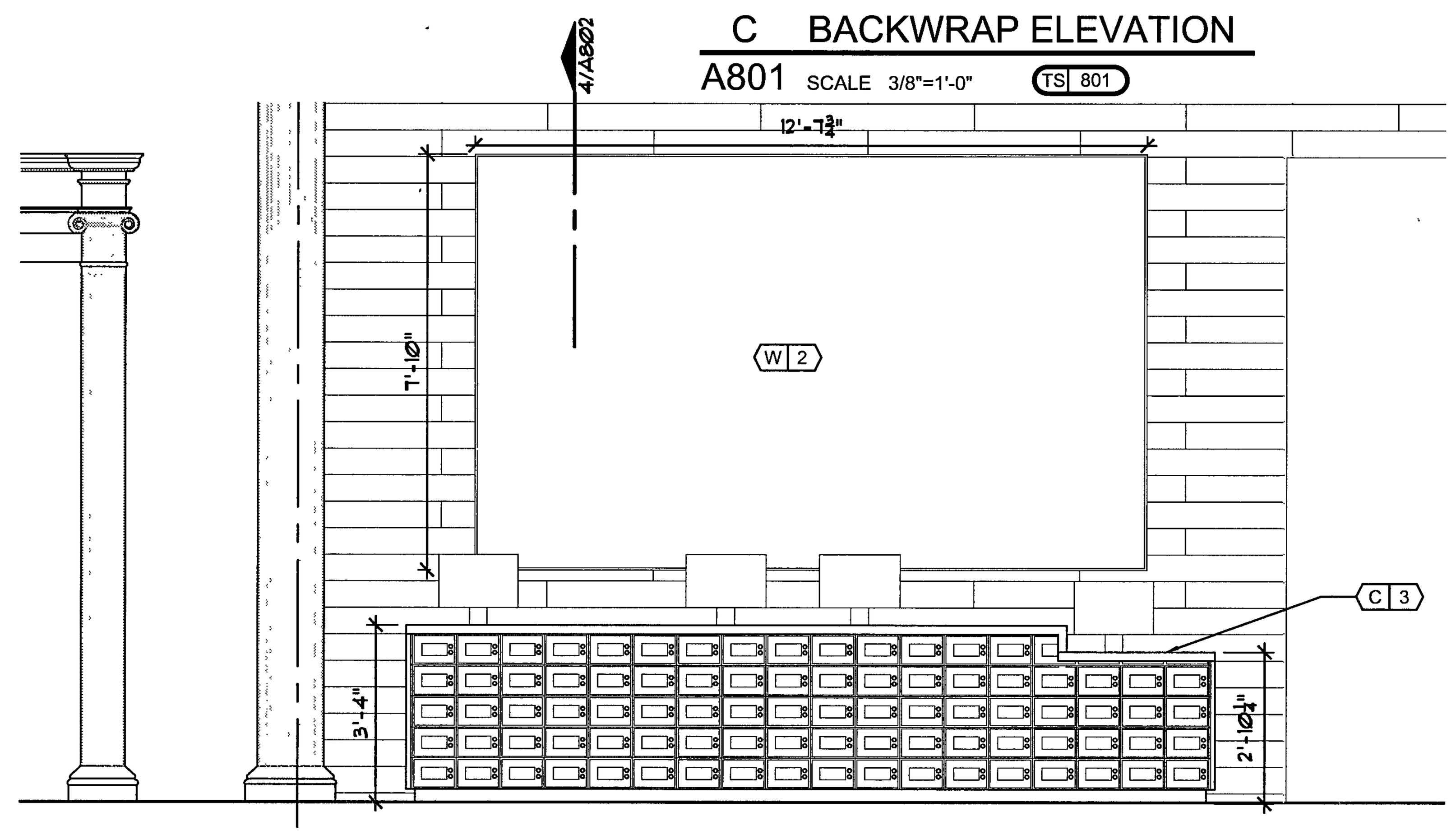
D CASHWRAP ELEVATION

A801 SCALE 3/8"=1'-0"



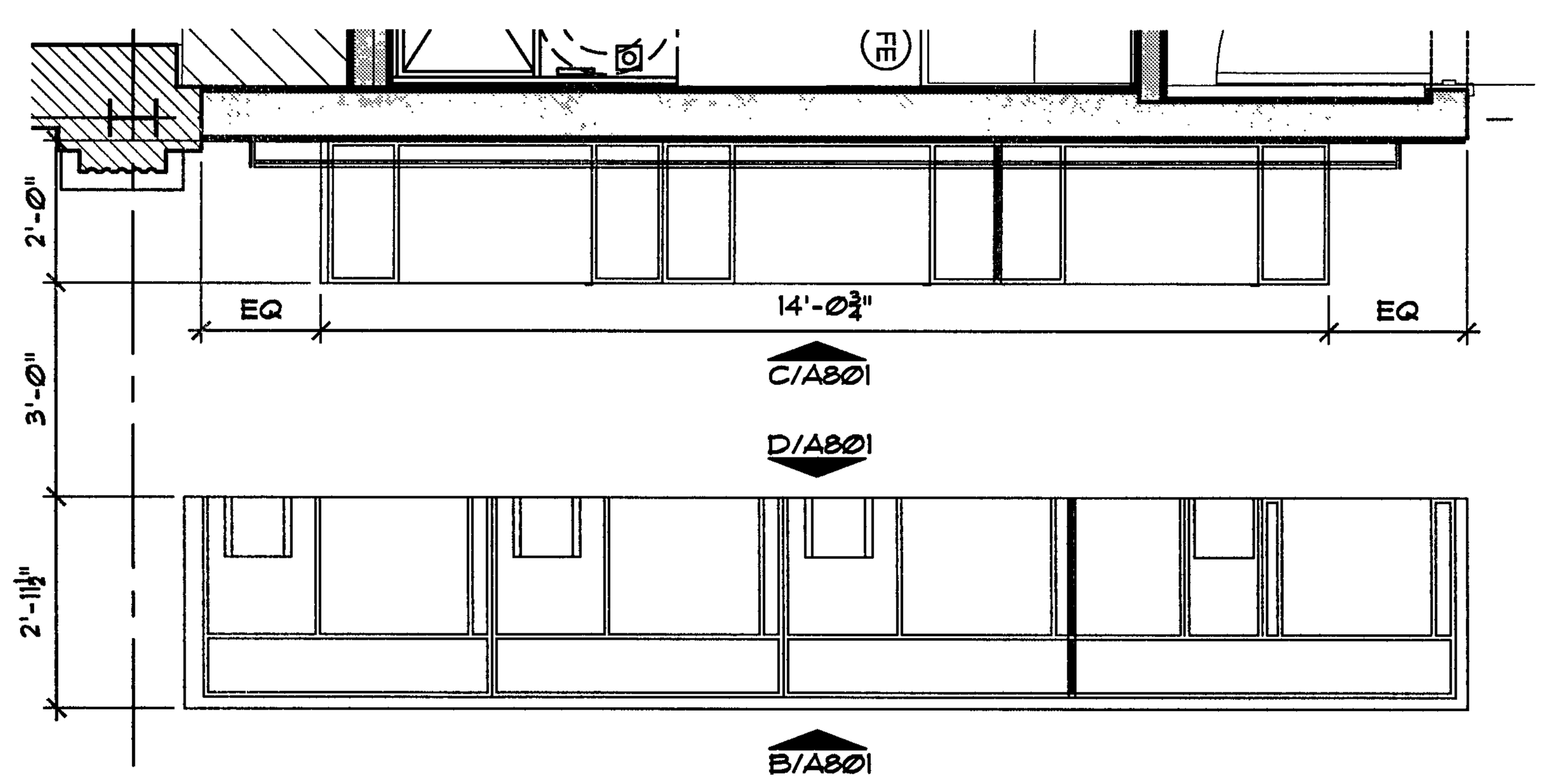
C BACKWRAP ELEVATION

A801 SCALE 3/8"=1'-0" TS 801



B CASHWRAP ELEVATION

A801 SCALE 3/8"=1'-0" TS 800



A CASHWRAP / BACKWRAP PLAN

A801 SCALE 3/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT
JERRY L. PHILLIPS JR.
No. 3000
STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
DRAWN BY

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ISSUE / DATE

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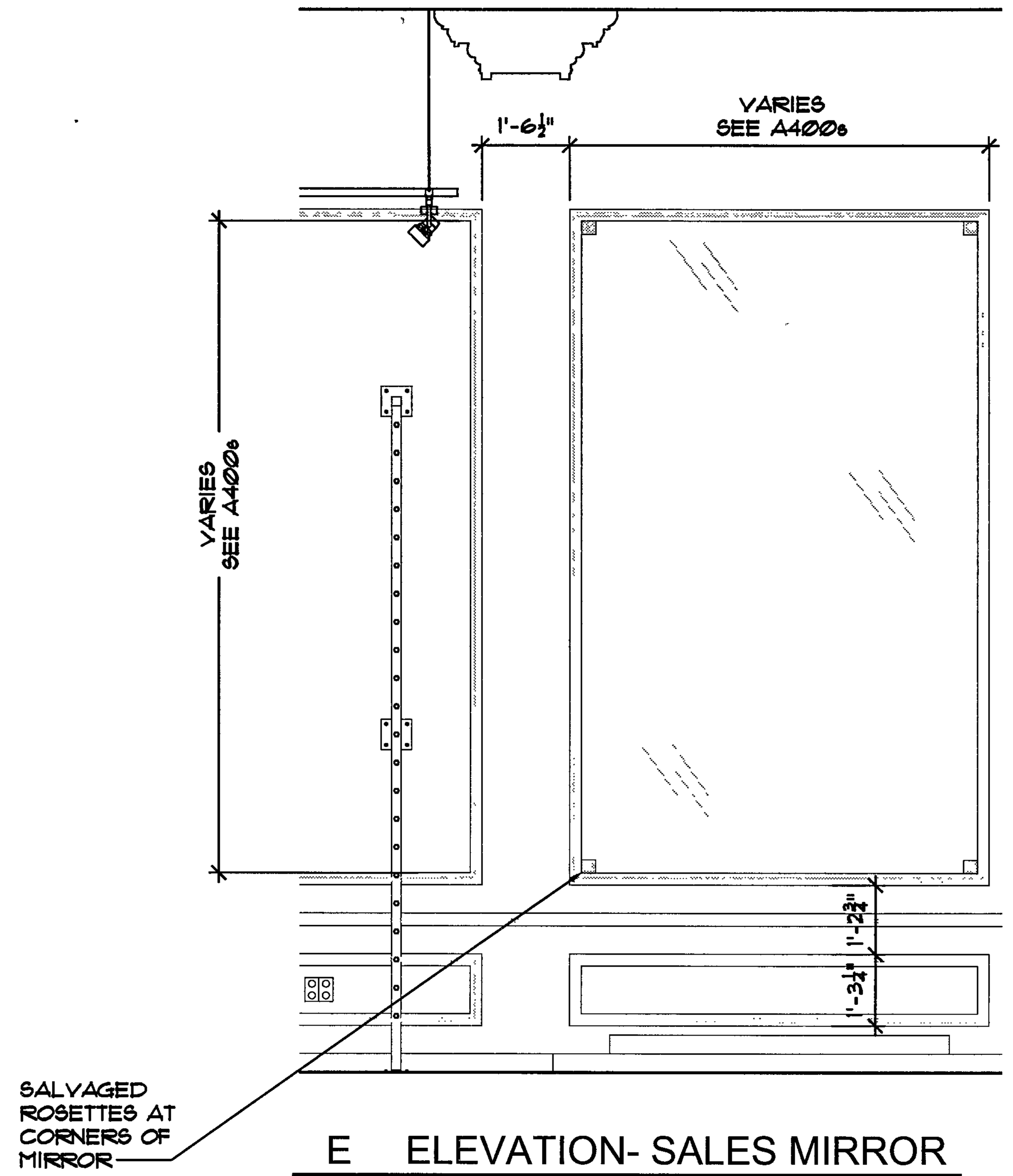
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION

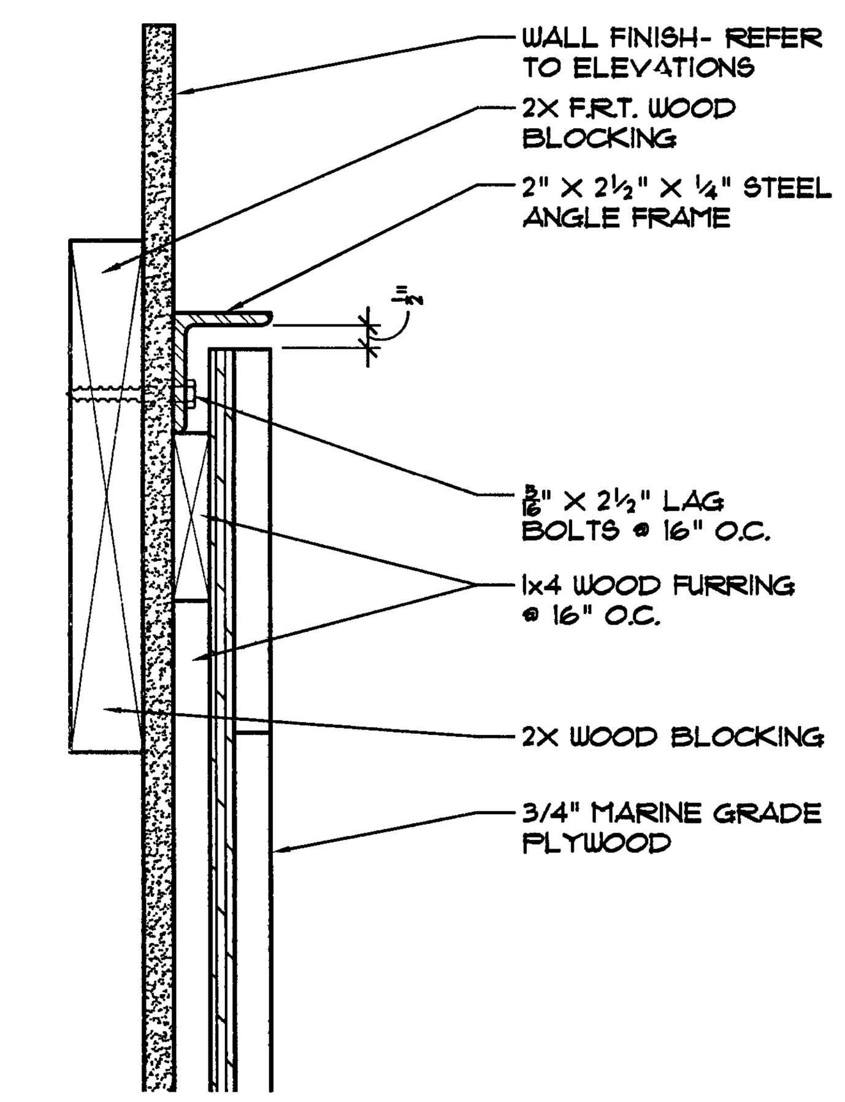
SHEET TITLE
CASHWRAP /
BACKWRAP
DETAILS

SHEET NO
A801



E ELEVATION- SALES MIRROR

A802 SCALE 3/8"=1'-0"



4 DETAIL- ARTWALL

A802 SCALE 3"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH. (864) 232 6642

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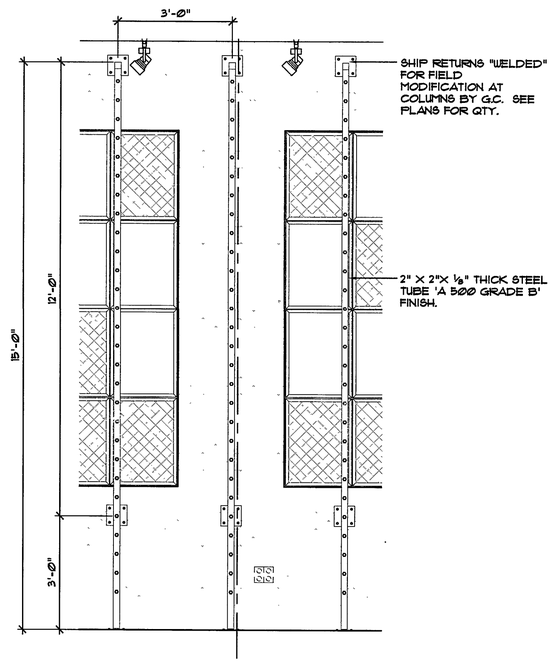
REVISION

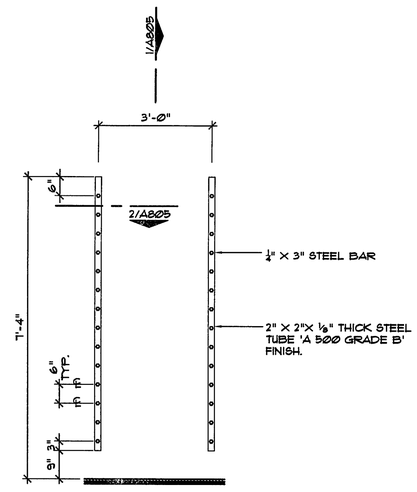
SHEET TITLE
CASHWRAP / BACKWRAP & MIRROR DETAILS

SHEET NO .
A802



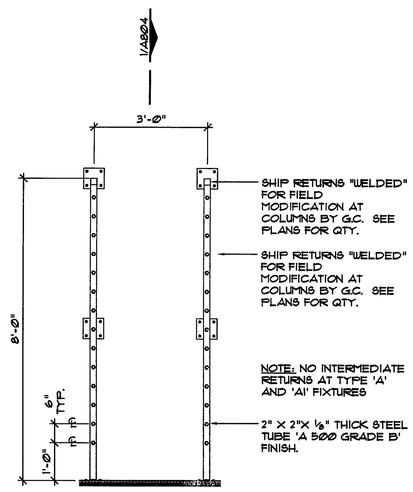
E OUTRIGGER STANDARD #4

A803 SCALE 1/2"=1'-0" TS 501



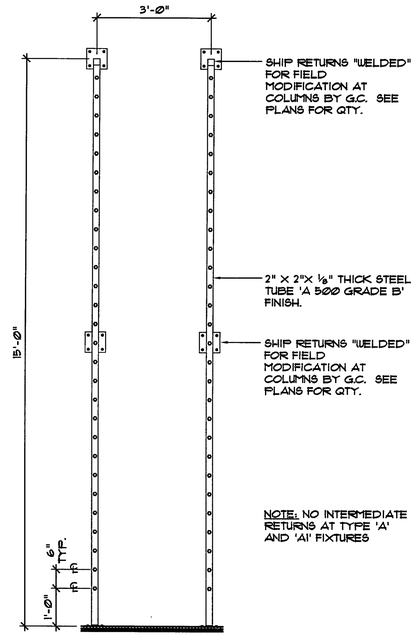
D FLAT STANDARD #1

A803 SCALE 1/2"=1'-0" TS 500



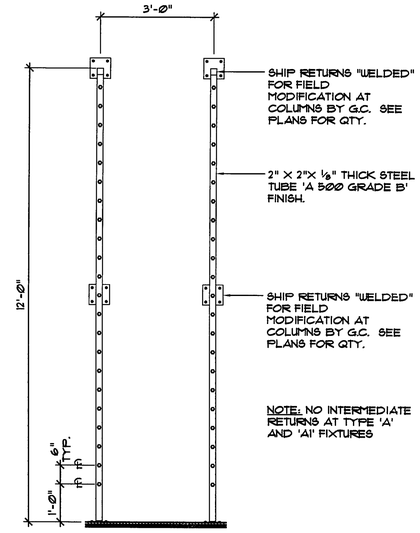
C OUTRIGGER STANDARD #3

A803 SCALE 1/2"=1'-0" TS 501



B OUTRIGGER STANDARD #2

A803 SCALE 1/2"=1'-0" TS 501



A OUTRIGGER STANDARD #1

A803 SCALE 1/2"=1'-0" TS 501

PHILLIPS

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188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT JERRY J. PHILLIPS, JR. No. 8698 STATE OF MAINE

07-22-11

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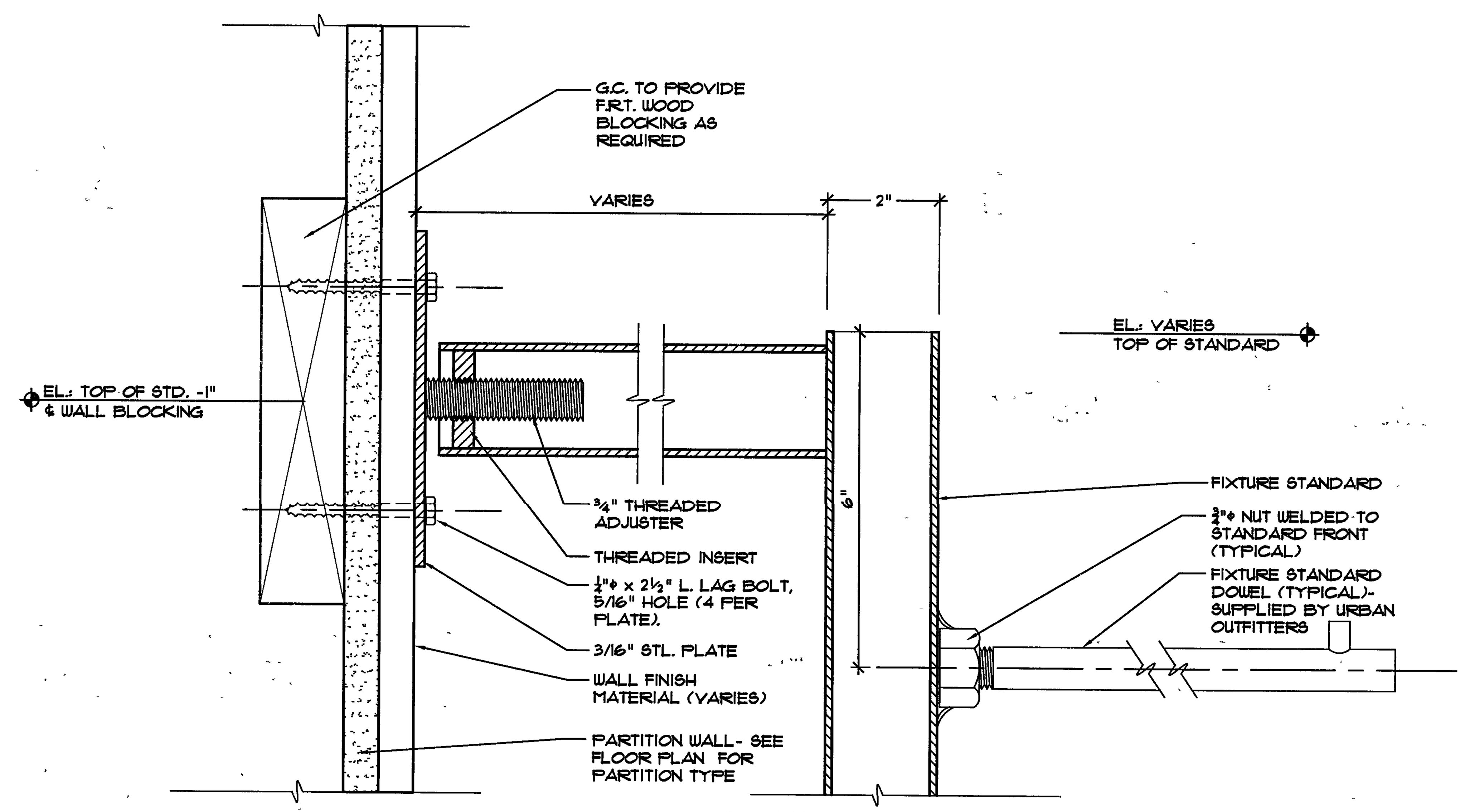
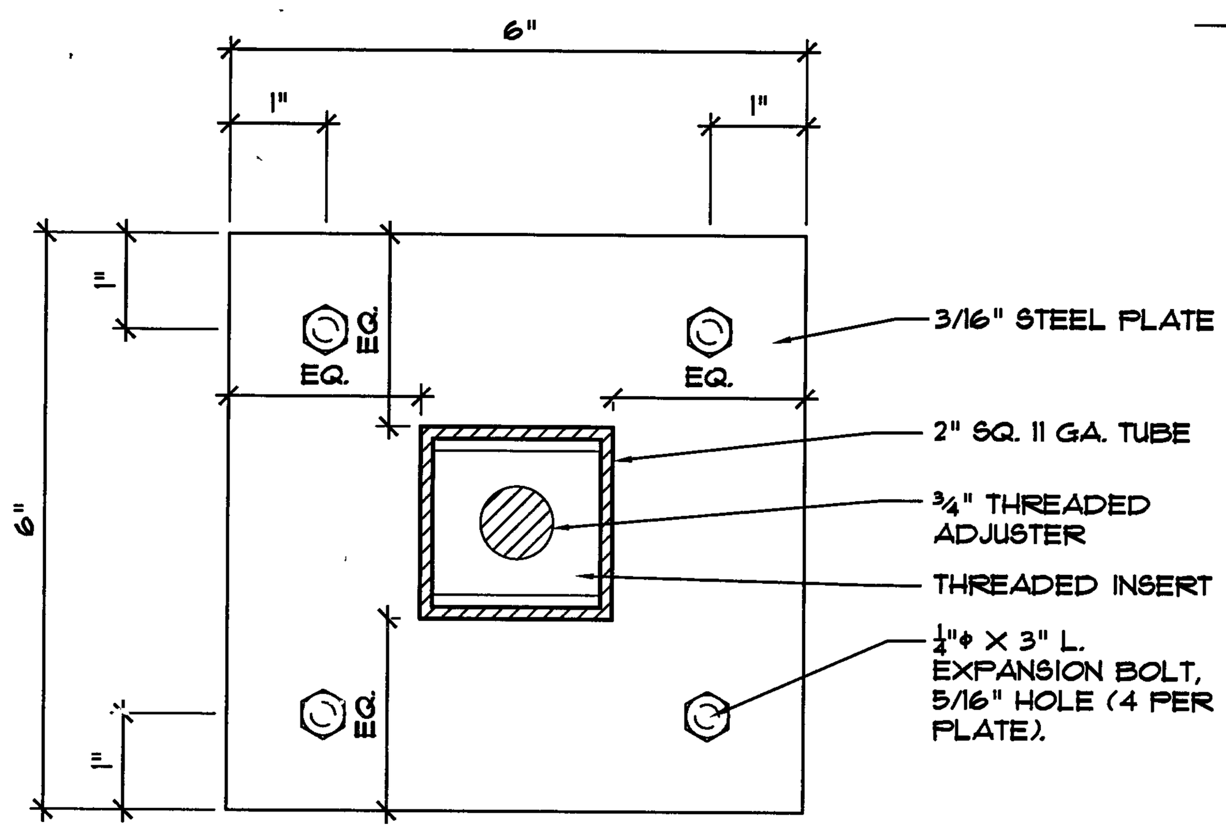
REVISION

SHEET TITLE
FIXTURE DETAILS

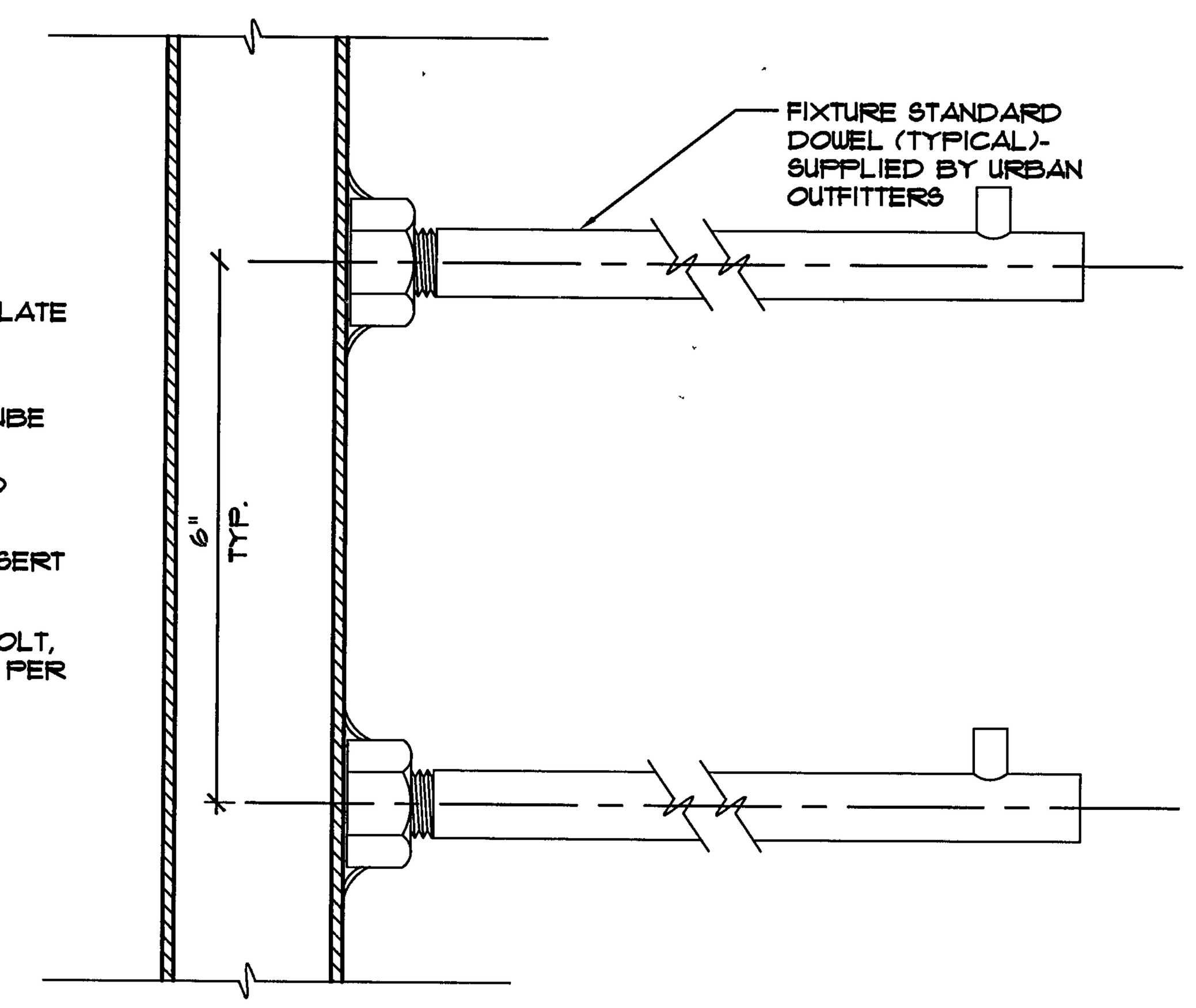
SHEET NO. ·
A803



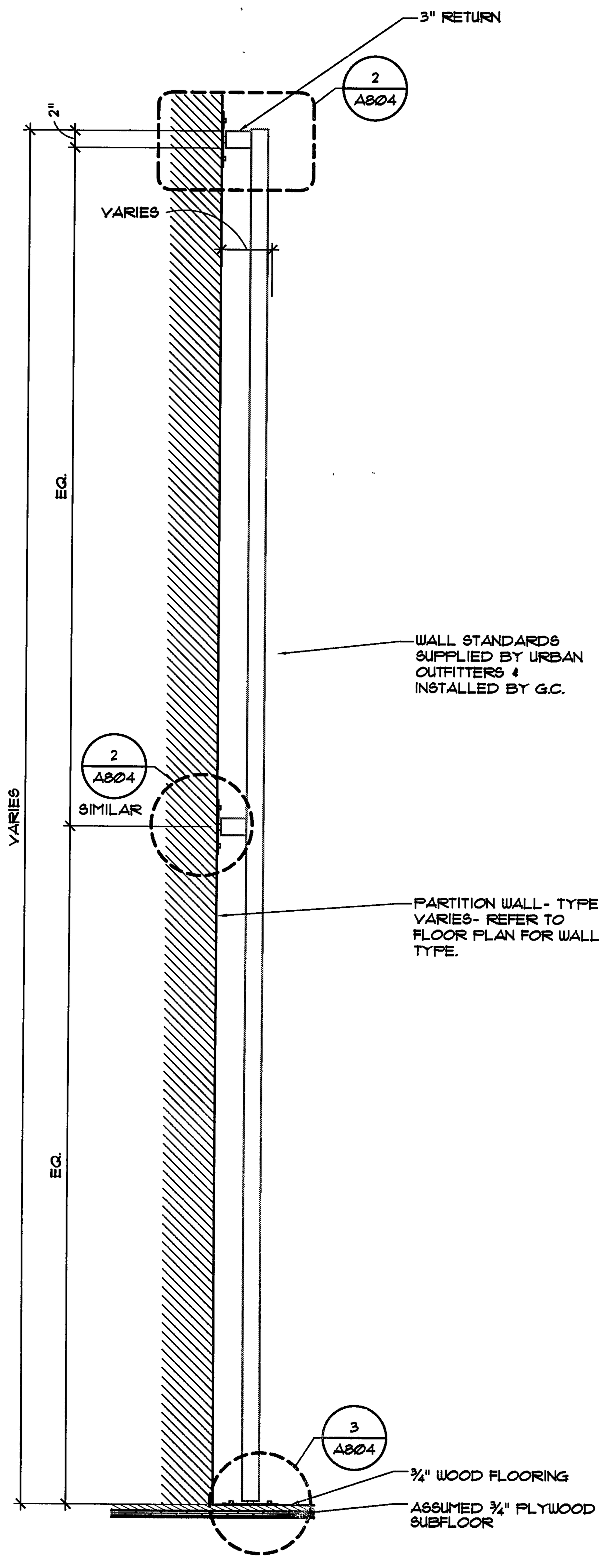
2 WALL PLATE DETAIL
A804 SCALE 6"=1'-0"



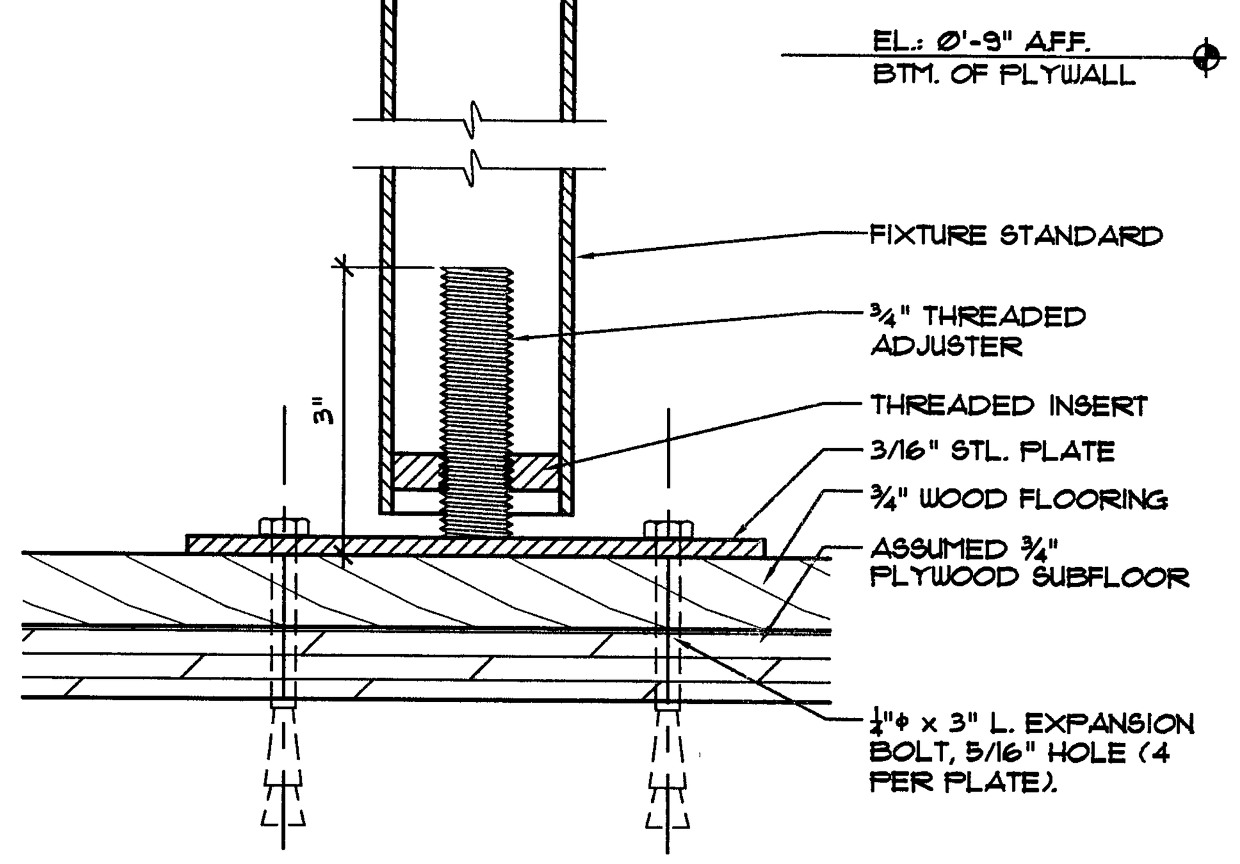
4 FLOOR / WALL PLATE DETAIL
A804 SCALE 6"=1'-0"



5 STANDARD DETAIL
A804 SCALE 6"=1'-0"



1 TYPICAL SECTION THRU WALL STANDARD
A804 SCALE 1"=1'-0"



3 FLOOR PLATE DETAIL
A804 SCALE 6"=1'-0"

PHILLIPS

URBAN OUTFITTERS

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DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT STATE OF MAINE 07.21.11

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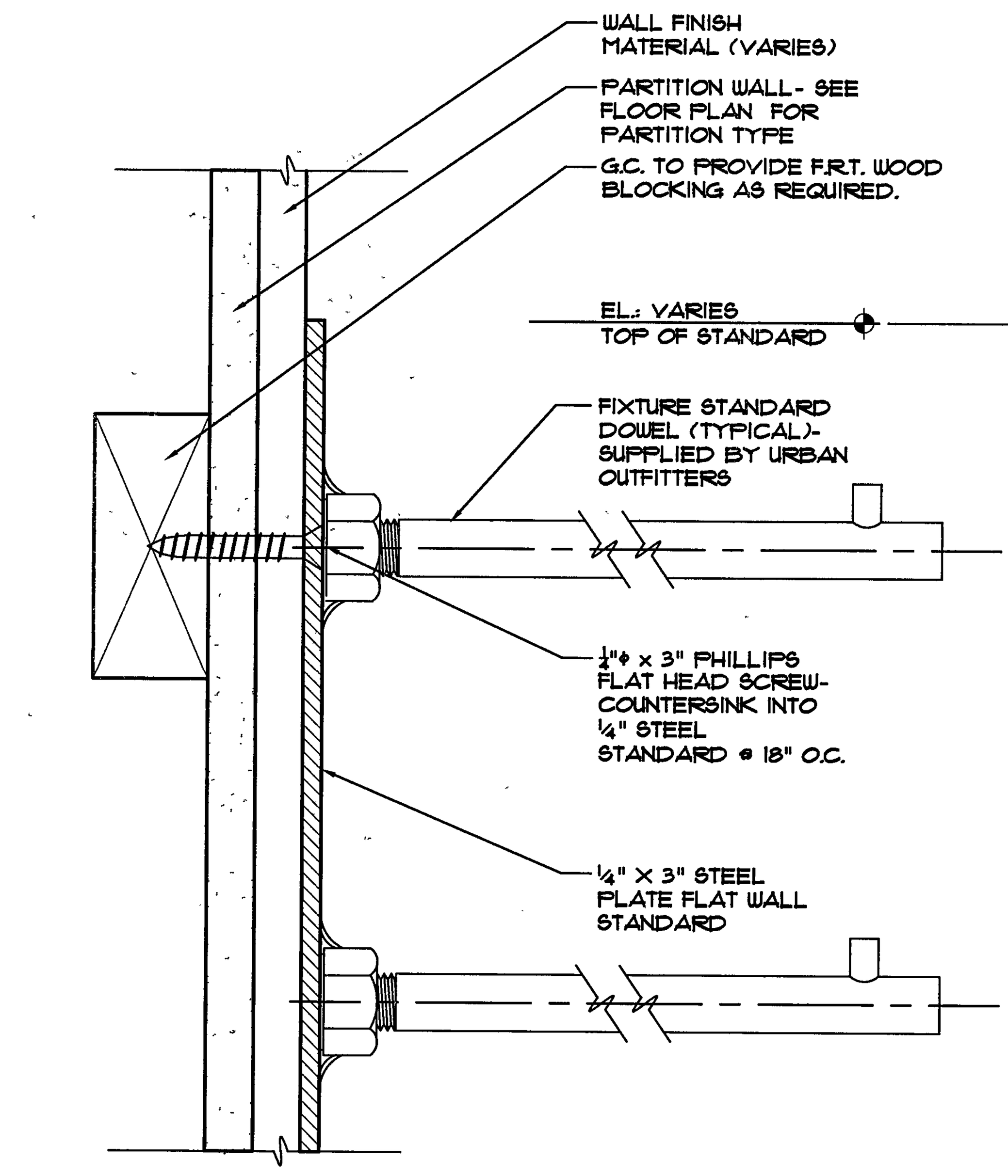
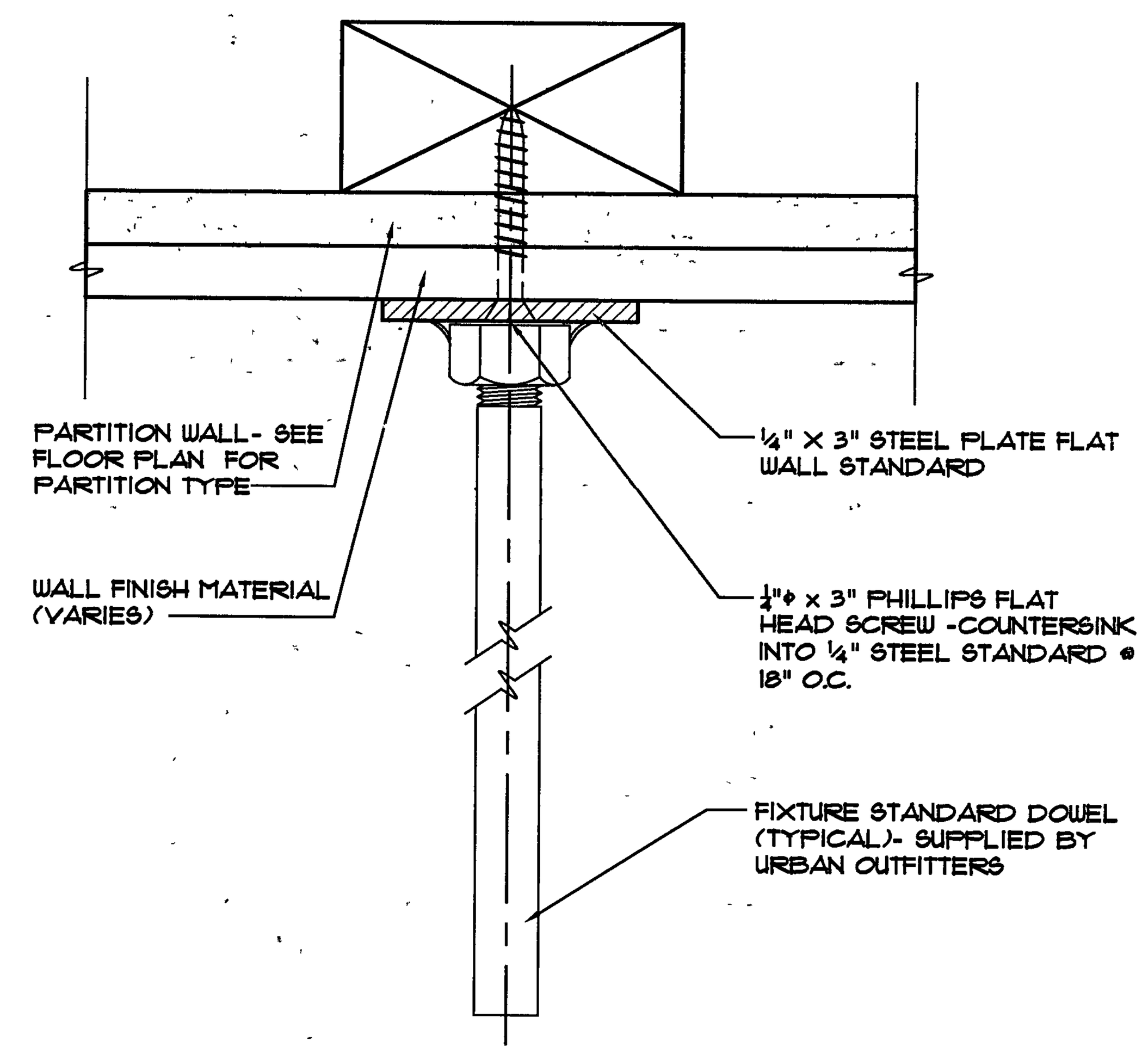
REVISION

SHEET TITLE
OUTRIGGER DETAILS

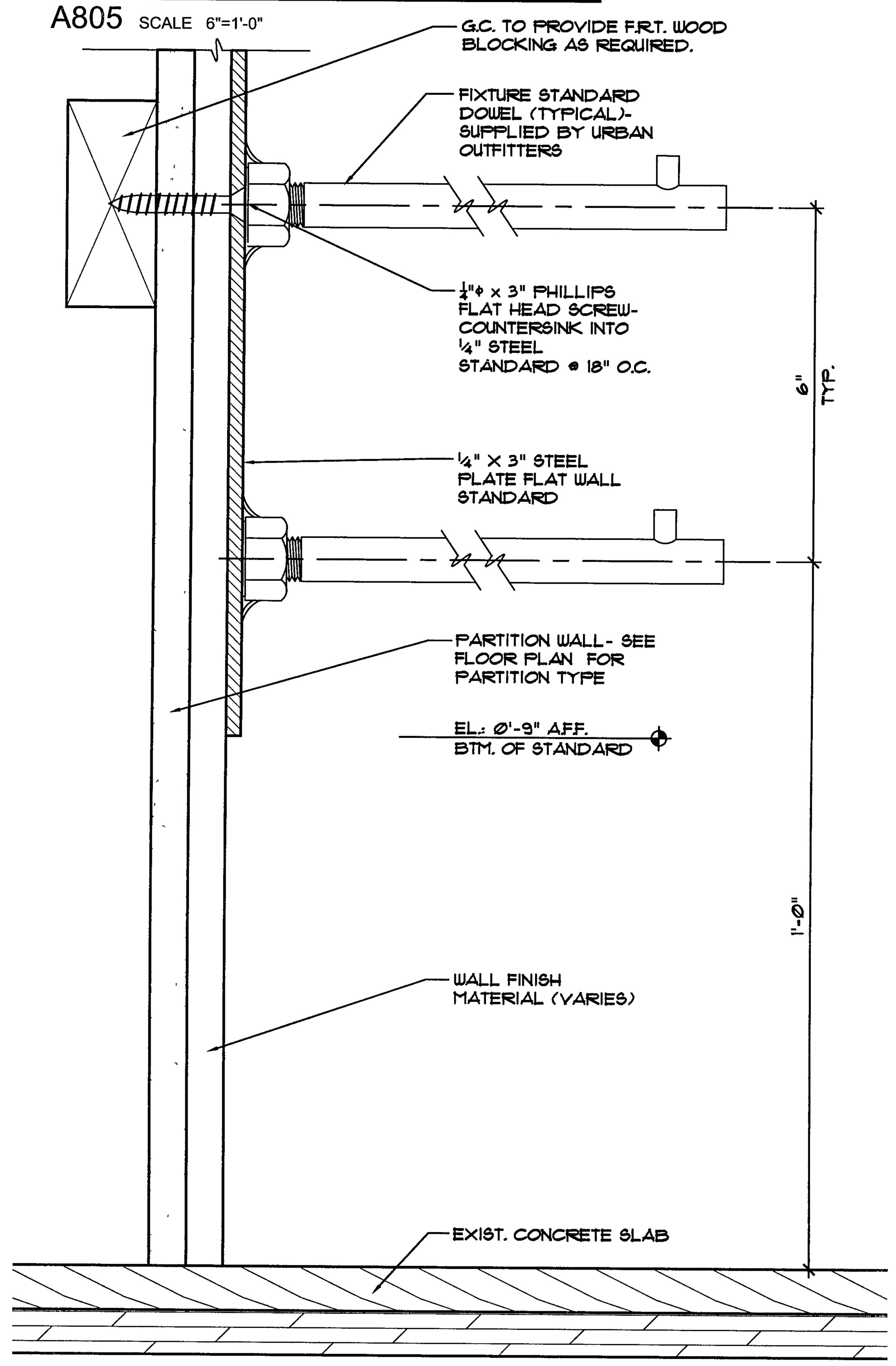
SHEET NO :
A804



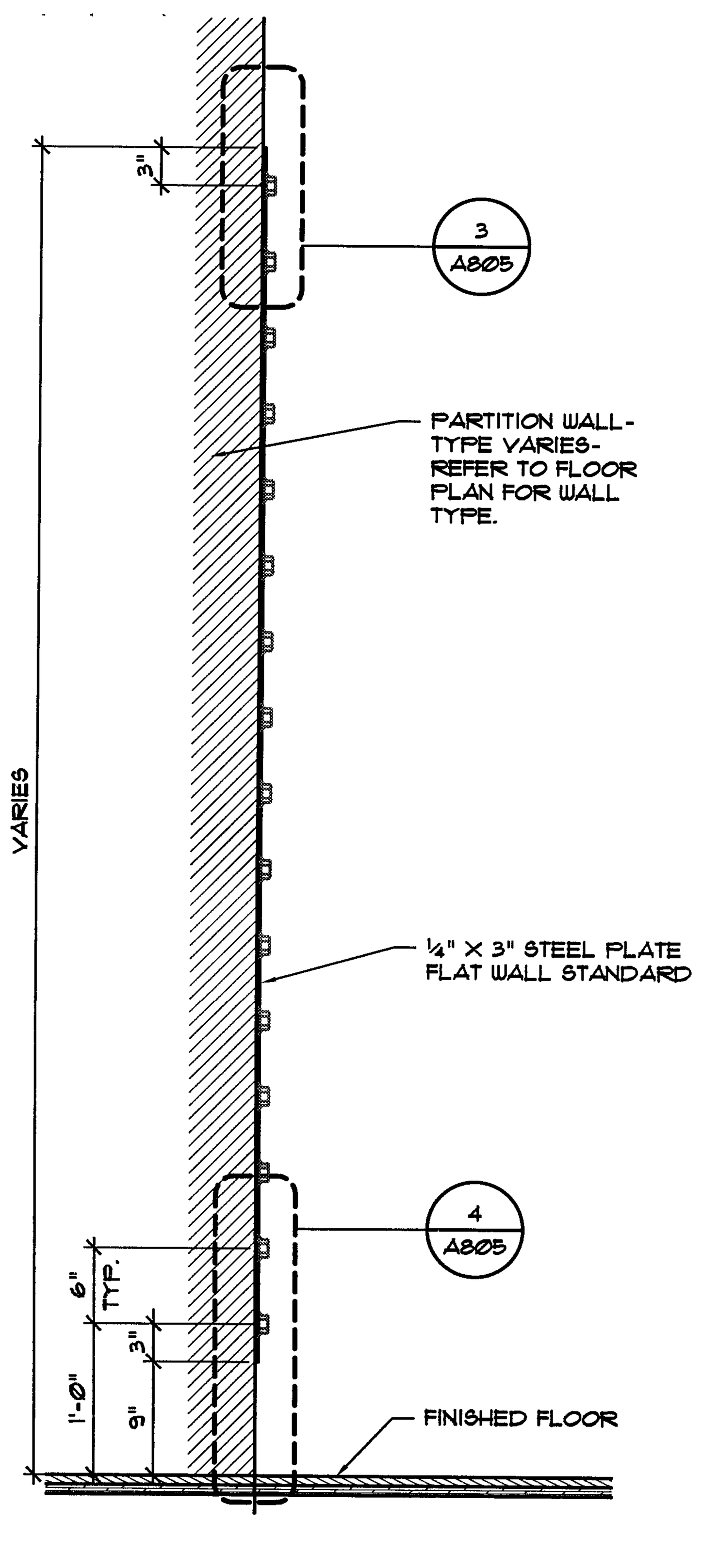
3 STANDARD DETAIL
A805 SCALE 6"=1'-0"



2 FLAT WALL STANDARD DETAIL
A805 SCALE 6"=1'-0"



4 FLAT WALL STANDARD DETAIL
A805 SCALE 6"=1'-0"



1 TYPICAL SECTION THRU FLAT WALL STANDARD
A805 SCALE 1"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT ... STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
DRAWN BY:
DB / HMW

ISSUE / DATE:

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE
WALL STANDARD SECTIONS / DETAILS

SHEET NO. :
A805

ARCHITECTURAL SPECIFICATIONS

BIDDING REQUIREMENTS
THE BID SHALL BE MADE ON THE FORM OF PROPOSAL FURNISHED BY THE ARCHITECT OR OWNER IF A BID FORM IS NOT PROVIDED BIDS SHALL BE SUBMITTED ON CONTRACTORS FORM OF PROPOSAL SUBMIT BIDS VIA FAX CLEARLY MARKED WITH STORE NAME, MALL NAME, CITY, AND STATE BID PROPOSALS SHALL BE FAXED TO THE OWNER, THE FAX NUMBER IS LISTED ON THE COVER SHEET OF THIS DRAWING PACKAGE

THE PROPOSAL SHALL BE SUBMITTED ON A STIPULATED SUM BASIS, PRESENTED BY ASSIGNING TO PREDETERMINED DIVISIONS LISTED ON THE BID FORM SHEET, SUMMATING TO THE STIPULATED SUM THE BIDDER IS REQUIRED TO BID ON THE BASE BID ALL ALTERNATES EACH ALTERNATE PRICE SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND SALES TAX

BEFORE SUBMITTING PROPOSALS FOR THIS WORK, EACH BIDDER WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF/HERSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE/SHE WILL BE OBLIGED TO OPERATE IN PERFORMING THE WORK, OR THAT WILL IN ANY MANNER AFFECT THE WORK UNDER THIS CONTRACT THE BASE BID SHALL REFLECT MODIFICATIONS TO SYSTEMS AND DEVICES AS REQUIRED BY STATE AND LOCAL CODES AND MALL PEQUIREMENTS WHETHER INDICATED OR NOT ON PROJECT DOCUMENTS THE SUBMISSIONS OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION AND COMPLIANCE WITH GOVERNING CODES/REQUIREMENTS HAS BEEN MADE LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION AND CODE/REQUIREMENTS REVIEW BEEN MADE, WILL NOT BE ALLOWED

QUESTIONS REGARDING INTERPRETATIONS OR CLARIFICATIONS OF REQUIREMENTS SHALL BE DIRECTED TO PHILLIPS PARTNERSHIP & ASSOCIATES, 400 PERIMETER CENTER TERRACE SUITE 650, ATLANTA GA 30346 PH (770) 394 1616 FAX (770) 394 1314

THE CONTRACT WILL BE AWARDED AS SOON AS POSSIBLE TO THE SELECTED BIDDER, AS DETERMINED BY THE OWNER, AND AT HIS/HER SOLE DISCRETION THE OWNER RESERVES THE RIGHT TO WAIVE ANY INFORMALITY IN BIDS RECEIVED WHEN SUCH WAIVER IS IN THE INTEREST OF THE OWNER

EXTRA WORK OR CHANGES IN THE WORK NOT CALLED FOR IN THE DRAWINGS OR SPECIFICATIONS ISSUED BY THE OWNER, WILL BE PERFORMED ON A WRITTEN AUTHORIZATION FROM THE OWNER NO CLAIM FOR EXTRA WORK WILL BE ALLOWED UNLESS A PRICE HAS BEEN AGREED UPON BEFOREHAND ON A CHANGE ORDER PREPARED BY THE CONTRACTOR AND AUTHORIZED BY THE OWNER

THE PRICE FOR EXTRAS SHALL BE CALCULATED AT THE CONTRACTOR'S COST PLUS OVERHEAD AND PROFIT AT THE PERCENTAGE LIMITED BY THE OWNER

SUBSTITUTIONS
WHENEVER POSSIBLE THROUGHOUT THE CONTRACT DOCUMENTS, THE MINIMUM ACCEPTABLE QUALITY OF WORKMANSHIP AND MATERIALS HAS BEEN DEFINED EITHER BY MANUFACTURER'S NAME AND CATALOG NUMBER OR BY REFERENCE TO RECOGNIZED INDUSTRY STANDARDS

UNLESS THE PRECISE COLOR AND PATTERN IS SPECIFICALLY DESCRIBED IN THE CONTRACT DOCUMENTS, WHENEVER A CHOICE OF COLOR OR PATTERN IS AVAILABLE IN A SPECIFIED PRODUCT, SUBMIT ACCURATE COLOR CHARTS AND PATTERN CHARTS TO THE ARCHITECT FOR HIS REVIEW AND SELECTION VERIFY PRIOR TO BIDDING, THAT ALL SPECIFIED ITEMS WILL BE AVAILABLE IN TIME FOR INSTALLATION DURING ORDERLY AND TIMELY PROGRESS OF THE WORK IN THE EVENT THAT A SPECIFIED ITEM WILL NOT BE AVAILABLE, NOTIFY THE ARCHITECT PRIOR TO SUBMITTING BID

THE ARCHITECT WILL CONSIDER PROPOSALS FOR SUBSTITUTION OF MATERIALS, EQUIPMENT AND METHODS ONLY WHEN SUCH SPECIFIED MATERIALS ARE UNAVAILABLE OR METHODS ARE INAPPROPRIATE AS SPECIFIED

DO NOT SUBSTITUTE MATERIALS OR EQUIPMENT, UNLESS SUCH SUBSTITUTION HAS BEEN SPECIFICALLY APPROVED FOR THIS WORK BY THE ARCHITECT

SUBSTITUTION PROCEDURE
CONTRACTORS REQUESTING SUBSTITUTES OR "EQUALS" TO ITEMS ON PLANS OR IN SPECIFICATIONS MUST FOLLOW THE PROCEDURES SET FORTH BELOW

REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT BY THE GENERAL CONTRACTOR SUBCONTRACTORS ARE NOT TO SUBMIT TO THE ARCHITECT DIRECTLY

THE REQUEST FOR SUBSTITUTION MUST BE ACCOMPANIED BY A COMPLETE DESCRIPTION OF THE PROPOSED EQUIPMENT SUCH AS CUT SHEETS OR SAMPLES TO ENABLE THE ARCHITECT TO MAKE A THOROUGH COMPARISON WITH THE SPECIFIED ITEM

ARCHITECT WILL, UPON SUCH REQUEST, EVALUATE THE PROPOSED SUBSTITUTION ON THE BASIS OF ADVERTISED TECHNICAL PERFORMANCE, SUITABILITY, SIZE OR OTHER CONSIDERATIONS AND INFORM OWNER/TENANT OF THE RECOMMENDED ACTION

IN ORDER TO FACILITATE THE EVALUATION PROCESS, GENERAL CONTRACTOR SHOULD SUBMIT DOCUMENTATION TO SUPPORT THE PROPOSED SUBSTITUTION ON THE BASIS OF WARRANTIES, COST DIFFERENCES, AND EXPECTED SERVICE LIFE AS COMPARED TO THE SPECIFIED EQUIPMENT PROCUREMENT TIME WILL NOT NORMALLY BE CONSIDERED AS JUSTIFICATION FOR SUBSTITUTION REQUESTS IN THE EVENT OF PROCUREMENT TIME BEING THE FACTOR, GENERAL CONTRACTOR SHALL PROVIDE ARCHITECT WITH THE SPECIFIC INFORMATION ALLOWING ARCHITECT TO EXPLORE THE DELAY AND TO ATTEMPT TO RESOLVE THE PROBLEM WITH A SUBSTITUTION

ONLY AFTER ARCHITECT ACCEPTS AND PROVIDES WRITTEN APPROVAL, WILL GENERAL CONTRACTOR ASSUME THE AUTHORITY TO PROCEED WITH THE PROPOSED SUBSTITUTION

GENERAL CONDITIONS DEFINITIONS
OWNER OR TENANT-- AS USED HEREIN SHALL MEAN STORE OWNER
DEVELOPER-- AS USED HEREIN SHALL MEAN MALL OWNER
ARCHITECT-- AS USED HEREIN SHALL MEAN PHILLIPS PARTNERSHIP & ASSOCIATES
CONTRACTOR-- AS USED HEREIN SHALL MEAN TENANT'S (OWNER'S) GENERAL CONTRACTOR AND/OR ANY SUBCONTRACTORS

AGREEMENT
THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT ARE INSTRUMENTS OF THE ARCHITECT'S SERVICE THROUGH WHICH THE WORK TO BE EXECUTED BY THE CONTRACTOR IS DESCRIBED NEITHER THE CONTRACTOR, SUBCONTRACTOR, SUB-SUBCONTRACTOR, MATERIAL OR EQUIPMENT SUPPLIER SHALL OWN OR CLAIM A COPYRIGHT IN THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT UNLESS OTHERWISE INDICATED, THE ARCHITECT SHALL BE DEEMED THE AUTHOR OF THEM AND WILL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, IN ADDITION TO THE COPYRIGHT THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT, AND COPIES THEREOF FURNISHED TO THE CONTRACTOR ARE FOR USE SOLELY WITH RESPECT TO THIS PROJECT

SHOULD THE DRAWINGS AND SPECIFICATIONS BE CONTRADICTORY, OR SHOULD THERE BE ERRORS IN EITHER, THE CONTRACTOR SHALL REFER THE MATTER TO THE ARCHITECT FOR EXPLANATION AND SHALL ABIDE BY THEIR DECISION

THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ACTIVITIES ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AT ONCE

PERMITS, FEES AND NOTICES
UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK WHICH ARE CUSTOMARILY SECURED AFTER EXECUTION OF THE CONTRACT AND WHICH ARE LEGALLY ACQUIRED WHEN BIDS ARE RECEIVED OR NEGOTIATIONS CONCLUDED

THE CONTRACTOR SHALL COMPLY WITH AND GIVE NOTICE AS REQUIRED BY LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON PERFORMANCE OF THE WORK

WARRANTY
THE CONTRACTOR WARRANTS TO THE OWNER AND ARCHITECT THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL BE OF GOOD QUALITY AND NEW UNLESS OTHERWISE REQUIRED OR PERMITTED BY THE CONTRACT DOCUMENTS, THAT THE WORK WILL BE FREE FROM DEFECTS NOT INHERENT IN THE QUALITY REQUIRED OR PERMITTED, AND THAT THE WORK WILL CONFORM WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS WORK NOT CONFORMING TO THESE REQUIREMENTS, INCLUDING SUBSTITUTIONS NOT PROPERLY APPROVED AND AUTHORIZED MAY BE CONSIDERED DEFECTIVE WARRANTY SHALL COMMENCE UPON PROVIDING USE AND OCCUPANCY PERMITS TO THE OWNER AND SHALL BE IN EFFECT FOR THE PERIOD DESCRIBED IN THE CONTRACT BUT NO LESS THAN ONE YEAR

INSURANCE
THE CONTRACTOR SHALL PURCHASE AND MAINTAIN
SUCH KINDS OF INSURANCE AS REQUIRED BY FEDERAL LAWS, AND BY THE LAWS OF THE STATE OR STATES IN WHICH THE WORK IS TO BE PERFORMED, OR BY ANY SPECIAL NATURE OF THE WORK WHICH WOULD INCLUDE WORKERS' COMPENSATION LAW AND OTHER EMPLOYEE BENEFIT LAWS CERTIFICATES EVIDENCING COVERAGE UNDER WORKERS' COMPENSATION LAWS SHALL BE FURNISHED TO THE OWNER FOR APPROVAL OF FORM AND ADEQUACY UPON REQUEST

CONTRACTOR'S COMPREHENSIVE GENERAL LIABILITY INSURANCE, INCLUDING CONTRACTUAL AND CONTRACTOR'S PROTECTIVE INSURANCE, SUCH AS INSURANCE TO COVER CLAIMS FOR BODILY INJURY AND BROAD FORM PROPERTY DAMAGE FOR COMPREHENSIVE GENERAL LIABILITY (INCLUDING PROTECTIVE) AND FOR COMPREHENSIVE AUTOMOBILE LIABILITY, INCLUDING OWNED, RENTED, HIRED, AND NON-OWNED AUTOMOBILES

UMBRELLA LIABILITY WITH COMBINATION SINGLE LIMIT, BODILY INJURY, PERSONAL INJURY, AND PROPERTY DAMAGE

AGREEMENT TO SAVE OTHERS HARMLESS OR TO ASSUME THE LIABILITY OF OTHERS MUST BE INSURED UNDER THE PROVISION FOR CONTRACTUAL LIABILITY BY ENDORSEMENT ON THE GENERAL LIABILITY POLICY

POLICIES SHALL BE SUBJECT TO APPROVAL OF OWNER AND DEVELOPER FOR FORM AND ADEQUACY OF PROTECTION

POLICY LIMITS SHALL BE ESTABLISHED BY OWNER OR DEVELOPER

DIVISION 1 - GENERAL REQUIREMENTS
SCOPE WORK INCLUDES, BUT IS NOT LIMITED TO CONSTRUCT A TEMPORARY ENCLOSURE AT THE STORE FRONT, REMOVING AND STORING OR DISPOSING OF EXISTING EQUIPMENT AS DIRECTED BY THE PLANS AND/OR THE OWNER, DEMOLISHING EXISTING STORE TO ORIGINAL DEMISING WALLS AND NEUTRAL LINES OF STOREFRONT(UNLESS DIRECTED OTHERWISE), CONSTRUCTING A NEW STORE BASED UPON THE WORK DESCRIBED IN THESE DOCUMENTS, REINSTALLING ORIGINAL AND NEW EQUIPMENT AND COMPLETE PROJECT CLOSEOUT, REMOVE TEMPORARY ENCLOSURES

PRIOR TO MAKING ANY VARIATIONS FROM THE DRAWINGS AND/OR SPECIFICATIONS THAT MAY BE DEEMED NECESSARY, THE CONTRACTOR SHALL GIVE THE ARCHITECT WRITTEN NOTICE SPECIFYING THE VARIATION PROPOSED AND REQUESTING APPROVAL

CHANGES IN THE WORK MAY BE ACCOMPLISHED AFTER EXECUTION OF THE CONTRACT, AND WITHOUT INVALIDATING THE CONTRACT, BY CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE OR ORDER FOR A MINOR CHANGE IN THE WORK

EACH CONTRACTOR OR SUBCONTRACTOR SHALL REVIEW THE EQUIPMENT SCHEDULE FOR ITEMS AFFECTING HIS PORTION OF THE WORK HE SHALL INCLUDE IN HIS PROPOSAL ANY AND ALL LABOR OR MATERIAL AS REQUIRED TO PROVIDE THE COMPLETE PROJECT

WORK BY OWNER
AT THE OWNER'S REQUEST, SOME OR ALL OF THE EXISTING EQUIPMENT OR FIXTURES MAY BE SAVED FOR REUSE AT THIS OR OTHER LOCATIONS THE CONTRACTOR AGREES TO FURNISH A SECURE STORAGE FACILITY, TRANSPORT ITEMS TO BE STORED TO THE STORAGE FACILITY, AND RETURN FOR REUSE THE ITEMS THE OWNER DESIGNATES THE SECURED STORAGE FACILITY FURNISHED BY THE CONTRACTOR MAY BE LOCATED IN THE DEVELOPER'S MALL, IN A SITE TRAILER WITH DEVELOPER'S PERMISSION, OR IN AN OFF- SITE STORAGE FACILITY UNTIL SUBSTANTIAL COMPLETION THE OWNER SHALL REMOVE ANY ITEMS NOT REUSED OR INSTRUCT THE CONTRACTOR TO DISPOSE

CONTRACTOR AGREES TO ACCEPT ALL OWNER FURNISHED ITEMS AT THE JOB SITE AND UNLOAD AND TRANSPORT THESE ITEMS FROM THE TRUCK BED OF DELIVERY CARRIER TO THE STORE OR STORAGE SPACE MANY TIMES THE OWNER'S PURCHASE ORDER REQUESTS TAILGATE DELIVERY OF ITEMS ICC REGULATIONS ARE STRUCTURED SO THAT THIS CANNOT BE ENFORCED THE CONTRACTOR, THEREFORE, MUST ASSUME THAT ALL ITEMS WILL BE DELIVERED TO THE SITE ON A TRUCK BED ONLY ONCE RECEIVED, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE ITEM

CONTRACTOR SHALL REVIEW WITH THE OWNER ALL ITEMS TO BE REUSED FROM EXISTING STORE AND/OR SUPPLIED BY OWNER THE CONTRACTOR AGREES TO INSTALL OR REINSTALL SAME

GENERAL CONTRACTOR SHALL REVIEW DOCUMENTS TO DETERMINE THE EXTENT OF ITEMS SUPPLIED BY THE OWNER

TEMPORARY CONSTRUCTION ENCLOSURES
THE CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY ENCLOSURES (BARRICADES, SHROUDS, VISQUENE, ETC) OVER OPENINGS SURROUNDING THE DEMISED TENANT SPACE TEMPORARY ENCLOSURES SHALL BE DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE TO OTHER PARTS OF THE BUILDING THE CONTRACTOR SHALL MEET WITH THE DEVELOPER'S REPRESENTATIVE TO DETERMINE THE EXTENT OF THE TEMPORARY ENCLOSURE COSTS FOR SUCH TEMPORARY ENCLOSURES, MATERIAL AND/OR LABOR SHALL BE PAID BY THE CONTRACTOR

IF LANDLORD PROVIDES CONSTRUCTION OF THE BARRICADE THE CONTRACTOR SHALL NOTIFY THE OWNER ON HIS BID IF THE GENERAL CONTRACTOR FAILS TO INFORM THE OWNER IN WRITING THEN THE GENERAL CONTRACTOR SHALL BE HELD TO HAVE INCLUDED THE BARRICADE IN HIS BID

UPON COMPLETION OF WORK AND FOLLOWING OWNERS AND DEVELOPERS APPROVAL, THE CONTRACTOR SHALL DISMANTLE TEMPORARY ENCLOSURES AND DISPOSE OF SAME AS REQUIRED PATCH AND REPAINT AREAS (MATCHING ADJACENT MATERIALS) WHICH WERE DAMAGED BY TEMPORARY ENCLOSURE

TEMPORARY FACILITIES
ELECTRIC, WATER, TOILET, TELEPHONE, HEAT, AND ANY OTHER SERVICE REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE FURNISHED AND PAID FOR BY THE CONTRACTOR UNLESS INDICATED OTHERWISE BY THE OWNER

CLEANING
THROUGHOUT THE PERIOD OF THEIR ON-SITE ACTIVITY, EACH CONTRACTOR AND SUBCONTRACTOR SHARES THE RESPONSIBILITY TO MAINTAIN THE BUILDING AND SITE IN AN ORDERLY AND CLEAN CONDITION

EACH CONTRACTOR SHALL PICK UP AND REMOVE ALL DEBRIS RESULTING FROM HIS/HER WORK AND SHALL SWEEP AND CLEAN HIS SHARE OF THE GENERAL DUST AND DIRT CREATED BY WORKMEN AND GENERAL ACTIVITY

TRASH AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE CONSTRUCTION SITE ON A DAILY BASIS IN A MANNER APPROVED BY THE LANDLORD

THE CONTRACTOR SHALL MAKE PROVISIONS OR COORDINATE WITH TENANT'S LANDLORD TO PROVIDE ARRANGEMENTS FOR THE STORAGE AND REMOVAL OF CONSTRUCTION DEBRIS AND SHALL PAY COSTS AS ARISE FOR SUCH PROVISION

SCHEDULE FINAL CLEANING TO ENABLE THE OWNER TO ACCEPT A COMPLETELY CLEAN PROJECT

"CLEAN," FOR THE PURPOSE OF THIS ARTICLE, AND EXCEPT AS MAY BE SPECIFICALLY PROVIDED OTHERWISE, SHALL BE INTERPRETED MEANING THE LEVEL OF CLEANLINESS GENERALLY PROVIDED BY SKILLED CLEANERS USING COMMERCIAL QUALITY BUILDING MAINTENANCE EQUIPMENT AND MATERIALS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ALL INTERIOR AND EXTERIOR SURFACES OF THE FIXTURES INCLUDING THE GLASS

DO NOT USE ANY SOLVENT OR ABRASIVES OF ANY TYPE TO CLEAN FIXTURES, PANELING, MOLDINGS OR TRIM WITHOUT FIRST OBTAINING APPROVAL OF FIXTURE CONTRACTOR USE NO SCENTED CLEANING AGENTS

VISUALLY INSPECT INTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES, AND OTHER FOREIGN MATTER

REMOVE ALL TRACES OF SPLASHED MATERIAL FROM ADJACENT SURFACES

REMOVE PAINT DROPPINGS, SPOTS, STAINS, AND DIRT FROM FINISHED SURFACES

CLEAN GLASS INSIDE AND OUTSIDE

TO SURFACES REQUIRING ROUTINE APPLICATION OF BUFFED POLISH, APPLY THE POLISH RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL BEING POLISHED

PROJECT CLOSEOUT
COMPLY WITH PROCEDURES STATED IN THE AGREEMENT FOR ISSUANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION

A PUNCH LIST SHALL BE COMPLETED BY THE ARCHITECT OR OWNER AND PRESENTED TO THE CONTRACTOR AS NECESSARY UPON RECEIPT, THE CONTRACTOR SHALL HAVE FIFTEEN (15) DAYS TO ACT UPON THE LIST BEYOND THAT PERIOD, THE OWNER MAY AT ITS SOLE DISCRETION AND UPON PRIOR NOTIFICATION OF CONTRACTOR BY OWNER PROCEED TO CORRECT OR CAUSE TO BE CORRECTED ALL DEFICIENCIES THEREIN SHALL BE PAID FOR WITH MONIES CONTAINED IN BUT NOT LIMITED TO THE TEN PERCENT (10%) RETENTION HELD BY THE OWNER THE PUNCH LIST IN NO WAY LIMITS THE WARRANTY

SHOULD STATUS OF COMPLETION OF WORK REQUIRE REINSPECTION BY OWNER DUE TO FAILURE OF WORK TO COMPLY WITH CONTRACTOR'S CLAIMS ON INITIAL INSPECTION, OWNER WILL DEDUCT THE AMOUNT OF THE DIRECT COSTS FOR REINSPECTION SERVICES FROM FINAL PAYMENT TO CONTRACTOR

IN ADDITION TO SUBMITTALS REQUIRED BY THE CONDITIONS OF THE CONTRACT, PROVIDE SUBMITTALS REQUIRED BY GOVERNING AUTHORITIES, AND SUBMIT A FINAL STATEMENT OF ACCOUNTING GIVING TOTAL ADJUSTED CONTRACT SUM, PREVIOUS PAYMENTS AND SUM REMAINING DUE

UNLESS SPECIFIED OR DIRECTED OTHERWISE, MAKE SUBMITTALS TO OWNER WITH LETTER OF TRANSMITTAL CONTAINING DATE, PROJECT TITLE, CONTRACTOR'S NAME AND ADDRESS, AND LIST OF DOCUMENTS

RECORD LOCATIONS OF CONCEALED UTILITIES AND APPURTENANCES, MODIFICATIONS, FIELD CHANGES, AND DETAILS ON CONTRACT DOCUMENTS

KEEP DOCUMENTS CURRENT DO NOT PERMANENTLY CONCEAL ANY WORK UNTIL REQUIRED INFORMATION HAS BEEN RECORDED STORE DOCUMENTS SEPARATE FROM THOSE USED FOR CONSTRUCTION

SUBMIT REQUIRED DOCUMENTS WITHIN TEN (10) DAYS AFTER DATE OF SUBSTANTIAL COMPLETION AND PRIOR TO FINAL APPLICATION FOR PAYMENT

SUBMIT WARRANTIES AND BONDS AS REQUIRED IN INDIVIDUAL SPECIFICATIONS SECTION HAVE WARRANTIES AND BONDS EXECUTED BY RESPONSIBLE SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS CO-EXECUTE SUBMITTALS WHEN REQUIRED

DIVISION 2 - SELECTIVE DEMOLITION
REFER TO DIVISION 1 REGARDING STORAGE OF OWNER'S EXISTING ITEMS

REFER TO DIVISION 1 REGARDING SCOPE OF WORK

REFER TO DIVISION 1 REGARDING TEMPORARY CONSTRUCTION ENCLOSURES

REFER TO DIVISION 1 REGARDING CLEANING

DO NOT INTERFERE WITH USE OF ADJACENT AREAS MAINTAIN FREE AND SAFE PASSAGE TO AND FROM CARRY OUT DEMOLITION WORK TO CAUSE AS LITTLE INCONVENIENCE TO ADJACENT OCCUPIED BUILDING AREAS AS POSSIBLE

CEASE OPERATIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF SAFETY OF STRUCTURE APPEARS TO BE ENDANGERED TAKE PRECAUTIONS TO PROPERLY SUPPORT STRUCTURE DO NOT RESUME OPERATIONS UNTIL SAFETY IS RESTORED

PROVIDE, ERECT, AND MAINTAIN BARRICADES, LIGHTING, GUARDRAILS, AND WARNING SIGNS AS REQUIRED BY APPLICABLE REGULATORY ADVISOR TO PROTECT OCCUPANTS OF BUILDINGS AND WORKERS

PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES IDENTIFY SERVICE LINES AND CAPPING LOCATIONS ON PROJECT RECORD DOCUMENTS

REMOVE SALVAGE AND DEBRIS FROM THE DEMISED SPACE AS IT ACCUMULATES DO NOT SELL, BURN, OR OTHERWISE DISPOSE OF SALVAGE AND DEBRIS ON THE SITE UNLESS DIRECTED OTHERWISE BY OWNER

MAINTAIN EXITING REQUIREMENTS AT ALL TIMES

MAINTAIN SECURITY OF EXISTING BUILDINGS WITH TEMPORARY DOORS, CLOSERS, AND LOCKSETS WHERE AN OPENING IS MADE IN A RATED WALL, PROVIDE TEMPORARY DOOR, FRAME, AND HARDWARE WITH APPROPRIATE RATING FOR WALL CONSTRUCTION

EXECUTE DEMOLITION WORK TO ENSURE SAFETY OF PERSONS, AND ADJACENT PROPERTY AGAINST DAMAGE BY SETTLEMENT, FALLING DEBRIS OR OTHER CAUSES IN CONNECTION WITH THIS WORK

DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS

REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED

REMOVE DEMOLISHED MATERIALS, TOOLS, AND EQUIPMENT FROM SITE UPON COMPLETION OF WORK LEAVE SITE IN AN ACCEPTABLE CONDITION

DIVISION 3 - CONCRETE
PERFORM CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH ACI 301-84 (REVISED 1987) -- SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS AND ACI 302 1R-80 GUIDE FOR CONCRETE FLOOR SLAB CONSTRUCTION

ALL CONCRETE SHALL BE PROPORTIONED TO DEVELOP 3,000 PSI AT 28 DAYS AND HAVE A MAXIMUM SLUMP OF 4-1/2 INCHES UNLESS REQUIRED OTHERWISE BY MALL DEVELOPER

ADMIXTURES POSSILITH OR EQUAL, AS MANUFACTURED BY MASTER BUILDERS COMPANY

WELDED STEEL WIRE FABRIC SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM A-185 SMOOTH TYPE

ALL CONCRETE SLABS SHALL BE REINFORCED WITH WELDED WIRE FABRIC, 6 X 6-#10 X 10 LAPPED 6" AT END AND SIDE LAPS

A 4" COMPACTED LAYER OF POROUS FILL SHALL BE PLACED UNDER THE CONCRETE SLAB OR AS REQUIRED BY DEVELOPER CRITERIA

SUBGRADE SHALL BE BROUGHT TO THE SPECIFIED LEVEL, COMPACTED AND FINISHED SMOOTH

COORDINATE WORK OF OTHER SECTIONS AND COOPERATE WITH TRADE INVOLVED IN FORMING AND SETTING OPENINGS, SLOTS, RECESSES, CHASES, SLEEVES, BOLTS, ANCHORS, AND OTHER INSERTS

INSTALL CAST-IN-PLACE CONCRETE SLABS LEVEL WITH ADJACENT CONCRETE SURFACES UNLESS DIRECTED OTHERWISE ALL CONCRETE SLABS SHALL BE PLANE WITH A MAXIMUM TOLERANCE OF 1/8" IN 10" AND SHALL NOT VARY AT ANY POINT MORE THAN 1/8" ABOVE OR BELOW THE PLANE SURFACE

PROTECT FRESHLY DEPOSITED CONCRETE FROM PREMATURE DRYING AND EXCESSIVELY HOT OR COLD TEMPERATURES AND MAINTAIN WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR THE EARLY HYDRATION OF THE CEMENT AND PROPER HARDENING OF THE CONCRETE

CURE ALL EXPOSED SURFACES OF CONCRETE DIRECTLY AFTER FINISHING OPERATIONS ACCOMPLISH CURING BY USING THE FOLLOWING METHOD

LIQUID MEMBRANES CONSISTING OF PLACING AN APPROVED WATERPROOF COMPOUND ON ALL EXPOSED SURFACES USING A STYRENE BUTADIENE TYPE COMPOUND, CONFORMING TO ASTM C 309, 30 PERCENT SOLIDS CONTENT MINIMUM, WITH A MAXIMUM MOISTURE LOSS OF 0 030 GRAMS PER SQUARE CENTIMETER WHEN APPLIED AT A COVERAGE RATE OF 300 SQUARE FEET PER GALLON

SLABS TO RECEIVE A GROUT BED FINISH SHALL BE WATER-CURED FOR 7 DAYS WITHOUT USE OF CURING COMPOUNDS

CONCRETE WORK SHALL NOT BE DONE WHEN TEMPERATURE IS 40° OR LESS AND FALLING

AT THE COMPLETION OF WORK, ALL SLABS WHICH ARE SHOWN TO BE EXPOSED CONCRETE SHALL BE CLEANED THOROUGHLY

AFTER CLEANING, THE EXPOSED CONCRETE SHALL BE GIVEN A SECOND COAT OF THE CURING/HARDENING COMPOUND SPECIFIED ABOVE

MODIFY OR REPLACE CONCRETE NOT CONFORMING TO REQUIRED LINES, DETAIL, AND ELEVATIONS

REPAIR OR REPLACE CONCRETE NOT PROPERLY PLACED RESULTING IN EXCESSIVE HONEYCOMBING AND OTHER DEFECTS DO NOT PATCH, REPAIR OR REPLACE EXPOSED ARCHITECTURAL CONCRETE EXCEPT UPON EXPRESS DIRECTION OR ARCHITECT/ENGINEER

POLISHED CONCRETE FLOORS
SUBCONTRACTOR SHALL HAVE AT LEAST 5 YEARS OF EXPERIENCE PROVIDING POLISHED CONCRETE FLOORS

SUBCONTRACTOR SHALL PROVIDE THREE (3) GRIND AND POLISH SAMPLES ON THE EXISTING CONCRETE IN AN AREA RECEIVING CARPET, WOOD, OR THE BACK OF HOUSE THE CONCRETE SAMPLES SHALL BE REVIEWED AND APPROVED BY THE DESIGNER AND THE BRAND, EITHER IN PERSON OR VIA PHOTOGRAPH

EXISTING SUBSTRATE SHOULD BE PREPARED TO THE SUBCONTRACTOR'S SPECIFICATIONS

WET GRIND THE FLOOR IN SEQUENTIAL PASSES OF 70, 120, 200, 400, AND 800 GRIT METAL BONDED DIAMOND GRIND PADS, RESPECTIVELY, USING A MINIMUM THREE (3)DISC PLANETARY GRINDER

APPLY AN IMPREGNATING SEALER AFTER THE 800 GRIT PASS ENSURE THAT THE SEALER USED DOES NOT CHANGE THE COLOR OF THE CONCRETE AND HAS A MATTE SHEEN

BUBBLES, BLEMISHES, WATERMARKS, RIDGES AND SWIRL MARKS FROM THE GRINDING MACHINE ARE NOT ACCEPTABLE THERE SHOULD BE NO VISUAL EVIDENCE THAT A GRINDER WAS USED IN PREPARING THE SURFACE

DIVISION 5 - METALS
STRUCTURAL STEEL SHALL CONFORM TO ASTM A36

BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM 307

WELDING MATERIALS SHALL CONFORM TO AWS D1 1, TYPE REQUIRED FOR MATERIALS BEING WELDED

SHOP PRIME ALL MATERIAL CONFORMING TO FED SPEC TT-P-31 RED, INCLUDING FIELD TOUCH UP

VERIFY DIMENSIONS ON SITE PRIOR TO SHOP FABRICATION

GRIND EXPOSED WELDS FLUSH AND SMOOTH WITH ADJACENT FINISHED SURFACES EASE EXPOSED EDGES TO SMALL UNIFORM RADIUS

EXPOSED MECHANICAL FASTENINGS FLUSH COUNTERSUNK SCREWS OR BOLTS, UNOBTRUSIVELY LOCATED, CONSISTENT WITH DESIGN OF STRUCTURE, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE

MAKE EXPOSED JOINTS BUTT TIGHT, FLUSH, AND HAIRLINE

SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE OF METAL FABRICATIONS FABRICATE ANCHORAGE AND RELATED COMPONENTS OF SAME MATERIAL AND FINISH AS METAL FABRICATION, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE

CLEAN SURFACES OF RUST, SCALE, GREASE, AND FOREIGN MATTER PRIOR TO FINISHING

DO NOT PRIME SURFACES IN DIRECT CONTACT BOND WITH CONCRETE OR WHERE FIELD WELDING IS REQUIRED

PRIME PAINT ITEMS SCHEDULED WITH TWO COATS

INSTALL ITEMS PLUMB AND LEVEL, ACCURATELY FITTED, FREE FROM DISTORTION OR DEFECTS

AFTER INSTALLATION, TOUCH-UP FIELD WELDS, SCRATCHED, OR DAMAGED SURFACES WITH PRIMER

PROVIDE AND INSTALL ITEMS LISTED IN SCHEDULE AND SHOWN ON DRAWINGS WITH ANCHORAGE AND ATTACHMENTS NECESSARY FOR INSTALLATION

ALUMINUM EXTRUSIONS AS INDICATED SHALL BE BY STYLEMARK, INC , SHAPES, COMPONENTS, ASSEMBLES AND FINISHES SHALL BE INDICATED OR AS SELECTED BY ARCHITECT ASSEMBLIES MUST BE SHIPPED COMPLETE FOR PROPER INSTALLATION

STEEL ENTRANCE'S, STOREFRONT SYSTEM, AND OTHER FABRICATIONS
REFER TO DRAWINGS FOR SCOPE (TYPICALLY - HANDRAILS, GUARDS, MONUMENTAL STAIRS, DISPLAY COMPONENTS, ETC)

1 STEEL SUBCONTRACTOR TO FIELD VERIFY STOREFRONT DIMENSIONS, PRODUCE AND SUBMIT STOREFRONT SHOP DRAWINGS TO ARCHITECT

2 THE INDIVIDUAL STEEL STOREFRONT PIECES (GLAZING STOPS AND TUBE STEEL) ARE TO BE PREFABRICATED PER APPROVED SHOP DRAWINGS

3 THE STEEL FABRICATOR TO WELD THE FIXED GLAZING STOPS TO STOREFRONT FRAME

4 THE INDIVIDUAL, PREFABRICATED PIECES ARE TO BE FULLY OILED PRIOR TO TRANSPORT TO THE POWDER COATER TO PREVENT ANY RUST FROM FORMING

5 SEND INDIVIDUAL, PREFABRICATED PIECES TO A LOCAL POWDER COATER TO APPLY A POLYESTER CLEAR COAT IN A CONTROLLED ENVIRONMENT

6 THE FINISHED PREFABRICATED STOREFRONT PIECES ARE THEN SHIPPED TO THE JOBSITE

7 THE PREFABRICATED PIECES ARE THEN ERECTED IN THE FIELD WITH A COMBINATION OF WELDED AND SCREWED CONNECTIONS

a SUBCONTRACTOR TO PROVIDE POWDER-COATED STEEL SCREWS FOR ALL SCREWED CONNECTIONS

b FASTEN THE PERIMETER STEEL TO THE SILLS, HEADERS AND JAMBS, RESPECTIVELY USING COUNTERSUNK SCREWS THAT PENETRATE BOTH WALLS OF THE STEEL TUBE

c ALL STEEL MEMBERS ARE WELDED TO ONE ANOTHER, WITH WELDED MITER JOINTS AT ALL CORNERS

8 ALL VISIBLE WELDS ARE TO BE GROUND SMOOTH, WITH THE RESULTANT GRIND AREA TREATED WITH BIRCHWOOD CASEY'S PRESTO BLACK AFTER THE PRESTO BLACK TREATMENT THE STEEL IS SEALED WITH BIRCHWOOD CASEY DRI TOUCH PLUS IRP3 RUST INHIBITOR

9 SYSTEM IS TOUCHED UP IN THE FIELD BY FOAM ROLLING ON POLYESTER CLEAR COAT SEALANT

DIVISION 6 - WOODS AND PLASTICS
ROUGH CARPENTRY
DIMENSION LUMBER FOR BLOCKING, BACKING, AND MISCELLANEOUS FRAMING SHALL BE CONSTRUCTION GRADE, Fb - SINGLE = 1350 psi SPRUCE-PINE-FIR (SOUTH)

DIMENSION LUMBER FOR STUDS SHALL BE HEM - FIR NO 2 & BTR

BOARDS, ONE INCH THICK AND UNDER WHERE EXPOSED, SHALL BE NO 1 COMMON DOUGLAS FIR, WHITE FIR, WHITE SPRUCE, OR PONDEROSA PINE UNLESS NOTED OTHERWISE MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT

BOARDS, ONE INCH THICK AND UNDER WHERE CONCEALED BY PERMANENT CONSTRUCTION, SHALL BE NO 2 OR BETTER

INTERIOR PLYWOOD WHERE COMPLETELY CONCEALED BY PERMANENT CONSTRUCTION SHALL BE C-D PLUGGED INT-APA

EXTERIOR PLYWOOD WHERE CONCEALED OR USED FOR BACKING FOR OTHER MATERIALS SHALL BE C-D EXT-APA

NAILS, SPIKES, AND STAPLES SHALL BE GALVANIZED FOR EXTERIOR LOCATIONS, HIGH HUMIDITY LOCATIONS, AND TREATED WOOD, PLAIN FINISH FOR OTHER INTERIOR LOCATIONS USE SIZES AND TYPES TO SUIT APPLICATION

BOLTS, NUTS, WASHERS, LAGS, AND SCREWS SHALL BE MEDIUM CARBON STEEL USE SIZE AND TYPE TO SUITE APPLICATION, GALVANIZED FOR EXTERIOR LOCATIONS, HIGH HUMIDITY LOCATIONS, AND TREATED WOOD, PLAIN FINISH FOR OTHER INTERIOR LOCATIONS

PROVIDE TOGGLE BOLTS OR TAPCON FASTENERS FOR ANCHORAGE TO HOLLOW MASONRY PROVIDE EXPANSION SHIELD AND LAG BOLT FOR ANCHORAGE TO SOLID MASONRY OR CONCRETE PROVIDE BOLTS OR POWER ACTIVATED FASTENERS FOR ANCHORAGE TO STEEL

ALL PLYWOOD, FRAMING, BLOCKING, ETC ON THE INTERIOR OR EXTERIOR IS REQUIRED TO BE FIRE-RETARDANT-TREATED AND SHALL BE BY PRESSURE TREATMENT IN ACCORDANCE WITH AWPB STANDARD C-20 FOR LUMBER AND C-27 FOR PLYWOOD

TREATED MATERIAL SHALL BE LABELED TO INDICATE PRESSURE TREATMENT

TREATMENT SHALL BE FOR CLASS "A" FLAME SPREAD RATING

ALL FRAMING SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED FRAMING PRACTICES

BUCKS, WHERE REQUIRED FOR FRAMES, SHALL BE NOMINAL 2 INCH THICK MATERIAL AND OF WIDTH REQUIRED BY CONDITIONS ANCHOR INTO CONCRETE OR MASONRY WALLS LAG BOLTS AND SHIELDS

BLOCKING SHALL BE FURNISHED WHERE REQUIRED FOR ATTACHMENT OF OTHER MATERIALS THEY SHALL BE PLUMB, LEVEL, STRAIGHT AND SET TO LINE ALL GROUNDS SHALL BE SOLID GROUNDS SHALL BE PROVIDED AT ALL OPENINGS IN WALLS REQUIRING WOOD TRIM OR WHERE GRILLES ARE BEING INSTALLED

CUT ALL MEMBERS SQUARE ON BEARINGS CLOSELY FITTED, ACCURATELY CUT TO REQUIRED LINES AND LEVELS AND RIGIDLY SECURED IN PLACE

WHERE INDICATED, INTERIOR WALLS SHALL BE CONSTRUCTED OF 2 X 4'S SET AT 16 INCHES O C WITH SINGLE FLOOR PLATE AND DOUBLE HEAD PLATE UNLESS SHOWN OTHERWISE

INSTALL MISCELLANEOUS BLOCKING, NAILING STRIPS, FRAMING, SHEATHING, AND BACKING AS REQUIRED FOR ATTACHING FASTENERS, ACCESSORIES FOR WALL ITEMS,AND ETC

INSTALL MEMBERS TRUE, PLUMB, AND LEVEL SECURE IN PLACE

SPACE MISCELLANEOUS FRAMING AND FURRING AT 16 INCHES ON CENTER

CONSTRUCT MEMBERS OF CONTINUOUS PIECES OF LONGEST POSSIBLE LENGTHS

FINISH CARPENTRY
THIS SECTION INCLUDES FINISH CARPENTRY AND FABRICATED PLASTIC ITEMS, OTHER THAN SHOP FABRICATED WORK, WITH ATTACHMENT ACCESSORIES

STORE INDOORS IN VENTILATED AREAS WITH CONSTANT 60 DEGREE FAHRENHEIT TEMPERATURE AND 55 PERCENT MAXIMUM RELATIVE HUMIDITY

SOFTWOOD LUMBER PS 20, CUSTOM GRADE IN ACCORDANCE WITH AWI, MAXIMUM MOISTURE CONTENT OF 5 TO 10 PERCENT FOR INTERIOR WORK AND 15 PERCENT FOR EXTERIOR WORK

HARDWOOD LUMBER PS 58 OR FED SPEC MM-L-736, CUSTOM GRADE IN ACCORDANCE WITH AWI, MAXIMUM MOISTURE CONTENT OF 5 TO 10 PERCENT

WOOD PARTICLE BOARD MEDIUM DENSITY PARTICLEBOARD (45 LBS)

WOOD FIBER BOARD MEDIUM DENSITY FIBERBOARD (37 TO 50 LBS PER CUBIC FOOT)

SOFTWOOD PLYWOOD APA A-B

HARDBOARD PRESSED WOOD FIBER, STANDARD TEMPERED SERVICE GRADE

FRAME CONSTRUCTION HARDWOOD AS INDICATED IN THE SCHEDULE, SOLID WOOD JAMBS AND HEAD ACCURATELY HOUSED TOGETHER AND SECURED WITH NAILS AND GLUE AS REQUIRED APPLY STOPS OF SAME SPECIES AS FRAME

NAILS SIZE AND TYPE TO SUIT APPLICATION

BOLTS, NUTS, WASHERS, LAGS, AND SCREWS SIZE AND TYPE TO SUIT APPLICATION, NON-CORROSIVE FOR HIGH HUMIDITY, PLAIN FINISH AT OTHER INTERIOR LOCATIONS

THE GENERAL CONDITIONS

FINISH CARPENTRY (CONT'D)
VERIFY THAT MECHANICAL, ELECTRICAL, AND BUILDING ITEMS AFFECTING THIS SECTION ARE PLACED AND READY TO RECEIVE FINISH CARPENTRY ITEMS

SET AND SECURE MATERIALS AND COMPONENTS IN PLACE, PLUMB, AND LEVEL

FIT EXPOSED EDGES OF PLYWOOD AND PARTICLEBOARD SHELVING AND SITE MADE CASEWORK WITH HARDWOOD EDGING

INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

APPLY PLASTIC LAMINATE FINISHES WHERE INDICATED ADHERE WITH SPECIFIED ADHESIVE OVER ENTIRE SURFACE MAKE JOINTS AND CORNERS HAIRLINE MATCH PATTERNS SLIGHTLY BEVEL EDGES CAP EXPOSED EDGES WITH PLASTIC LAMINATE BACKING ON REVERSE SIDE OF PLASTIC LAMINATE FINISHED SURFACES

SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS

INTERIOR WOOD DOOR FRAMES AWI CUSTOM - SLICED RED OAK UNLESS NOTED OTHERWISE

DIVISION 8 - DOORS, FRAME AND HARDWARE
ALUMINUM ENTRANCES AND STOREFRONT
PROVIDE ALUMINUM ENTRANCES AND STOREFRONTS WHERE SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION

USE AN ADEQUATE NUMBER OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION

UPON COMPLETION OF THIS PORTION OF THE WORK, AND AS A CONDITION OF ITS ACCEPTANCE, DELIVER TO THE ARCHITECT COPIES OF A WRITTEN WARRANTY AGREEING TO REPLACE WORK OF THIS SECTION WHICH FAILS DUE TO DEFECTIVE MATERIALS OR WORKMANSHIP WITHIN ONE YEAR AFTER DATE OF SUBSTANTIAL COMPLETION AS THAT DATE IS DETERMINED IN ACCORDANCE WITH

FAILURE DUE TO DEFECTIVE MATERIALS OR WORKMANSHIP IS DEEMED TO INCLUDE, BUT NOT TO BE LIMITED TO
1 FAILURES IN OPERATION OF OPERATING COMPONENT OR COMPONENTS
2 LEAKAGE OR AIR INFILTRATION IN EXCESS OF THE SPECIFIED STANDARD
3 DETERIORATION OF FINISH TO AN EXTENT VISIBLE TO THE UNAIDED EYE
4 DEFECTS WHICH CONTRIBUTE TO UNSIGHTLY APPEARANCE, POTENTIAL SAFETY HAZARD, OR POTENTIAL UNTIMELY FAILURE OF THE WORK OF THIS SECTION OR THE WORK AS A WHOLE

PROVIDE ALUMINUM ENTRANCES AND STOREFRONTS IN THE DIMENSIONS AND ARRANGEMENTS SHOWN ON THE DRAWINGS
1 ENTRANCE SYSTEM FRAMING- KAWNEER, TRIFAB- VG451-T SERIES

PREPARE FOR, RECEIVE, AND INSTALL THE FINISH HARDWARE FURNISHED UNDER THESE SPECIFICATIONS UNLESS NOTED IN THE HARDWARE SCHEDULE TO BE PROVIDED BY THE ALUMINUM DOOR / FRAME MANUFACTURER

PROCEDURES PERFORM ALL FITTING OF FINISH HARDWARE TO DOORS AND FRAMES AT THE FACTORY, EXCEPT DO NOT DRILL OR TAP FOR SURFACE MOUNTED ITEMS UNTIL TIME OF INSTALLATION AT THE SITE COMPLY WITH FINISH HARDWARE MANUFACTURER'S INSTRUCTIONS AND TEMPLATE REQUIREMENTS USE CONCEALED FASTENERS TO THE MAXIMUM EXTENT PRACTICABLE

FABRICATE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND SHOP DRAWINGS AS APPROVED, PREFABRICATING IN THE SHOP TO THE MAXIMUM EXTENT PRACTICABLE

PROVIDE HAIRLINE FIT AT JOINTS, WITH SMOOTH CONTINUITY OF LINE AND ACCURATE RELATION OF PLANES AND ANGLES SECURELY FASTEN

EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED

COORDINATE AS REQUIRED WITH OTHER TRADES TO ASSURE PROPER AND ADEQUATE PROVISION IN THE WORK OF THOSE TRADES FOR INTERFACE WITH THE WORK OF THIS SECTION

MAKE MEASUREMENTS AS REQUIRED IN THE FIELD TO ASSURE PROPER FIT

INSTALL THE WORK OF THIS SECTION IN STRICT ACCORDANCE WITH THE ORIGINAL DESIGN, THE APPROVED SHOP DRAWINGS, PERTINENT REQUIREMENTS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION, AND THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AS APPROVED, ANCHORING ALL COMPONENTS FIRMLY INTO POSITION FOR LONG LIFE

REMOVE PROTECTIVE COATING COMPLETELY FROM EXPOSED SURFACES AS SOON AS PROGRESS OF THE WORK WILL PERMIT WITH SAFETY

ACCORDANCE WITH PERTINENT PROVISIONS OF SECTION 08800 OF THESE SPECIFICATIONS

STEEL ENTRANCE'S & STOREFRONT
REFER TO DIVISION 5 - METALS

HOLLOW METAL FRAMES
PROVIDE LABELED OR NON-LABELED FRAMES IN THE DIMENSIONS AND TYPE SHOWN ON DRAWINGS IN 18 GAUGE FOR INTERIOR FRAMES AND 16 GAUGE GALVANIZED FOR EXTERIOR FRAMES

PROVIDE REINFORCING IN FRAMES FOR SPECIFIED HARDWARE

FRAMES SHALL BE FACTORY SHOP PRIMED

SET FRAMES ACCURATELY INTO POSITION, PLUMBED, ALIGNED AND BRACED UNTIL PERMANENT ANCHORS ARE SET AFTER WALL CONSTRUCTION REMOVE TEMPORARY BRACING

AT IN-PLACE CONSTRUCTION SET FRAMES AND SECURE WITH SUITABLE ANCHORAGE DEVICES

FABRICATE STANDARD TYPE SOLID CORE DOORS IN ACCORDANCE WITH REQUIREMENTS OF AWI QUALITY STANDARDS

BEVEL STRIKE EDGE OF SINGLE ACTING DOORS 1/8 INCH IN 2 INCHES

PREPARE DOORS TO RECEIVE HARDWARE REFER TO HARDWARE SCHEDULE FOR HARDWARE REQUIREMENTS

INSTALL WOOD DOORS PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16 INCH INSTALL HARDWARE IN ACCORDANCE WITH REQUIREMENTS STATED IN HARDWARE SCHEDULE

WOOD DOORS
AWI QUALITY STANDARDS OF ARCHITECTURAL WOODWORK INSTITUTE

FLUSH INTERIOR DOORS SHALL BE 1-3/4 INCH THICK PREMIUM GRADE BIRCH FACE VENEER DOOR REFER TO DOOR SCHEDULE FOR LOCATION OF SOLID OR HOLLOW CORE DOOR

FABRICATE STANDARD TYPE HOLLOW CORE AND SOLID CORE DOORS IN ACCORDANCE WITH REQUIREMENTS OF AWI QUALITY STANDARDS

BEVEL STRIKE EDGE OF SINGLE ACTING DOORS 1/8 INCH IN 2 INCHES

PREPARE DOORS TO RECEIVE HARDWARE REFER TO HARDWARE SCHEDULE FOR HARDWARE REQUIREMENTS

INSTALL WOOD DOORS PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16 INCH INSTALL HARDWARE IN ACCORDANCE WITH REQUIREMENTS STATED IN HARDWARE SCHEDULE

HARDWARE
PROVIDE ITEMS AS LISTED IN HARDWARE SCHEDULE SHEET A700, COMPLETE TO FUNCTION AS INDICATED

INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, USING PROPER TEMPLATES

ACCURATELY AND PROPERLY FIT HARDWARE TO DOORS AND FRAMES REMOVE EXPOSED PARTS UNTIL AFTER PAINT FINISHING IS COMPLETED RE-INSTALL AFTER FINISHING IS COMPLETED FIT FIXED PARTS SNUG AND FLUSH ADJUST OPERATING PARTS TO MOVE FREELY AND SMOOTHLY WITHOUT BINDING, STICKING, OR WITH EXCESSIVE CLEARANCE

AFTER THE WORK HAS BEEN OTHERWISE COMPLETED, EXAMINE HARDWARE IN PLACE FOR COMPLETE AND PROPER INSTALLATION LUBRICATE BEARING SURFACES OF MOVING PARTS ADJUST LATCHING AND HOLDING DEVICES FOR PROPER FUNCTION ADJUST DOOR CONTROL DEVICES TO PROPER SPEED AND POWER CLEAN EXPOSED SURFACES AND CHECK FOR SURFACE DAMAGE

DOOR HARDWARE SHALL BE LEVER - TYPE, CENTERED BETWEEN 30"-44" OFF THE FLOOR AND OPERABLE 5lb MAX FORCE

NO DOORS ARE TO REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE

HARDWARE SCHEDULE
PROVIDE HARDWARE, IF REQUIRED AS LISTED ON SHEET A700

GLASS
PROVIDE GLAZING AND GLAZING ACCESSORIES WHERE SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION USE TYPE AND THICKNESS OF GLASS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN

TEMPERED GLASS
PROVIDE TEMPERED GLASS WHERE INDICATED ON THE DRAWINGS FOR TEMPERED PLATE GLASS USE TYPE I, CLASS ONE (1) QUALITY 93

PRIOR TO TEMPERING CUT GLASS TO REQUIRED SIZES AS DETERMINED BY ACCURATE FIELD DIMENSIONS

PROCESS ALL EDGES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR AS INDICATED ON THE DRAWINGS ALL EXPOSED EDGES SHALL BE GROUND AND POLISHED, NO EXCEPTIONS, PRIOR TO TEMPERING DO NOT CUT OR TREAT EDGES IN THE FIELD

LAMINATED GLASS
PROVIDE LAMINATED SAFETY GLASS, CLEAR, AS INDICATED ON THE DRAWINGS, CONSISTING OF AN INNER FACE AND AN OUTER FACE OF FLOAT GLASS LAMINATED UNDER HEAT AND PRESSURE TO A CLEAR PLASTIC CORE USE 1/4 INCH THICKNESS FOR MAXIMUM SIZES OF 60 INCHES X 120 INCHES AND USE 3/8 INCH THICKNESS FOR LARGER SIZES UNLESS SPECIFIED OTHERWISE

PROVIDE OTHER MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ARCHITECT

INSPECT EACH PIECE OF GLASS IMMEDIATELY PRIOR TO START OF INSTALLATION DO NOT INSTALL ITEMS WHICH ARE IMPROPERLY SIZED, HAVE DAMAGED EDGES, OR ARE SCRATCHED, ABRADED, OR DAMAGED IN ANY OTHER MANNER

LOCATE SETTING BLOCKS AT SILLS OF PROPER SIZE TO SUPPORT THE GLASS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS

MITER-CUT AND SEAL THE JOINTS OF GLAZING GASKETS IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATIONS, TO PROVIDE WATERTIGHT AND AIRTIGHT SEAL AT CORNERS AND OTHER LOCATIONS WHERE JOINTS ARE REQUIRED

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

LICENSED ARCHITECT
TERRY J. PHILLIPS JR.
No. 2659
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY
HM/ PM

ISSUE / DATE

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

REVISION

SHEET TITLE
ARCHITECTURAL SPECIFICATIONS

SHEET NO
AS100

ARCHITECTURAL SPECIFICATIONS (CONT'D.)

DIVISION #9 - FINISHES

ACOUSTICAL CEILINGS

ASTM C 636 - STANDARD PRACTICE FOR INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTIC TILE AND LAY-IN PANELS

INSTALL ACOUSTICAL CEILING SYSTEM(S) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ASTM C 636 TO PRODUCE FINISHED CEILING TRUE TO LINES AND LEVELS AND FREE FROM WARPED, SOILED, OR DAMAGED GRID OR LAY-IN PANELS

INSTALL CEILING SYSTEM(S) IN A MANNER CAPABLE OF SUPPORTING ALL SUPERIMPOSED LOADS, WITH MAXIMUM PERMISSIBLE DEFLECTION OF 1/360 OF SPAN AND MAXIMUM SURFACE DEVIATION OF 1/8 INCH IN 10 FEET (1/960)

INSTALL AFTER MAJOR ABOVE-CEILING WORK IS COMPLETE COORDINATE THE LOCATION OF HANGERS WITH OTHER WORK ENSURE THE LAYOUT OF HANGERS AND CARRYING CHANNELS ARE LOCATED TO ACCOMMODATE FITTINGS AND UNITS OF EQUIPMENT WHICH ARE TO BE PLACED AFTER THE INSTALLATION OF CEILING GRID SYSTEM(S)

WHERE DUCTS OR OTHER EQUIPMENT PREVENT THE REGULAR SPACING OF HANGERS, REINFORCE THE NEAREST ADJACENT HANGERS AND RELATED CARRYING CHANNELS AS REQUIRED TO SPAN THE REQUIRED DISTANCE

HANG INDEPENDENTLY OF WALLS, COLUMNS, DUCTS, PIPES, AND CONDUIT WHERE CARRYING MEMBERS ARE SPLICED, AVOID VISIBLE DISPLACEMENT OF THE LONGITUDINAL AXIS OR FACE PLANE OF ADJACENT MEMBERS

DO NOT SUPPORT FIXTURES FROM OR ON MAIN RUNNERS OR CROSS RUNNERS IF WEIGHT OF THE FIXTURE CAUSES THE TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY IN SUCH CASES, SUPPORT FIXTURE LOADS BY SUPPLEMENTARY HANGERS LOCATED WITHIN 6 INCHES OF EACH CORNER, OR SUPPORT THE FIXTURES INDEPENDENTLY

INSTALL EDGE MOLDINGS AT INTERSECTION OF CEILING AND VERTICAL SURFACES USING MAXIMUM LENGTHS, STRAIGHT, TRUE TO LINE, AND LEVEL MITER CORNERS PROVIDE EDGE MOLDINGS AT JUNCTIONS WITH OTHER CEILING FINISHES WHERE BULLNOSE CONCRETE BLOCK CORNERS OCCUR, PROVIDE PREFORMED CLOSERS TO MATCH EDGE MOLDING

FIT ACOUSTIC LAY-IN PANELS IN PLACE, FREE FROM DAMAGED EDGES OR OTHER DEFECTS DETRIMENTAL TO APPEARANCE AND FUNCTION FIT BORDER UNITS NEATLY AGAINST ABUTTING SURFACES INSTALL PANELS IN ANY UNBROKEN AREA OF CEILING FROM THE SAME PRODUCT LOT AS INDICATED BY LOT NUMBER ON EACH CARTON

INSTALL LAY-IN PANELS LEVEL IN UNIFORM PLANE AND FREE FROM TWIST, WARP, AND DENTS

CERAMIC AND CONCRETE TILE

CONFORM TO ANSI - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE AND INSTALLATION - TCA 137 1 AND MANUFACTURER'S INSTALLATION RECOMMENDATION

TILE SHALL BE QUALITY CERTIFIED BY THE TILE COUNCIL OF AMERICA, EQUAL TO OR EXCEEDING THE RECOMMENDED STANDARD SPECIFICATIONS FOR CERAMIC TILE ANSI 137 1 EACH COLOR TO BE FROM A SINGLE RUN DELIVER TILE TO THE SITE IN UNOPENED CONTAINERS WITH EACH CONTAINER BEARING THE TCA CERTIFICATION MARK

CERAMIC/ CONCRETE WALL AND FLOOR TILE AND MARBLE SHALL BE AS SPECIFIED IN THE FINISH SCHEDULE

BASE SANITARY COVED TYPE WITH MATCHING CORNER PIECES

PROVIDE ALL SPECIAL SHAPES REQUIRED INCLUDING BULLNOSED TILE INSIDE CORNERS TO BE SQUARE

COLORS AND PATTERNS WILL BE SELECTED BY THE ARCHITECT FROM THE MANUFACTURER'S FULL RANGE UNLESS SPECIFIED HEREIN

WATERPROOFING (IF REQUIRED) SHALL BE HYDROMENT ULTRA-SET, LATICRETE 9235, OR MAPEI PRP-315 WATERPROOFING MEMBRANE SHALL BE A ONE PART ELASTOMERIC AND SEAMLESS MEMBRANE OF AT LEAST 30 MILS OR 1/32" PROVIDING A POSITIVE BARRIER TO MOISTURE/WATER MIGRATION OR PENETRATION WATERPROOFING MEMBRANE SHALL MEET ASTM C836-84, ANSI A136 1-1985, CTI-136 1-1985 AND CTI- 64 2-2

SETTING SYSTEM SHALL BE HYDROMENT, LATICRETE OR MAPEI THIN SET MORTAR FOLLOW MANUFACTURERS RECOMMENDATIONS FOR TYPE TO USE, DEPENDING ON WATERPROOFING SYSTEM USED

GROUT SHALL BE HYDROMENT, LATICRETE OR MAPEI CERAMIC TILE GROUT AND SHALL MEET CRD-C-621-82 AND ANSI A 118 6 A BLENDED MIXTURE OF PORTLAND CEMENT, COLORFAST PIGMENT, HIGH STRENGTH AGGREGATES AND OTHER SELECTED INGREDIENTS TO INSURE PROPER CURING COLOR SHALL BE AS INDICATED ON THE FINISH SCHEDULE

INSTALL CERAMIC TILE OR MARBLE FLOOR IN ACCORDANCE WITH ANSI A 108 5 AND TCA METHOD F 113

INSTALL CERAMIC WALL TILE AND BASE IN ACCORDANCE WITH ANSI A 108 5 AND TCA METHOD W 202 AT MASONRY WALLS AND W 244 AT TILE BACKER BOARD OVER METAL STUDS

CUT AND FIT TILE OR MARBLE TIGHT TO PROTRUSIONS AND VERTICAL OR PERPENDICULAR INTERRUPTIONS FORM CORNERS AND BASES NEATLY

FORM INTERNAL ANGLES SQUARE AND EXTERNAL CORNERS BULLNOSED

WORK TILE OR MARBLE JOINTS UNIFORM IN WIDTH, SUBJECT TO VARIANCE IN TOLERANCE ALLOWED IN TILE SIZE JOINTS SHALL BE WATERTIGHT, WITHOUT VOIDS, CRACKS, EXCESSIVE MORTAR, OR GROUT

SOUND TILE OR MARBLE AFTER SETTING REPLACE HOLLOW SOUNDING UNITS

ALLOW TILE OR MARBLE TO SET FOR A MINIMUM OF 48 HOURS PRIOR TO GROUTING

PROHIBIT TRAFFIC FROM FLOOR FINISH AND ACTIVITIES NEAR WALL FINISH FOR 48 HOURS AFTER INSTALLATION

RESILIENT FLOORING

FED SPEC SS-T-312B - TILE, FLOOR ASPHALT, RUBBER, VINYL, VINYL COMPOSITION
FED SPEC SS-W-40A - WALL BASE RUBBER AND VINYL PLASTIC

VINYL COMPOSITION TILE

12 INCH BY 12 INCH BY 1/8 INCH THICK, CONFORMING TO FED SPEC SS-T-312(B), TYPE IV, COMPOSITION 1, MARBLEIZED PATTERN MANUFACTURER AND COLOR SHALL BE AS INDICATED IN THE FINISH SCHEDULE

BASE 4 INCH HIGH BY 125 INCH THICK RUBBER OF VINYL BASE CONFORMING TO FED SPEC SS-W-40A, TYPE I OR II WITH COVE BOTTOM EXCEPT WHERE USED IN CONJUNCTION WITH CARPET OR AS INDICATED MANUFACTURER AND COLOR SHALL BE AS INDICATED IN THE FINISH SCHEDULE

EDGE STRIPS SHALL BE RUBBER OR VINYL, TAPERED AND 1 INCH IN WIDTH

SUB-FLOOR FILLER SHALL BE WHITE PREMIX LATEX, MIX WITH WATER TO PRODUCE CEMENTITIOUS PASTE

PRIMERS AND ADHESIVES SHALL BE WATERPROOF OF TYPES RECOMMENDED BY RESILIENT FLOORING MANUFACTURER FOR SPECIFIC MATERIAL

SEALER AND WAX SHALL BE TYPE RECOMMENDED BY RESILIENT FLOORING MATERIAL MANUFACTURER FOR MATERIAL TYPE AND LOCATION

ENSURE FLOOR SURFACES ARE SMOOTH AND FLOAT WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET (1/960)

ENSURE CONCRETE FLOORS ARE DRY (MAXIMUM 7 PERCENT MOISTURE CONTENT) AND EXHIBIT NEGATIVE ALKALINITY, CARBONIZATION, OR DUSTING

MAINTAIN MINIMUM 70°F (21°C) AIR TEMPERATURE AT FLOORING INSTALLATION AREA FOR 3 DAYS PRIOR TO, DURING, AND FOR 24 HOURS AFTER INSTALLATION

STORE FLOORING MATERIALS IN AREA OF APPLICATION ALLOW 3 DAYS FOR MATERIAL TO REACH EQUAL TEMPERATURE AS AREA

REMOVE SUB-FLOOR RIDGES AND BUMPS FILL LOW SPOTS, CRACKS, JOINTS, HOLES, AND OTHER DEFECTS WITH SUB-FLOOR FILLER

CLEAN FLOOR AND APPLY TROWEL AND FLOAT FILLER TO LEAVE SMOOTH, FLAT, HARD SURFACE PROHIBIT TRAFFIC UNTIL FILLER IS CURED

OPEN FLOOR TILE CARTONS, ENOUGH TO COVER EACH AREA, AND MIX TILE TO ENSURE SHADE VARIATIONS DO NOT OCCUR WITHIN ANY ONE AREA

CLEAN SUBSTRATE SPREAD CEMENT EVENLY IN QUANTITY RECOMMENDED BY MANUFACTURER TO ENSURE ADHESION OVER ENTIRE AREA OF INSTALLATION SPREAD ONLY ENOUGH ADHESIVE TO PERMIT INSTALLATION OF FLOORING BEFORE INITIAL SET

SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION

PLACE TILE TO THAT FIELDS OR PATTERNS CENTER ON AREA NO TILE SHALL BE LESS THAN ONE HALF IN SIZE ALL TILE SHALL BE LAID WITH VEINING RUNNING IN SAME DIRECTION LAY TRUE, LEVEL, AND EVEN WITH TIGHT ALIGNED JOINTS

TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR OPENING(S) WHERE ADJACENT FLOOR FINISH IS DISSIMILAR

INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING TERMINATES

SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS, AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS

FIT JOINTS TIGHT AND VERTICAL MAINTAIN MINIMUM MEASUREMENT OF 18 INCHES BETWEEN JOINTS

MITER INTERNAL CORNERS USE PREMOLDED SECTIONS FOR EXTERNAL CORNERS AND EXPOSED ENDS

INSTALL BASE ON SOLID BACKING ADHERE TIGHTLY TO WALL AND FLOOR SURFACES

SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS

PROHIBIT TRAFFIC FROM FLOOR FINISH FOR 24 HOURS AFTER INSTALLATION

REMOVE EXCESS ADHESIVE FROM FLOOR, BASE, AND WALL SURFACES WITHOUT DAMAGING

CLEAN, SEAL, AND WAX FLOOR AND BASE SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

PAINTING

PAINT AND FINISH THE EXTERIOR AND INTERIOR EXPOSED SURFACES LISTED ON THE PAINTING SCHEDULE IN PART 3 OF THIS SECTION, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION

"PAINT," AS USED HEREIN, MEANS COATING SYSTEMS MATERIALS INCLUDING PRIMERS, EMULSIONS, EPOXY, ENAMELS, SEALERS, FILLER, AND OTHER APPLIED MATERIALS WHETHER USED AS PRIME, INTERMEDIATE, OR FINISH COATS

USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION

PROVIDE FINISH COATS WHICH ARE COMPATIBLE WITH THE PRIME COATS ACTUALLY USED REVIEW OTHER SECTIONS OF THESE SPECIFICATIONS AS REQUIRED, VERIFYING THE PRIME COATS TO BE USED AND ASSURING COMPATIBILITY OF THE TOTAL COATING SYSTEM FOR THE VARIOUS SUBSTRATA UPON REQUEST, FURNISH INFORMATION ON THE CHARACTERISTICS OF THE SPECIFIC FINISH MATERIALS TO ASSURE THAT COMPATIBLE PRIME COATS ARE USED PROVIDE BARRIER COATS OVER NON-COMPATIBLE PRIMERS, OR REMOVE THE PRIMER AND REPRIME AS REQUIRED NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANTICIPATED PROBLEMS IN USING THE SPECIFIED COATING SYSTEMS OVER PRIME-COATINGS SUPPLIED UNDER OTHER SECTIONS

ALL PAINTS AND COATINGS SHALL BE PREMIXED AND DELIVERED TO THE JOB SITE IN MANUFACTURER'S SEALED CONTAINERS

EACH CONTAINER SHALL BE LABELED BY THE MANUFACTURER SHOWING PAINT BRAND, COLOR DESIGNATION AND MANUFACTURER'S NAME ALL EMPTY CONTAINERS SHALL BE REMOVED FROM THE SITE AT THE COMPLETION OF EACH DAY'S WORK

PAINT MATERIAL SHALL BE STORED AND MIXED IN A CENTRAL LOCATION APPROVED BY THE OWNER AND ARCHITECT

PAINTING (CONT'D)

DO NOT APPLY SOLVENT-THINNED PAINTS WHEN THE TEMPERATURE OF SURFACES TO BE PAINTED AND THE SURROUNDING AIR TEMPERATURES ARE BELOW 45 DEGREES F, UNLESS OTHERWISE PERMITTED BY THE MANUFACTURERS' PRINTED INSTRUCTIONS AS APPROVED BY THE ARCHITECT/ENGINEER

DO NOT APPLY PAINT IN SNOW, RAIN, FOG, OR MIST, OR WHEN THE RELATIVE HUMIDITY EXCEEDS 85%, OR TO DAMP OR WET SURFACES, UNLESS OTHERWISE PERMITTED BY THE MANUFACTURERS' PRINTED INSTRUCTIONS AS APPROVED BY THE ARCHITECT APPLICATIONS MAY BE CONTINUED DURING INCLEMENT WEATHER ONLY WITHIN THE TEMPERATURE LIMITS SPECIFIED BY THE PAINT MANUFACTURER AS BEING SUITABLE FOR USE DURING APPLICATION AND DRYING PERIODS

UPON COMPLETION OF THE WORK OF THIS SECTION, DELIVER TO THE OWNER AN EXTRA STOCK EQUALING 10% OF EACH COLOR, TYPE, AND GLOSS OF PAINT USED IN THE WORK, TIGHTLY SEALING EACH CONTAINER, AND CLEARLY LABELING WITH CONTENTS AND LOCATION WHERE USED

UNDERCOATS AND THINNERS PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COAT USE ONLY THE THINNERS RECOMMENDED BY THE PAINT MANUFACTURER, AND USE ONLY TO THE RECOMMENDED LIMITS INSOFAR AS PRACTICABLE, USE UNDERCOAT, FINISH COAT, AND THINNER MATERIAL AS PARTS OF A UNIFIED SYSTEM OF PAINT FINISH

ACCEPTABLE MANUFACTURER BENJAMIN MOORE, METAL CLEAR COAT SHERWIN WILLIAMS - NO SUBSTITUTIONS

GYPSUM WALL BOARD EGGSHELL FINISH LATEX ALL WALLS, NEW
1ST COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)
3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)

GYPSUM WALL BOARD EGGSHELL FINISH LATEX ALL WALLS, REPAINT
1ST COAT - REMOVE ANY PEELING OR SCALING PAINT AND SAND THESE AREAS TO FEATHER EDGES SMOOTH WITH ADJACENT SURFACES FILL ALL NAIL HOLES, CRACKS & OTHER SURFACE IMPERFECTIONS REMOVE SURFACE CONTAMINANTS FROM WALLS WITH A STRONG DETERGENT SOLUTION PRIME WITH BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)
3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)

GYPSUM WALL BOARD FLAT FINISH LATEX SALES AREA DRYWALL CEILINGS, NEW
1ST COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)
3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)

GYPSUM WALL BOARD FLAT FINISH LATEX SALES AREA DRYWALL CEILINGS, REPAINT
1ST COAT - REMOVE ANY PEELING OR SCALING PAINT AND SAND THESE AREAS TO FEATHER EDGES SMOOTH WITH ADJACENT SURFACES FILL ALL NAIL HOLES, CRACKS & OTHER SURFACE IMPERFECTIONS REMOVE SURFACE CONTAMINANTS FROM WALLS WITH A STRONG DETERGENT SOLUTION PRIME WITH BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)
3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)

WOOD DOORS, JAMBS, CASINGS, TOUCH-UP ON OWNERS FIXTURES & MISC TRIM HIGH GLOSS
1ST COAT - BENJAMIN MOORE IRONCLAD ALKYD LOW LUSTRE METAL AND WOOD ENAMEL (C163)
2ND COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)
3RD COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)

METAL DOORS AND FRAMES HIGH-GLOSS
1ST COAT - PRIMER IS NOT REQUIRED ON FACTORY PRIMED DOORS AND FRAMES BENJAMIN MOORE IRONCLAD ALKYD LOW LUSTRE METAL AND WOOD ENAMEL (C163)
2ND COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)
3RD COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)

EXPOSED STRUCTURAL STEEL, ROOF BAR JOISTS AND METAL DECK LOW LUSTRE - SELF PRIMING
1ST COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)
2ND COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)

CONCRETE MASONRY UNITS SEMI-GLOSS FINISH LATEX
1ST COAT - MOORCRAFT SUPER CRAFT LATEX BLOCK, FILLER (285)
2ND COAT - MOORCRAFT SUPER SPEC LATEX SEMI-GLOSS, ENAMEL (276) (INTERIOR ONLY)
3RD COAT - MOORCRAFT SUPER SPEC LATEX SEMI-GLOSS, ENAMEL (276) (INTERIOR ONLY)

CONCRETE FLOOR SATIN FINISH/EPOXY-MODIFIED ACRYLIC LATEX (BACK ROOM)
1ST COAT - MOORE'S LATEX FLOOR & PATIO, ENAMEL (122) THINNED PER LABEL DIRECTIONS
2ND COAT - MOORE'S LATEX FLOOR & PATIO, ENAMEL (122)
3RD COAT - MOORE'S LATEX FLOOR & PATIO, ENAMEL (122)

ALUMINUM/GALVANIZED METAL SATIN FINISH
1ST COAT - PRIMER IS NOT REQUIRED ON FACTORY PRIMED SURFACES OR REPAINT
2ND COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)
3RD COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)

METAL, WOOD, GALVANIZED METAL ACRYLIC SEMI-GLOSS
1ST COAT - BENJAMIN MOORE - M29 D T M ACRYLIC SEMI-GLOSS
2ND COAT - BENJAMIN MOORE - M29 D T M ACRYLIC SEMI-GLOSS

METAL CLEAR COAT, (METAL AWNING DECK, RODS & TURNBUCKLES)
1ST COAT - SHERWIN WILLIAMS OPEX CLEAR LACQUERS CC-C5 (T82C13)

SURFACE PREPARATION
1 PERFORM PREPARATION AND CLEANING PROCEDURES IN STRICT ACCORDANCE WITH THE PAINT MANUFACTURERS' RECOMMENDATIONS AS APPROVED BY THE ARCHITECT/ENGINEER
2 REMOVE REMOVABLE ITEMS WHICH ARE IN PLACE AND ARE NOT SCHEDULED TO RECEIVE PAINT FINISH, OR PROVIDE SURFACE-APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS
3 FOLLOWING COMPLETION OF PAINTING IN EACH SPACE OR AREA, REINSTALL THE REMOVED ITEMS BY USING WORKMEN WHO ARE SKILLED IN THE NECESSARY TRADES
4 CLEAN EACH SURFACE TO BE PAINTED PRIOR TO APPLYING PAINT OR SURFACE TREATMENT
5 REMOVE OIL AND GREASE WITH CLEAN CLOTHS AND CLEANING SOLVENT OF LOW TOXICITY AND FLASH POINT IN EXCESS OF 200 DEGREES F, PRIOR TO START OF MECHANICAL CLEANING
6 SCHEDULE THE CLEANING AND PAINTING SO THAT DUST AND OTHER CONTAMINANTS FROM THE CLEANING PROCESS WILL NOT FALL ONTO WET NEWLY PAINTED SURFACES
7 PLASTER AND VENEER PLASTER MUST BE ALLOWED TO DRY THOROUGHLY FOR AT LEAST 30 DAYS BEFORE PAINTING

PREPARATION OF WOOD SURFACES
1 CLEAN WOOD SURFACES UNTIL FREE FROM DIRT, OIL, AND OTHER FOREIGN SUBSTANCE
2 SMOOTH FINISHED WOOD SURFACES EXPOSED TO VIEW, USING THE PROPER SANDPAPER WHERE SO REQUIRED, USE VARYING DEGREES OF COARSENESS IN SANDPAPER TO PRODUCE A UNIFORMLY SMOOTH AND UNMARRED WOOD SURFACE
3 UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT/ENGINEER, DO NOT PROCEED WITH PAINTING OF WOOD SURFACES UNTIL THE MOISTURE CONTENT OF THE WOOD IS 12% OR LESS AS MEASURED BY A MOISTURE METER APPROVED BY THE ARCHITECT/ENGINEER
4 WOOD DOORS
A CAREFULLY SEAL ALL EDGES IMMEDIATELY AFTER FITTING INCLUDING AREAS ROUTED FOR CONCEALED CLOSERS AND OTHER HARDWARE
B BEFORE FINISHING, THE FINISHER MUST DO A THOROUGH FINAL SANDING OVER ALL SURFACES USING 120 OR 150 GRIT SANDPAPER, DEPENDING ON THE SPECIES, AND IN CONJUNCTION WITH A HAND BLOCK OR BELT SANDER IN ORDER TO REMOVE ALL SCUFFS, HANDLING MARKS, SCRATCHES, RAISED GRAIN, BURNISHES AND EFFECTS OR EXPOSURE TO MOISTURE THAT MAY OCCUR DURING HANDLING, UNLOADING AND STORAGE
C IMMEDIATELY AFTER FITTING AND BEFORE HANGING, THE ENTIRE DOOR INCLUDING TOP AND BOTTOM EDGES MUST RECEIVE TWO COATS OF A GOOD QUALITY PAINT, VARNISH OR LACQUER EXTERIOR FINISHES SHOULD BE USED ON THE EXTERIOR FACES AND ALL EDGES OF EXTERIOR DOORS
D SOME WOODS, PARTICULARLY OAK, CONTAIN CHEMICALS WHICH REACT WITH IRON OR SOME FINISHING MATERIALS DO NOT USE STEEL WOOL ON OAK DOORS

PREPARATION OF METAL SURFACES
1 THOROUGHLY CLEAN SURFACES UNTIL FREE FROM DIRT, OIL, AND GREASE
2 ON GALVANIZED SURFACES, USE SOLVENT FOR THE INITIAL CLEANING, AND THEN TREAT THE SURFACE THOROUGHLY WITH PHOSPHORIC ACID ETCH REMOVE ETCHING SOLUTION COMPLETELY BEFORE PROCEEDING
3 ALLOW TO DRY THOROUGHLY BEFORE APPLICATION OF PAINT

PAINT APPLICATION
1 TOUCH-UP SHOP-APPLIED PRIME COATS WHICH HAVE BEEN DAMAGED, AND TOUCH-UP BARE AREAS PRIOR TO START OF FINISH COATS APPLICATION
2 SLIGHTLY VARY THE COLOR OF SUCCEEDING COATS
A DO NOT APPLY ADDITIONAL COATS UNTIL THE COMPLETED COAT HAS BEEN INSPECTED AND APPROVED
B ONLY THE INSPECTED AND APPROVED COATS OF PAINT WILL BE CONSIDERED IN DETERMINING THE NUMBER OF COATS APPLIED
3 SAND AND DUST BETWEEN COATS TO REMOVE DEFECTS VISIBLE TO THE UNAIDED EYE FROM A DISTANCE OF FIVE FEET
4 ON REMOVABLE PANELS AND HINGED PANELS, PAINT THE BACK SIDES TO MATCH THE EXPOSED SIDES

DRYING
1 ALLOW SUFFICIENT DRYING TIME BETWEEN COATS, MODIFYING THE PERIOD AS RECOMMENDED BY THE MATERIAL MANUFACTURER TO SUIT ADVERSE WEATHER CONDITIONS
2 CONSIDER OIL-BASE AND OLEO-RESINOUS SOLVENT-TYPE PAINT AS DRY FOR RECOATING WHEN THE PAINT FEELS FIRM, DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE PRESSURE OF THE THUMB, AND WHEN THE APPLICATION OF ANOTHER COAT OF PAINT DOES NOT CAUSE LIFTING OR LOSS OF ADHESION OF THE UNDERCOAT

BRUSH APPLICATIONS
1 BRUSH OUT AND WORK THE BRUSH COATS ONTO THE SURFACE IN AN EVEN FILM
2 CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, AND OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE

SPRAY APPLICATION
1 EXCEPT AS SPECIFICALLY OTHERWISE APPROVED BY THE ARCHITECT/ENGINEER, CONFINE SPRAY APPLICATION TO AC GRILLES SPEAKERS, LIGHT TRIM RINGS, METAL FRAMEWORK AND SIMILAR SURFACES WHERE HAND BRUSH WORK WOULD BE INFERIOR
2 WHERE SPRAY APPLICATION IS USED, APPLY EACH COAT TO PROVIDE THE HIDING EQUIVALENT OF BRUSH COATS
3 DO NOT DOUBLE BACK WITH SPRAY EQUIPMENT TO BUILD UP FILM THICKNESS OF TWO COATS IN ONE PASS

FOR COMPLETED WORK, MATCH THE APPROVED SAMPLES AS TO TEXTURE, COLOR AND COVERAGE REMOVE, REFINISH, OR REPAINT WORK NOT IN COMPLIANCE WITH THE SPECIFIED REQUIREMENTS

MISCELLANEOUS SURFACES AND PROCEDURES
1 EXPOSED MECHANICAL ITEMS
A FINISH ELECTRIC PANELS, ACCESS DOORS, CONDUITS, PIPES, DUCTS, GRILLES, REGISTERS, VENTS, AND ITEMS OF SIMILAR NATURE TO MATCH THE ADJACENT WALL AND CEILING SURFACES, OR AS DIRECTED
B PAINT VISIBLE DUCT SURFACES BEHIND VENTS, REGISTERS, AND GRILLES FLAT BLACK
C WASH METAL WITH SOLVENT, PRIME, AND APPLY TWO COATS OF ALKYD ENAMEL
2 EXPOSED PIPE AND DUCT INSULATION
A APPLY ONE COAT OF LATEX PAINT ON INSULATION WHICH HAS BEEN SIZED OR PRIMED UNDER OTHER SECTIONS, APPLY TWO COATS ON SUCH SURFACES WHEN UNPREPARED
B MATCH COLOR OF ADJACENT SURFACES
C REMOVE BAND BEFORE PAINTING, AND REPLACE AFTER PAINTING
3 HARDWARE
A PAINT PRIME COATED HARDWARE TO MATCH ADJACENT SURFACES
B PAINT METAL PORTIONS OF HEAD SEALS, JAMB SEALS, AND ASTRAGAL SEALS TO MATCH THE COLOR OF THE DOOR FRAME UNLESS OTHERWISE DIRECTED BY THE ARCHITECT
4 WET AREAS
A IN TOILET ROOMS AND CONTIGUOUS AREAS, ADD AN APPROVED FUNGICIDE TO PAINTS
B FOR OIL BASE PAINTS, USE 1% PHENOLMERCURIC OR 4% TETRACHLOROPHENOL
C FOR WATER EMULSION AND GLUE SIZE SURFACES, USE 4% SODIUM TETRACHLOROPHENATE
5 INTERIOR USE "STIPPLE" FINISH WHERE ENAMEL IS SPECIFIED
6 EXPOSED VENTS APPLY TWO COATS OF HEAT-RESISTANT PAINT APPROVED BY THE ARCHITECT

GYPSUM WALLBOARD SYSTEM

PERFORM GYPSUM WALLBOARD SYSTEMS WORK IN ACCORDANCE WITH RECOMMENDATIONS OF ASTM C754 AND GA216 UNLESS OTHERWISE SPECIFIED IN THIS SECTION

GA 216 - RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD

ASTM C 754 - INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW-ATTACHED GYPSUM WALLBOARD, BACKING BOARD, OR WATER-RESISTANT BACKING BOARD

PROVIDE METAL FRAMING MATERIALS IN ACCORDANCE WITH GA 216

STUDS SCREW-TYPE CEE-SHAPED MINIMUM 20 GAUGE

RUNNERS MATCH STUDS

FURRING MEMBERS SCREW-TYPE HAT-SHAPED 20 GAUGE

PROVIDE CHANNELS AND HANGER WIRE IN ACCORDANCE WITH GA 216

FASTENERS AND ANCHORAGES IN ACCORDANCE WITH GA 216

PROVIDE GYPSUM WALLBOARD MATERIALS IN ACCORDANCE WITH RECOMMENDATIONS OF GA 216

STANDARD GYPSUM BOARDS SHALL BE 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S) ENDS SQUARE CUT, TAPERED EDGES

FIRE-RATED GYPSUM BOARDS SHALL BE UL RATED, 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S)

MOISTURE RESISTANT GYPSUM BOARD SHALL BE 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S) ENDS SQUARE CUT TAPERED EDGES TO BE USED IN ALL WET AREAS INCLUDING BUT NOT LIMITED TO RESTROOMS AND MOP SINK LOCATIONS

AGGREGATE PORTLAND CEMENT BOARD, 1/2 INCH THICK, WITH POLYMER-COATED, WOVEN-GLASS MESH IN BACK AND FRONT SURFACES

PROVIDE GYPSUM WALLBOARD ACCESSORIES IN ACCORDANCE WITH GA 216

CORNER BEADS SHALL BE METAL

PROVIDE REINFORCING TAPE, JOINT COMPOUND, ADHESIVE, WATER FASTENERS IN ACCORDANCE WITH GA 216

INSTALL MEMBERS TRUE TO LINES AND LEVELS TO PROVIDE SURFACE FLATNESS WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET (1/960) IN ANY DIRECTION

METAL STUDS SHALL BE 16 INCHES ON CENTER UNLESS OTHERWISE INDICATED

PARTITION HEIGHTS SHALL BE FULL HEIGHT FROM FLOOR TO ROOF CONSTRUCTION ABOVE AS/OR INDICATED ON THE DRAWINGS

INSTALL DOUBLE STUDS AT DOOR FRAME JAMBS INSTALL RUNNERS ON EACH SIDE OF OPENING AT FRAME HEAD HEIGHT BETWEEN JAMB STUDS AND ADJACENT STUDS

INSTALL BLOCKING BEHIND DRYWALL FOR SUPPORT OF PLUMBING FIXTURES, TOILET PARTITIONS, WALL CABINETS, TOILET ACCESSORIES, HARDWARE AND ELSEWHERE AS REQUIRED

COORDINATE INSTALLATION OF BUCKS, ANCHORS, BLOCKING, ELECTRICAL, AND MECHANICAL WORK WHICH IS TO BE PLACED IN OR BEHIND PARTITION FRAMING ALLOW SUCH ITEMS TO BE INSTALLED AFTER FRAMING IS COMPLETE.

ERECT WALL FURRING DIRECTLY ATTACHED TO CONCRETE BLOCK AND CONCRETE WALLS

SPACE FURRING CHANNELS MAXIMUM 16 INCHES ON CENTER, NOT MORE THAN 4 INCHES FROM FLOOR AND CEILING BEARING

ERECT SINGLE LAYER STANDARD GYPSUM BOARD IN DIRECTION MOST PRACTICAL AND ECONOMICAL, WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING

ERECT SINGLE LAYER FIRE-RATED GYPSUM BOARD VERTICALLY, WITH EDGES AND ENDS OCCURRING OVER FIRM

USE SCREWS WHEN FASTENING GYPSUM BOARD TO METAL FURRING OR FRAMING

PLACE CORNER BEADS AT EXTERNAL CORNERS USE LONGEST PRACTICAL LENGTHS PLACE EDGE TRIM WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS

TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, CORNERS, OPENINGS, AND FIXTURES, TO PRODUCE SURFACE READY TO RECEIVE SURFACE FINISHES FEATHER COATS ONTO ADJOINING SURFACES SO THAT CAMBER IS MAXIMUM 1/32 INCH FINISHING OF TAPING IS NOT REQUIRED ABOVE CEILING LINE

REMOVE AND RE-DO DEFECTIVE WORK

WOOD FLOOR SYSTEM

REFER TO FINISH SCHEDULE FOR MORE INFORMATION ON MATERIALS AND MANUFACTURERS

ATTENTION - INSTALLER/OWNER RESPONSIBILITY
INSPECT ALL MATERIALS CAREFULLY BEFORE INSTALLATION WOOD IS A NATURAL PRODUCT CONTAINING NATURAL CHARACTERISTICS SUCH AS NATURAL VARIATIONS IN COLOR, TONE AND GRAINING SOME VARIATION IN COLOR IS TO BE EXPECTED IN A NATURAL WOOD FLOOR EVEN THOUGH OUR PRODUCT GOES THROUGH MANY INSPECTIONS BEFORE IT LEAVES THE PLANT, IT IS THE CUSTOMER AND INSTALLER'S RESPONSIBILITY FOR FINAL INSPECTION PRIOR TO INSTALLATION MOHAWK FLOORING WARRANTIES DO NOT COVER MATERIALS WITH VISIBLE DEFECTS ONCE THEY ARE INSTALLED

TOOLS
BASIC TOOLS AND ACCESSORIES BROOM OR VACUUM, CHALK LINE, TAPPING BLOCK, PROFESSIONAL CHOICE CLEANER, HAND OR ELECTRIC JAM SAW, MITER SAW, MOISTURE METER, SAFETY GLASSES, STRAIGHT EDGE, TABLE SAW, TAPE MEASURE, 3M BLUE TAPE, SQUARE, UTILITY KNIFE, PRY BAR USE URETHANE WOOD FLOORING ADHESIVE, TOWELS AND TROWEL IF GLUING OR- A BOSTITCH 50C POWER NAILER FOR NAILING WITH A 1-1/2" POWER CLEAT (NOTE YOU MUST USE A 3/8" OR 1/2" ADAPTER AS APPROPRIATE)

CAUTION IMPROPER USE OF A POWER NAILER CAN MARK THE SURFACE OF THE FLOORING

JOBSITE CONDITIONS
IT IS THE RESPONSIBILITY OF THE INSTALLERS/OWNER TO DETERMINE IF THE JOB SITE SUB-FLOOR AND JOB SITE CONDITIONS ARE ENVIRONMENTALLY AND STRUCTURALLY ACCEPTABLE FOR WOOD FLOOR INSTALLATION

SUB-FLOOR PREPARATION AND RECOMMENDATIONS FOR ALL INSTALLATIONS

CONCRETE SUB-FLOORS
NEW CONCRETE SLABS REQUIRE A MINIMUM OF 60 DAYS DRYING TIME BEFORE COVERING THEM WITH A WOOD FLOOR

LIGHTWEIGHT CONCRETE
LIGHTWEIGHT CONCRETE THAT HAS A DRY DENSITY OF 100 POUNDS OR LESS PER CUBIC FOOT IS NOT SUITABLE FOR MOHAWK WOOD FLOORS MANY PRODUCTS HAVE BEEN DEVELOPED AS SELF-LEVELING TOPPINGS OR FLOOR UNDERLAYMENTS THESE INCLUDE CELLULAR CONCRETE, RESIN-REINFORCED CEMENTITIOUS UNDERLAYMENTS, AND GYPSUM-BASED MATERIALS ALTHOUGH SOME OF THESE PRODUCTS MAY HAVE THE NECESSARY QUALIFICATIONS OF UNDERLAYMENT FOR WOOD FLOORING INSTALLATIONS, OTHERS DO NOT

TO TEST FOR LIGHTWEIGHT CONCRETE, SCRAPE A COIN OR KEY ACROSS THE SURFACE OF THE SUBFLOOR IF THE SURFACE POWDERS EASILY OR HAS A DRY DENSITY OF L00 POUNDS OR LESS PER CUBIC FOOT, DO NOT INSTALL MOHAWK WOOD FLOORING

CONCRETE SUB-FLOORS MUST BE DRY, SMOOTH (LEVEL WITH 3/16" IN A 10 FOOT RADIUS - 1/8" IN 6 FT) AND FREE OF STRUCTURAL DEFECTS HAND SCRAPE OR SAND WITH A 20-GRIT #3-1/2 OPEN FACE PAPER TO REMOVE LOOSE, FLAKY CONCRETE GRIND HIGH SPOTS IN CONCRETE AND FILL LOW SPOTS WITH A PORTLAND BASED LEVELING COMPOUND (MIN 3,000 P S I) CONCRETE MUST BE FREE OF PAINT, OIL, EXISTING ADHESIVES, WAX GREASE, DIRT AND CURING COMPOUNDS THESE MAY BE REMOVED MECHANICALLY BUT DO NOT USE SOLVENT-BASED STRIPPERS UNDER ANY CIRCUMSTANCES THE USE OF RESIDUAL SOLVENTS CAN PROHIBIT THE SATISFACTORY BOND OF FLOORING ADHESIVES IT IS IMPORTANT TO ENSURE A PROPER BOND BETWEEN THE ADHESIVE AND THE CONCRETE, AND PLANKS OR STRIPS MOHAWK ENGINEERED HARDWOOD FLOORING MAY BE INSTALLED ON-GRADE, ABOVE GRADE, AS WELL AS BELOW GRADE WHERE MOISTURE CONDITIONS DO NOT EXIST

TO ENSURE A LONG LASTING BOND, MAKE SURE THAT THE PERIMETER OF THE FOUNDATION HAS ADEQUATE DRAINAGE AND VAPOR BARRIER

WOOD SUB-FLOORS
WOOD SUB-FLOORS NEED TO BE WELL NAILED OR SECURED WITH SCREWS NAILS SHOULD BE RING SHANKS AND SCREWS NEED TO BE COUNTER SUNK THE WOOD SUB-FLOOR NEEDS TO BE STRUCTURALLY SOUND AND DRY THEY SHOULD NOT EXCEED 14% MOISTURE PRIOR TO INSTALLATION IF THE SUB-FLOOR IS SINGLE LAYER, LESS THAN 3/4" THICK, ADD A SINGLE CROSS LAYER FOR STRENGTH AND STABILITY (MINIMUM 5/16" THICK FOR A TOTAL 3/4" THICKNESS) THIS IS TO REDUCE THE POSSIBILITY OF SQUEAKING WOOD SUB-FLOORS MUST BE FREE OF PAINT, OIL, EXISTING ADHESIVES, WAX, GREASE, DIRT AND URETHANE, VARNISH ETC UNDERLAYMENT GRADE OSB (NOT THE WAX SIDE) IS ALSO SUITABLE SUB-FLOORS PARTICLEBOARD IS NOT AN ACCEPTABLE SUB-FLOOR INSTALL AT RIGHT ANGLES TO THE EXISTING FLOOR

SUB-FLOOR MOISTURE CHECK
FLOORING ADHESIVE MAY BE USED FOR ABOVE, ON, AND BELOW GRADE APPLICATIONS AND ON ALL COMMON SUBSTRATES ON AND BELOW GRADE APPLICATIONS ARE SUSCEPTIBLE TO MOISTURE AND SHOULD BE TESTED FOR MOISTURE PRIOR TO INSTALLATION IN SEVERAL LOCATIONS WITHIN THE INSTALLATION AREA ACCEPTABLE CONDITIONS FOR ABOVE ON AND BELOW GRADE APPLICATIONS ARE

LESS THAN 3LBS /1000 SQ FT /24 HRS ON A CALCIUM CHLORIDE TEST

LESS THAN A READING OF 5 0 ON A TRAMEX CONCRETE MOISTURE ENCOUNTER (MOISTURE METER) WOOD SUBSTRATES MUST HAVE A MOISTURE READING OF LESS THAN 14% WHEN USING A TRAMEX OR DELMHORST OR EQUIVALENT MOISTURE METER

TO CORRECT ANY SUB-FLOOR PROBLEMS CONCERNING MOISTURE, EITHER WAIT UNTIL THE SUB-FLOOR DRIES TO MEET SPECIFICATIONS OR USE AN APPROPRIATE MOISTURE BARRIER

SUB-FLOORS OTHER THAN WOOD OR CONCRETE
NOTE PERIMETER GLUED RESILIENT VINYL AND RUBBER TILES ARE UNACCEPTABLE UNDERLAYMENTS AND MUST BE REMOVED

WARNING DO NOT SAND EXISTING RESILIENT TILE, SHEET FLOORING, BACKING, OR FELT LININGS THESE PRODUCTS MAY CONTAIN ASBESTOS FIBERS THAT ARE NOT READILY IDENTIFIABLE INHALATION OF ASBESTOS DUST CAN CAUSE ASBESTOSIS OR OTHER SERIOUS BODILY HARM CHECK WITH LOCAL, STATE AND FEDERAL LAWS FOR HANDLING HAZARDOUS MATERIAL BEFORE ATTEMPTING THE REMOVAL OF THESE FLOORS

CAUTION THE SLAB SURFACE MUST NEVER EXCEED 85° F IN TEMPERATURE

PREPARATION
REMOVE ALL MOLDINGS AND WALL-BASE AND UNDERCUT ALL DOOR CASINGS WITH A HAND OR POWER JAM SAW USING A SCRAP PIECE OF FLOORING AS A GUIDE

NOTE WHEN INSTALLING A PRE-FINISHED WOOD FLOOR BE SURE TO BLEND THE WOOD FROM SEVERAL CARTONS TO ENSURE A GOOD GRAIN AND SHADING MIXTURE THROUGH OUT THE INSTALLATION

GLUE DOWN AND NAIL INSTALLATION GUIDELINES

CAUTION FOLLOW ALL GUIDELINES FOUND ON THE ADHESIVE CONTAINER BY NOT ADHERING TO THE GUIDELINES YOU CAN VOID YOUR FLOORING WARRANTIES
STEP 1 - (WET LAY AND NAILING METHOD)
SELECT A STARTER WALL IT IS RECOMMENDED TO START THE INSTALLATION ALONG AN EXTERIOR WALL, IT'S MORE LIKELY TO BE STRAIGHT AND SQUARE WITH THE ROOM MEASURE OUT FROM THE WALL THE WIDTH OF TWO PLANKS AND MARK EACH END OF THE ROOM AND SNAP YOUR CHALK LINE
STEP 2
SPREAD PROFESSIONAL CHOICE FLOORING ADHESIVE FROM THE CHALK LINE TO THE STARTER WALL USING THE RECOMMENDED TROWEL (3/16" X 1/4" X 1/2" V NOTCH) IT IS IMPORTANT TO USE THE CORRECT TROWEL AT A 45 DEGREE ANGLE TO GET THE PROPER SPREAD OF ADHESIVE APPLIED TO THE SUB-FLOOR, WHICH WILL PRODUCE A PROPER AND PERMANENT BOND IMPROPER BONDING CAN CAUSE LOOSE OR HOLLOW SPOTS
NOTE CHANGE THE TROWEL EVERY 2000 TO 3000 SQUARE FEET DUE TO WEAR DOWN OF THE NOTCHES THIS ASSURES YOU ALWAYS GET THE PROPER SPREAD OF ADHESIVE

WOOD FLOOR SYSTEM (CONT'D)

STEP 3
INSTALL THE FIRST ROW OF STARTER PLANKS WITH THE TONGUE FACING THE STARTER WALL AND SECURE INTO POSITION ALIGNMENT IS CRITICAL AND CAN BE ACHIEVED BY SECURING A STRAIGHT EDGE ALONG THE CHALK LINE (2X4'S WORK WELL), OR BY TOP NAILING THE FIRST ROW WITH FINISHING NAILS (WOOD SUB-FLOOR), THIS PREVENTS SLIPPAGE OF THE PLANKS THAT CAN CAUSE MISALIGNMENT
NOTE THE PLANKS ALONG THE WALL MAY HAVE TO BE CUT TO FIT SINCE MOST WALLS ARE NOT STRAIGHT, AND LEAVING AN EXPANSION SPACE

YOU MUST NAIL 1" - 2" FROM THE ENDS AND EVERY 4" - 6" ALONG THE EDGES THIS WILL HELP INSURE A SATISFACTORY INSTALLATION IT IS BEST TO SET THE COMPRESSOR PSI AT 80 - 85LBS TO KEEP THE STAPLES FROM GOING THROUGH OR BREAKING THE TONGUES IMPROPER STAPLING TECHNIQUES CAN CAUSE SQUEAKS IN THE FLOOR

ADJUSTMENTS MAY BE NECESSARY TO PROVIDE ADEQUATE PENETRATION OF THE NAIL INTO THE NAIL BED YOU WANT IT FLUSH IN THE NAIL POCKET USE A SCRAP PIECE OF FLOORING MATERIAL TO SET TOOLS PROPERLY BEFORE INSTALLATION

STEP 4
ONCE THE STARTER ROWS ARE SECURE SPREAD 2-1/2 TO 3 FEET OF ADHESIVE THE LENGTH OF THE ROOM (NEVER LAY MORE ADHESIVE THAN CAN BE COVERED IN APPROXIMATELY 2 HRS)

PLACE PLANK AND PRESS FIRMLY INTO ADHESIVE NEVER SLIDE PLANKS OR STRIPS THROUGH ADHESIVE USE A TAPPING BLOCK TO FIT PLANKS SNUG TOGETHER AT SIDE AND BUTT-ENDS

TEST FOR PROPER BOND BY OCCASIONALLY LIFTING A BOARD AND LOOKING FOR GOOD COVERAGE (90%), THEN REPLACE IT INTO THE ADHESIVE

CLEAN ANY ADHESIVE OFF THE SURFACE BEFORE IT CURES USING CLEAN TERRY CLOTH TOWELS AND URETHANE REMOVER

USE 3M BLUE MASK TAPE TO HOLD PLANKS SECURELY IN PLACE AS YOU ARE INSTALLING AND CONTINUE THE PROCESS THROUGH OUT THE INSTALLATION USE CAUTION WHEN USING A RUBBER MALLET TO BUTT MATERIAL TOGETHER, IT CAN BURN THE FINISH AND CAUSE MARRING
NOTE NEVER WORK ON TOP OF THE FLOORING WHEN INSTALLING WITH THE WET LAY METHOD

CLEAN UP
USE CLEAN WHITE TERRY CLOTH TOWELS TO CLEAN AS YOU GO, ALONG WITH FLOORING CLEANER ADHESIVE THAT HAS CURED ON THE SURFACE OF THE FLOORING CAN BE DIFFICULT TO REMOVE AND WILL REQUIRE THE USE OF URETHANE REMOVER ONCE THE FLOOR IS COMPLETED CLEAN THE FLOORING WITH FLOORING CLEANER

LIGHT FOOT TRAFFIC IS ALLOWED AFTER 12 HOURS BUT WAIT 24 HOURS AFTER INSTALLATION TO REMOVE THE 3M BLUE MASKING TAPE ONCE THE TAPE IS REMOVED CLEAN ANY ADHESIVE RESIDUE LEFT FROM THE TAPE WITH PROFESSIONAL'S CHOICE FLOORING CLEANER

RECOMMENDED NAILERS BOSTITCH POWER NAILER 50C NAILER USING A 11/2" POWER CLEAT YOU MUST USE THE 3/8" OR 1/2" ADAPTER AS APPROPRIATE

INSTALLING 6 MIL POLYETHYLENE
FOR SLAB ON GRADE APPLICATIONS, INSTALL THE POLYETHYLENE (UNDER SUBFLOOR) PARALLEL TO THE DIRECTION OF THE FLOORING AND ALLOW A 3" OVERHANG AT THE PERIMETER MAKE SURE EACH RUN OF POLYETHYLENE OVERLAPS THE PREVIOUS RUN BY 6" OR MORE

LAYOUT THE JOB
MEASURE OUT FROM THE ENDS OF YOUR STARTING WALL, 2 3/4" WHEN INSTALLING 2 1/4" STRIP FLOORING OR 3 1/2" WHEN INSTALLING 3" PLANKS AND MARK BOTH ENDS WHERE POSSIBLE LAY THE FLOORING AT 90° ANGLES TO THE FLOOR JOISTS MAKE A CHALK LINE ALONG THE STARTING WALL USING THE MARKS YOU MADE

BEGINNING INSTALLATION
PLACE THE PLANKS ALONG YOUR CHALK LINE USE BRADS OR SMALL FINISHING NAILS TO SECURE THE FIRST STARTER ROW ALONG THE WALL EDGE 1" - 2" FROM THE ENDS AND EVERY 4" - 6" ALONG THE SIDE COUNTER SINK THE NAILS AND FILL WITH THE MATCHING WOOD COLOR PUTTY THAT BLENDS WITH THE FLOORING INSTALLED PLACE THE NAILS IN A DARK GRAIN SPOT IN THE BOARD THE BASE OR SHOE MOLDING WILL COVER THE NAILS WHEN INSTALLED AFTER COMPLETION OF THE INSTALLATION

BLIND NAIL AT A 45° ANGLE THROUGH EDGE FACE IT WILL BE EASIER IF YOU PRE-DRILL THE HOLES NAIL 1" - 2" FROM THE ENDS AND EVERY 4" - 6" ALONG THE SIDES IT WILL BE NECESSARY TO BLIND NAIL THE NEXT 2 ROWS A STANLEY BT35 BRAD NAILER WITH 1"-1-3/8" BRADS CAN ALSO BE USED TO BLIND NAIL AND NO PRE-DRILLING IS NEEDED

FINAL TOUCHES
INSTALL THE PROPER TRIM MOLDING AT THE DOORWAYS TO ACHIEVE THE TRANSITION AND ALONG THE WALLS TO COVER THE EDGES OF ANY GAPS ALONG THE WALL DUE TO IRREGULARITY

COMPLETE THE JOB BY USING PROFESSIONAL CHOICE FLOORING FILLER THAT BLENDS WITH THE INSTALLED FLOORING TO FILL ANY GAPPING ALONG THE JOINTS AND CLEAN THE FINISHED FLOOR WITH PROFESSIONAL CHOICE FLOORING CLEANER

DECORATIVE PLASTER FINISH (EXTERIOR)

SYSTEM NAME EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) PB SYSTEM

SUMMARY OF WORK
1 THE EIFS CONTRACTOR WILL PROVIDE ALL THE LABOR, MATERIAL AND EQUIPMENT NECESSARY TO PROPERLY INSTALL THE FIELD APPLIED EIFS THE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) SHALL BE A JOB-FABRICATED EXTERIOR WALL COVERING CONSISTING OF SHEATHING, INSULATION BOARD, REINFORCING FABRIC, BASE COAT, ADHESIVE AND MECHANICAL FASTENERS AS APPLICABLE THE SYSTEM COMPONENTS SHALL BE COMPATIBLE WITH EACH OTHER AND WITH THE SUBSTRATE AS RECOMMENDED OR APPROVED BY, AND THE PRODUCTS OF, A SINGLE MANUFACTURER REGULARLY ENGAGED IN FURNISHING EXTERIOR INSULATION AND FINISH SYSTEMS ALL MATERIALS SHALL BE INSTALLED BY AN APPLICATOR APPROVED BY THE SYSTEM MANUFACTURER EIFS SHALL BE CLASS PB AND SHALL BE THE COLOR AND FINISH AS INDICATED ON THE DRAWINGS
2 FINAL FINISH COATS (DECOPLAST) TO BE APPLIED BY SPECIAL FINISH CONTRACTOR

SUBMITTALS
SUBMIT SYSTEM DATA ON EIFS
- COMPONENTS
- SHOP DRAWINGS
- SYSTEM SAMPLES
- APPLICATOR APPROVAL CERTIFICATE
- MANUFACTURER'S APPLICATION INSTRUCTIONS

QUALITY ASSURANCE PROCEDURES
1 THE EIFS SHALL BE THE PRODUCT OF A MANUFACTURER WHO HAS BEEN IN THE PRACTICE OF MANUFACTURING AND DESIGNING EIFS FOR A PERIOD OF NOT LESS THAN 3 YEARS, AND HAS BEEN INVOLVED IN AT LEAST FIVE PROJECTS SIMILAR TO THIS PROJECT IN SIZE, SCOPE, AND COMPLEXITY, IN THE SAME OR A SIMILAR CLIMATE AS THIS PROJECT
2 THE EIFS INSTALLER SHALL BE TRAINED BY THE EIFS MANUFACTURER TO PERFORM THE INSTALLATION OF THE SYSTEM AND SHALL HAVE SUCCESSFULLY INSTALLED AT LEAST FIVE PROJECTS AT OR NEAR THE SIZE AND COMPLEXITY OF THIS PROJECT THE CONTRACTOR SHALL EMPLOY QUALIFIED WORKERS TRAINED AND EXPERIENCED IN INSTALLING THE MANUFACTURER'S EIFS
3 CURRENT CODE REQUIREMENTS SHALL BE SUBMITTED FOR ACCEPTANCE FOR THE PROJECT'S GEOGRAPHICAL REGION

REFERENCES
1 ANSI/EIMA 99A-2001 AMERICAN NATIONAL STANDARD FOR EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)
2 ASTM E2486-06 STANDARD TEST METHOD FOR IMPACT RESISTANCE OF CLASS PB AND PI EXTERIOR INSULATION AND FINISH SYSTEMS
3 ASTM E2568-07 NEW PB EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)
4 ICC ES AC24 INTERIM CRITERIA FOR EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (JULY 1, 2003)
5 ICC ES AC212 ACCEPTANCE CRITERIA FOR WATER-RESISTIVE COATINGS USED AS WATER-RESISTIVE BARRIERS OVER EXTERIOR SHEATHING (JULY 1, 2004)
6 ICC ES AC219 ACCEPTANCE CRITERIA FOR EXTERIOR INSULATION AND FINISH SYSTEMS (MARCH 1, 2004)
7 ASTM C1382-05 TEST METHOD FOR DETERMINING TENSILE ADHESION PROPERTIES OF SEALANTS WHEN USED IN EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) JOINTS
8 ASTM C1397-05 STANDARD PRACTICE FOR APPLICATION OF CLASS PB EXTERIOR INSULATION AND FINISH SYSTEMS
9 ASTM C1481-00 (2006) STANDARD GUIDE FOR USE OF JOINT SEALANTS WITH EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (REPLACES STANDARD GUIDE FOR USE OF JOINT SEALANTS WITH EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)

DELIVERY, STORAGE AND HANDLING
1 ALL PRODUCTS PROVIDED SHALL BE DELIVERED IN UNOPENED PACKAGING WITH CLEARLY MARKED LABELS
2 ALL MATEPIALS SHALL BE STORED IN A DRY TEMPERATURE CONTROLLED ENVIRONMENT THE MATERIALS MUST BE PROTECTED FROM RAIN, FREEZING, HIGH TEMPERATURE AND DIRECT SUNLIGHT

SEQUENCING AND SCHEDULING
1 SCHEDULE THE INSTALLATION OF THE EIFS ACCORDINGLY, WITH OTHER RELATED WORK ON PROJECT THIS IS TO ENSURE PROTECTION FROM ADVERSE WEATHER OR ABUSE DURING CONSTRUCTION
2 ACCEPTABLE AMBIENT AND SURFACE TEMPERATURES RANGE BETWEEN 40°F AND 100°F

MATERIALS
1 BASECOAT - DRY MIX BASE COAT CONTAINING PORTLAND CEMENT
2 NON-CEMENTITIOUS 100% ACRYLIC BASED POLYMER BASE COAT
3 LIQUID BASE COAT- MIXED 1 1 BY WEIGHT WITH PORTLAND CEMENT TYPE I OR II
4 DECOPLAST® TEXTURED FINISHES - ACRYLIC VENETIAN PLASTER
5 REINFORCING MESH - VARIOUS WEIGHTED MESHES ARE AVAILABLE RANGING FROM 4 3OZ TO 21 9OZ PER SQ YD THE HEAVIER THE WEIGHT THE GREATER THE IMPACT RESISTANCE
6 INSULATION BOARD - AN AGED EXPANDED POLYSTYRENE (EPS) IN VARIOUS THICKNESSES (1/2" TO 4")
7 FASTENERS - AS RECOMMENDED BY THE MANUFACTURER IN CONJUNCTION WITH SPECIFIC SUBSTRATE
8 WEATHER RESISTIVE BARRIER - TYVEK STUCCOWRAP BRAND OR APPROVED EQUIVALENT
9 STARTER TRACK AND TRIM - PLASTIC COMPONENTS BRAND OR APPROVED EQUIVALENT

INSPECTION
PRIOR TO APPLICATION OF THE EIFS THE FRAMING ASSEMBLY MUST COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS THE SUBSTRATE SHALL BE INSPECTED PRIOR TO THE APPLICATION SO AS TO COMPLY WITH THE MANUFACTURER'S SPECIFICATIONS THE GENERAL CONTRACTOR AND ARCHITECT AND OWNER SHALL BE NOTIFIED OF ANY UNSATISFACTORY CONDITIONS AND THE APPLICATION WILL NOT PROCEED UNTIL THESE CONDITIONS HAVE BEEN PROPERLY CORRECTED

PREPARATION
1 IT IS NECESSARY TO TAKE PRECAUTIONS AND MASK, COVER AND PROTECT ALL SURROUNDING AREAS FROM DAMAGE
2 ALL APPLICATION IN PROGRESS, NOT COMPLETELY SET, MUST BE PROTECTED FROM MOISTURE, DEBRIS AND SHADOW LINES

MIXING
ALL COMPONENTS OF THIS SYSTEM ARE TO BE MIXED AS PER MANUFACTURER'S MIXING INSTRUCTIONS ALL MIXING CONTAINERS MUST BE CLEAN AND FREE OF PETROLEUM PRODUCTS AND CONTAMINANTS

INSTALLATION
INSTALL EIFS AS PER MANUFACTURER'S SPECIFICATIONS
1 CLEAN SUBSTRATE AND REMOVE ALL SURFACE DEBRIS AND CONTAMINANTS
2 APPLY ADHESIVE TO SUBSTRATE PER MANUFACTURER'S INSTRUCTIONS
3 THE INSULATION BOARD SHOULD BE INSTALLED HORIZONTALLY IN A RUNNING BOND PATTERN NEVER ALIGNING THE BOARD JOINTS
4 EPS BOARDS MUST BE TIGHTLY ABUTTED ANY SPACES MUST BE FILLED WITH INSULATION SLIVERS AND THEN THE ENTIRE SURFACE MUST BE RASPED
5 BASE COAT AND REINFORCING MESH MUST BE APPLIED TO EMBED THE REINFORCING MESH WITHOUT VISIBILITY THE WINDOWS AND INSIDE AND OUTSIDE CORNERS SHALL HAVE MULTIPLE MESH LAYERS AS PER THE SYSTEM'S SPECIFICATIONS HEAVIER TYPES OF MESH ARE TO BE USED WHERE ADDITIONAL IMPACT RESISTANCE IS REQUIRED
6 UPON THE BASE AND SCRATCH COAT BEING FULLY CURED THE INSTALLER IS TO APPLY DECOPREP AND THEN APPLY SVC (VENETIAN PLASTER) AS PER THE MANUFACTURER'S INSTALLATION DETAILS

CLEANING
AS SOON AS POSSIBLE, CLEAN ALL SURFACES AND TOOLS WITH CLEAN WATER AND MILD SOAP

PROTECTION
AS SOON AS POSSIBLE, REMOVE ALL DEBRIS FROM THE JOB SITE SO AS NOT TO DAMAGE FINISHED WORK

DIVISION #10 - SPECIALTIES

TOILET ACCESSORIES

SEE ROUGH CARPENTRY WOOD ANCHOR REINFORCEMENT

PROTECT ADJACENT OR ADJOINING FINISHED SURFACES AND WORK FROM DAMAGE DURING INSTALLATION OF WORK OF THIS SECTION PROVIDE STEEL ANCHOR PLATES AND ANCHOR COMPONENTS FOR INSTALLATION ON BUILDING

INSTALL FIXTURES, ACCESSORIES, AND ITEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

INSTALL TRUE, PLUMB, AND LEVEL, SECURELY AND RIGIDLY ANCHORED TO SUBSTRATE

REFER TO ENLARGED TOILET ROOM PLAN FOR ACCESSORIES AND LOCATIONS

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT ... J. PHILLIPS JR. No. 2698 STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
DRAWN BY
HM/ PM

ISSUE / DATE

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

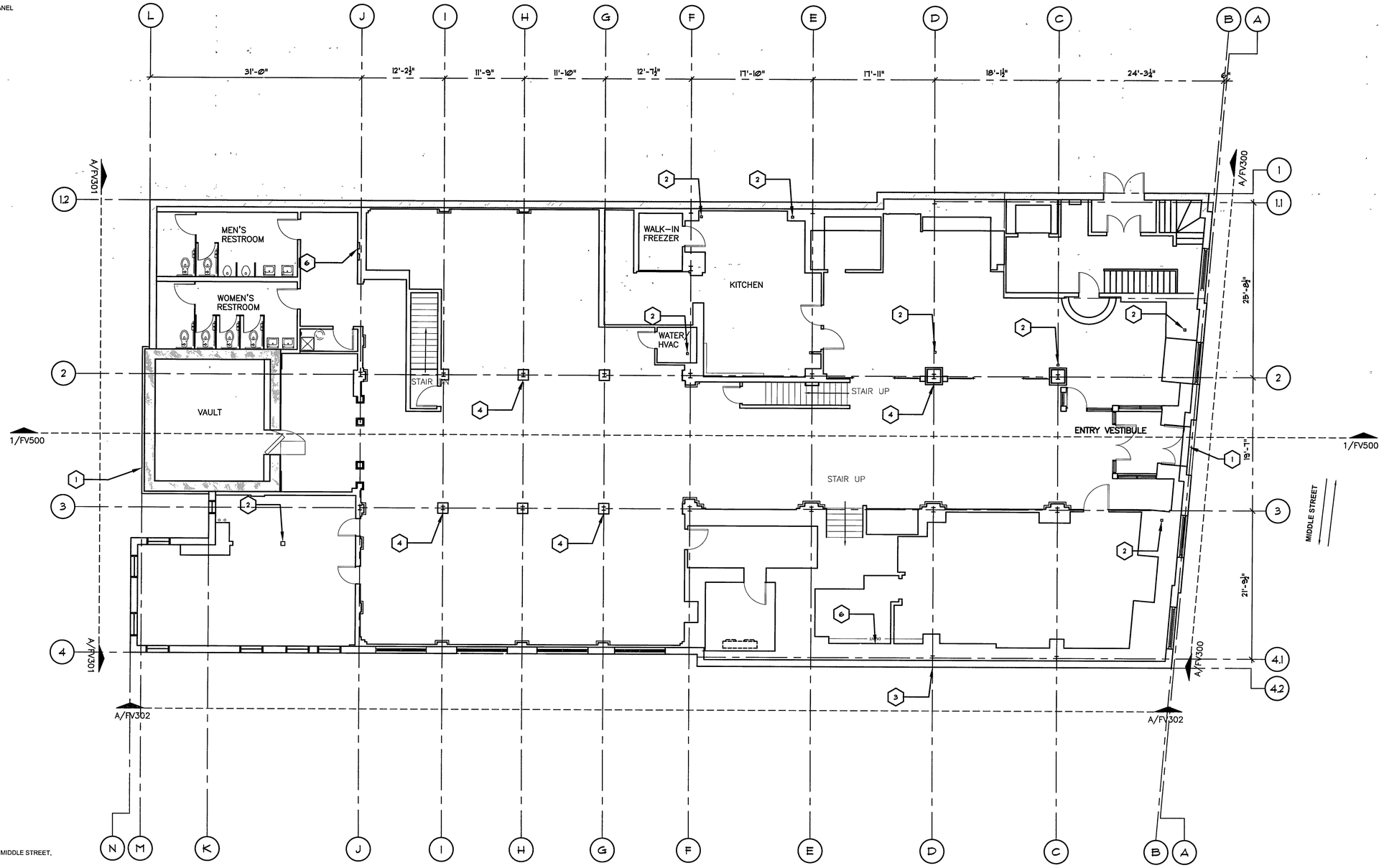
REVISION

SHEET TITLE
ARCHITECTURAL SPECIFICATIONS

SHEET NO
AS101

SURVEY KEY NOTES - FIRST LEVEL PLAN

1. LEASE LINE
2. SQUARE STEEL COLUMN
3. LOAD BEARING MASONRY WALL
4. STEEL COLUMNS (EMBEDDED)
5. LOAD BEARING BRICK FACADE
6. ELECTRICAL PANEL



URBAN OUTFITTERS - 188 MIDDLE STREET, PORTLAND, ME 04101

FIRST LEVEL -	10,241 S F
MEZZANINE -	7078 S F
TOTAL -	17,379 S F

DISCLAIMER THE DIMENSIONS AND AREAS SHOWN HEREON ARE DERIVED FROM INFORMATION GATHERED FROM THE EXISTING DOCUMENTS PROVIDED BY THE OWNER, LANDLORD, OR OTHERS AND WHEN ACCESSIBLE. A PHYSICAL SITE SURVEY DUE TO INACCURACIES BEYOND THE ARCHITECTS CONTROL, THE INFORMATION INDICATED HEREON SHALL BE DEEMED PRELIMINARY AND SHALL BE VERIFIED IN WRITING BY THE OWNERS GENERAL CONTRACTOR FOLLOWING DEMOLITION OF THE TENANT SPACE

1 FLOOR PLAN - FIRST LEVEL
FV100 SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. 2398
STATE OF MAINE
07-21-11

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HM

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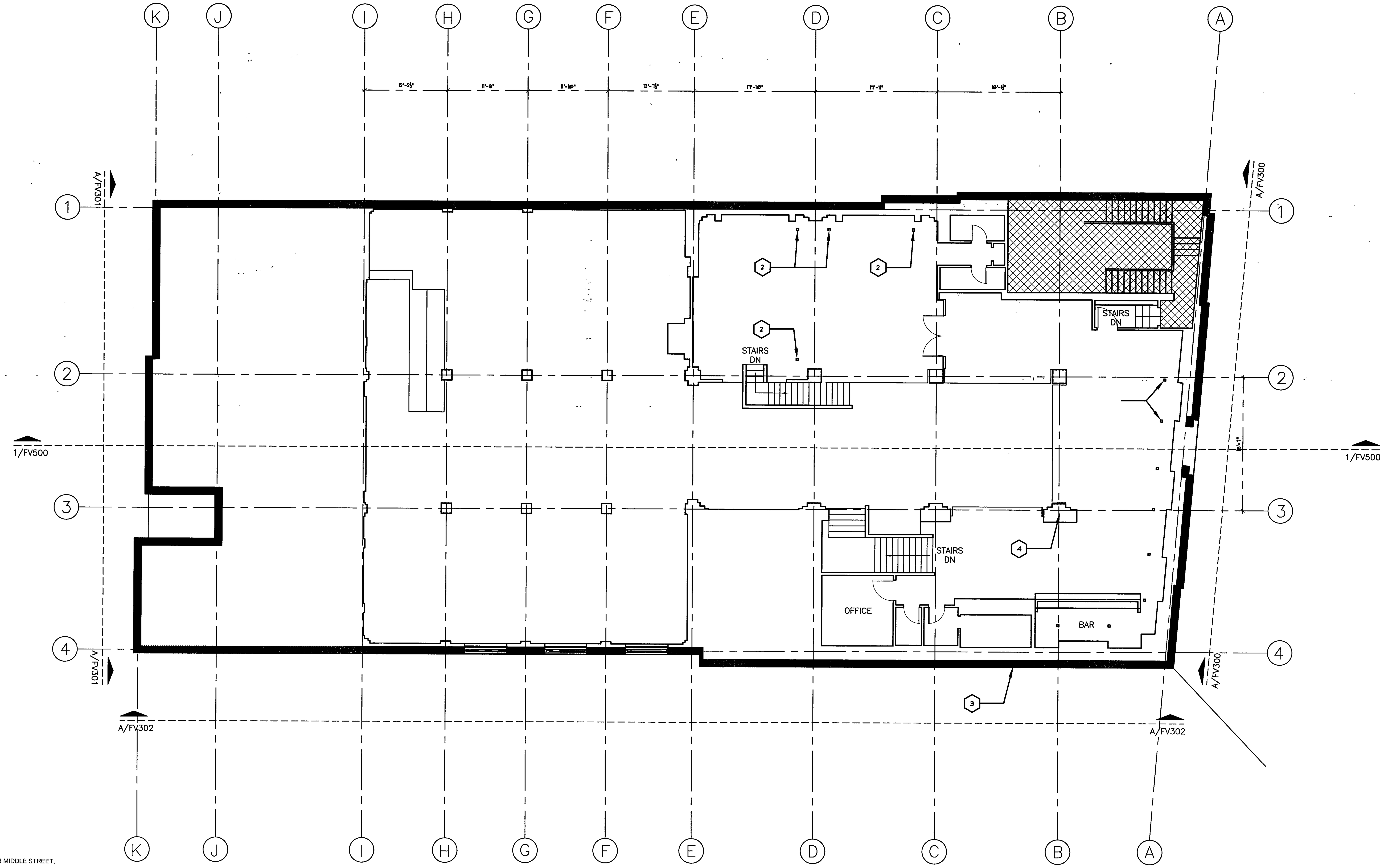
SHEET TITLE
FLOOR PLAN - FIRST LEVEL

SHEET NO
FV100

SURVEY KEY NOTES - MEZZANINE PLAN

1. LEASE LINE
2. SQUARE STEEL COLUMN
3. LOAD BEARING MASONRY WALL



URBAN OUTFITTERS - 188 MIDDLE STREET, PORTLAND, ME 04101

FIRST LEVEL -	10,241 S F
MEZZANINE -	7078 S F
TOTAL -	17,379 S F

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1 FLOOR PLAN - MEZZANINE
FV101 SCALE 1/8"=1'-0"

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URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT .
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232 6642

LICENSED ARCHITECT STATE OF MAINE
07-21-11

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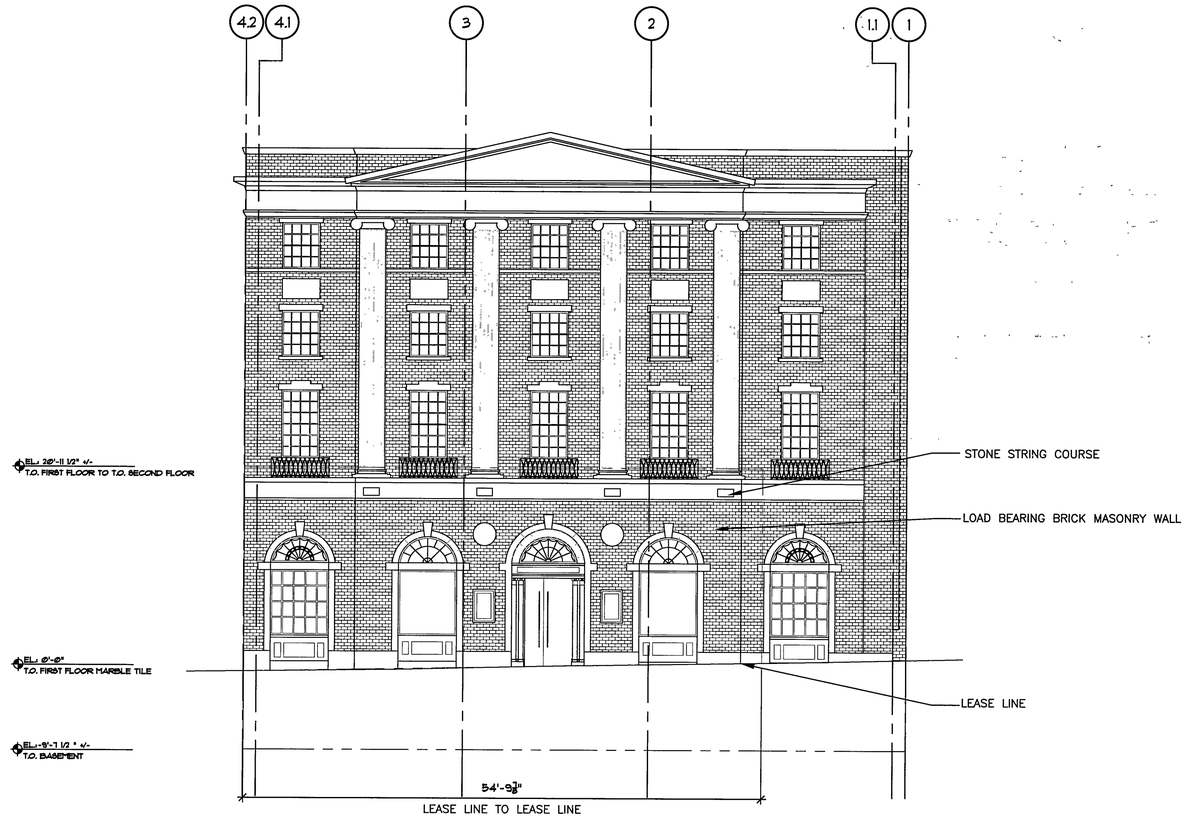
SHEET TITLE
FLOOR PLAN - MEZZANINE

SHEET NO .
FV101



URBAN OUTFITTERS - 188 MIDDLE STREET,
PORTLAND, ME 04101

FIRST LEVEL -	10,241 S F
MEZZANINE -	7078 S F
TOTAL -	17,379 S F

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A FV300 NORTHWEST ELEVATION
SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT ·
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
· GREENVILLE, SC 29602
PH (864) 232 6642

LICENSED ARCHITECT
JERRY J. PHILLIPS JR.
No. 5918
STATE OF MAINE
07.21.11

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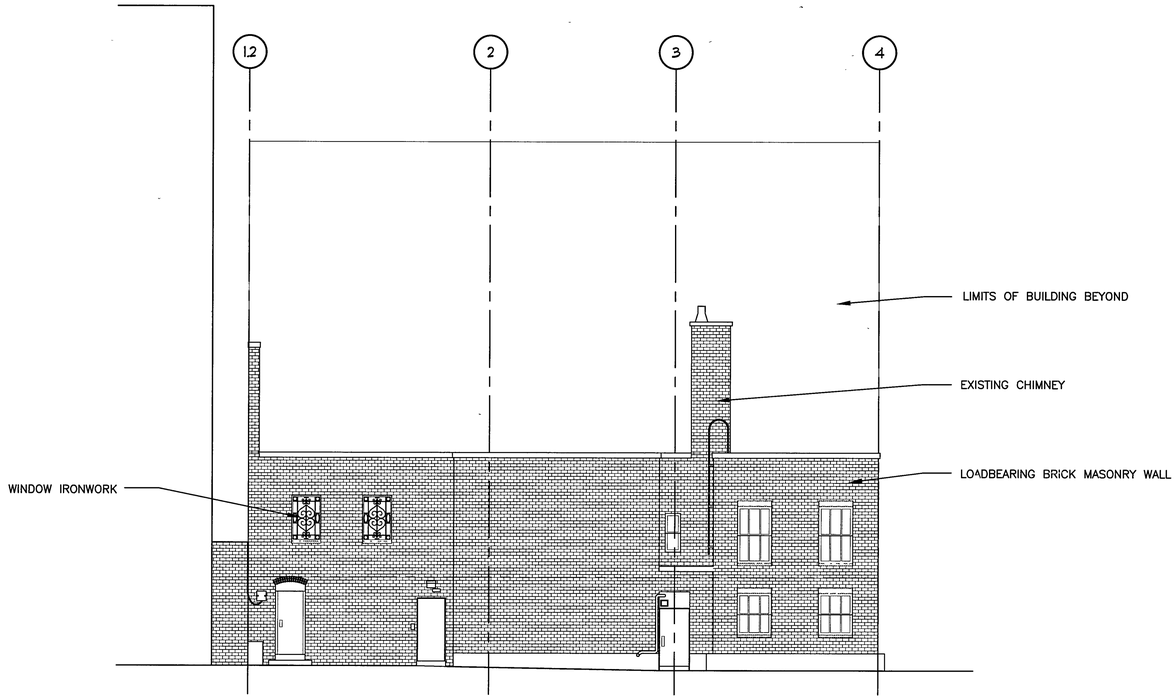
SHEET TITLE
NORTHWEST ELEVATION

SHEET NO.
FV300



A SOUTHEAST ELEVATION
FV301 SCALE 1/8"=1'-0"

URBAN OUTFITTERS - 188 MIDDLE STREET,
PORTLAND, ME 04101

FIRST LEVEL -	10,241 S F
MEZZANINE -	7078 S F
TOTAL -	17,379 S F

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URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642 .

LICENSED ARCHITECT
JERRY L. PHILLIPS JR.
No. 2498
STATE OF MAINE
07.21.11

ARCH PROJECT # 1121907
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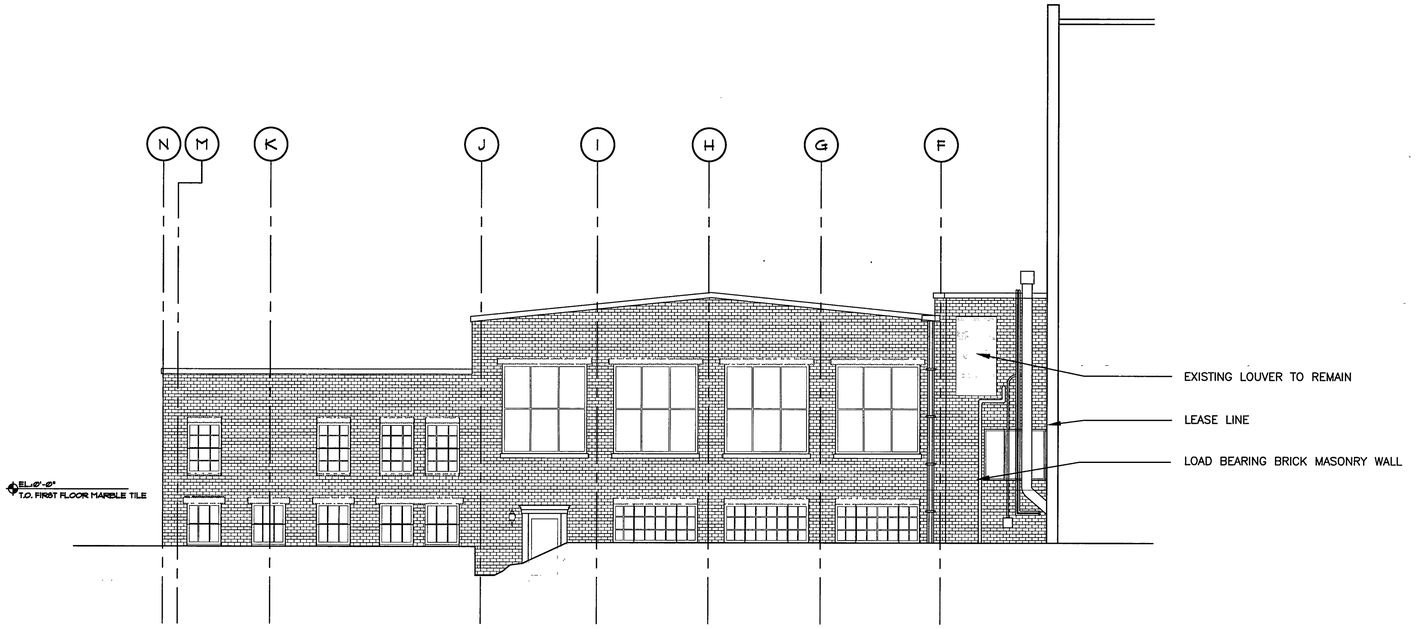
REVISION

SHEET TITLE
SOUTHEAST ELEVATION

SHEET NO .
FV301



A NORTHEAST ELEVATION
FV302 SCALE 1/8"=1'-0"

URBAN OUTFITTERS - 188 MIDDLE STREET,
PORTLAND, ME 04101

FIRST LEVEL -	10,241 S F
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TOTAL -	17,379 S F

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URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

LICENSED ARCHITECT
JEFFREY PHILLIPS JR.
No. 2913
STATE OF MAINE
07-21-11

ARCH PROJECT # 1121907
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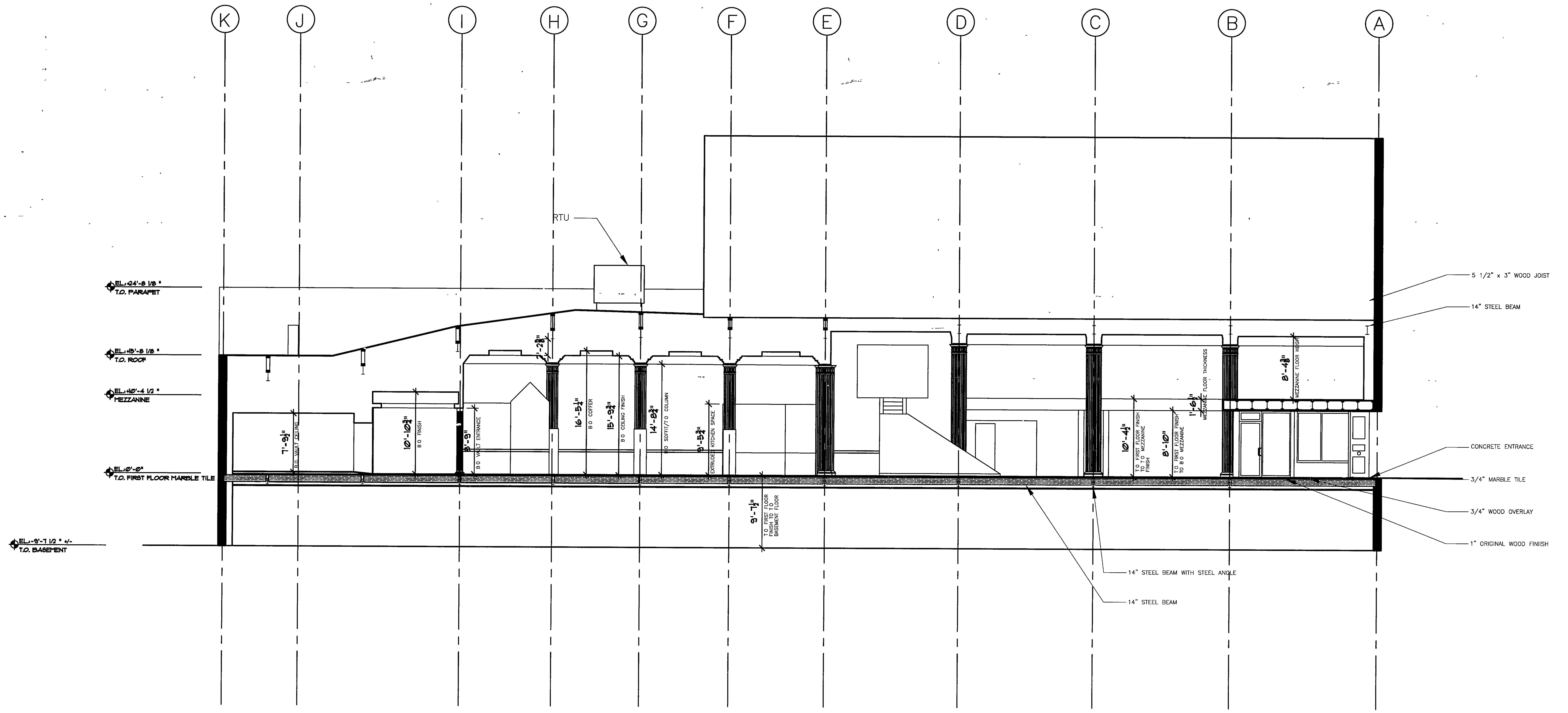
07-22-11

REVISION

SHEET TITLE
NORTHEAST
ELEVATION

SHEET NO
FV302



URBAN OUTFITTERS - 188 MIDDLE STREET, PORTLAND, ME 04101

FIRST LEVEL -	10,241 S F
MEZZANINE -	7078 S F
TOTAL -	17,379 S F

DISCLAIMER THE DIMENSIONS AND AREAS SHOWN HEREON ARE DERIVED FROM INFORMATION GATHERED FROM THE EXISTING DOCUMENTS PROVIDED BY THE OWNER, LANDLORD, OR OTHERS AND WHEN ACCESSIBLE, A PHYSICAL SITE SURVEY DUE TO INACCURACIES BEYOND THE ARCHITECTS CONTROL, THE INFORMATION INDICATED HEREON SHALL BE DEEMED PRELIMINARY AND SHALL BE VERIFIED IN WRITING BY THE OWNERS GENERAL CONTRACTOR FOLLOWING DEMOLITION OF THE TENANT SPACE

1 SCHEMATIC BUILDING SECTION
FV500 SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P.O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

ARCH PROJECT # 1121907
DRAWN BY
HM

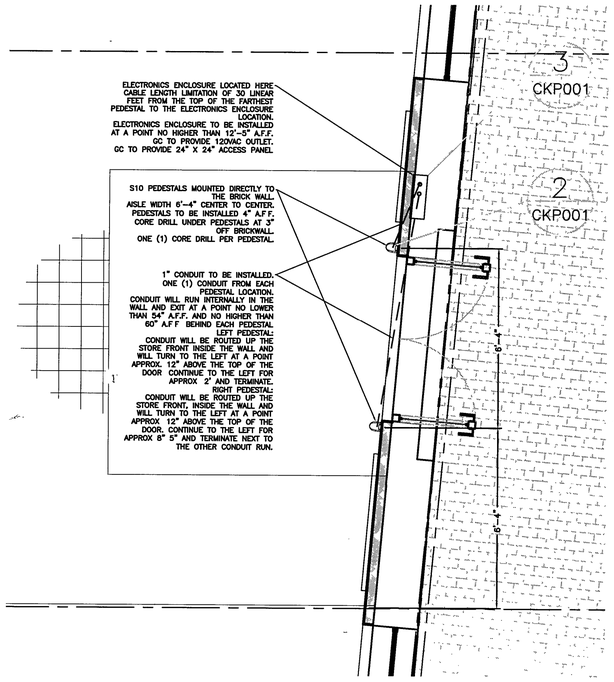
ISSUE / DATE

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

REVISION

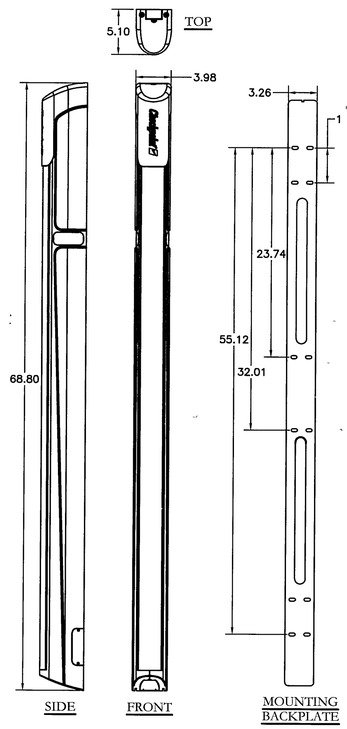
SHEET TITLE
SCHEMATIC BUILDING SECTION

SHEET NO :
FV500



1 EQUIPMENT LOCATION

CKP001 SCALE: 3/16" = 1'



2 EVOLVE S10 - DETAILS

CKP001 SCALE: NONE

EVOLVE S10 ANTENNA

AISLE WIDTH:

- THE S10 SYSTEM IS DESIGNED TO BE INSTALLED ON A STANDARD **72"** DOOR OPENING.

ANTENNA PLACEMENT / MOUNTING

- THE S10 ANTENNA IS MOUNTED TO THE DOOR FRAME, GLASS, OR WALL ON EITHER SIDE OF THE DOOR OPENING.
- THE S10 ANTENNA IS TYPICALLY PLACED **4"** ABOVE THE FINISHED FLOOR.

MOUNTING SURFACES

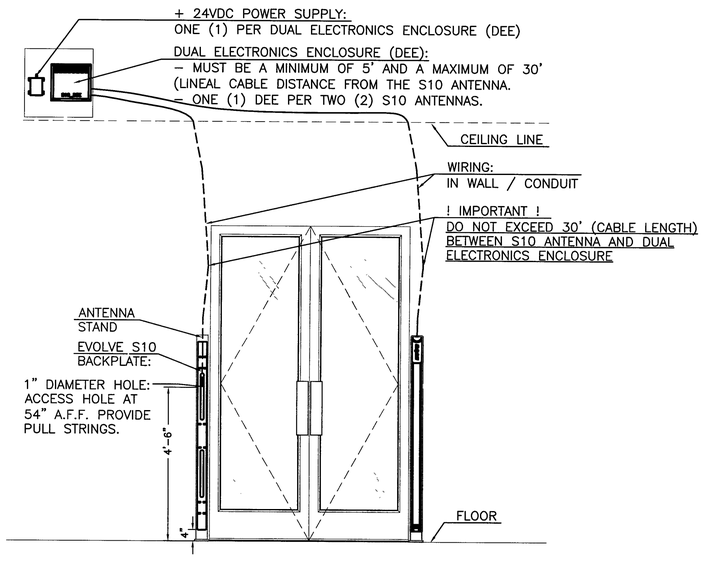
- **METAL DOOR FRAME:** STANDARD BACKPLATE
- **WOOD / DRY-WALL:** STANDARD BACKPLATE
- **GLASS:** REQUIRES GLASS PLATE W/ BRACKET

WIRING (GENERAL)

- WIRING MUST BE ROUTED FROM EACH S10 ANTENNA TO THE DUAL ELECTRONICS ENCLOSURE (DEE).
  - *THE CUSTOMER IS TYPICALLY RESPONSIBLE FOR INSTALLING CONDUIT, AND PROVIDING PULL-STRINGS*
  - *WIRING IS PROVIDED BY, AND INSTALLED BY CHECKPOINT.*

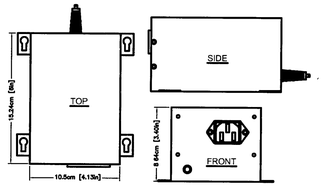
WIRE ROUTING

- CONCEALED (BACK ENTRY)
  - WIRING CAN BE CONCEALED IN THE WALL OR MULLION ON WHICH THE S10 ANTENNA IS MOUNTED.
  - FOR AN S10 ANTENNA *(INSTALLED AT* **4"** *ABOVE THE FLOOR)*, A **1"** DIAMETER HOLE IS REQUIRED AT **54"** ABOVE THE FINISHED FLOOR
- EXTERNAL (TOP ENTRY)
  - THE S10 ANTENNA WILL ACCEPT WIRING INTO THE TOP OF THE ANTENNA WHEN NECESSARY.
  - USE WIREMOLD (MODEL: NM2000) TO CARRY WIRE FROM THE CEILING, DOWN THE WALL / MULLION AND INTO THE TOP OF THE S10 ANTENNA.
- EXTERNAL (BOTTOM ENTRY)
  - THE S10 ANTENNA WILL ACCEPT WIRING INTO THE BOTTOM OF THE ANTENNA WHEN NECESSARY.
  - USE A FLOOR TRENCH (**0.5"** WIDE X **1.5"** DEEP) OR 1500 / 2600 SERIES WIREMOLD TO ROUTE WIRE TO THE ANTENNA LOCATIONS.
  - USE WIREMOLD (MODEL: MN2000) TO ROUTE WIRING FROM THE FLOOR LEVEL TO THE UNDERSIDE OF THE ANTENNA (TYPICALLY A **4"** SPAN).



4 EVOLVE S10 - ESPECIFICATIONS

CKP001 SCALE: NONE



POWER REQUIREMENTS

POWER SUPPLY

- THE EVOLVE ANTENNA UTILIZES ONE (1) +24VDC POWER SUPPLY FOR EVERY TWO (2) EVOLVE ANTENNAS
- THE POWER SUPPLY MUST BE LOCATED WITHIN **18m [60ft]** OF THE FURTHEST ANTENNA
- THE POWER SUPPLY MUST NOT BE INSTALLED HIGHER THAN WHAT IS ACCESSIBLE FROM THE STORE PROVIDED LADDER
- THE ENERGY-STAR POWER SUPPLY IS RATED FOR PLENUM AREAS
- *POWER SUPPLIES ARE TYPICALLY INSTALLED BY CHECKPOINT INSTALLERS*

POWER OUTLET.

- ONE (1) POWER SUPPLY REQUIRES ONE (1) 115VAC SOCKET
- THE OUTLET DOES NOT NEED TO BE AN ISOLATED CIRCUIT
- *POWER OUTLETS ARE TYPICALLY PROVIDED BY THE CUSTOMER.*

3 EVOLVE POWER SUPPLY

CKP001 SCALE: NONE

DUAL ELECTRONICS ENCLOSURE (DEE)

REQUIREMENTS:

- THE DEE UNIT MUST NOT BE FURTHER THAN **30'** (LINEAR DISTANCE) FROM THE FURTHEST ANTENNA, AND MUST NOT BE CLOSER THAN **5'** TO THE NEAREST ANTENNA.
- THE DEE UNIT CAN BE MOUNTED TO WOOD, DRYWALL, OR CONCRETE, ABOVE THE CEILING, OR AT THE GROUND LEVEL.

POWER REQUIREMENTS:

- THE DEE UNIT REQUIRES ONE (1) +24VDC POWER SUPPLY PER DEE UNIT (POWERS UP TO TWO (2) S10 ANTENNAS)

POWER OUTLET:

- ONE (1) POWER SUPPLY REQUIRES ONE (1) 115VAC SOCKET
- THE OUTLET DOES NOT NEED TO BE AN ISOLATED CIRCUIT

PHILLIPS

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ISSUE / DATE

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07-22-11

REVISION

SHEET TITLE
CHECKPOINT DETAILS

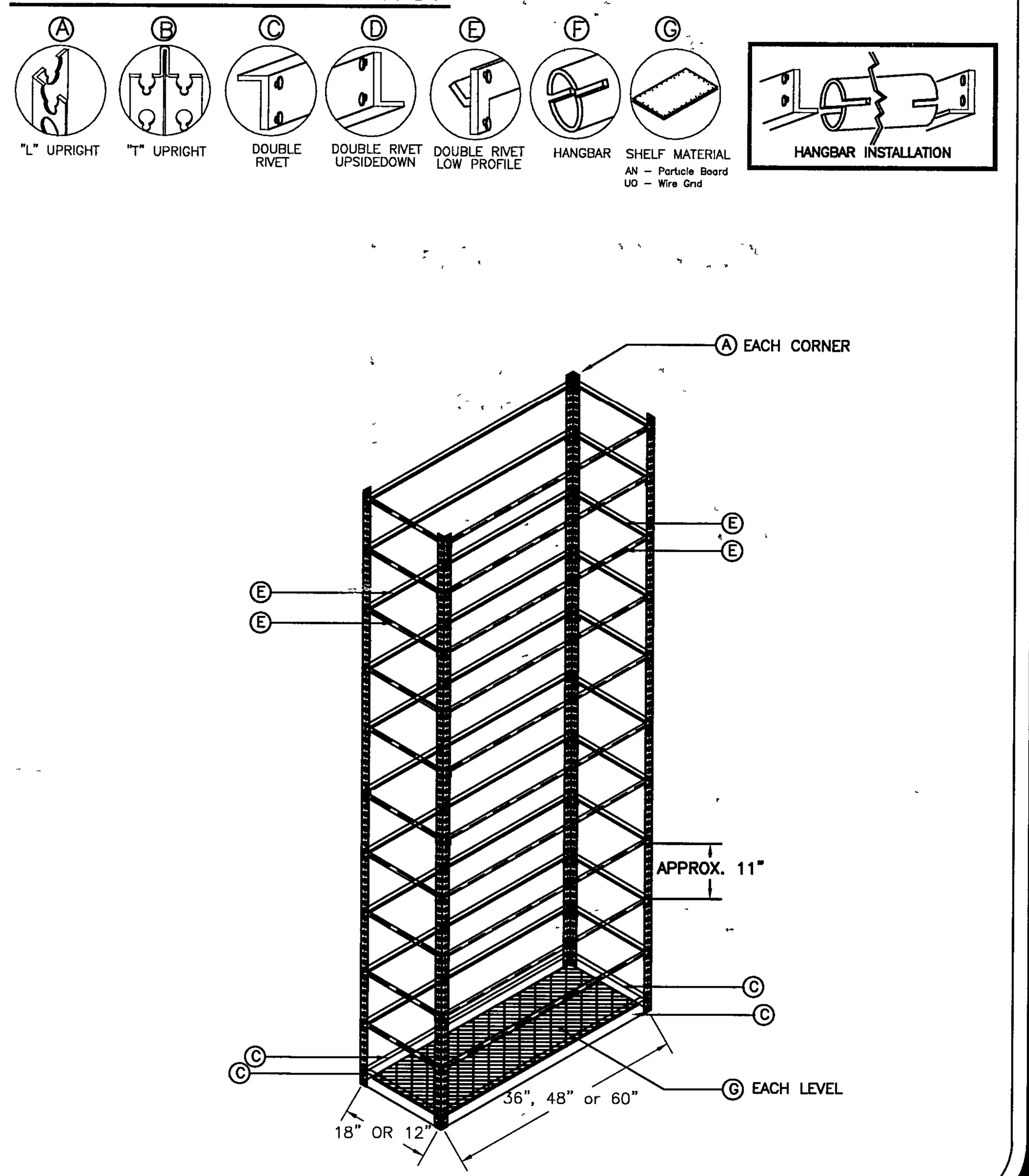
SHEET NO. :
V100

U.O. / ANTHRO. A UNIT INSTALLATION INSTRUCTIONS

PIPP MOBILE STORAGE SYSTEMS, INC

UNITS WILL BE 10' HIGH
WITH 11 SHELVES 10 OPENINGS

SHELVING UNIT PARTS:

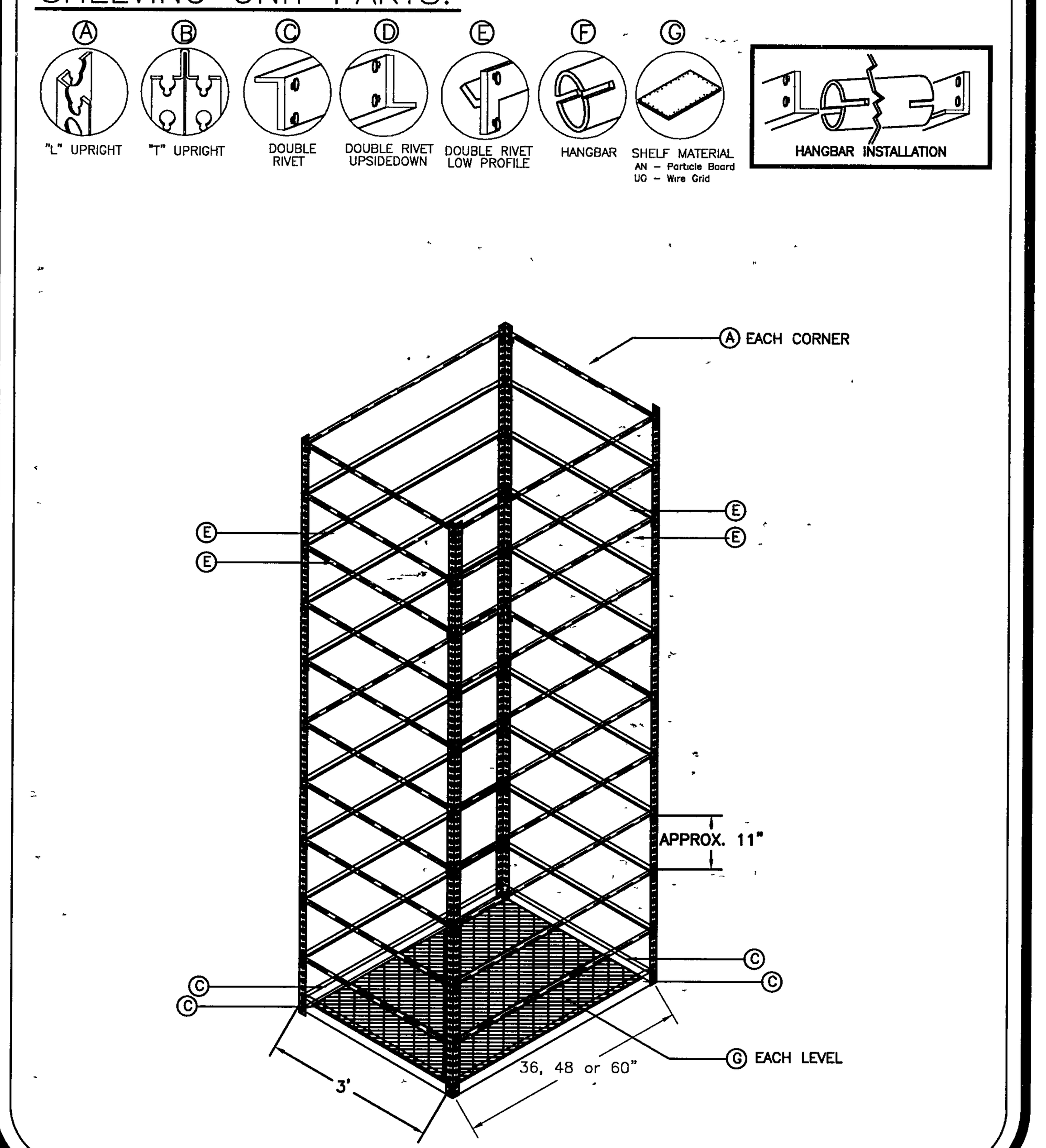


U.O. / ANTHRO. A UNIT INSTALLATION INSTRUCTIONS

PIPP MOBILE STORAGE SYSTEMS, INC

UNITS WILL BE 10' HIGH
WITH 11 SHELVES 10 OPENINGS

SHELVING UNIT PARTS:

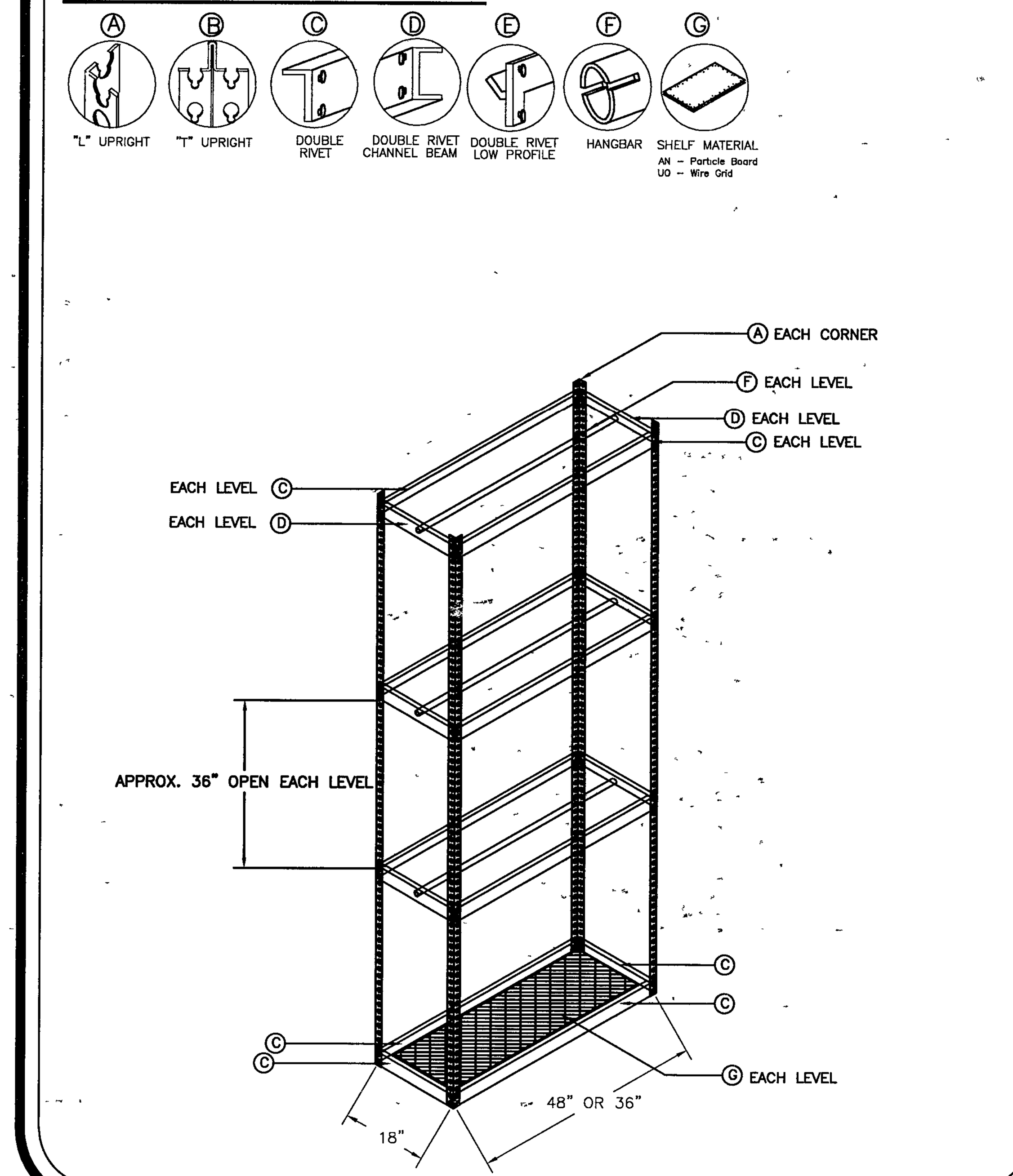


U.O. / ANTHRO B UNIT INSTALLATION INSTRUCTIONS

PIPP MOBILE STORAGE SYSTEMS, INC
PH (800) 234-7477 FAX (616) 791-9916

UNITS WILL BE 10' HIGH
WITH 4 SHELVES 3 HANG LEVELS.

SHELVING UNIT PARTS:

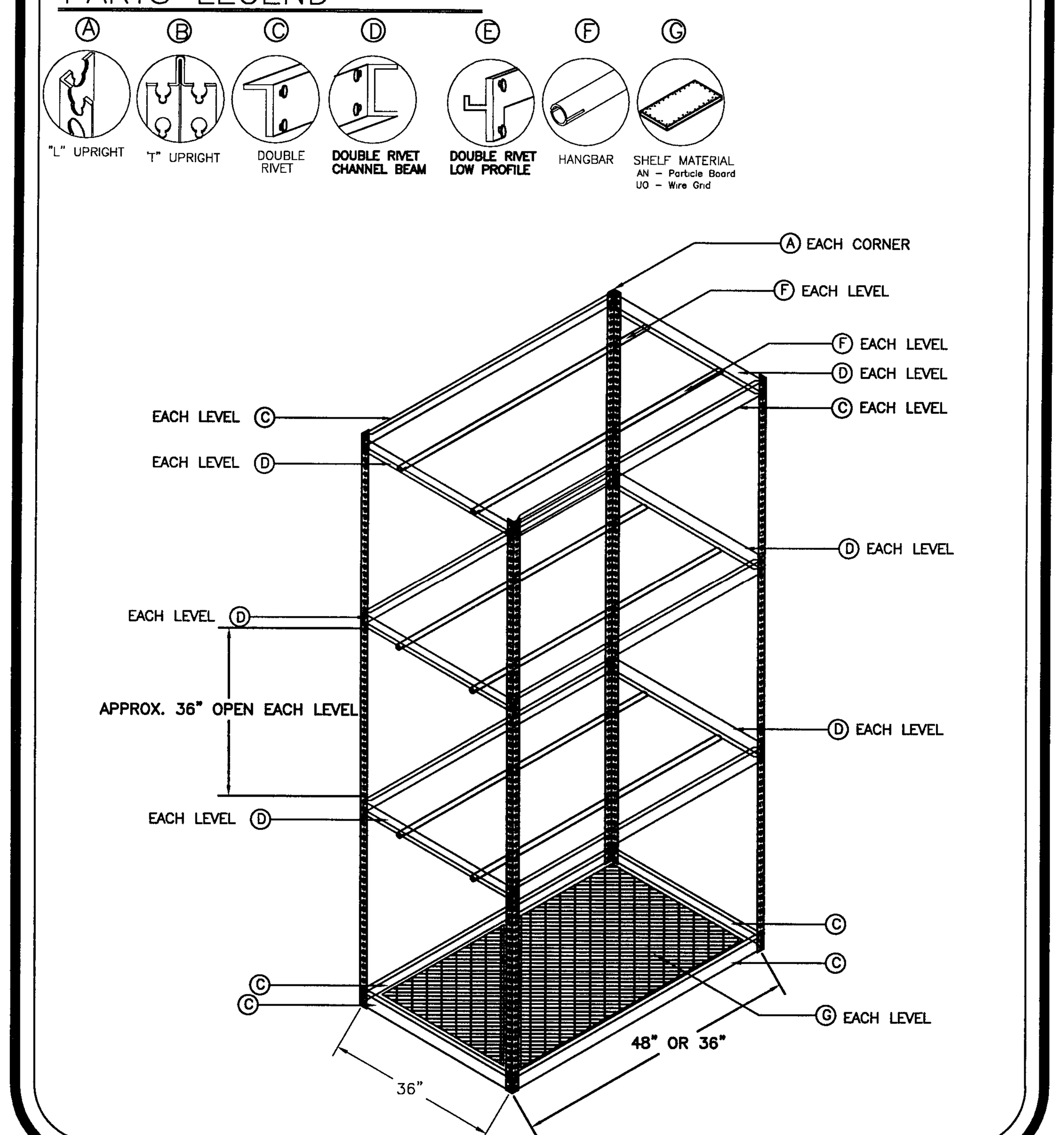


U.O. / ANTHRO B UNIT INSTALLATION INSTRUCTIONS

PIPP MOBILE STORAGE SYSTEMS, INC

UNITS WILL BE 10' HIGH
WITH 4 SHELVES AND 3 HANG LEVELS

PARTS LEGEND

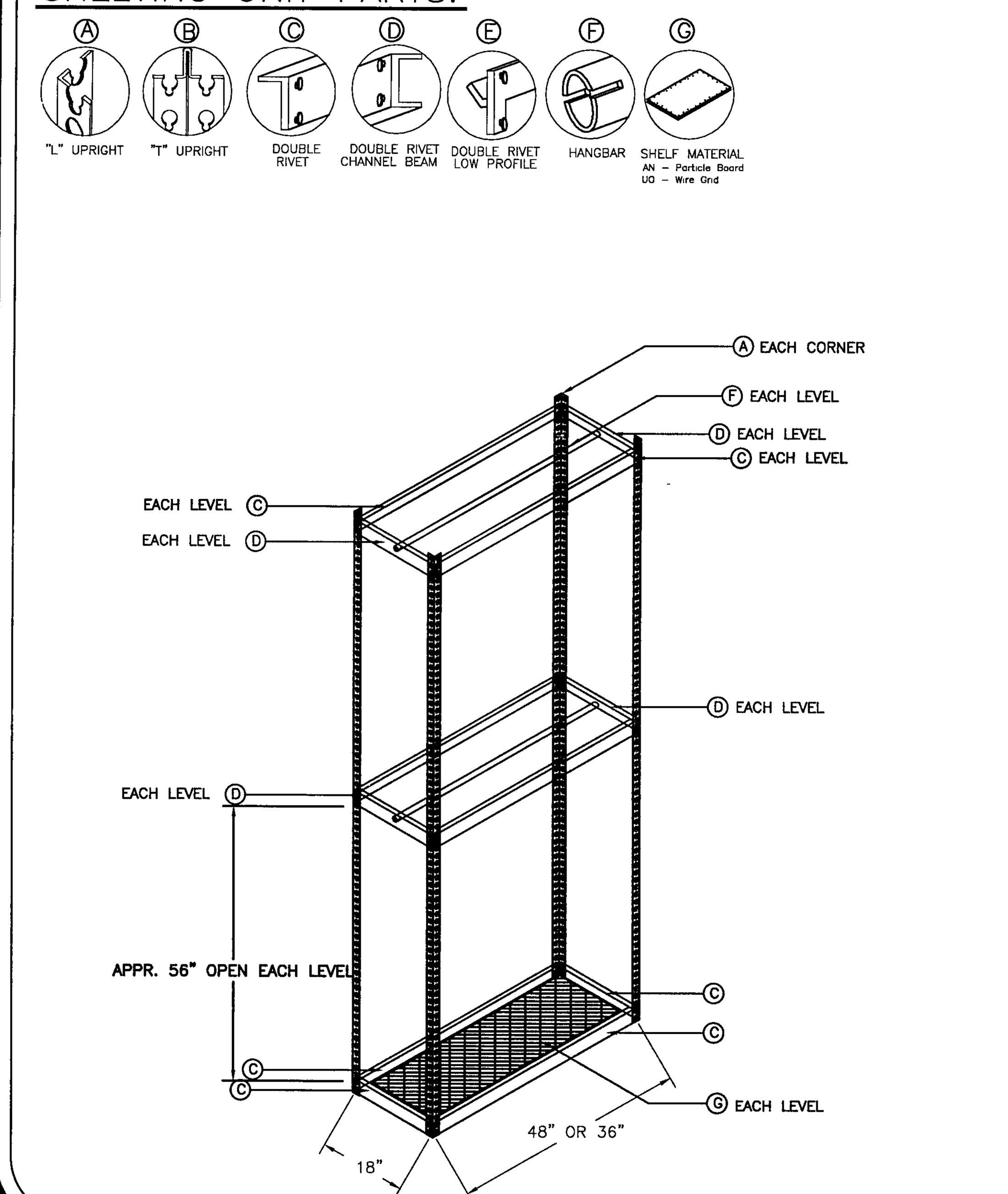


U.O. / ANTHRO C UNIT INSTALLATION INSTRUCTIONS

PIPP MOBILE STORAGE SYSTEMS, INC
PH (800) 234-7477 FAX (616) 791-9916

UNITS WILL BE 10' HIGH
WITH 4 SHELVES 3 HANG LEVELS.

SHELVING UNIT PARTS:

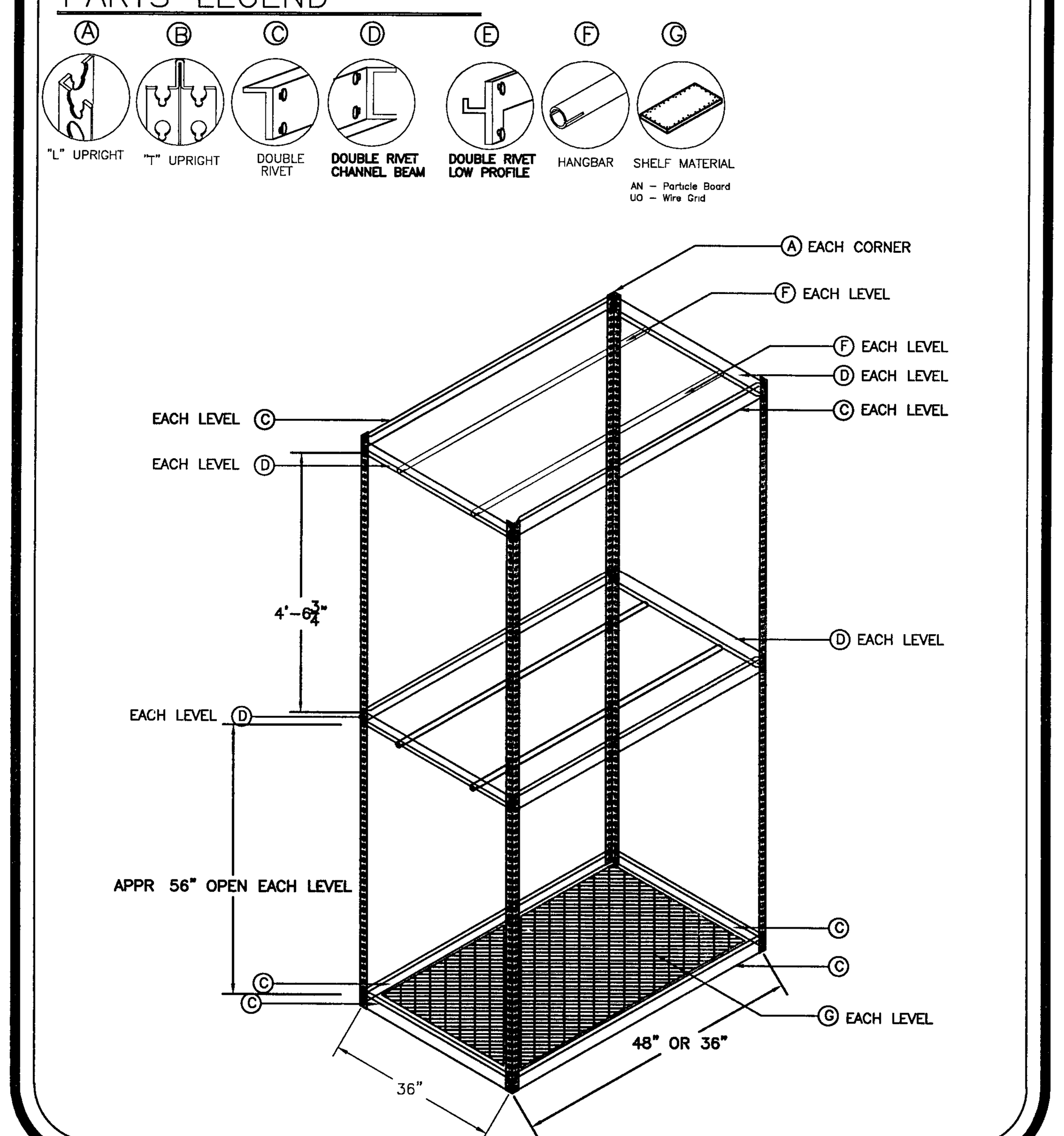


U.O. / ANTHRO C UNIT INSTALLATION INSTRUCTIONS

PIPP MOBILE STORAGE SYSTEMS, INC

UNITS WILL BE 10' HIGH
WITH 3 SHELVES AND 2 HANG LEVELS

PARTS LEGEND



PHILLIPS

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5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

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CONSULTANT
DEVITA & ASSOCIATES
P O. BOX 1596
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PM

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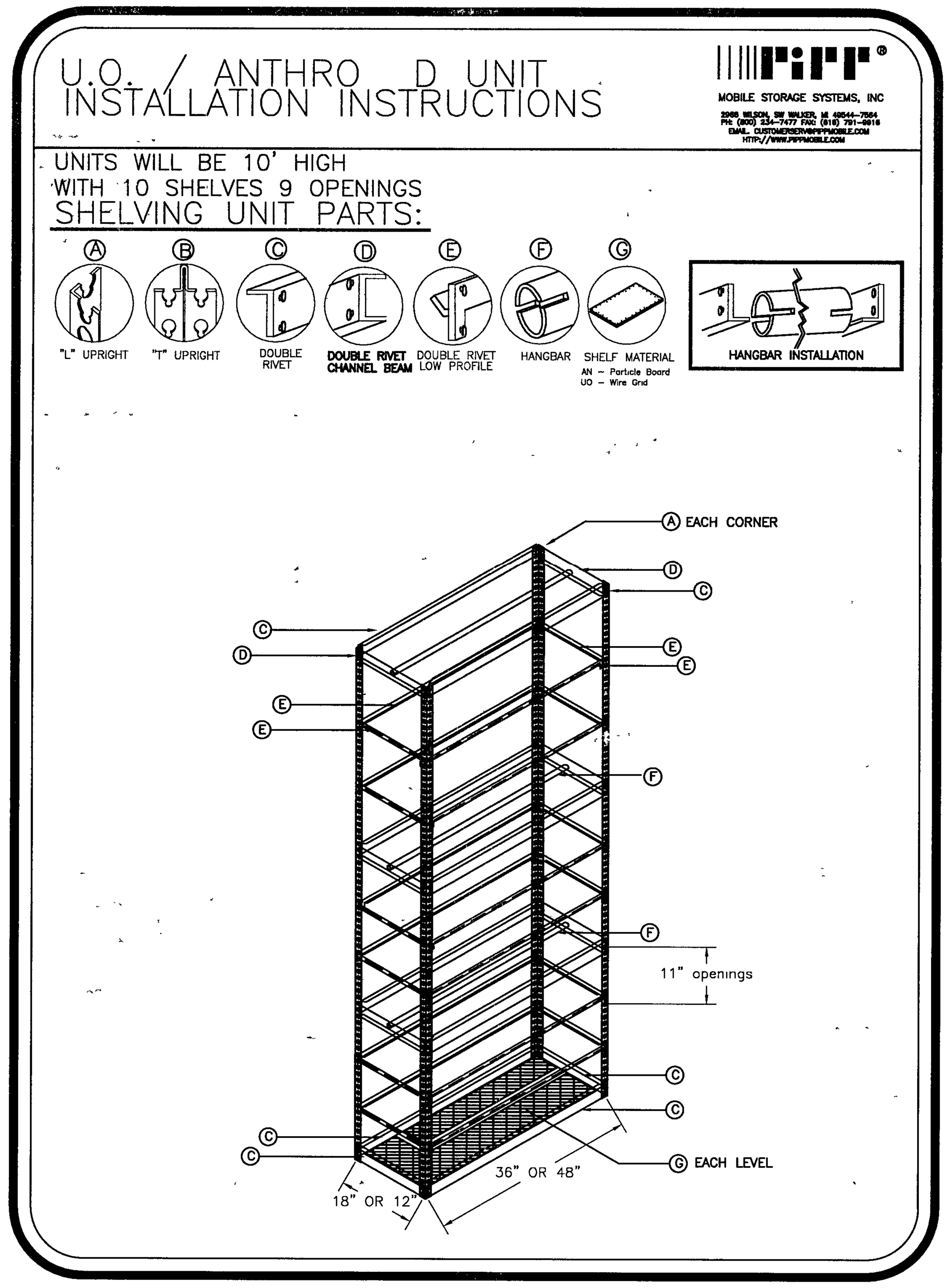
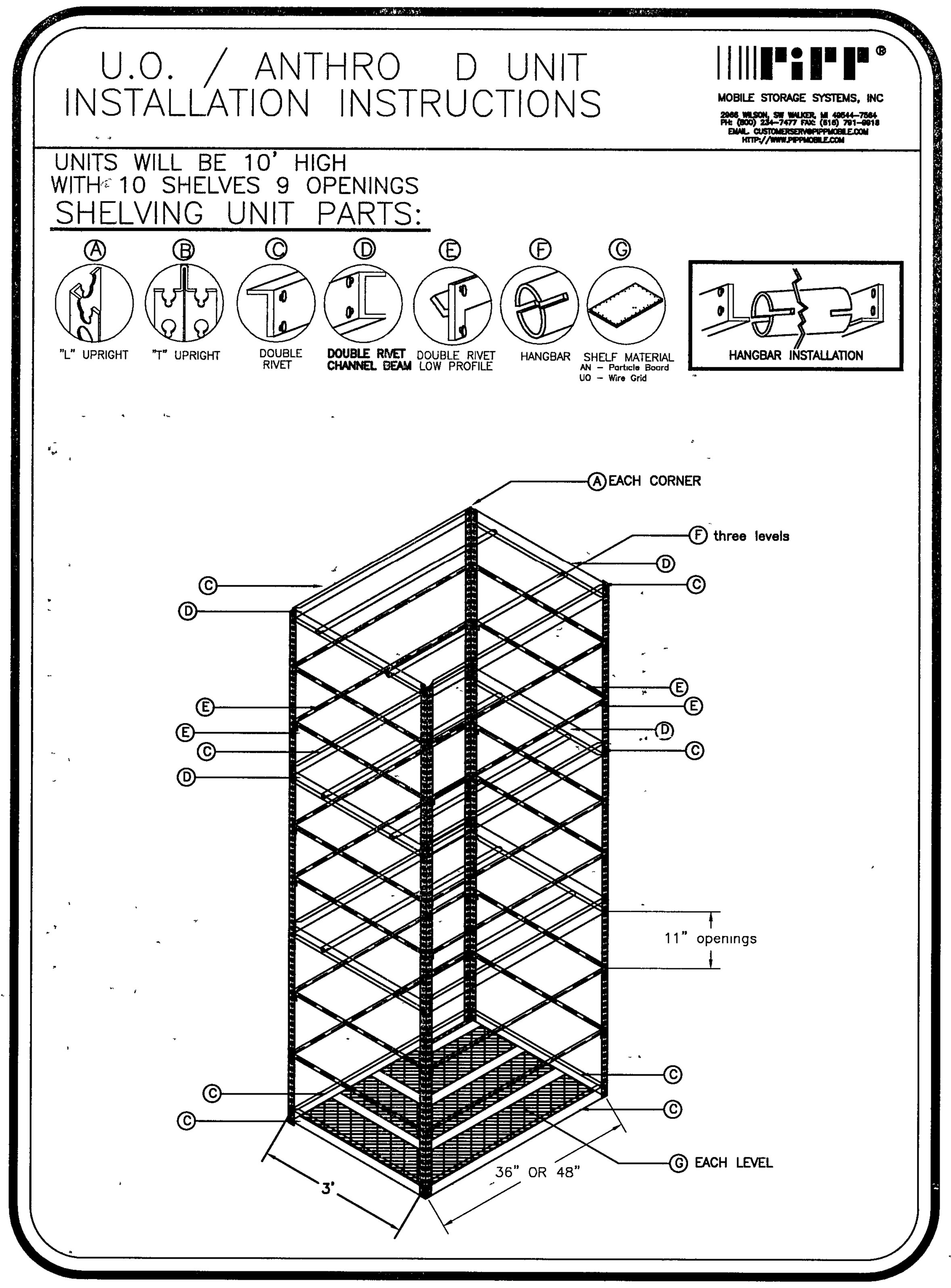
REVISION

SHEET TITLE
PIPP MOBILE STORAGE DETAILS

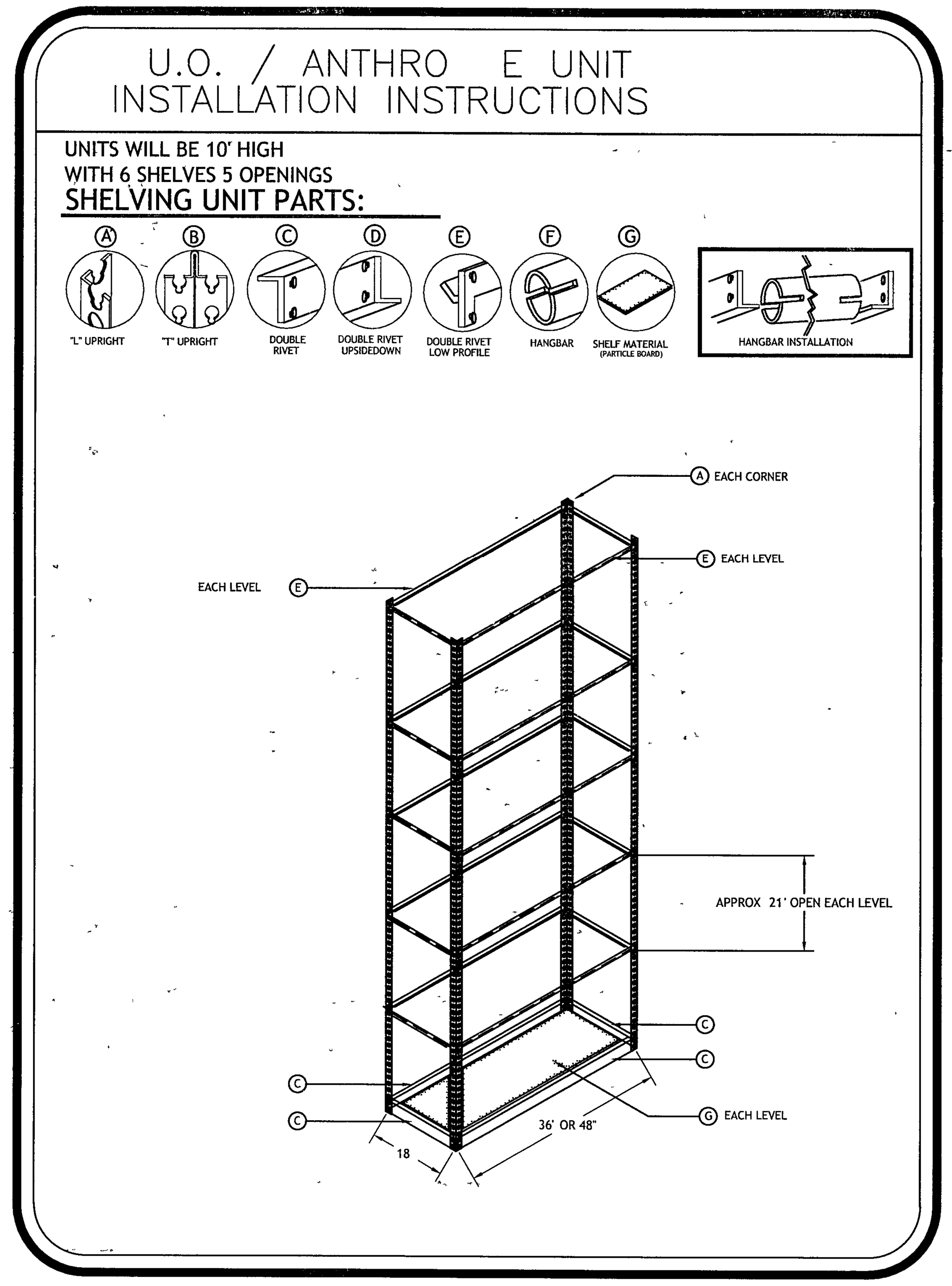
SHEET NO
V200



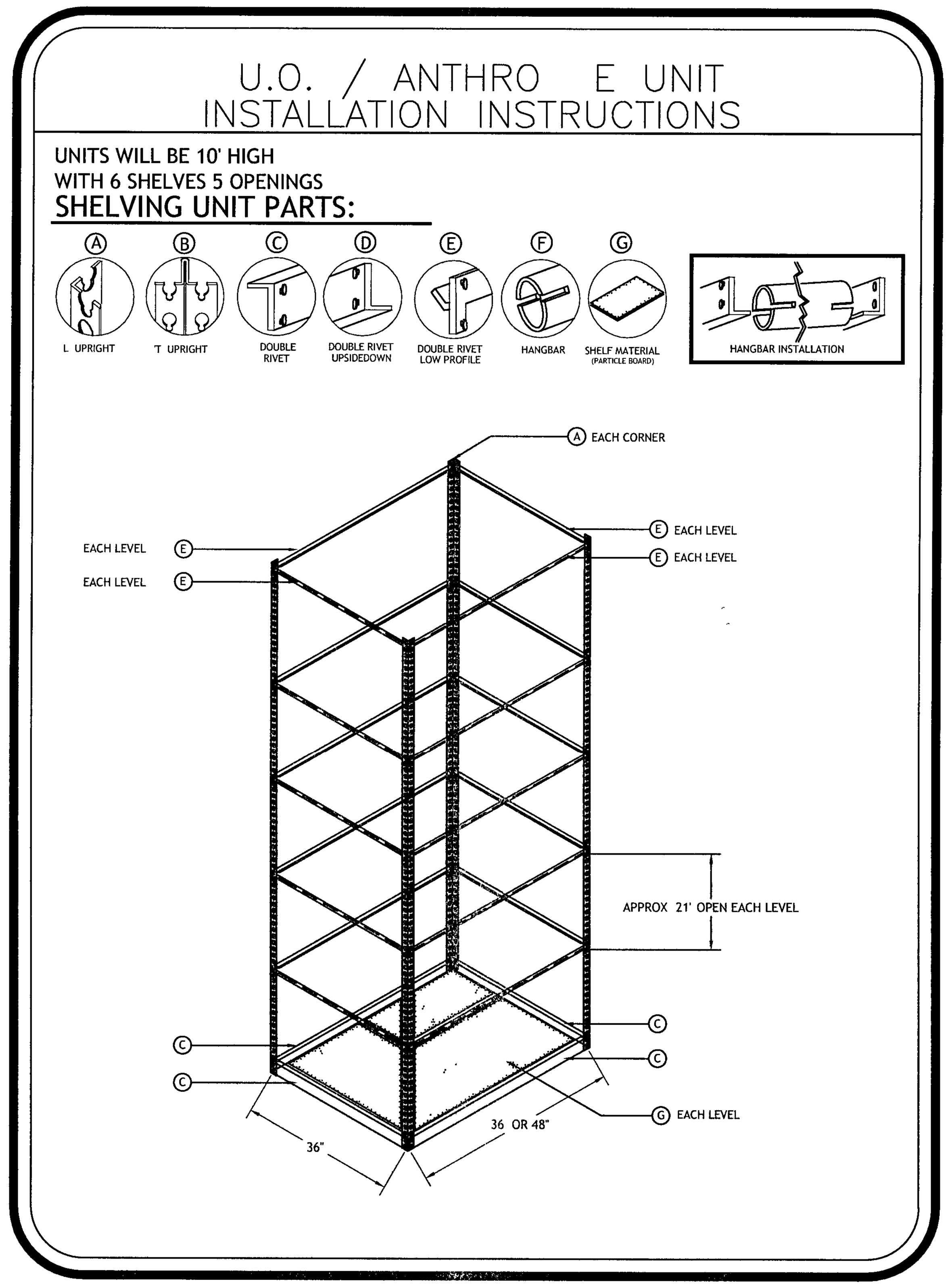
U.O. / ANTHRO D UNIT
INSTALLATION INSTRUCTIONS
MOBILE STORAGE SYSTEMS, INC
UNITS WILL BE 10' HIGH
WITH 10 SHELVES 9 OPENINGS
SHELVING UNIT PARTS:
"L" UPRIGHT
"T" UPRIGHT
DOUBLE RIVET
DOUBLE RIVET CHANNEL BEAM
DOUBLE RIVET LOW PROFILE
HANGBAR
SHELF MATERIAL
AN – Particle Board
UO – Wire Grid
HANGBAR INSTALLATION
EACH CORNER
11" openings
EACH LEVEL
36" OR 48"
18" OR 12"



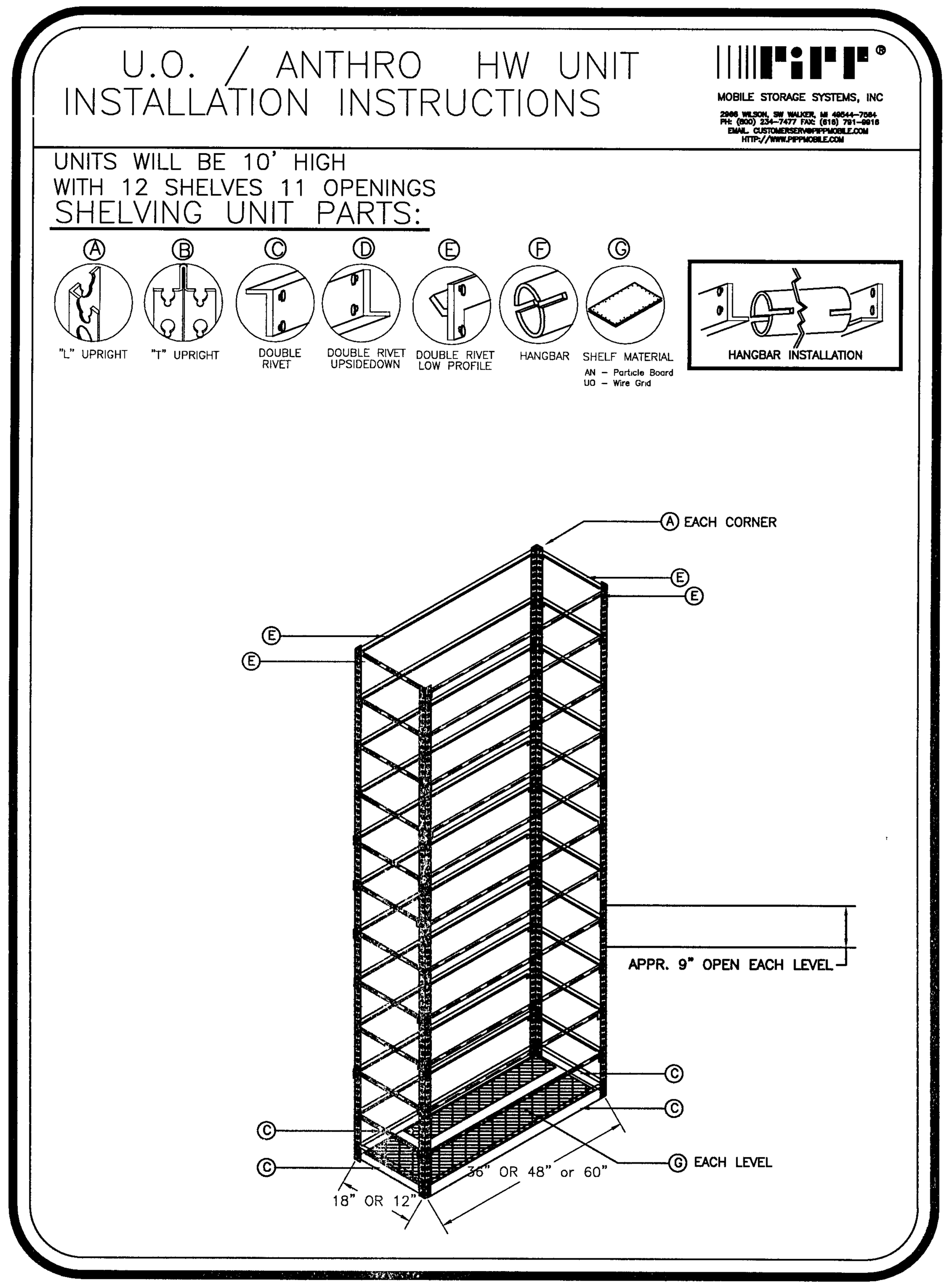
U.O. / ANTHRO D UNIT
INSTALLATION INSTRUCTIONS
MOBILE STORAGE SYSTEMS, INC
UNITS WILL BE 10' HIGH
WITH 10 SHELVES 9 OPENINGS
SHELVING UNIT PARTS:
"L" UPRIGHT
"T" UPRIGHT
DOUBLE RIVET
DOUBLE RIVET CHANNEL BEAM
DOUBLE RIVET LOW PROFILE
HANGBAR
SHELF MATERIAL
AN – Particle Board
UO – Wire Grid
HANGBAR INSTALLATION
EACH CORNER
three levels
11" openings
EACH LEVEL
3'
36" OR 48"



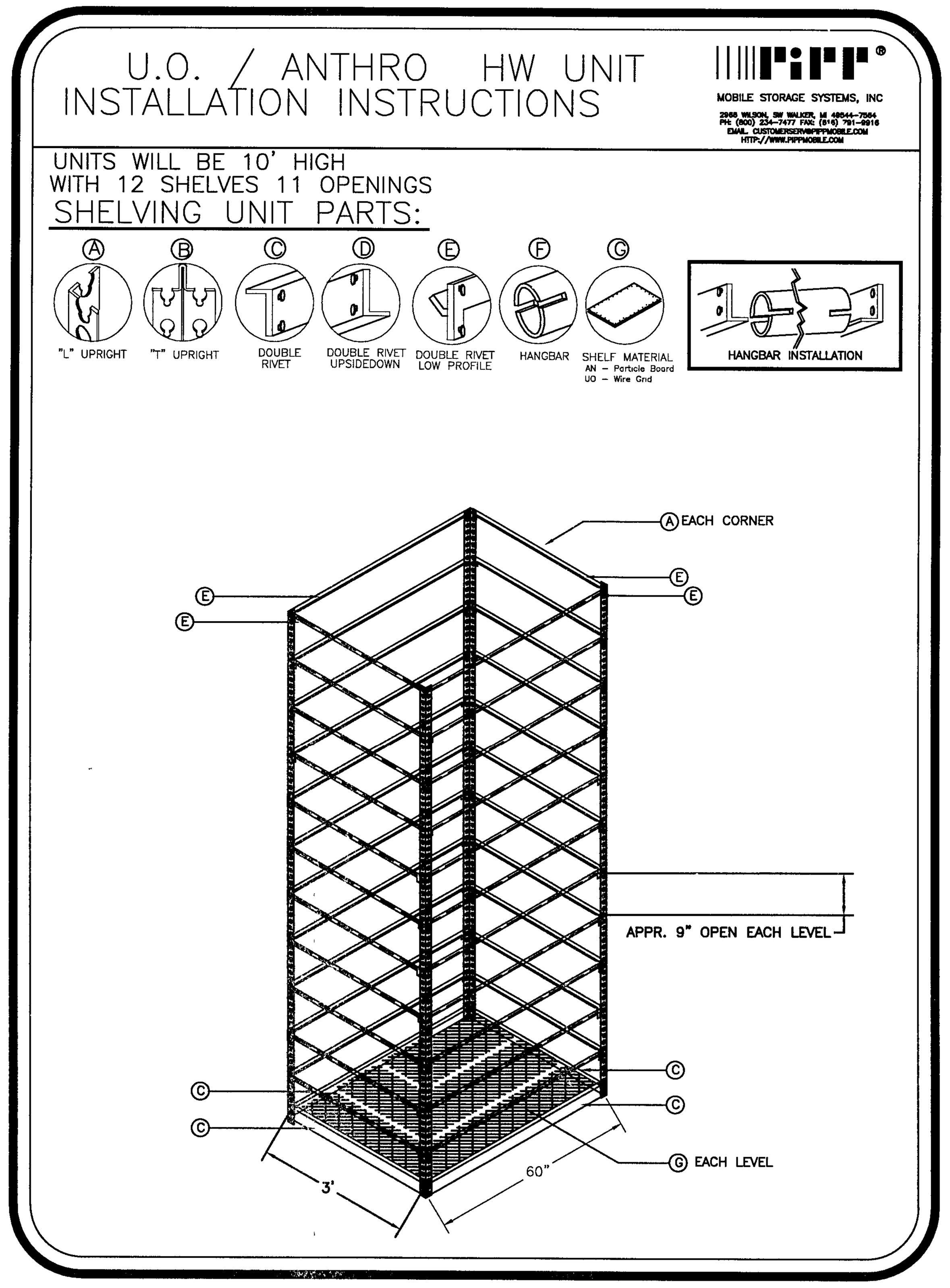
U.O. / ANTHRO E UNIT
INSTALLATION INSTRUCTIONS
UNITS WILL BE 10' HIGH
WITH 6 SHELVES 5 OPENINGS
SHELVING UNIT PARTS:
"L" UPRIGHT
"T" UPRIGHT
DOUBLE RIVET
DOUBLE RIVET UPSIDEDOWN
DOUBLE RIVET LOW PROFILE
HANGBAR
SHELF MATERIAL (PARTICLE BOARD)
HANGBAR INSTALLATION
EACH CORNER
EACH LEVEL
APPROX 21' OPEN EACH LEVEL
36' OR 48"
18



U.O. / ANTHRO E UNIT
INSTALLATION INSTRUCTIONS
UNITS WILL BE 10' HIGH
WITH 6 SHELVES 5 OPENINGS
SHELVING UNIT PARTS:
L UPRIGHT
"T" UPRIGHT
DOUBLE RIVET
DOUBLE RIVET UPSIDEDOWN
DOUBLE RIVET LOW PROFILE
HANGBAR
SHELF MATERIAL (PARTICLE BOARD)
HANGBAR INSTALLATION
EACH CORNER
EACH LEVEL
APPROX 21' OPEN EACH LEVEL
36"
36 OR 48"



U.O. / ANTHRO HW UNIT
INSTALLATION INSTRUCTIONS
MOBILE STORAGE SYSTEMS, INC
UNITS WILL BE 10' HIGH
WITH 12 SHELVES 11 OPENINGS
SHELVING UNIT PARTS:
"L" UPRIGHT
"T" UPRIGHT
DOUBLE RIVET
DOUBLE RIVET UPSIDEDOWN
DOUBLE RIVET LOW PROFILE
HANGBAR
SHELF MATERIAL
AN – Particle Board
UO – Wire Grid
HANGBAR INSTALLATION
EACH CORNER
APPR. 9" OPEN EACH LEVEL
EACH LEVEL
18" OR 12"
36" OR 48" or 60"



U.O. / ANTHRO HW UNIT
INSTALLATION INSTRUCTIONS
MOBILE STORAGE SYSTEMS, INC
UNITS WILL BE 10' HIGH
WITH 12 SHELVES 11 OPENINGS
SHELVING UNIT PARTS:
"L" UPRIGHT
"T" UPRIGHT
DOUBLE RIVET
DOUBLE RIVET UPSIDEDOWN
DOUBLE RIVET LOW PROFILE
HANGBAR
SHELF MATERIAL
AN – Particle Board
UO – Wire Grid
HANGBAR INSTALLATION
EACH CORNER
APPR. 9" OPEN EACH LEVEL
EACH LEVEL
3'
60"

PHILLIPS

URBAN OUTFITTERS

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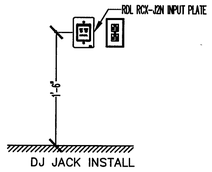
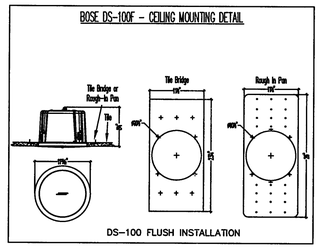
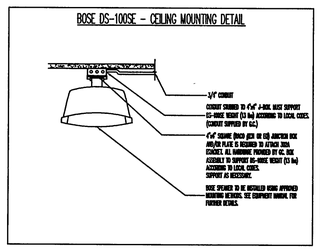
REVISION .

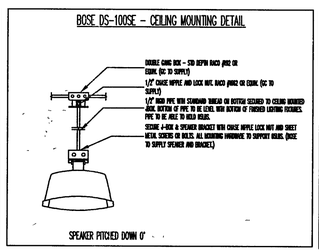
SHEET TITLE
PIPP MOBILE
STORAGE DETAILS

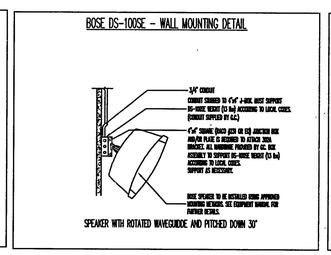
SHEET NO. :
V201

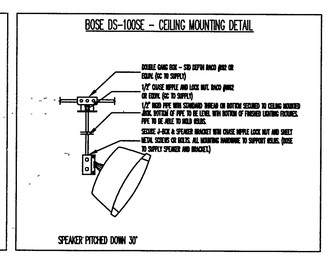












1 SPEAKER DETAIL
V300 SCALE NONE

SOUND SYSTEM NOTES

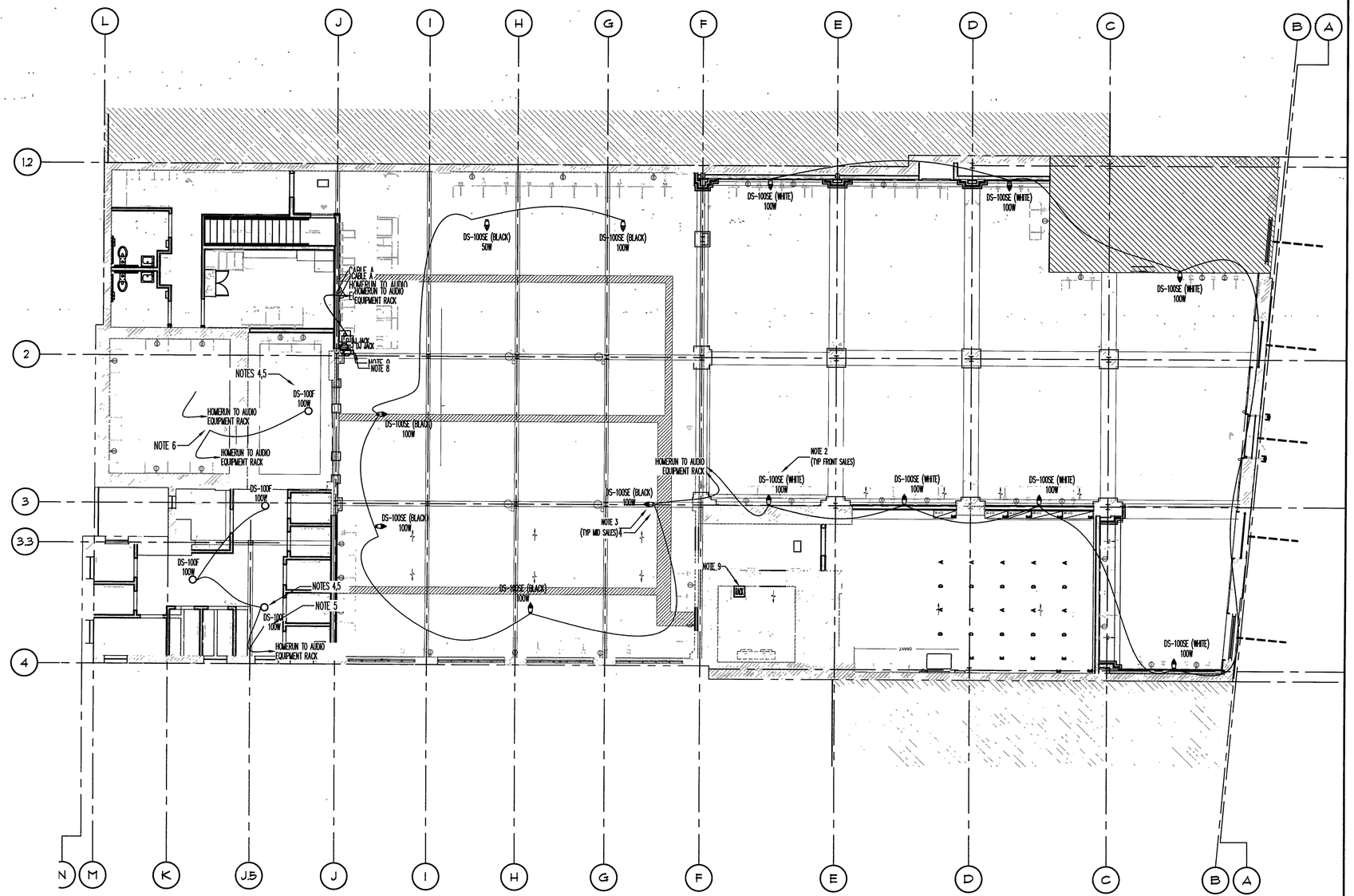
1. ALL SPEAKERS TO BE INSTALLED PER DETAILS ON THIS PAGE.
2. MODEL DS-100SE SPEAKERS IN FRONT SALES AREA TO BE WALL MOUNTED AT APPROXIMATELY 14' AND PITCHED DOWN 30°. SPEAKER FINISH IS WHITE.
3. MODEL DS-100SE SPEAKERS IN MID SALES AREA TO BE CEILING MOUNTED INLINE WITH THE TRACK T2 LIGHTS AT APPROXIMATELY 14'-8" A.F.F. AND PITCHED DOWN 30°. SPEAKER FINISH IS BLACK. CEILING SPEAKERS TO BE MOUNTED FROM RAIL/UNISTRUT. SPEAKERS TO BE MOUNTED TO GC/CLIENT SUPPLIED, CEILING-MOUNTED J-BOXES AND RIGID PIPE, UNLESS OTHERWISE NOTED.
4. DS-100F LOUDSPEAKERS TO BE FLUSH MOUNTED IN CEILING WITH BOSE PROVIDE MOUNTING HARDWARE.
5. DS-100F LOUDSPEAKERS TO BE WHITE FINISH.
6. MODEL DS-100SE SPEAKERS IN SALE ROOM TO BE SURFACE MOUNTED TO THE UNDERSIDE OF THE CONCRETE CEILING AND PITCHED STRAIGHT DOWN. SPEAKER FINISH IS WHITE.
7. ALL GC/CLIENT SUPPLIED CONDUIT BOXES FOR SPEAKERS TO HAVE 3/4" CONDUIT WITH PULL STRINGS BETWEEN THEM. CONDUIT LAYOUT TO FOLLOW SPEAKER LAYOUT.
8. GC/CLIENT TO PROVIDE A SINGLE GANG, WALL-MOUNTED, DEEP J-BOX MOUNTED AT 18" A.F.F. FOR DJ JACK AT LOCATION SHOWN. PROVIDE ONE (1) 3/4" CONDUIT RUN TO AUDIO RACK IN OFFICE.
9. AUDIO EQUIPMENT RACK TO BE WALL MOUNTED IN OFFICE ABOVE SAFE. VERIFY WITH GC FOR EXACT LOCATION. PROVIDE ONE (1) DEDICATED 120VAC CIRCUIT, DUPLEX OUTLET FOR AUDIO RACK. GC TO PROVIDE (1) DOUBLE GANG J-BOX BEHIND RACK FOR AUDIO CABLES.

CONDUIT NOTES

1. ALL SPEAKER WIRING WILL BE THROUGH 3/4" CONDUIT.
2. ELECTRICAL CONTRACTOR SHALL REVIEW INSTALLATION METHODS, MATERIALS & CONDUIT LAYOUTS W/ DESIGNER & ARCHITECT PRIOR TO WORK COMMENCEMENT. CONDUIT WORK INCLUDES: FIRE ALARM SYSTEMS, COMPUTER INFORMATION SYSTEMS, SOUND SYSTEM, TELEPHONE SYSTEMS, SECURITY SYSTEMS, LIGHTING, POWER, ETC. SEE ARCHITECT'S DRAWINGS FOR DETAILS & SPECIFICATIONS.

2 NOTES
V300 SCALE NONE

	DS-100SE LOUDSPEAKER. PITCHED STRAIGHT DOWN.
	DS-100SE LOUDSPEAKER. PITCHED 30° DOWN.
DS-100F 100W	DS-100F LOUDSPEAKER FLUSH MOUNTED.
P DJ JACK	DJ JACK. RDL RCK-J2N PLATE.
VC MODEL	VOLUME CONTROL WALL MOUNTED AT SWITCH HEIGHT.
RACK	WALL MOUNTED EQUIPMENT RACK
CABLE TYPE	A) CABLE TO BE 18 AWG, 2 CONDUCTOR, PLENUM UNLESS SPECIFIED A. BALANCED AUDIO CABLE. 22 AWG 2 CONDUCTOR, SHIELDED PLENUM RATED



SOUND SYSTEM PLAN
SCALE 1/8"=1'-0"

PHILLIPS

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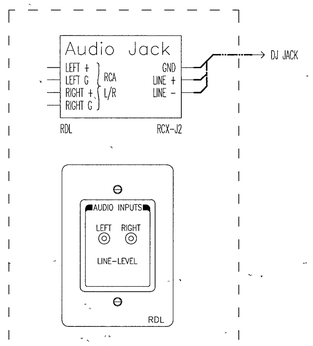
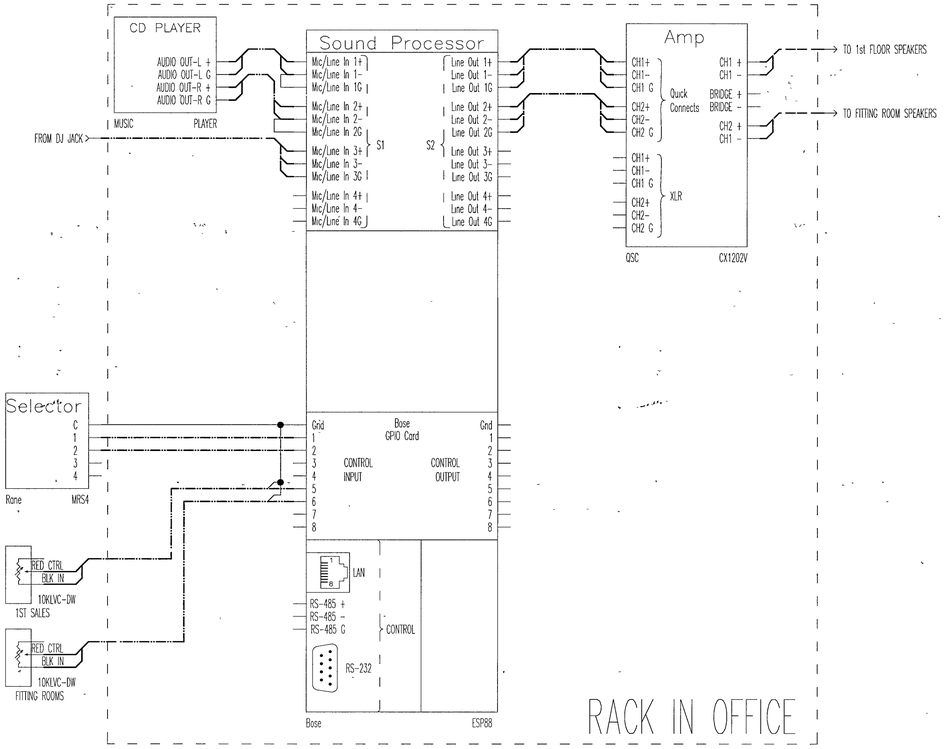
SHEET TITLE
SOUND SYSTEM PLAN

09-07-2010

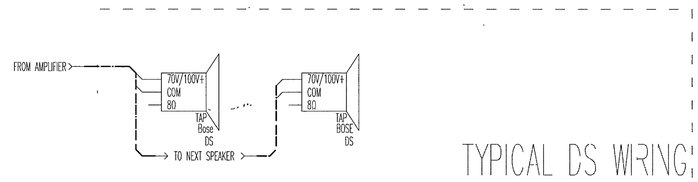
SHEET NO
V300



DJ JACK LOCATION

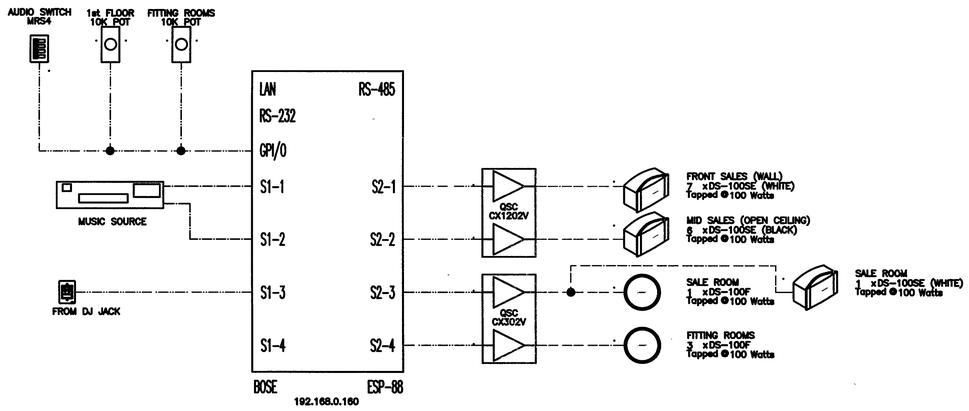


RACK IN OFFICE

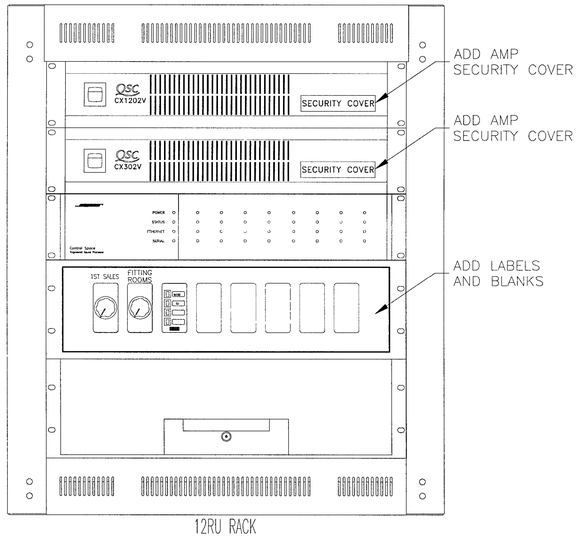


TYPICAL DS WIRING

A1 PLATE WIRING
V301 SCALE NONE



A2 SCHEMATIC
V301 SCALE NONE



A3 SPEAKER WIRING
V301 SCALE NONE

MAXIMUM SPL
ALL ZONES = 85dB (C-WEIGHTED SLOW)

MAXIMUM SPL SETUP PROCEDURE:

1. IN THE OFFICE:
   ROTATE ALL WALL MOUNTED VOLUME CONTROLS TO MAX SETTING.
2. AT THE RACK:
   ENSURE ALL QSC AMPLIFIERS HAVE THEIR GAIN ATTENUATORS SET TO MAXIMUM.
3. AT YOUR LAPTOP:
   ENSURE THAT CD PLAYER IS THE SELECTED SOURCE IN CONTROLSPACE AND MUSIC IS PLAYING. ADJUST THE INPUT GAINS USING THE CD LEFT AND CD RIGHT ("SLOT 1 IN1, SLOT 1 IN2") INPUT BLOCKS. VIEW LEVELS ON THE SIGNAL PRESENT METER AND ADJUST UNTIL THAT THEY ARE APPROXIMATELY -18dBFS.
4. ENSURE THAT AN IPOD IS PLAYING (VOLUME SHOULD BE ALMOST MAXED) AND ADJUST THE "SLOT1 IN3" INPUT LEVELS. VIEW LEVELS ON THE SIGNAL PRESENT METER AND ADJUST UNTIL THAT THEY ARE APPROXIMATELY -18dBFS.
5. MEASURE THE SPL IN THE ROOM AT SEVERAL LOCATIONS (C-WEIGHTED SLOW) USING AN SPL METER.
6. TO ADJUST THE MAXIMUM SPL DOUBLE-CLICK THE APPROPRIATE MAX GAIN BLOCK FOR THE ZONE BEING MEASURED. RAISE OR LOWER THE FADER AND REMEASURE UNTIL THE TARGET SPL IS REACHED.
7. A PARAMETRIC EQ FOR ROOM ACOUSTICS EQUALIZATION HAS BEEN PROVIDED AND SHOULD BE ADJUSTED TO COMPENSATE FOR UNWANTED SOUNDS OR TO IMPROVE SOUND QUALITY IN EACH ZONE.
8. AFTER ALL SETTINGS FOR MAX SPL HAVE BEEN ACHIEVED, LOWER THE VOLUME KNOBS TO A REASONABLE MORNING STARTUP LEVEL. THIS IS SO WHEN THE SYSTEM REBOOTS, THE STORE IS NOT TOO LOUD.
9. PRESS THE GO OFF-LINE BUTTON.
10. SELECT YES WHEN ASKED IF YOU WOULD LIKE TO STORE THE CURRENT SETTINGS TO FLASH MEMORY.
11. GO TO THE FILE MENU AND SELECT SAVE AS. KEEP THIS FILE FOR YOUR RECORDS AND EMAIL A COPY BACK TO THE FOLLOWING ADDRESS: probms@bose.com

B ONE LINE DIAGRAM
V301 SCALE NONE

C RACK ELEVATION
V301 SCALE NONE

D NOTES
V301 SCALE NONE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH. (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

BOSE®

ARCH PROJECT # 1121907
DRAWN BY

HM

ISSUE / DATE

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION

SHEET TITLE
SOUND SYSTEM SCHEMATICS

06-30-2011

SHEET NO :
V301

POINTS

1	PANEL TAMPER
2	REAR F/E DR
3	REAR F/E MTN
4	REAR OFFICE GB
5	REAR OFFICE MTN
6	SKYLIGHT #1
7	SALES GB #1 MTN
8	SALES GB #1
9	SALES GB #2
10	SKYLIGHT #2 60FT MTN
11	SKYLIGHT #3 35FT MTN
12	SKYLIGHT #4 LR MTN
13	SALES GB #3
14	SALES GB #4
15	SALES GB #5
16	SALES GB #6
17	SALES GB #7
18	FRONT DOORS
19	SALES GB #8
20	FRONT DOOR MTN

LEGEND

CP CONTROL PANEL	D7412GV2
KP KEYPAD/ANNUN	D1255
DC DOOR CONTACT	SR-1078CW
OHD HEAVY DUTY DOOR CONTACT	SR-2202AU
M 35 FT WALL MOTION	DS835
60 60 FT WALL MOTION	DS860
LR LONG RANGE WALL MOTION	DS778
M CEILING MOTION	VS-DISC
GB GLASS BREAK DETECTOR	CA-2200
S SIREN	WAVE2
REX REX MOTION	DS161

SECURITY GENERAL NOTES

SECURITY DRAWING ONLY ILLUSTRATES THE DIAGRAMMATIC LAYOUT OF CONDUIT RUNS AND BY NO MEANS IS AN ACCURATE REPRESENTATION OF THE ACTUAL LOCATIONS FOR CONDUIT INSTALLATION CONDUIT INSTALLATION WORK SHALL BE PERFORMED IN ACCORDANCE W/ URBAN DESIGN SPECIFICATION CONDUIT LAY SHALL BE APPROVED ON SITE BY URBAN IN ADVANCE OF INSTALLATION

ALL LOCATIONS OF MOTION SENSORS AND DOOR CONTACTS ARE TO BE FIELD DETERMINED AND COORDINATED WITH GENERAL CONTRACTOR ON SITE

CONTROL PANEL IS TO BE INSTALLED IN ELECTRICAL ROOM

KEYPAD MOUNTED AT 60" AFF LOCATE SIREN AT 8' AFF DIRECTLY ABOVE KEYPAD, REFER TO ARCHITECTURAL DRAWINGS

PHONES LINES AT D-MARK ELECTRICAL TO PROVIDE RECEPTACLE AT PANEL

WIRING AND CONDUIT

ALL WIRING AND CONDUIT ARE TO BE PROVIDED BY OTHER VENDORS VECTOR SECURITY DOES NOT PROVIDE ANY WIRING OR CONDUIT

EACH ZONE IS to be individually wired to control panel location Leave 10 ft slack above control panel location for each point

MULTIPLE WIRE RUNS MAY SHARE COMMON CONDUIT RUNS

ALL CONDUIT RUNS SHALL BE 3/4" EMT CONDUIT SHALL BE RUN FROM CONTROL PANEL TO EACH KEYPAD

PROVIDE 4" SQUARE J-BOXES W/ SINGLE GANG MUD RING @ 2" ABOVE TOP OF DOOR FRAME MOTIONS AND GLASS BREAKS RECIEVE A 4" SQUARE J-BOXES W/ SINGLE GANG MUD RING @ 8' AFF

EACH KEYPAD SHALL RECEIVE 22 GUAGE 4 CONDUCTOR STRANDED COPPER PLENUM RATED CABLE

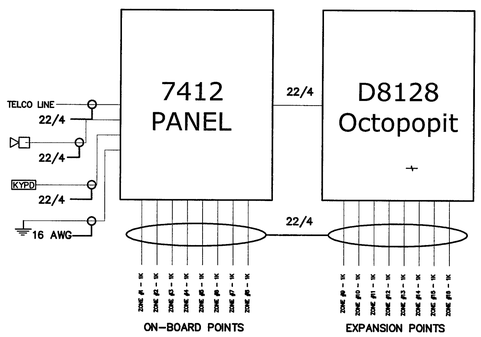
CONDUIT SHALL BE RUN FROM CONTROL PANEL TO EACH SIREN EACH SIREN SHALL RECEIVE 22 GUAGE 4 CONDUCTOR STRANDED COPPER PLENUM RATED CABLE IF WIRE RUN FOR SIREN EXCEEDS 250 FT, 18 GAUGE 4 CONDUCTOR WIRE SHOULD BE USED

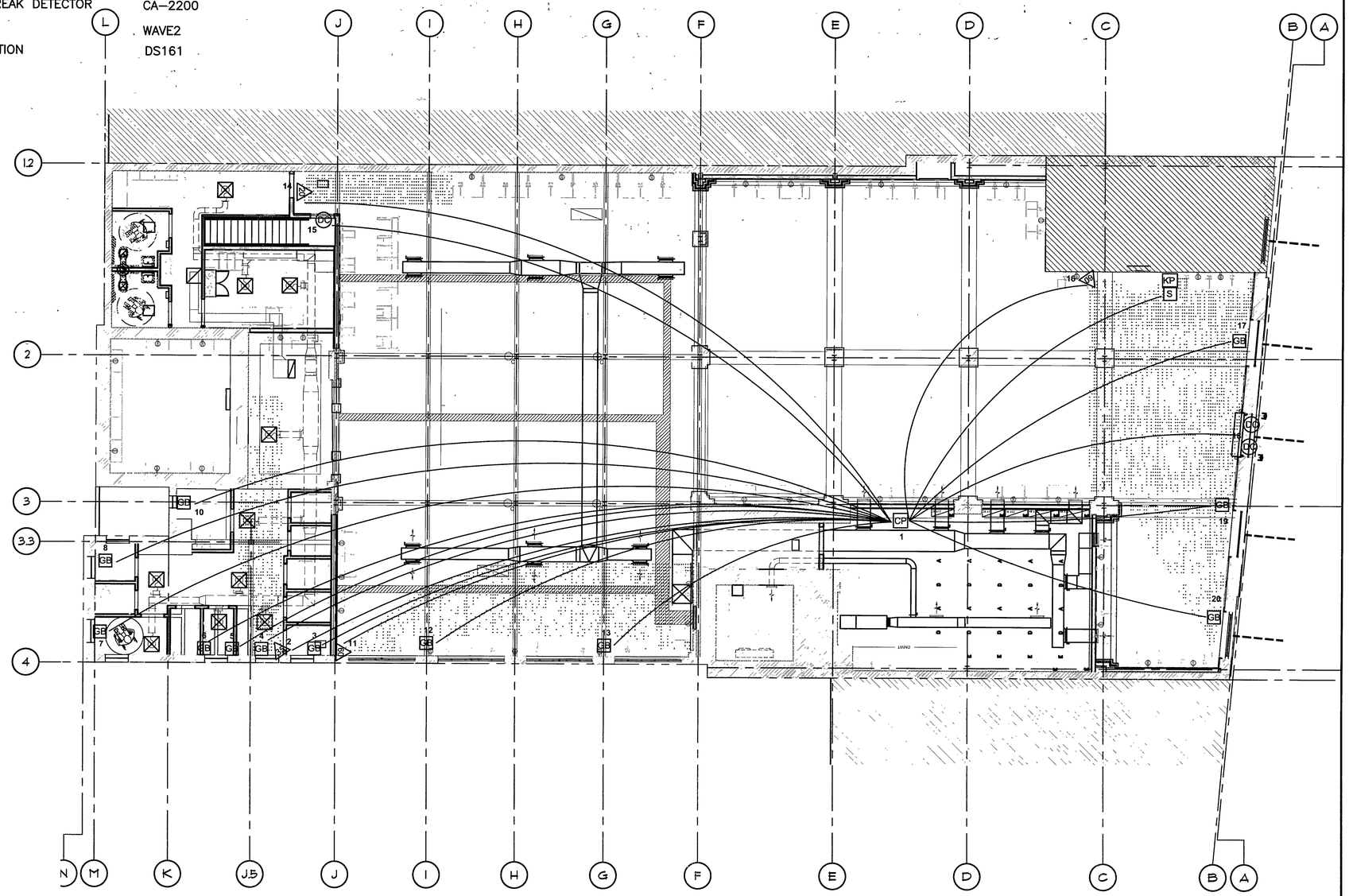
RJ31X PHONE JACK SHALL BE PROVIDED NEXT TO CONTROL PANEL

ELECTRICAL CONTRACTOR SHALL PROVIDE 110 VOLT 15 AMP RECEPTACLE NEXT TO CONTROL PANEL

NOTE SECURITY DRAWINGS ILLUSTRATE HARD-WIRED INSTALLATION ONLY

Octopopit DIP Switches					
Points	SW 1	SW2	SW 3	SW 4	SW 5
9 - 16	ON	ON	ON	ON	---





SECURITY SYSTEM FLOOR PLAN

SCALE 1/8"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
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PHILADELPHIA, PA 19112
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REVISION

SHEET TITLE
SECURITY SYSTEM
FLOOR PLAN

SHEET NO
V400

DESIGN

1 BUILDING CODE
- 2009 INTERNATIONAL BUILDING CODE

2 DEAD LOAD
- SEE PLAN

3 LIVE LOAD
- SEE PLAN

4 SNOW LOAD

- GROUND SNOW LOAD, Pg	= 50 PSF
- FLAT ROOF SNOW LOAD, Pf	= 35 PSF
- SNOW EXPOSURE FACTOR, Ce	= 1 0
- SNOW LOAD IMPORTANCE FACTOR, Is	= 1 0
- THERMAL FACTOR, Ct	= 1 0

5 WIND LOAD (ASCE-7)

- BASIC WIND SPEED (3-SECOND GUST)	= 100 MPH
- WIND IMPORTANCE FACTOR, Iw	= 1 0
- OCCUPANCY CATEGORY	= II
- WIND EXPOSURE CATEGORY	= B
- INTERNAL PRESSURE COEFFICIENT	= +/- 0 18
- COMPONENTS AND CLADDING PRESSURE (PSF)	

ZONE		EFFECTIVE AREA (SF)				
		10	20	50	100	500
ROOF	1	26 5	25 5	24 0	23 0	"
	2	31 9	29 8	26 9	24 8	"
	3	55 2	50 4	44 0	39 1	"
WALL	4	23 0	22 0	20 7	19 8	17 6
	5	28 3	26 4	23 9	22 0	"

6 SEISMIC LOAD

- SEISMIC IMPORTANCE FACTOR, Ie	= 1 0
- OCCUPANCY CATEGORY	= II
- Ss	= 0 314
- S1	= 0 077
- SITE CLASS	= D (ASSUMED)
- Sds	= 0 324
- Sd1	= 0 123
- SEISMIC DESIGN CATEGORY	= B
- SEISMIC ANALYSIS PROCEDURE	= EQUIVALENT LATERAL FORCE

DIRECTION	R	Cs	BASE SHEAR	SEISMIC FORCE RESISTING SYSTEM
X (PLAN E/W)	3	N/A	N/A	STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
Y (PLAN N/S)	3	N/A	N/A	STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

EXISTING CONDITIONS DISCLAIMER

1 A CURSORY SITE OBSERVATION WAS MADE TO ASCERTAIN TYPICAL ROOF FRAMING AND ALL CONSTRUCTION ACCESS TO THE STRUCTURE WAS LIMITED AND NO STRUCTURAL DRAWINGS OF THE EXISTING STRUCTURE WERE AVAILABLE NO INSPECTION OR TESTING HAS BEEN PERFORMED ON THE EXISTING STRUCTURE TO DETERMINE ITS AS-BUILT CONSTRUCTION OR CONDITION ASSUMPTIONS BASED ON THESE CURSORY SITE OBSERVATIONS (NOTED AS "EXISTING" ON STRUCTURAL DRAWINGS) MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO EXECUTING WORK INCLUDED IN THIS SCOPE OF STRUCTURAL CONTRACT DOCUMENTS THESE VERIFICATIONS MAY REQUIRE THE ALTERATION, DAMAGE OR DESTRUCTION OF DESIRABLE AND OTHERWISE SERVICEABLE BUILDING COMPONENTS ALTERATION, DAMAGE OR DESTRUCTION OF SAID COMPONENTS SHALL NOT CONSTITUTE THE BASIS OF CLAIMS AGAINST PHILLIPS PARTNERSHIP THE OWNER AND GENERAL CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS PHILLIPS PARTNERSHIP FROM ALL SUCH CLAIMS DISCOVERY OF VARIATIONS FROM THESE ASSUMPTIONS MAY REQUIRE ADDITIONAL DESIGN SERVICES BY PHILLIPS PARTNERSHIP WHICH WILL BE BILLED AT THE HOURLY RATE PER RATE SCHEDULE INCLUDED IN CONTRACT

2 THE GENERAL CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN ASSUMPTIONS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT/ENGINEER

SUBMITTALS

1 STRUCTURAL DRAWINGS GIVE REPRESENTATIVE DETAILS AND ARE NOT INTENDED TO SHOW ALL CONDITIONS THAT MAY BE PRESENT SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS AS INDICATED IN THE PROJECT DOCUMENTS

2 CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTAL DATES TO ARCHITECT AT LEAST 30 DAYS PRIOR TO FIRST SUBMITTAL FAILURE TO SUBMIT DRAWINGS ON DESIGNATED DATE MAY IMPACT REVIEW SCHEDULE.

3 ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED

A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST
B THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED

4 REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS

5 COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL FABRICATED AND SPECIALTY BUILDING COMPONENTS INCLUDING (BUT NOT LIMITED TO) PRECAST CONCRETE, COLD-FORMED METAL FRAMING, GUARDRAILS, SKYLIGHTS, CANOPIES, WINDOW SYSTEMS, AND STAIRS SHOP DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT STATE

6 ALL APPROVED SUBMITTALS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, SHALL BE MADE AVAILABLE ON THE JOBSITE FOR REVIEW BY THE INSPECTOR

7 REPRODUCTION OF CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS IS NOT PERMITTED

MISCELLANEOUS

1 THE FOLLOWING NOTES APPLY TO ALL PROJECT RELATED STRUCTURAL DRAWINGS THIS INCLUDES THESE DRAWINGS, FIELD SKETCHES AND RESPONSES TO REQUESTS FOR INFORMATION (RFI), UNLESS NOTED OTHERWISE

2 THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

3 STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS CONTRACTOR IS RESPONSIBLE FOR COORDINATING PERTINENT ASPECTS OF ALL DISCIPLINES INTO THEIR SHOP DRAWINGS AND WORK, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS

4 NO OPENINGS OR MODIFICATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT

5 NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT

6 THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY BRACING AND SHORING THAT MAY BE REQUIRED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURAL FRAMING APPLIED CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF ANY STRUCTURAL BUILDING ELEMENT

7 THE CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION LIFECYCLE

8 DO NOT SCALE THESE DRAWINGS - USE DIMENSIONS PROVIDED FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, SEE ARCHITECTURAL DRAWINGS

9 THE CONTRACTOR SHALL INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD, REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION

10 WHERE A SECTION OR DETAIL IS CUT ON THE PLAN, IT IS UNDERSTOOD TO BE REPRESENTATIVE OF ALL LIKE OR SIMILAR CONDITIONS THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK

11 AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY THE ARCHITECT'S OR ENGINEER'S PRESENCE AT THE JOB SITE OR REVIEW OF WORK DOES NOT IMPLY CONFIRMATION OF THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLIANCE WITH OSHA REGULATIONS

12 CONSULT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION, SIZES, AND EXTENT OF CHASES, INSERTS, RECESSES, RIDGES, FINISHES, DEPRESSIONS, ETC , NOT SHOWN ON THE STRUCTURAL DRAWINGS

13 THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD IN WRITING OF ALL CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL DRAWINGS

14 STRUCTURAL CONTRACT DOCUMENTS SHALL NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR ANY MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR OR SUBCONTRACTOR

15 REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AND PUBLISHED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE

16 SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND LOCATION OF DEPRESSED FLOOR AREAS THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS

17 PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS OPENINGS 1'-4" IN WIDTH OR LENGTH (AND LESS) ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL REQUIRED OPENINGS ALL MECHANICAL OPENING LOCATIONS, UNIT OPERATING WEIGHTS, AND SIZES SHALL BE VERIFIED WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL

18 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN ORDER TO COMPLY WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS

CONCRETE

1 ALL CONCRETE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318-05 AND ACI 301-05

2 CEMENT USED SHALL BE TYPE I OR III CONFORMING TO ASTM C-150 CONCRETE SHALL DEVELOP A MINIMUM 28 DAY STRENGTH AND DENSITY AS FOLLOWS

	STRENGTH (PSI)	DENSITY (PCF)
INTERIOR SLAB ON GRADE	3000	145 - 150
FOOTINGS & WALLS	3000	145 - 150

3 AGGREGATE SHALL BE WELL GRADATED AND SHALL CONFORM TO THE FOLLOWING

WALLS, FOOTINGS AND SLAB ON GRADE (DENSITY 145 - 150 PCF)	1" COARSE AGGREGATE (ASTM C-33)

4 CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW IN ADVANCE OF CONCRETE PLACEMENT CONCRETE MIX DESIGN SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS BY EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD AND SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE RESULTS OF ALL COMPRESSIVE STRENGTH TESTS SHALL BE MADE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE INSPECTOR

5 ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE

6 NO ADDITIONAL WATER SHALL BE ADDED TO CONCRETE AT THE JOB SITE

7 AT LOCATIONS WHERE NEW CONCRETE IS PLACED ADJACENT TO EXISTING CONCRETE, ROUGHEN AND CLEAN INTERFACE AND APPLY BONDING AGENT (SIKADUR 32 HI-MOD OR APPROVED EQUAL)

8 PROVIDE MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE

#11 BARS AND SMALLER
3/4 INCHES
UNFORMED SURFACE IN CONTACT WITH THE GROUND
3 INCHES
BASEMENT WALLS
2 INCHES (EXTERIOR)
3/4 INCHES (INTERIOR)
FORMED SURFACES EXPOSED TO EARTH OR WEATHER
2 INCHES (#6 BARS AND LARGER)
1-1/2 INCHES (#5 BARS AND SMALLER)
FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER
1-1/2 INCHES (BEAMS, GIRDERS, AND COLUMNS)
3/4 INCH (SLABS, WALLS, AND JOISTS)

9 SLAB-ON-GRADE SHALL BE SAW CUT IMMEDIATELY AFTER CONCRETE HARDENS CONTRACTOR TO SUBMIT LAYOUT AND CONSTRUCTION SCHEDULE ("SOFT-CUT" INTERNATIONAL OR SIM) SLAB ON GRADE SHALL CONFORM THE FOLLOWING

OVERALL / AVERAGE VALUES	F(F) 35 / F(L) 25
MINIMUM LOCAL VALUES	F(F) 24 / F(L) 17

10 PLACEMENT OF CONCRETE, COLD WEATHER AND HOT WEATHER PRECAUTIONS, MATERIAL AND PROPORTIONING REQUIREMENTS, REBAR COVER AND DETAILING SHALL CONFORM TO REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318-05

11 REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR SLAB FINISHES, SLAB DEPRESSIONS, ELEVATIONS AND ENCASED OR EMBEDDED ITEMS

12 PIPES AND CONDUITS EMBEDDED IN CONCRETE SHALL CONFORM TO THE FOLLOWING REQUIREMENTS

A NO MATERIAL HARMFUL TO CONCRETE (SUCH AS, BUT NOT LIMITED TO, ALUMINUM) IS PERMITTED
B NO EMBEDMENT OR PENETRATION WHICH IMPAIRS THE STRUCTURAL STRENGTH OR INTEGRITY IS PERMITTED
C CONDUITS AND PIPES SHALL NOT HAVE A DIAMETER THAT EXCEEDS 1/3 THE OVERALL THICKNESS OF THE STRUCTURAL ELEMENT IN WHICH THEY ARE EMBEDDED
D MINIMUM CENTER TO CENTER SPACING SHALL NOT BE CLOSER THAN 3 DIAMETERS OR WIDTHS
E PLACEMENT SHALL OCCUR ABOVE BOTTOM LAYER OF REINFORCEMENT AND BELOW TOP LAYER OF REINFORCEMENT AND SHALL NOT CAUSE REINFORCEMENT TO BE CUT, BENT OR DISPLACED IN ANY MANNER
F PLACEMENT SHALL MAINTAIN A MINIMUM CLEARANCE FROM REINFORCEMENT OF 3 REINFORCING BAR DIAMETERS OR 3/4" FROM WELDED WIRE FABRIC REINFORCEMENT
G PLUMBING AND ELECTRICAL CONDUITS SHALL BE PLACED BELOW SLAB ON GRADE

13 UNLESS NOTED OTHERWISE, PROVIDE CONSTRUCTION JOINTS IN SLABS ON GRADE AT APPROXIMATELY 50 FEET IN EACH DIRECTION PROVIDE CONTROL JOINTS IN SLABS ON GRADE NOT TO EXCEED 15 FEET ON CENTER IN EACH DIRECTION, UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER

14 FORMING SHALL BE OF WOOD, STEEL, OR FIBERGLASS OF SATISFACTORY QUALITY AND CONDITION

15 NO ADMIXTURES SHALL BE ADDED TO THE CONCRETE UNLESS APPROVED BY THE ENGINEER

16 REINFORCING SHALL CONFORM TO ASTM A615, GR60 UNLESS NOTED OTHERWISE

17 WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 GRADE 60

18 REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED IN ACCORDANCE WITH ACI 315-99 (MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES) AND CRSI MSP-1 "MANUAL OF STANDARD PRACTICE", LATEST EDITION

19 ALL "CONTINUOUS" REINFORCEMENT SHALL HAVE MINIMUM LAP OF "B" TYPE (ACI 318-05, SECTION 12 15 1) AT SPLICES UNLESS NOTED OTHERWISE

20 PROVIDE REINFORCING CHAIRS FOR ALL SLAB-ON-GRADE REINFORCING WELDED WIRE FABRIC (WWF) REINFORCING SHALL NOT BE "PULLED UP" DURING PLACEMENT

21 SUBMIT REINFORCING PLACEMENT AND DETAIL (SHOP) DRAWINGS FOR REVIEW NO REINFORCING BARS SHALL BE INSTALLED UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND RETURNED

22 ALL REINFORCING SHALL BE SUPPORTED IN FORMS SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE", LATEST EDITION

23 WHERE WELDED WIRE FABRIC (WWF) REINFORCEMENT IS SPECIFIED IN SLABS ON GRADE PLACEMENT SHALL BE 1" BELOW TOP OF SLAB OVERLAP EACH REINFORCING SHEET TWO FULL PANELS AND TIE CROSS WIRES ON EACH SIDE

CONCRETE (CONTINUED)

24 SCHEDULED OR DETAILED REINFORCING STEEL SHALL NOT BE TACK WELDED FOR ANY REASON WELDED REINFORCING STEEL AND/OR SPLICES ARE PERMITTED ONLY WHERE SHOWN ON DRAWINGS WHERE WELDING IS PERMITTED IT SHALL CONFORM TO AWS D1 4, STRUCTURAL WELDING CODE - REINFORCING STEEL

25 BASE PLATES, ANCHOR RODS, SUPPORT ANGLES, ETC BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 4" OF CONCRETE

26 WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF HORIZONTAL STEEL REINFORCING, UNLESS NOTED OTHERWISE

27 WHERE DOWELS, BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE OR PRECAST CONCRETE ELEMENTS USING EPOXY ADHESIVES, USE ANCHORAGE SYSTEM EQUAL TO HILTI HIT DOWELING (HY-150 MAX) FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS ALTERNATE ANCHORAGE SYSTEMS MAY BE PERMITTED WITH STRUCTURAL ENGINEER'S APPROVAL

COLD FORM METAL FRAMING (METAL STUDS)

1 METAL STUDS SHALL BE DESIGNED, FABRICATED, AND ERECTED PER "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" FOR ALL APPLICABLE LOADS PER IBC 2009 AND FOR ALL OTHER IMPOSED LOADS FROM MECHANICAL EQUIPMENT, ETC

2 ALL 43 MIL MATERIAL (AND LESS) SHALL HAVE A MINIMUM YIELD OF 33,000 PSI (UNLESS NOTED OTHERWISE) ALL 54 MIL MATERIAL (AND GREATER) SHALL HAVE A MINIMUM YIELD OF 50,000 PSI (UNLESS NOTED OTHERWISE)

3 THE CONTRACTOR SHALL SUBMIT THE FOLLOWING

A SHOP DRAWINGS AND CALCULATIONS FOR ALL COMPONENTS AND INSTALLATIONS NOT FULLY DIMENSIONED OR DETAILED IN MANUFACTURER'S PRODUCT DATA SHOP DRAWINGS AND CALCULATIONS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT STATE
B PRODUCT CATALOG WITH SECTION AND MATERIAL PROPERTIES OF ALL MATERIAL

4 ALL STUDS AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A HOT-DIPPED, GALVANIZED COATING MEETING ASTM A653 G60 AND C955, UNO

5 INSTALLATION

A TRACKS - INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS ALIGN TRACKS ACCURATELY TO LAYOUT AT BASE AND TOPS OF STUDS SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER PROVIDE FASTENERS AT CORNERS AND END OF TRACKS
B ALL STUDS - SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY SCREW FASTENING AT BOTH INSIDE AND OUTSIDE FLANGES ATTACH STUDS WITH SLIP-TRACK CONNECTION TO UNDERSIDE OF BEAMS TO ALLOW 1" VERTICAL DEFLECTION OF STEEL BEAM (NOT APPLICABLE IN LOAD BEARING APPLICATIONS) AT LOAD BEARING APPLICATIONS, SLIP-TRACK CONNECTION SHALL ACCOMMODATE A DEFLECTION OF BEAM SPAN DIVIDED BY 240
C SUPPLEMENTARY FRAMING - PROVIDE BLOCKING AND BRACING IN METAL FRAMING SYSTEM WHEREVER WALL OR PARTITIONS ARE INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICE CASEWORK, HEAVY TRIM AND FURNISHINGS, AND SIMILAR WORK REQUIRING ATTACHMENT TO THE WALL OR PARTITION WHERE TYPE OF SUPPLEMENTARY SUPPORT IS NOT OTHERWISE INDICATED, COMPLY WITH STUD MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS IN EACH CASE, CONSIDERING WEIGHT OR LOADING RESULTING FROM ITEM SUPPORTED
D WALL OPENINGS - OPENINGS LARGER THAN 2 FEET SQUARE TO BE FRAMED WITH A MINIMUM OF DOUBLE STUDS AT EACH JAMB OR FRAME EXCEPT WHERE MORE ARE REQUIRED
E ALL MEMBERS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO SUPPORTING MEMBERS

6 ALL SCREWS SHALL BE NON CORROSIVE NO 12-14 STANDARD SELF DRILLING SCREWS UNLESS NOTED OTHERWISE ON DRAWINGS (DO NOT USE STAINLESS STEEL OR COPPER COATED FASTENERS)

7 ALL SCREWS SHALL HAVE A MINIMUM EDGE DISTANCE OF 1" UNLESS NOTED OTHERWISE ON DRAWINGS

8 ALL SCREWS SHALL BE A MINIMUM OF 1" ON CENTER UNLESS NOTED OTHERWISE ON DRAWINGS

9 ALL LOAD BEARING WALLS SHALL HAVE WALL BRIDGING AT 4'-0" OC MAXIMUM

10 THE QUANTITY OF STUDS AND JOISTS DISPLACED OR CUT FOR OPENINGS SHALL BE PLACED HALF ON EACH SIDE OF THE OPENING PER THE METAL STUD HEADER SCHEDULE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

STATE OF MAINE
WALDEMAR E DEL VALLE
No. 12642
REGISTERED PROFESSIONAL ENGINEER
4/22/11

ARCH PROJECT # 1121907
DRAWN BY

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SHEET TITLE

GENERAL NOTES

SHEET NO.

S001

FOUNDATIONS.

1 SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING AN ASSUMED NET ALLOWABLE BEARING PRESSURE OF 2 0 KSF FOR INDIVIDUAL COLUMN FOOTINGS AND 2 0 KSF FOR CONTINUOUS WALL FOOTINGS UNDER FULL SERVICE LIVE AND DEAD LOAD FOUNDATIONS ABUTTING EXISTING STRUCTURES SHALL BEAR ON SOIL CAPABLE OF SUSTAINING AN ASSUMED NET ALLOWABLE BEARING PRESSURE OF 2 0 KSF

2 THE SITE SHALL BE PREPARED IN ACCORDANCE WITH CIVIL DRAWINGS, PROJECT SPECIFICATIONS A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT ANY VARIATIONS OR DISCREPANCIES TO THE ENGINEER

3 THE FOOTINGS HAVE BEEN POSITIONED AT THE ESTIMATED ELEVATION WHICH WILL PROVIDE SUITABLE BEARING HOWEVER, IF ADEQUATE BEARING CAPACITY IS NONEXISTENT AT THESE ESTIMATED ELEVATIONS, THE FOOTING SHALL BE LOWERED TO AN ELEVATION WHERE THE PRESCRIBED SAFE BEARING CAPACITY EXISTS (AS RECOMMENDED BY A QUALIFIED GEOTECHNICAL ENGINEER)

4 FOOTINGS MAY BE CAST INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT

5 EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE

6 IN AREA OF THE BUILDING, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE REMOVED ANY FILL MATERIAL REQUIRED AT THE SITE SHALL BE OF A SIMILAR TYPE SOIL THAT IS PRESENT AT THIS SITE AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER ROCKS GREATER THAN 6 INCHES SHALL BE EXCLUDED FROM STRUCTURAL FILL LIFTS FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NO GREATER THAN 12 INCHES IN DEPTH AND SHALL BE COMPACTED TO AT LEAST 95% OF THE MATERIALS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED COMPACTION TEST (ASTM D1557) THE UPPER 12" OF FILL BENEATH STRUCTURAL AREAS SHOULD BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY ADEQUATE FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY TO ENSURE COMPLIANCE

7 FOOTING CONCRETE SHALL BE CAST ON THE SAME DAY THE EXCAVATION IS APPROVED IF THE BEARING SURFACE IS ALLOWED TO BECOME DISTURBED IN ANY WAY, IT SHALL BE REWORKED TO THE SATISFACTION OF AN INDEPENDENT TESTING AGENCY PRIOR TO CASTING OF THE CONCRETE

8 ALL EXCAVATIONS AND STRUCTURE BEARING PADS SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL

9 BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 3'-6" BELOW FINAL GRADE FOR FROST PROTECTION

10 NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2 1 (2 HORIZONTAL TO 1 VERTICAL) TO A FOOTING PROVIDE SHORING AND PROTECTION FOR EXCAVATION BANKS AS NECESSARY TO PRESERVE SAFETY AND PREVENT CAVING

11 ALL BEARING STRATA SHALL BE ADEQUATELY DRAINED BEFORE FOUNDATION CONCRETE IS PLACED

12 BACKFILL AGAINST WALLS SHALL BE PLACED IN 8" LIFTS AND SHALL BE DEPOSITED EVENLY AGAINST EACH SIDE OF WALL UNTIL THE LOWER FINAL GRADE IS REACHED BACKFILL SHALL NOT BE PLACED AGAINST WALLS DEPENDENT UPON TOP AND BOTTOM SLABS/FOUNDATION FOR SUPPORT UNTIL SUCH SLABS HAVE ATTAINED MINIMUM SUFFICIENT BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION PROCESS RETAINING WALLS ARE NOT DESIGNED TO CANTILEVER AT ANY TIME UNLESS EXPLICITLY NOTED ON DRAWINGS

13 THE CONTRACTOR SHALL PROVIDE AN ADEQUATE DRAINAGE SYSTEM FOR ALL BACKFILL CONDITIONS PER CIVIL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS

14 COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION

15 THERE SHALL BE NO HORIZONTAL OR VERTICAL CONSTRUCTION JOINTS IN ANY FOOTING WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER

STRUCTURAL STEEL

DESIGN CODE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION "STEEL CONSTRUCTION MANUAL, THIRTEENTH EDITION-SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC)

1 STEEL SHALL CONFORM TO THE FOLLOWING GRADES

STRUCTURAL W-SHAPES	ASTM A992 (Fy = 50ksi)
ALL CHANNELS, ANGLES, PLATES, ETC. (UNO)	ASTM A36 (Fy = 36ksi)
STRUCTURAL TUBES	ASTM A500 GRADE B (Fy = 46ksi)
STEEL PIPE	ASTM A501 (Fy = 36ksi)
ANCHOR RODS	ASTM F1554 (Fy = 36ksi)
HIGH STRENGTH BOLTS	ASTM A325
HEX NUTS - GRADE A	ASTM A563
WELDING ELECTRODES	E70xx HARDENED STEEL
WASHERS - TYPE I	ASTM F436

2 ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (2005) EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS

3 THE STEEL STRUCTURE IS A NON-SELF-SUPPORTING STEEL FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE ROOF FRAMING AND BRACING SYSTEM AND ATTACHMENT TO THE EXTERIOR STEEL ELEMENTS WITH MASONRY WALLS INFILL FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THESE ELEMENTS ARE COMPLETE AND ARE CAPABLE OF PROVIDING THIS SUPPORT

4 THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS CONNECTIONS SHOWN ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN ONLY AS THEY ARE DEEMED APPROPRIATE AND ADEQUATE BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2004 "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS"

5 SPLICING OF STEEL MEMBERS UNLESS SHOWN ON THE DRAWINGS IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT

6 NO HOLES SHALL BE CUT IN ANY STEEL ELEMENT UNLESS THEY ARE DETAILED ON THE DRAWINGS

7 UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY ANCHOR BEAMS TO MASONRY WITH TWO 5/8" DIAMETER ANCHOR RODS WITH 1'-0" EMBEDMENT INTO GROUT FILLED MASONRY

8 WHERE BEAMS INTERSECT AT THE TERMINATING ELEVATION OF A COLUMN, THE BEAM WITH THE GREATEST REACTION SHALL BEAR ON TOP OF THE COLUMN WHERE BEAMS INTERSECT AT THE INTERMEDIATE ELEVATION OF A COLUMN, THE FRAMING BEAMS SHALL BE CONNECTED TO THE COLUMNS WITH A WT CONNECTION FIN PLATE CONNECTIONS ARE NOT PERMITTED

9 CONNECTIONS FOR NON-COMPOSITE BEAMS WHICH CANNOT CONFORM TO AISC TYPICAL CONNECTION DETAILS SHALL BE DETAILED IN ACCORDANCE WITH THE FOLLOWING

A WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE DESIGNED FOR ONE-HALF THE MAXIMUM UNIFORM LOAD WHICH THE BEAM WILL SUPPORT (AS SIMPLE SPAN) FOR THE SPAN SHOWN ON THE DRAWINGS
B WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING THE CONNECTION
C WHERE CONNECTIONS SUPPORT BEAMS WHICH ARE SUBJECT TO CONCENTRATED LOADS, SUCH CONCENTRATED LOADS SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING THE CONNECTION
D BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH A325 BOLTS MINIMUM DIAMETER OF ALL BOLTS SHALL BE 3/4", MAX DIA 1 1/8" PROVIDE AT LEAST 2 BOLTS PER CONNECTION TIGHTENED "SNUG TIGHT"
E END CONNECTIONS OF FLOOR MEMBERS SHALL ACCOMMODATE END ROTATIONS OF SIMPLE, UNRESTRAINED BEAMS FOR THIS PURPOSE, INELASTIC ACTION IN THE CONNECTION IS PERMITTED
F COPED OR CUT ENDS OF MEMBERS SHALL BE REINFORCED WHERE REQUIRED TO SUSTAIN THE SPECIFIED REACTIONS

10 TENSILE CONNECTIONS SHALL BE DESIGNED FOR A FORCE RESULTING FROM MULTIPLYING THE GROSS AREA BY 20 KSI

11 FABRICATE AND ERECT MEMBERS WITH NATURAL CAMBER UP

12 UNLESS OTHERWISE SHOWN ON DRAWINGS, SIZE OF WELDS SHALL NOT BE SMALLER THAN 3/16" ALL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1 1, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE

13 THE CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST, ALL ADDITIONAL STEEL CONNECTIONS, GUYING, ETC REQUIRED FOR ERECTION

14 OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK PRIOR TO DETAILING PRECISE MEASUREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR

15 THE FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND FOR THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.

16 WELDING INSPECTION SHALL MEET REQUIREMENTS AS STATED IN THE SCHEDULE OF SPECIAL INSPECTIONS

17 PRIMED STEEL CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE WHICH STEEL IS PRIMED OR NOT PRIMED STEEL TO BE PRIMED SHALL RECEIVE ONE COAT OF RUST INHIBITING PRIMER STEEL NOT PRIMED SHALL RECEIVE "NATURAL FINISH" AS SPECIFIED IN FINISH SCHEDULE

18 STEEL AND COLUMN BASE PLATES SHALL HAVE A MINIMUM 4" CONCRETE COVER PROTECTION

19 SEE ARCHITECTURAL CONTRACT DOCUMENTS FOR REQUIREMENTS REGARDING ARCHITECTURALLY EXPOSED STRUCTURAL STEEL ALL EXPOSED WELDED CONNECTIONS SHALL NOT BE GROUND SMOOTH AND SHALL BE LEFT NATURAL ALL WELDS ARE SUBJECT TO APPROVAL BY ARCHITECT FABRICATOR SHALL ALTER JOINT AS NECESSARY TO MAINTAIN MINIMUM REQUIRED EFFECTIVE THROAT

WOOD FRAMING

1 ALL WOOD DESIGN AND CONSTRUCTION SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (ANSI/AF&PA NDS-2005) AND RELATED SUPPLEMENTS

2 UNLESS NOTED, USE SOUTHERN PINE (E=1600 KSI MIN), 19% MAX MOISTURE CONTENT, AS FOLLOWS

BEAMS & HEADERS	No 2
LOAD BEARING STUDS (INTERIOR & EXTERIOR)	No 2
NON-LOAD BEARING STUDS (EXTERIOR)	No 2
NON-LOAD BEARING STUDS (INTERIOR)	STUD GRADE
JOISTS & PURLINS	No 2
PLATES, BLOCKING & SUB-PURLINS	No 2

3 ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR SOIL OR PERMANENTLY EXPOSED TO WEATHER SHALL BE PRESSURE TREATED

4 AT STUD WALL OPENINGS, THE TOTAL NUMBER OF DISPLACED AND/OR CUT STUDS SHALL BE INSTALLED AND ATTACHED TO THE JAMBS, ONE-HALF OF THE TOTAL TO EACH SIDE OF THE OPENING (TOTAL NUMBER INCLUDING JACK AND KING STUDS)

5 METAL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS SO THAT THE MAXIMUM PUBLISHED CAPACITY IS DEVELOPED

6 WHERE NO CONNECTION IS INDICATED ON THE DRAWINGS, ATTACHMENT SHALL BE MADE IN ACCORDANCE TO TABLE 2304 9 1 FASTENING SCHEDULE IN THE INTERNATIONAL BUILDING CODE

7 ALL CONNECTORS SHALL BE G90 GALVANIZED STEEL, EXCEPT CONNECTORS IN CONTACT WITH PRESSURE TREATED, FIRE-RETARDANT OR WOLMANIZED WOOD SHALL BE COATED WITH G185 ZINC COATING

8 FURNISH BOLTS AND ANCHOR RODS WITH STANDARD NUT WASHER

9 TOE NAILS SHALL BE DRIVEN AT A 30° ANGLE RELATIVE TO PIECE START NAIL AT ONE-THIRD NAIL LENGTH FROM THE END OF PIECE

10 ALL LOAD BEARING STUD WALLS (INTERIOR & EXTERIOR) SHALL HAVE CONTINUOUS HORIZONTAL BLOCKING AT 4'-6" O C (MAX) VERTICALLY PRIOR TO APPLYING ANY LOADS (INCLUDING FRAMING FOR FLOORS ABOVE)

11 WHERE (2)-2x AND (2)-2x + 1/2" PLYWOOD PLATE BEAMS ARE DESIGNATED, SPIKE PLATES TOGETHER WITH 12d NAILS @ 12" O C , 1" FROM TOP AND 1" FROM BOTTOM OF PLATE

12 WHERE (3)-2x AND LARGER BEAMS ARE DESIGNATE, PLATES SHALL BE BOLTED TOGETHER WITH 1/2"Ø BOLTS @ 30" O C , 1 1/2" FROM TOP AND BOTTOM BOLTS SHALL HAVE MINIMUM BENDING YIELD (Fyb) OF 45,000 PSI

13 WHERE STUD PACK WOOD COLUMNS ARE DESIGNATED, SPIKE STUDS TOGETHER WITH 16d NAILS @ 12" O C (VERTICALLY)

14 STUD PACK OR SOLID SAWN WOOD COLUMNS SHALL BE CONTINUOUS FROM LOCATION SHOWN TO THE FOUNDATION BLOCK FLOOR CAVITY SOLID BELOW WOOD COLUMN (WIDTH EQUAL TO WOOD COLUMN) TO ACHIEVE CONTINUITY

15 FINGER-JOINTED LUMBER IS NOT PERMISSIBLE

16 STRUCTURAL ELEMENTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING UNLESS METAL OR WOOD SIDE PLATES ARE PROVIDED TO STRENGTHEN THE MEMBER PENETRATIONS IN FLOOR AND WALL SHEATHING IS PERMITTED PROVIDED THAT 2x BLOCKING IS INSTALLED AT OPENING PERIMETER (FOR OPENINGS LARGER THAN 10" IN LENGTH/DIAMETER) AND WALL FRAMING IS NOT INTERRUPTED

17 DOUBLE TOP PLATES ((2)-2x) AT ALL WALLS SHALL BE LAPPED AT CORNERS AND INTERSECTIONS AND FASTENED IN ACCORDANCE WITH TABLE 2304 9 1 FASTENING SCHEDULE IN THE INTERNATIONAL BUILDING CODE, UNLESS NOTED OTHERWISE OFFSET DOUBLE PLATE END JOINTS 24" (MIN)

18 WALL SHEATHING NOTED ON STRUCTURAL DRAWINGS SHALL BE ATTACHED DIRECTLY TO THE FACE OF FRAMING MEMBERS SEE ARCHITECTURAL DRAWINGS FOR ALL NON-STRUCTURAL SHEATHING REQUIREMENTS WHERE ARCHITECTURAL DRAWINGS REQUIRE ADDITIONAL SHEATHING, SUCH SHEATHING SHALL BE ATTACHED TO THE OUTSIDE FACE OF STRUCTURAL SHEATHING

19 EXTERIOR WALLS WITH NO STRUCTURAL SHEATHING INDICATED ON STRUCTURAL DRAWINGS SHALL HAVE 1/2" PLYWOOD OR OSB SHEATHING, AND SHALL BE ATTACHED TO INTERMEDIATE SUPPORTS WITH 10d NAILS @ 12" O C AND AT PANEL EDGES WITH 10d NAILS @ 6" O C

20 ANCHOR ALL EXTERIOR, INTERIOR LOAD BEARING AND SHEAR WALLS TO ANCHOR RODS OR EPOXY ANCHORS PER STRUCTURAL DRAWINGS OTHER WALLS (WALLS NOT ON THICKENED SLABS OR TURNDOWNS) SHALL BE ANCHORED TO SLAB USING POWDER ACTUATED FASTENERS WITH 0 144"Ø AND EMBEDMENT OF 3/4"AT 12" O C (MAX)

21 PROVIDE ONE ROW OF BRIDGING FOR EACH 8'-0" LENGTH OF ROOF FRAMING MEMBERS

PLYWOOD ROOF DECKING

1 DECKING SHALL BE 5/8" APA-CDX RATED PLYWOOD SHEATHING 32/16 (EXPOSURE 1)

2 ORIENT LONG SIDE OF PANEL PERPENDICULAR TO SUPPORT END JOINT SHALL BE ALIGNED WITH THE MIDPOINT OF THE TWO ADJACENT PANELS NO CONTINUOUS PANEL JOINTS ARE PERMITTED PANELS SHALL BE CONTINUOUS OVER TWO OR MORE SPANS (NO SINGLE SPAN CONDITIONS)

3 ATTACHMENT OF PANEL TO LIGHT GAUGE METAL FRAMING MEMBERS SHALL BE NO 6, S-12 SCREWS AT THE FOLLOWING SPACINGS, UNLESS OTHERWISE NOTED
- 6" AT ROOF PERIMETER
- 6" AT PANEL EDGES
- 12" AT INTERMEDIATE SUPPORTS

4 ATTACHMENT OF PANEL TO WOOD FRAMING MEMBERS SHALL BE 8d NAILS AT THE FOLLOWING SPACINGS, UNLESS OTHERWISE NOTED
- 6" AT ROOF PERIMETER
- 6" AT PANEL EDGES
- 12" AT INTERMEDIATE SUPPORTS

5 EDGE SUPPORTS SHALL BE PROVIDED AS RECOMMENDED BY THE AMERICAN PLYWOOD ASSOCIATION (APA) BY USE OF PANEL CLIPS OR WOOD BLOCKING BETWEEN JOISTS OR TRUSSES PANEL END JOINTS SHALL OCCUR OVER FRAMING PANELS SHALL BE BLOCKED AT PERIMETER OF ROOF AND AT DIRECTIONAL CHANGES

LAMINATED VENEER LUMBER (MICROLAM)

1 LAMINATED VENEER LUMBER SHALL BE MICROLAM 1 9E LVL AS MANUFACTURED BY TRUS JOIST MACMILLAN OR APPROVED EQUAL

2 LAMINATE VENEER LUMBER SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES

MODULUS OF ELASTICITY	1900 KSI
SHEAR MODULUS OF ELASTICITY	1187 KSI
ALLOWABLE BENDING STRESS	2600 PSI
ALLOWABLE COMPRESSIVE STRESS (PARALLEL TO GRAIN)	2310 PSI
ALLOWABLE COMPRESSIVE STRESS (PERPENDICULAR TO GRAIN)	750 PSI
ALLOWABLE HORIZONTAL SHEAR STRESS	285 PSI

3 DO NOT CUT, NOTCH OR PLACE HOLES INTO LAMINATED VENEER LUMBER WITHOUT PRIOR APPROVAL FROM THE ENGINEER

POST- INSTALLED ANCHORS

1 POST-INSTALLED ANCHORS SHALL INCLUDE ADHESIVE AND MECHANICAL ANCHORS

2 POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS

3 CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR WHEN DRILLING HOLES HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS

4 ANCHORS SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE

5 SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL ADHESIVE AND MECHANICAL ANCHORS SPECIAL INSPECTOR SHALL PERFORM INSPECTIONS PURSUANT TO CONTRACT DOCUMENTS, SCHEDULE OF SPECIAL INSPECTIONS AND APPROPRIATE ICC-ES REPORTS

6 SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE LISTED BELOW, SHALL BE SUBMITTED TO THE ENGINEER FOR ACCEPTANCE PRODUCT ICC-ES CODE REPORTS SHALL BE INCLUDED WITH SUBMITTAL PACKAGE

7 UNLESS NOTED OTHERWISE ON PLANS, ACCEPTABLE PRODUCTS SHALL BE

A ADHESIVE ANCHORS
- I FOR ANCHORING INTO CONCRETE AND GROUT-FILLED CMU
  - SIMPSON STRONG-TIE ACRYLIC-TIE WITH ASTM A307 THREADED RODS
  - HILTI HIT-ICE/HIT-HY 150 WITH STANDARD HAS-E THREADED RODS
- II FOR ANCHORING INTO HOLLOW BASE MATERIAL (HOLLOW CMU)
  - SIMPSON STRONG-TIE ACRYLIC-TIE AND SCREEN TUBES (ATSP OR ETSP) WITH ASTM A36 THREADED RODS
  - HILTI HIT-HY 20 AND SCREEN TUBES WITH STANDARD HIT-A OR HAS-E THREADED RODS

B MECHANICAL ANCHORS
- I FOR ANCHORING INTO CONCRETE
  - SIMPSON STRONG-TIE TITEN-HD (SCREW ANCHOR) OR STRONG-BOLT (WEDGE ANCHOR)
  - HILTI HUS-H (SCREW ANCHOR) OR HDA UNDERCUT ANCHOR (WEDGE ANCHOR)
- II FOR ANCHORING INTO GROUT-FILLED CMU
  - SIMPSON STRONG-TIE TITEN-HD (SCREW ANCHOR) OR WEDGE-ALL (WEDGE ANCHOR)
  - HILTI HUS-H (SCREW ANCHOR) OR KWIK BOLT 3 (WEDGE ANCHOR)
- III FOR ANCHORING INTO HOLLOW BASE MATERIAL (HOLLOW CMU)
  - SIMPSON STRONG-TIE TITEN HD (SCREW ANCHOR)
  - HILTI HLC SLEEVE ANCHOR (WEDGE ANCHOR)

8 CONTACT ANCHOR MANUFACTURER FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY
- SIMPSON STRONG-TIE (800) 999-5099
- HILTI (800) 879-8000

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

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S002

VERIFICATION AND SPECIAL INSPECTION

1 THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AND TESTING DURING CONSTRUCTION FOR THE TYPES OF WORK INDICATED BY 2009 IBC CHAPTER 17 SUBMIT DOCUMENTATION THAT SUMMARIZES THE QUALIFICATIONS AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR THE BUILDING INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION

2 APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION AND TESTING REPORTS TO THE OWNER, ARCHITECT, BUILDING OFFICIAL AND STRUCTURAL ENGINEER OF RECORD WHICH INDICATES THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS REPORTS WHICH DOCUMENT THE RESULTS OF THE SPECIAL INSPECTIONS SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION A FINAL REPORT DOCUMENTING ALL THE WORK HAS BEEN PERFORMED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS SHALL BE SUBMITTED AT THE END OF THE PROJECT

3 SEE SECTION 1704 OF THE 2009 IBC FOR FULL CRITERIA AND EXCEPTIONS FOR INSPECTION REQUIREMENTS

4 DEFINITIONS

PERIODIC SPECIAL INSPECTION - THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK

CONTINUOUS SPECIAL INSPECTION - A FULL-TIME OBSERVATION OF WORK REQUIRING CONTINUOUS JOBSITE PRESENCE WHEN AND WHERE THE WORK IS BEING PERFORMED

5 STRUCTURAL OBSERVATIONS, IN ADDITION TO SPECIAL INSPECTIONS, MAY BE REQUIRED PER IBC SECTION 1709

TABLE 1704 3 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	REFERENCED STANDARD	IBC REFERENCE
1 MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS		X	APPLICABLE ASTM MATL SPEC, RCSC (2004)	
A IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS				
B MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED				
2 INSPECTION OF HIGH-STRENGTH BOLTING			RCSC (2004)	1704 3 3
A BEARING-TYPE BOLTING		X		
B SLIP-CRITICAL CONNECTIONS	X			
3 MATERIAL VERIFICATION OF STRUCTURAL STEEL		X		1708 4
A IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS			ASTM A6 OR ASTM A 568	
B MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED			ASTM A6 OR ASTM A568	
4 MATERIAL VERIFICATION OF WELD FILLER MATERIALS		X	AISC 360, SECT A3 5	
A IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS				
B MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED				
5 VERIFY FABRICATION/QUALITY CONTROL AT FABRICATION PLANT		X	AISC 360 SECTION M	1704 2
6 INSPECTION OF WELDING			AWD D1 1	1704 3 1
A STRUCTURAL STEEL				
1 COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	X			
2 MULTI-PASS FILLET WELDS	X			
3 SINGLE-PASS FILLET WELDS > 5/16"	X			
4 SINGLE-PASS FILLET WELDS ≤ 5/16"		X		
5 COLD FORMED STEEL FRAMING MEMBERS		X	AWS D1 3	
7 INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS*		X		1704 3 2
A DETAILS SUCH AS BRACING AND STIFFENING				
B MEMBER LOCATIONS				
C APPLICATION OF JOINT DETAILS AT EACH CONNECTION				

*NOTE ADDITIONAL INSPECTION MAY BE REQUIRED FOR THE SEISMIC FORCE RESISTING SYSTEMS PER IBC 1707

TABLE 1704 4 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	REFERENCED STANDARD	IBC REFERENCE
1 INSPECTION OF REINFORCING STEEL AND PLACEMENT		X	ACI 318 3 5, 7 1 - 7 7	1903 5, 1907 1 1907 7, 1914 4
2 INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE		X		1911 5
3 VERIFYING USE OF REQUIRED DESIGN MIX		X	ACI 318 CH 4, 5 2-5 4	1904, 1905 2-1905 4
4 SAMPLING FRESH CONCRETE AND PERFORMING SLUMP,AIR CONTENT AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPCIMENS FOR STRENGTH TESTS	X		ASTM C172 ASTM C31 ACI 318 5 6, 5 8	1905 6 1914 10
5 INSPECTION OF CONCRETE FOR PROPER APPLICATION TECHNIQUES	X		ACI 318 5 9, 5 10	1905 9, 1905 10
6 INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318 5 11-5 13	1905 11, 1905 13
7 ERECTION OF PRECAST CONCRETE MEMBERS		X	ACI 318 CHPT 16	
8 VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		X	ACI 318 6 2	
9 INSPECT FORM WORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	ACI 318 6 1 1	

1704 6 WOOD CONSTRUCTION

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	REFERENCED STANDARD	IBC REFERENCE
1 VERIFY FABRICATION/QUALITY CONTROL AT FABRICATION PLANT		X		1704 2 1704 6
2 FOR HIGH LOAD DIAPHRAGMS, VERIFICATION OF GRADE AND THICKNESS OF STRUCTURAL PANEL SHEATHING		X		1704 6 1
3 FOR HIGH LOAD DIAPHRAGMS, VERIFICATION OF NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, NAIL OR STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, AND THAT SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREES WITH CONTRACT DOCUMENTS		X		1704 6 1
4 INSPECTION OF FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEMS	X			1707 3
5 INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE RESISTING SYSTEMS (WHERE FASTENER SPACING IS 4" ON CENTER OR LESS)		X		1707 3

TABLE 1704 7 REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION & INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X
2 VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X
3 PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIAL		X
4 VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	X	
5 PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X

1707 4 COLD-FORMED STEEL FRAMING

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	REFERENCED STANDARD	IBC REFERENCE
1 VERIFY FABRICATION/QUALITY CONTROL AT FABRICATION PLANT		X		1704 2
2 INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM		X		1707 4
3 INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE RESISTING SYSTEMS		X		1707 4

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

STATE OF MAINE
WALDEMAR E DEL VALLE
No. 12648
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SHEET TITLE .
GENERAL NOTES

SHEET NO
S003

IBC TABLE 2304.9.1
FASTENING SCHEDULE

	FASTENING[a,m]	LOCATION
1 JOIST TO SILL OR GIRDER	3-8d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	TOENAIL
2 BRIDGING TO JOIST	2-8d COMMON 2-3" x 0 131" NAIL 2-3" 14 GAGE STAPLE	TOENAIL EACH END
3 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2-8d COMMON	FACE NAIL
4 WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3-8d COMMON	FACE NAIL
5 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON	BLIND AND FACE NAIL
6 SOLE PLATE TO JOIST OR BLOCKING SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	16d @ 16" O C 3" x 0 131" NAIL @ 8" O C 3" 14 GAGE STAPLE @ 12" O C 3-16d PER 16" 3" x 0 131" NAIL PER 16" 3" 14 GAGE STAPLE PER 16"	TYPICAL FACE NAIL BRACED WALL PANELS
7 TOP PLATE TO STUD	2-16d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	END NAIL
8 STUD TO SOLE PLATE	4-8d COMMON 4-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE 2-16d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	TOENAIL ENDNAIL
9 DOUBLE STUDS	16d @ 24" O C 3" x 0 131" NAIL @ 8" O C 3" 14 GAGE STAPLE @ 8" O C	FACE NAIL
10 DOUBLE TOP PLATES DOUBLE TOP PLATES	16d @ 16" O C 3" x 0 131" NAIL @ 12" O C 3" 14 GAGE STAPLE @ 12" O C 8-16d COMMON 12-3" x 0 131" NAIL 12-3" 14 GAGE STAPLE TYPICAL FACE NAIL	TYPICAL FACE NAIL LAP SPLICE
11 BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE	3-8d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	TOENAIL
12 RIM JOIST TO TOP PLATE	8d @ 6" (152 MM) O C 3" x 0 131" NAIL @ 6" O C 3" 14 GAGE STAPLE @ 6" O C	TOENAIL
13 TOP PLATES, LAPS & INTERSECTIONS	2-16d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	FACE NAIL
14 CONTINUOS HEADER, TWO PIECES	16d COMMON	16" O C ALONG EDGE
15 CEILING JOISTS TO PLATE	3-8d COMMON 5-3" x 0 131" NAIL 5-3" 14 GAGE STAPLE	TOENAIL
16 CONTINUOS HEADER TO STUD	4-8d COMMON	TOENAIL
17 CEILING JOIST, LAPS OVER PARTITIONS (SEE SECTION 2308 10 4 1, TABLE 2308 10 4 1)	3-16d COMMON MINIMUM, TABLE 2308 10 4 1 4-3" x 0 131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
18 CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308 10 4 1, TABLE 2308 10 4 1)	3-16d COMMON MINIMUM, TABLE 2308 10 4 1 4-3" x 0 131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
19 RAFTER TO PLATE (SEE SECTION 2308 10 4 1, TABLE 2308 10 4 1)	3-8d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	TOENAIL

(CONTINUED)

IBC TABLE 2304.9.1 - CONTINUED
FASTENING SCHEDULE

CONNECTION	FASTENING[a,m]	LOCATION
20 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2-8d COMMON 2-3" x 0 131" NAIL 2-3" 14 GAGE STAPLE FACE NAIL	FACE NAIL
21 1" x 8" SHEATHING TO EACH BEARING WALL	2-8d COMMON	FACE NAIL
22 WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3-8d COMMON	FACE NAIL
23 BUILT-UP CORNER STUDS	16d COMMON 3" x 0 131" NAIL 3" 14 GAGE STAPLE	24" O C 16" O C 16" O C
24 BUILT-UP GIRDERS & BEAMS	20d COMMON 32" O C 3" x 0 131" NAIL 24" O C 3" 14 GAGE STAPLE 24" O C	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2-20d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	FACE NAIL AT ENDS AND AT EACH SPLICE
25 2" PLANKS	16d COMMON	AT EACH BEARING
26 COLLAR TIE TO RAFTER	3-10d COMMON 4-3" x 0 131" NAIL 4-3" 14 GAGE STAPLE FACE NAIL	FACE NAIL
27 JACK RAFTER TO HIP	3-10d COMMON 4-3" x 0 131" NAIL 4-3" 14 GAGE STAPLE 2-16d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	TOENAIL FACE NAIL
28 ROOF RAFTER TO 2-BY RIDGE BEAM	2-16d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE 2-16d COMMON 3-3" x 0 131" NAIL 3-3" 14 GAGE STAPLE	TOENAIL FACE NAIL
29 JOIST TO BAND JOIST	3-16d COMMON 5-3" x 0 131" NAIL 5-3" 14 GAGE STAPLE	FACE NAIL
30 LEDGER STRIP	3-16d COMMON 4-3" x 0 131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
31 WOOD STRUCTURAL PANELS & PARTICLEBOARD [b] SUBFLOOR, ROOF & WALL SHEATHING (TO FRAMING) SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	1/2" & LESS 6d [c] 2 3/8" x 0 113" NAIL [n] 1 3/4" 16 GAGE [o] 19/32" TO 3/4" [d] 8d OR 6d [e] 2 3/8" x 0 113" NAIL [e] 2" 16 GAGE [p] 7/8" TO 1" 8d [c] 1 1/8" TO 1 1/4" 10d [d] or 8d [e] 3/4" & LESS 6d [e] 7/8" TO 1" 8d [e] 1 1/8" TO 1 1/4" 10d [e] or 8d [e]	
32 PANEL SIDING (TO FRAMING)	1/2" or LESS 6d [f] 5/8" 8d [f]	
33 FIBERBOARD SHEATHING [g]	1/2" NO 11 GAGE ROOFING NAIL [h] 6d COMMON NAIL NO 16 GAGE STAPLE [i] 25/32" NO 11 GAGE ROOFING NAIL [h] 8d COMMON NAIL NO 16 GAGE STAPLE [i]	
34 INTERIOR PANELING	1/4" 3/8"	4d [j] 6d [k]

NOTES TO TABLE 2304 9 1

FOR SI 1 INCH = 25 4 MM

A COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED
B NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48" OR MORE FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305 NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING
C COMMON OR DEFORMED SHANK
D COMMON
E DEFORMED SHANK
F CORROSION-RESISTANT SIDING OR CASING NAIL
G FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS
H CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING
I CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED)
J CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS
K PANEL SUPPORTS AT 24 INCHES CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS
L FOR ROOF SHEATHING APPLICATIONS, 8d NAILS ARE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS
M STAPLES SHALL HAVE A MINIMUM CROWN OF 7/16"
N FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS
O FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATING
P FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE
Q PROVIDE HURRICANE TIES (SIMPSON H2 5A) AT ALL NEW ROOF JOISTS
R PROVIDE JOIST HANGERS AT ALL NEW JOISTS - UNO

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

STATE OF MAINE
WALDEMAR E DEL VALLE
No. 12648
REGISTERED PROFESSIONAL ENGINEER
8/22/11

ARCH PROJECT # 1121907
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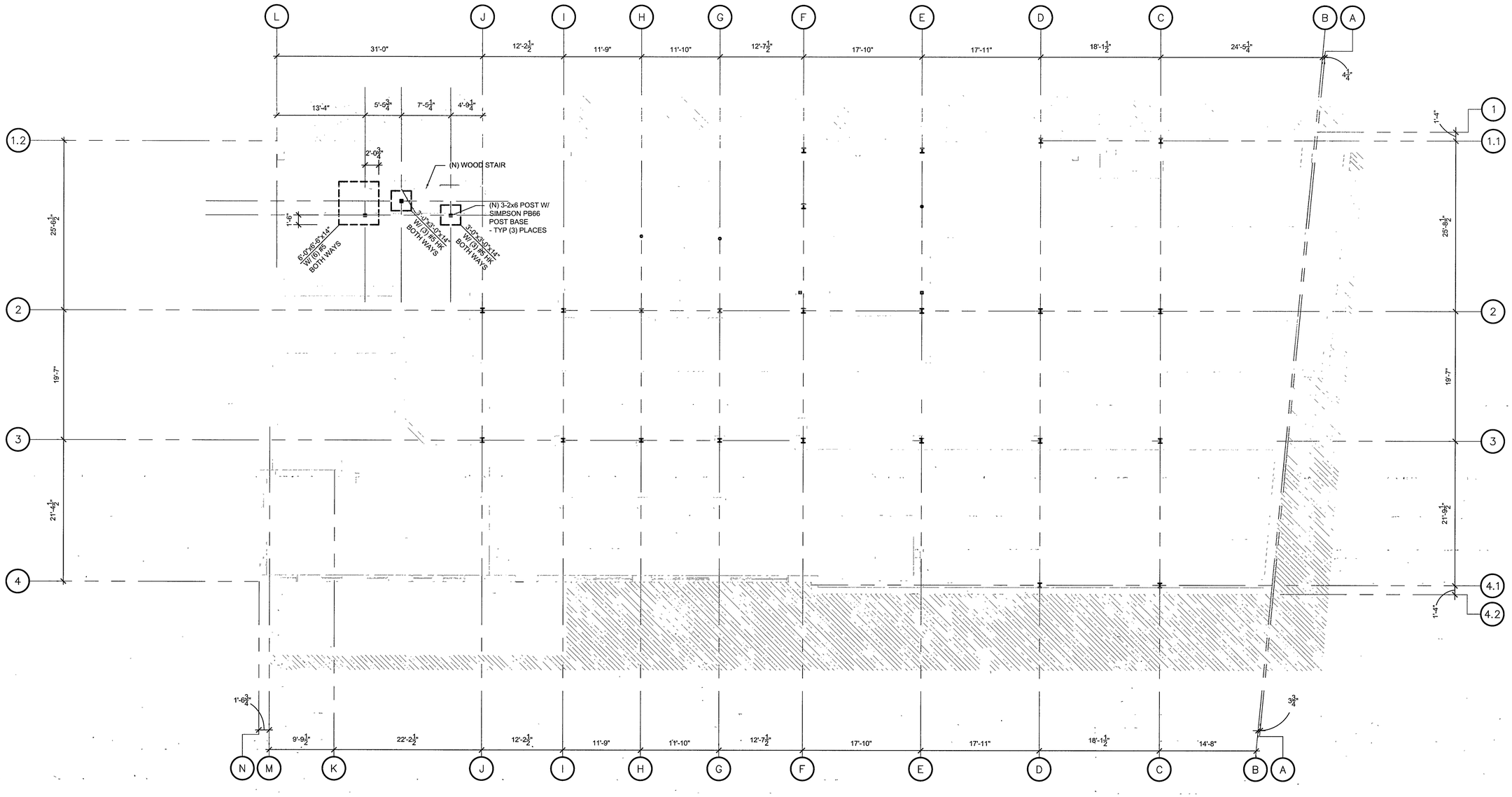
SHEET TITLE

GENERAL NOTES

SHEET NO. :

S004



1 BASEMENT PLAN

S100 SCALE 1/8"=1'-0"

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URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
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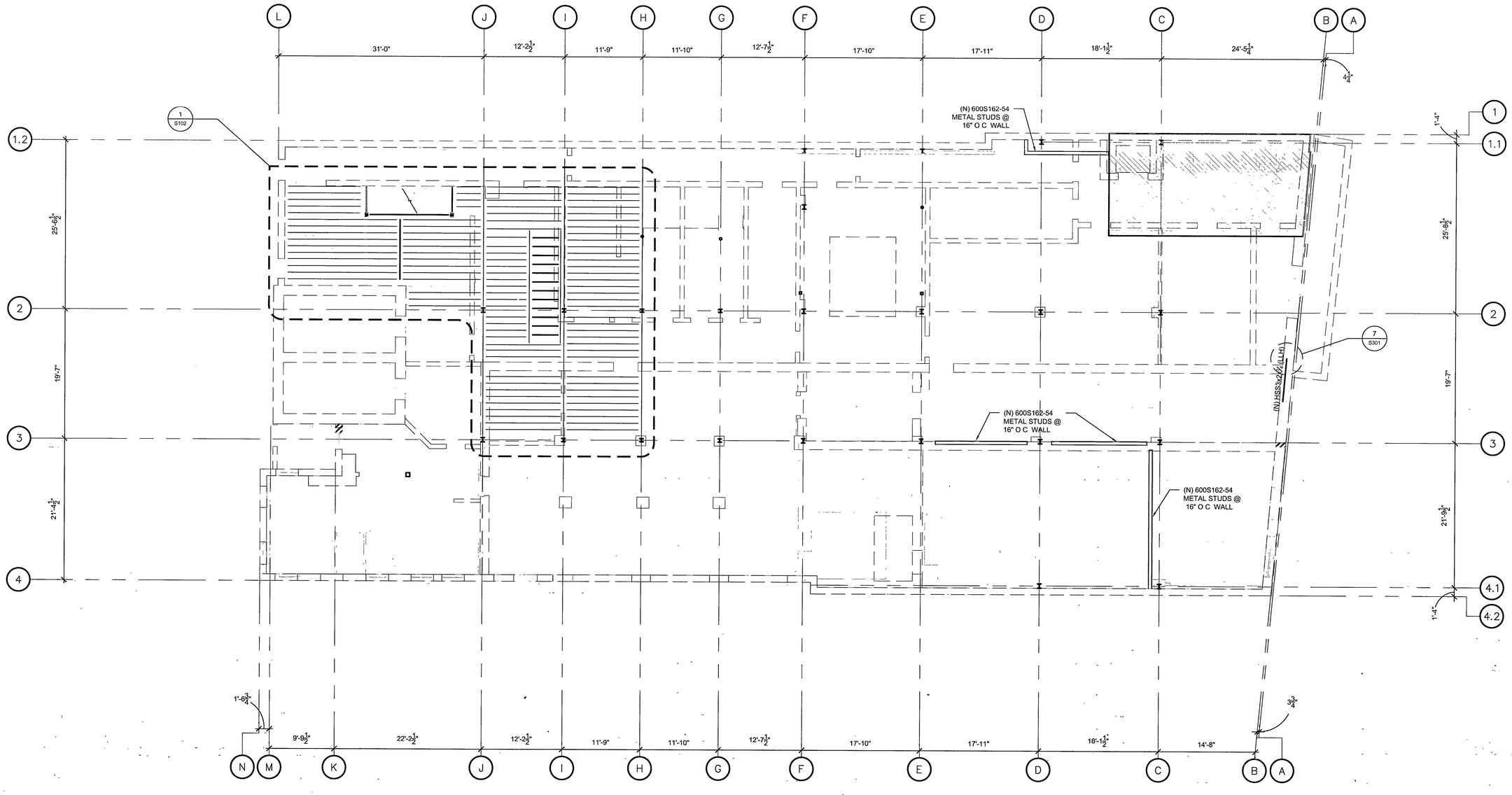
BASEMENT PLAN

SHEET NO. .

S100



1 FIRST FLOOR PLAN

S101 SCALE 1/8"=1'-0"

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URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT .
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232.6642

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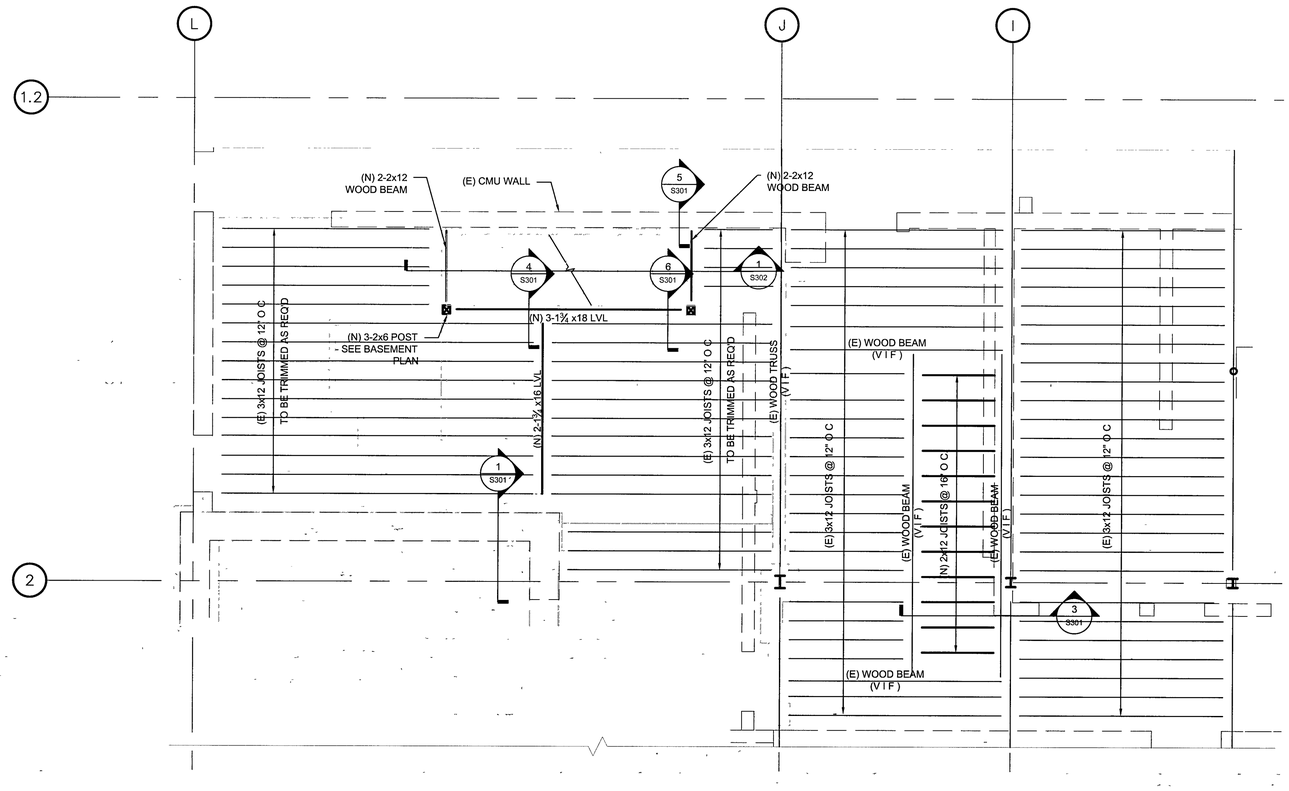
FIRST FLOOR PLAN

SHEET NO .

S101



1 ENLARGED FRAMING PLAN
S102 SCALE 1/4"=1'-0"

G.C. TO VERIFY ALL "V.I.F." MEMBERS DURING DEMO AND RELAY INFORMATION TO E.O.R FOR FINAL REVIEW FOR STRUCTURAL COMPLIANCE

NOTES

1 (N) DENOTES NEW STRUCTURAL MEMBER

2 (E) DENOTES EXISTING STRUCTURAL MEMBER

3 SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND INFORMATION NOT ON PLAN

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

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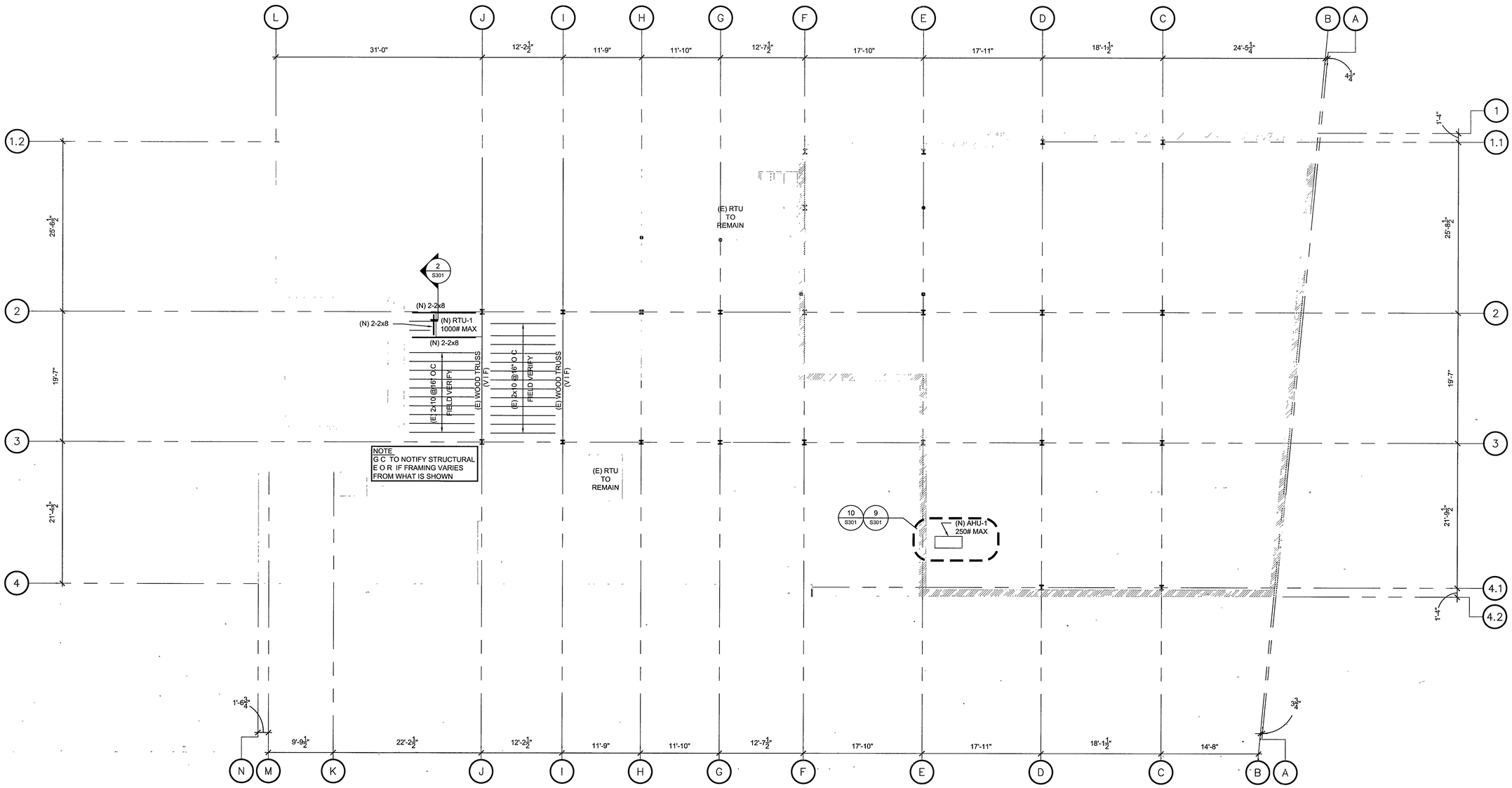
SHEET TITLE
ENLARGED FRAMING PLAN

SHEET NO :
S102



1 ROOF FRAMING PLAN

S201 SCALE 1/8"=1'-0"

G.C. TO VERIFY ALL
"V.I.F." MEMBERS DURING DEMO
AND RELAY INFORMATION TO E.O.R.
FOR FINAL REVIEW FOR STRUCTURAL
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PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

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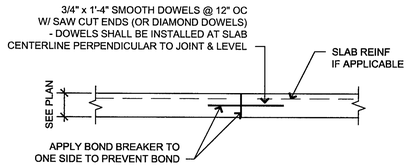
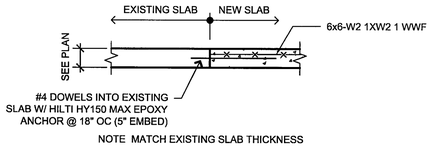
SHEET TITLE :
ROOF FRAMING PLAN

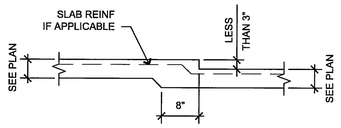
SHEET NO :
S201

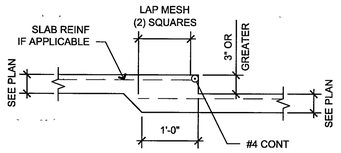


CONSTRUCTION JOINT



NEW CONCRETE SLAB

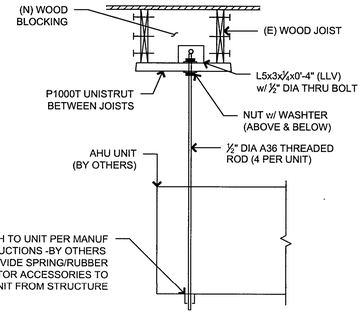




DEPRESSED SLAB

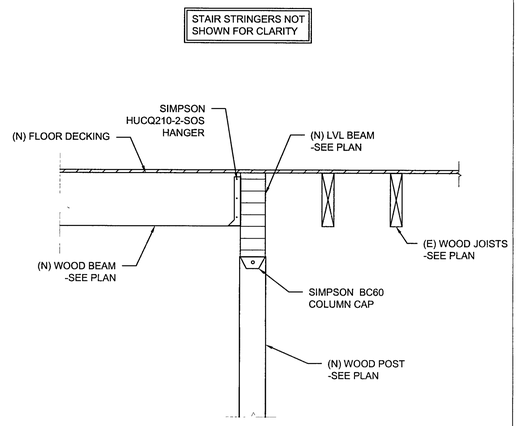
11 TYPICAL SLAB DETAILS

S301 SCALE N/A



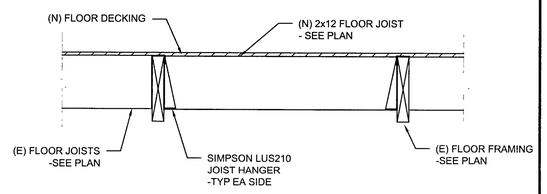
9 AHU DETAIL

S301 SCALE 3/4" = 1'-0"



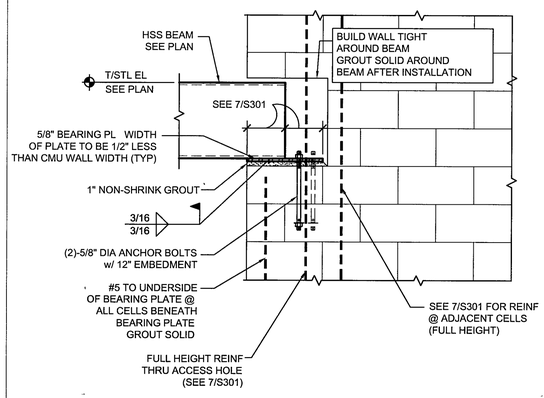
6 LVL CONNX

S301 SCALE 3/4" = 1'-0"



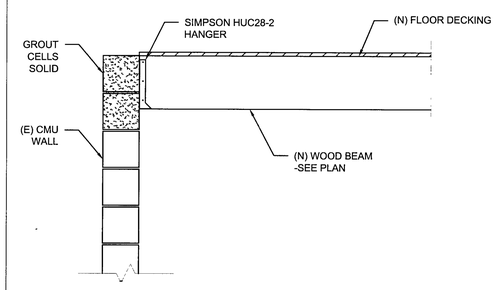
3 INFILL JOIST CONNX

S301 SCALE 3/4" = 1'-0"



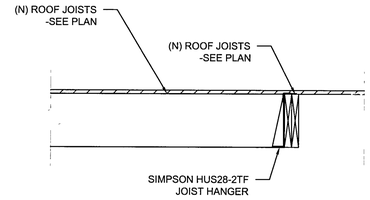
8 TYPICAL HSS BEAM ON CMU WALL

S301 SCALE 3/4" = 1'-0"



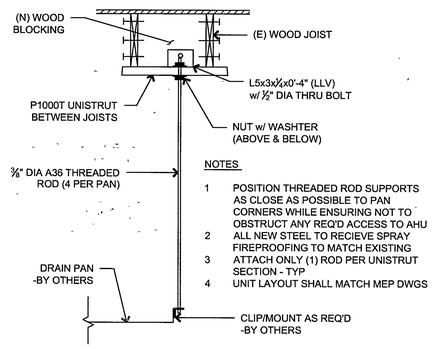
5 STAIR CONNX

S301 SCALE 3/4" = 1'-0"



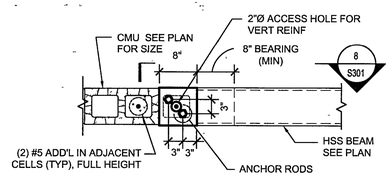
2 ROOF CONNX

S301 SCALE N/A



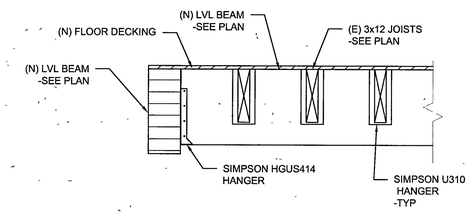
10 AHU DRAIN PAN DETAIL

S301 SCALE 3/4" = 1'-0"



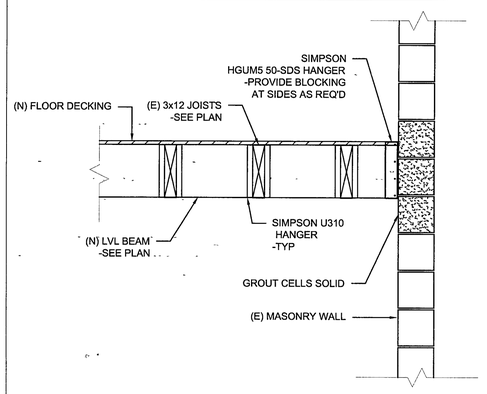
7 TYPICAL HSS BEAM ON CMU WALL

S301 SCALE 3/4" = 1'-0"



4 LVL CONNX

S301 SCALE 3/4" = 1'-0"



1 WALL SECTION

S301 SCALE 3/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

STATE OF MAINE
WALDEMAR E
DEL VALLE
No. 12648
REGISTERED
PROFESSIONAL ENGINEER

ARCH PROJECT # 1121907
DRAWN BY

DG/TDV/CP

ISSUE / DATE

100% CHECKSET
07-08-11
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07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

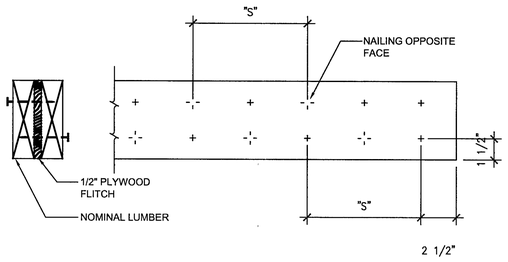
REVISION :

SHEET TITLE :

SECTIONS
AND DETAILS

SHEET NO :

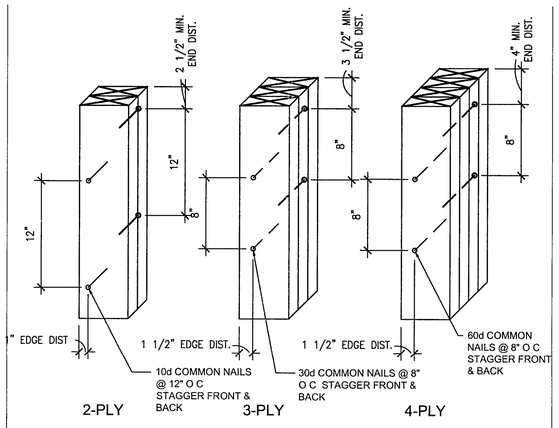
S301



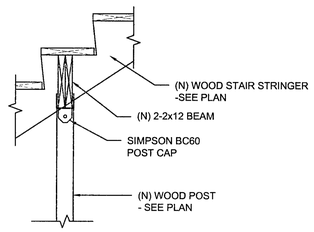
NOMINAL LUMBER
(SYP NO 2 OR BETTER)

LUMBER SIZE	NAIL SPACING "S"
2x6	12" O C EACH FACE
2x8	12" O C EACH FACE
2x10	8" O C EACH FACE
2x12	6" O.C. EACH FACE

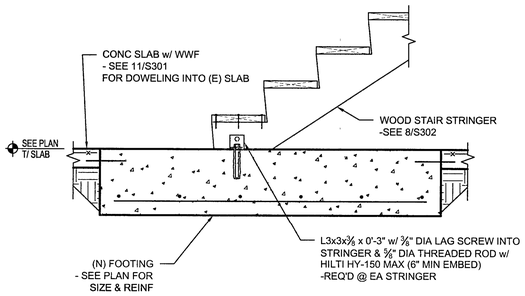
12 2-PLY BUILT-UP BEAM DETAIL
S302 SCALE N/A



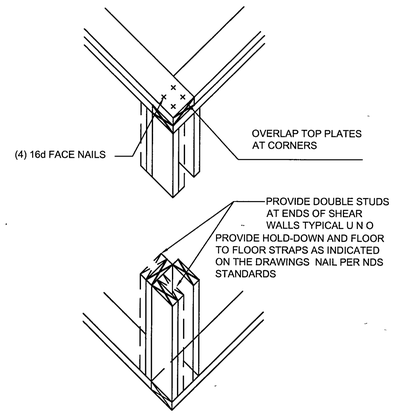
9 2x BUILT-UP JACK/TRIMMER STUDS
S302 SCALE N/A



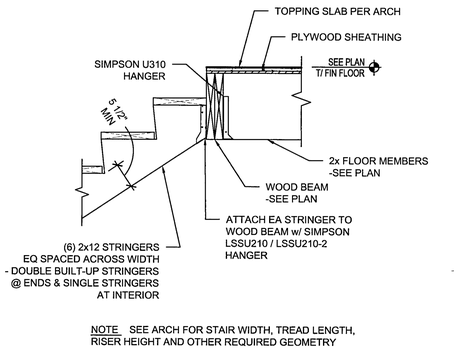
6 STAIR AT STRINGER MID-POINT
S302 SCALE 3/4" = 1'-0"



3 STAIR BASE
S302 SCALE 3/4" = 1'-0"

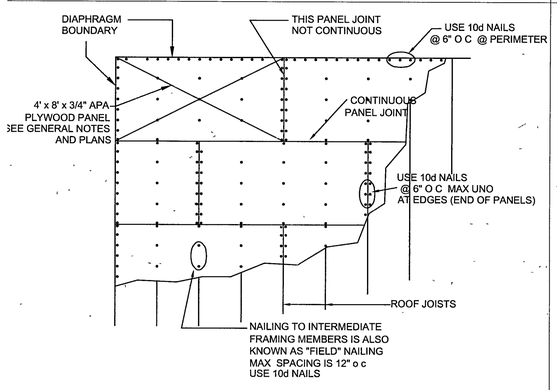


11 2x CORNER FRAMING
S302 SCALE N/A

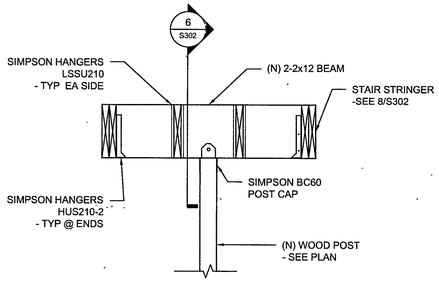


NOTE SEE ARCH FOR STAIR WIDTH, TREAD LENGTH, RISER HEIGHT AND OTHER REQUIRED GEOMETRY

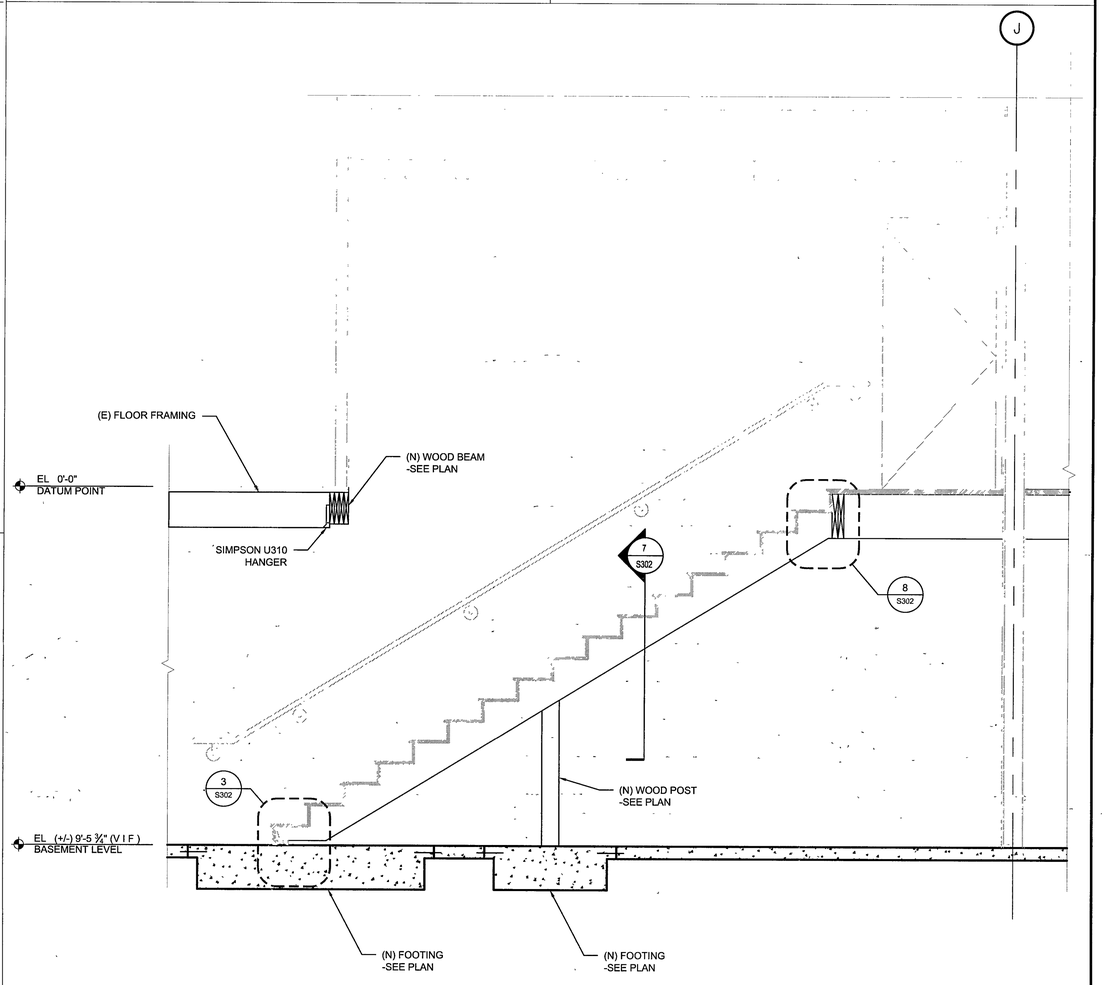
8 SECTION AT STAIR LANDING
S302 SCALE 3/4" = 1'-0"



10 NAILING PATTERN AT DIAPHRAGM
S302 SCALE N/A



7 MID-POINT DETAIL
S302 SCALE 3/4" = 1'-0"



1 SECTION OF STAIRS
S302 SCALE 1/2" = 1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH (215) 454 5500

MEP ENGINEERING
CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

STATE OF MAINE
WALDEMAR E DEL VALLE
No. 12648
LICENSED PROFESSIONAL ENGINEER
4/22/11

ARCH PROJECT # 1121907
DRAWN BY
DG/TDV/CP

ISSUE / DATE
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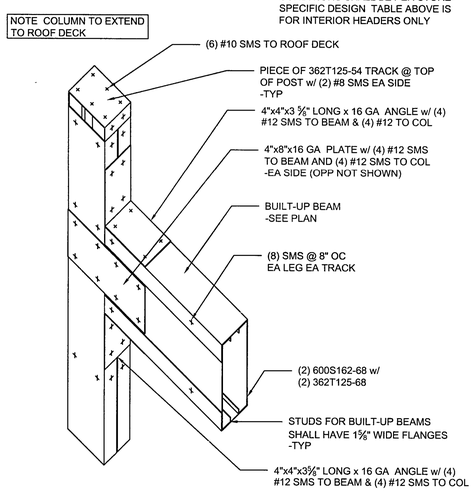
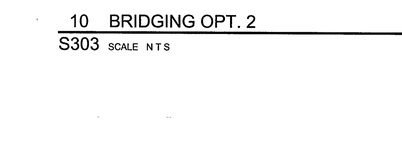
SHEET TITLE
SECTIONS AND DETAILS

SHEET NO
S302

HEADER SCHEDULE		
MARK	DOUBLE STUD SIZE	MAX SPAN
HDR - 3	362S125-54	3'-0"
HDR - 8	362S137-54	8'-0"
HDR - 12	600S137-54	12'-0"
HDR - 18	800S137-54	18'-0"
HDR - 22	1000S162-54	22'-0"

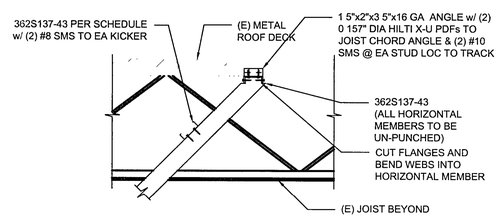
NOTE HEADERS @ EXTERIOR WALL CONDITIONS SHALL BE PER STORE-SPECIFIC DESIGN TABLE ABOVE IS FOR INTERIOR HEADERS ONLY



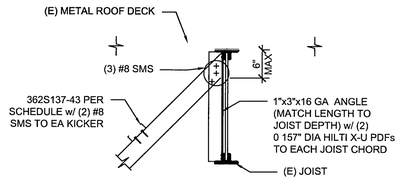


11 BUILT-UP COL/BOX BEAM DETAIL
S303 SCALE 3/4"=1'-0"

KICKER SCHEDULE		
KICKER SIZE*	MAX KICKER LENGTH	MIN STRONG BACK SPACING
362S137-33	6'-0"	NONE REQ'D
362S137-33	12'-0"	ONE AT MID-LENGTH
(2) 362S137-33 BACK-TO-BACK w/ #8 SMS @ 6" OC	15'-0"	NONE REQ'D



CONN PARALLEL TO JOIST



*ALL KICKERS TO BE UN-PUNCHED

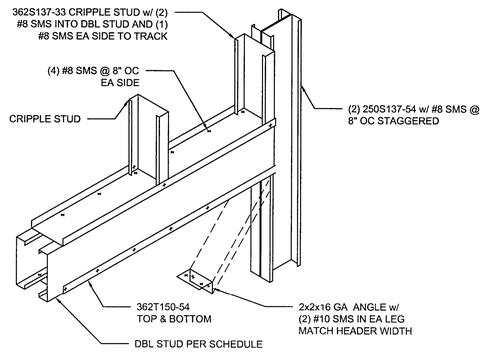
CONN PERP TO JOIST

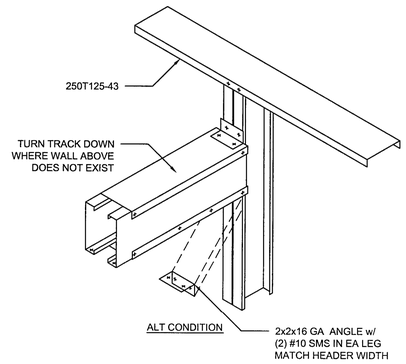
9 KICKER CONNX TO ROOF FRAMING
S303 SCALE N T S

CONN PERP TO DECK

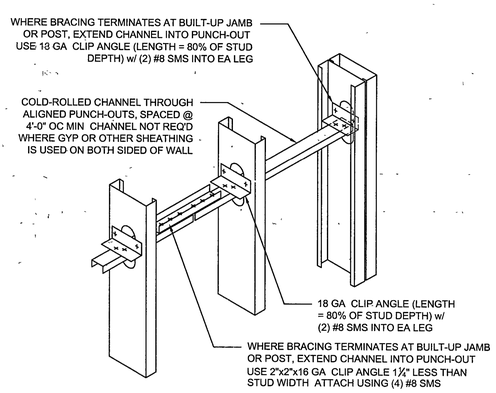
CONN PARALLEL TO DECK

8 NON-BEARING STUD WALL CONNX
S303 SCALE N T S

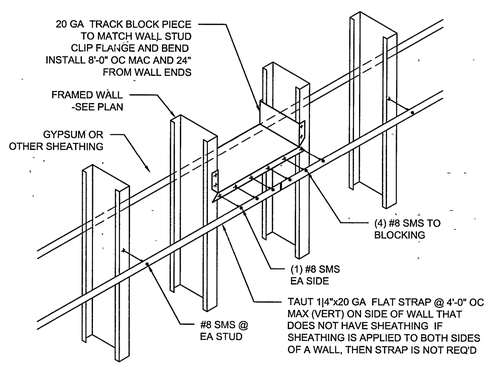




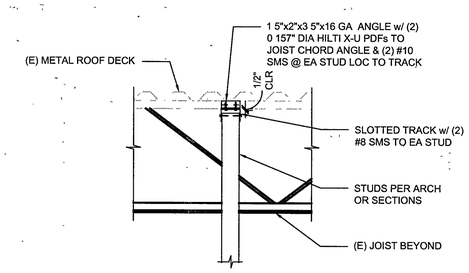
5 TYPICAL METAL STUD HEADER DETAILS
S303 SCALE 3/4"=1'-0"



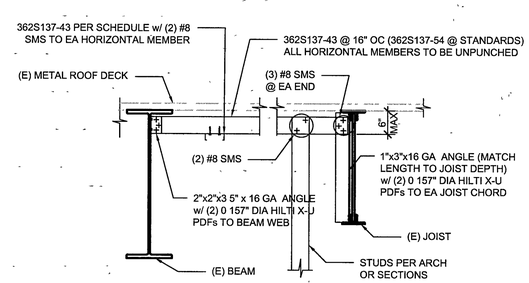
10 BRIDGING OPT. 2
S303 SCALE N T S



7 BRIDGING OPT. 1
S303 SCALE N T S



4 CONNX PERP TO STRUCTURE
S303 SCALE 3/4"=1'-0"



1 CONNX PARALLEL TO STRUCTURE
S303 SCALE 3/4"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT
URBAN OUTFITTERS INC
5000 S BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH. (215) 454 5500

MEP ENGINEERING CONSULTANT
DEVITA & ASSOCIATES
P O BOX 1596
GREENVILLE, SC 29602
PH (864) 232 6642

STATE OF MAINE
WALDEMAR E DEL VALLE
No. 12648
REGISTERED PROFESSIONAL ENGINEER

ARCH PROJECT # 1121907
DRAWN BY

DG/TDV/CP

ISSUE / DATE

100% CHECKSET
07-08-11
PERMIT/ BID SET
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07-22-11

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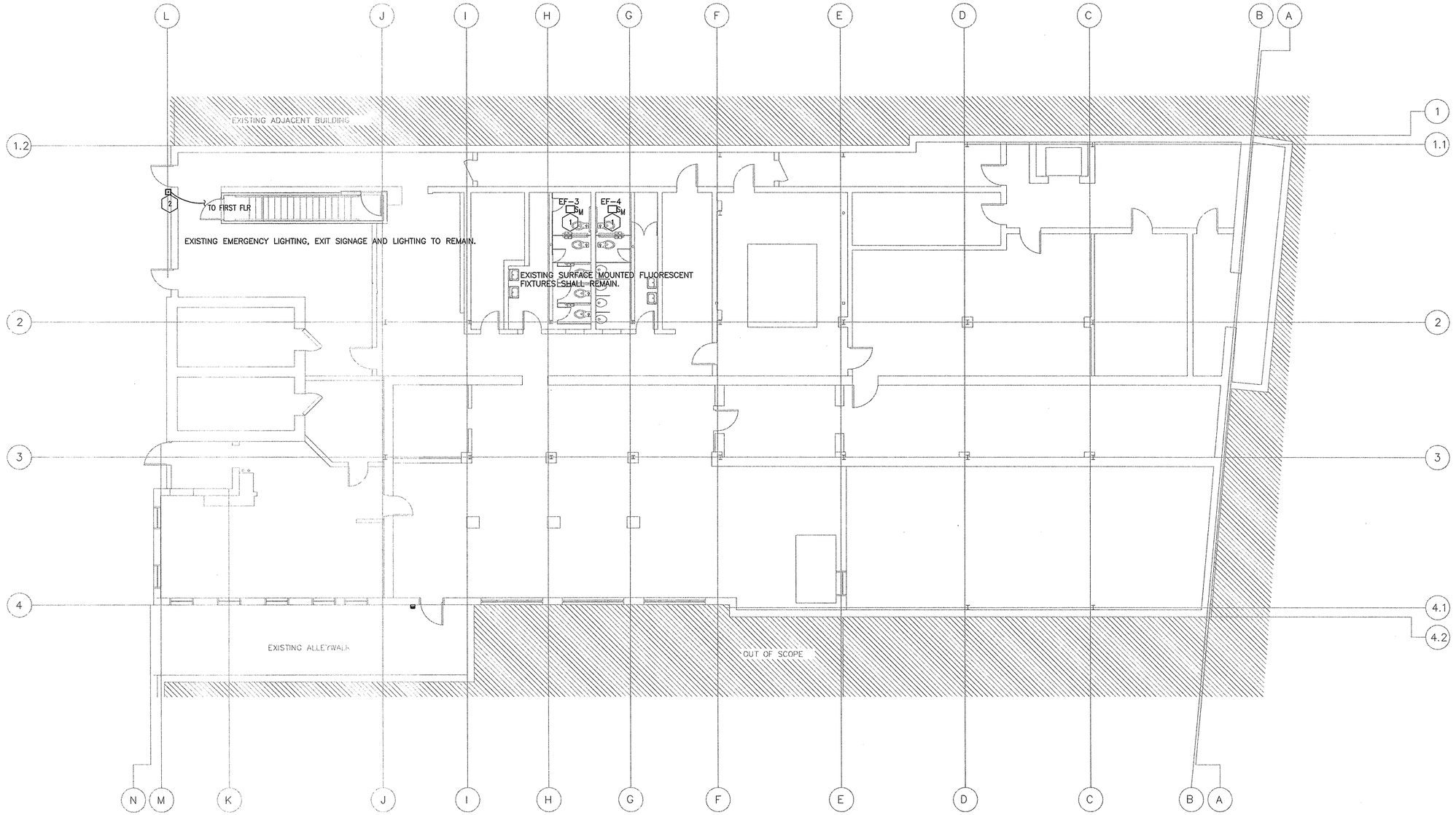
SHEET TITLE :

SECTIONS AND DETAILS

SHEET NO .

S303



1 BASEMENT ELECTRICAL PLAN

E100 SCALE: 1/8"-1'-0" 0 8' 16' 24' 32'

ELECTRICAL PLAN KEY NOTES

1. EXHAUST FAN SHALL BE SWITCHED WITH THE EXISTING LIGHTS. PROVIDE CONNECTION TO EXISTING BRANCH CIRCUIT.
2. DOOR BELL SYSTEM, REFER TO DETAIL 7/E403.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC C. MENCKEN
No. 10490
REGISTERED PROFESSIONAL ENGINEER
7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:

DRA
ECM

ISSUE / DATE:

100% CHECKSET
07-08-11
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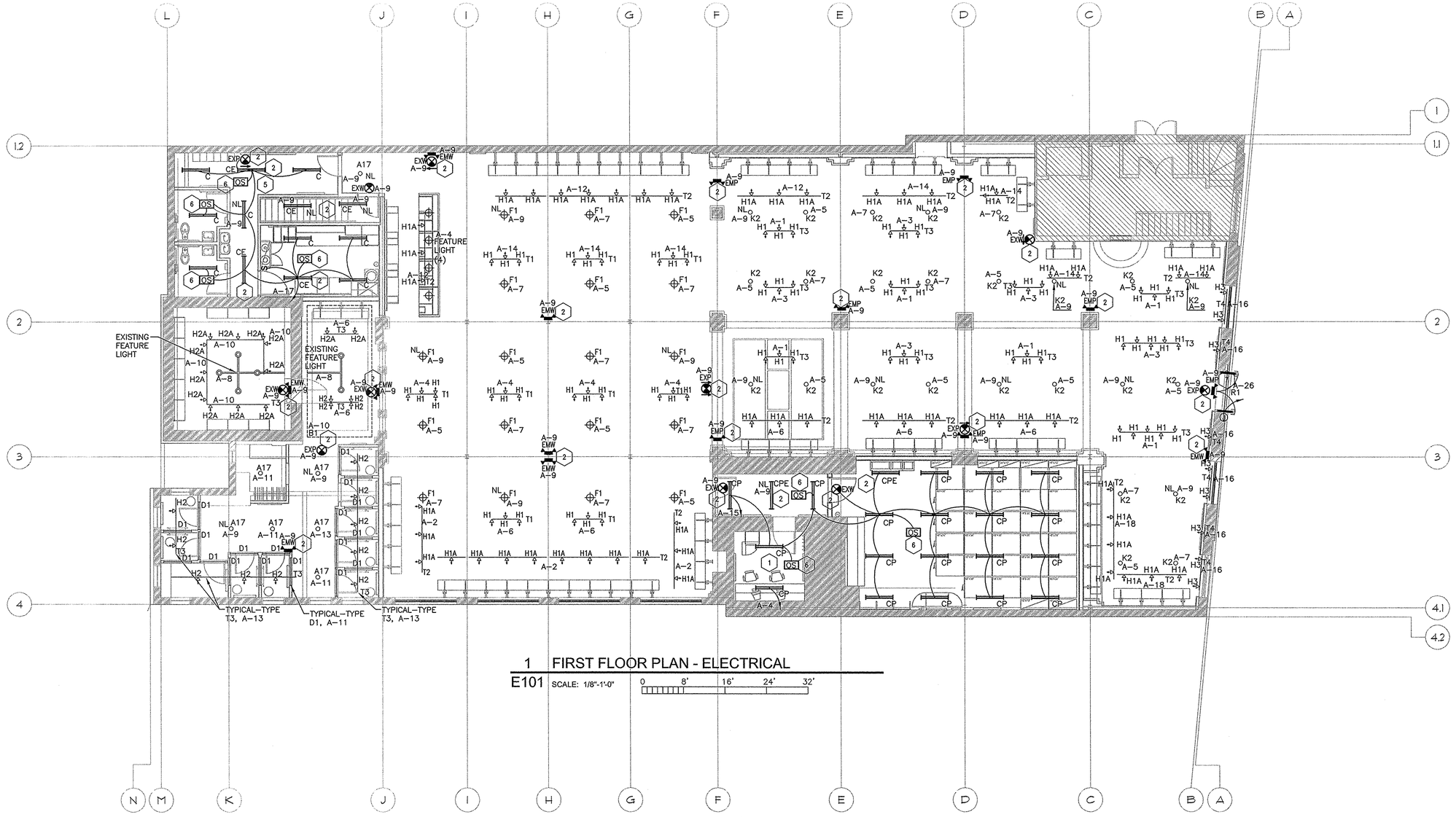
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
ELECTRICAL
BASEMENT PLAN

SHEET NO. :
E100



1 FIRST FLOOR PLAN - ELECTRICAL

E101 SCALE: 1/8"-1'-0" 0 8' 16' 24' 32'

LIGHTING PLAN GENERAL NOTES

A. ALL LIGHTING FIXTURES AND LAMPS SHALL BE FURNISHED BY THE OWNER. THESE SHALL BE RECEIVED, UNLOADED, HANDLED, STORED, PROTECTED, UNCRATED, ASSEMBLED, INSTALLED, WIRED, LAMPED, ETC. BY ELECTRICAL CONTRACTOR.

B. MOUNTING TYPES INDICATED FOR EXIT LIGHTS (WALL, CEILING, ETC.) ARE INTENDED TO BE DIAGRAMMATIC ONLY TO INDICATE REQUIRED LOCATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE SPECIFIC TYPES OF MOUNTING HARDWARE AS REQUIRED BY FIELD CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

C. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE THE TYPE OF CONSTRUCTION INTO WHICH EACH LIGHTING FIXTURE WILL BE INSTALLED AND TO FURNISH THE APPROPRIATE MOUNTING HARDWARE AND ACCESSORIES.

D. EXPOSED RACEWAYS SUPPLYING LIGHTING FIXTURES (AND ALL OTHER ITEMS) SHALL BE INSTALLED AND ROUTED ABOVE DUCTWORK AS MUCH AS POSSIBLE BY USE OF A TRAPEZE SUPPORT SYSTEM. THESE SHALL BE INSTALLED IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC.

E. INSTALLATION OF LIGHTING FIXTURES SHALL BE CAREFULLY COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO AVOID CONFLICTS WITH DUCTWORK, ARCHITECTURAL FEATURES, ETC. WHERE CONFLICTS ARISE, CLARIFY WITH ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.

F. BASED ON LIGHTING MANUFACTURER'S PUBLISHED DATA, EMERGENCY BATTERY LIGHTS ARE LOCATED TO PROVIDE ONE (1) FOOT CANDLE AVERAGE ALONG THE PATH OF EGRESS.

G. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL LIGHT FIXTURES AND DEVICES.

H. CONTRACTOR SHALL MEET IN FIELD WITH FIRE INSPECTOR TO AIM AND ADJUST EMERGENCY LIGHTS AS HE DEEMS NECESSARY. ADD ADDITIONAL EMERGENCY LIGHTS AND EXIT SIGNS PER FIRE INSPECTOR'S REQUIREMENTS.

I. UNLESS NOTED OTHERWISE, FIXTURES WITH EMERGENCY BATTERY PACKS SHALL HAVE CONNECTION TO LOCAL SWITCHING (WHERE INDICATED) AND CONNECTION TO CIRCUIT HOME RUN. LOCAL SWITCHING SHALL PROVIDE NORMAL ON/OFF CONTROL. UPON LOSS OF CIRCUIT POWER, EMERGENCY BATTERY PACKS SHALL PROVIDE IMMEDIATE ILLUMINATION ON BATTERY POWER, REGARDLESS OF LOCAL SWITCHING.

J. "NL" INDICATES "NIGHT LIGHT". CIRCUITED FOR 24/7 OPERATION.

LIGHTING PLAN KEY NOTES

1. THIS LIGHTING CIRCUIT CONTROLLED BY THE SMART BREAKERS IN THE WR NEWMAN CONTROLS PACKAGE.
2. CONNECT EMERGENCY LIGHT OR BATTERY BALLAST TO UNSWITCHED CONTINUOUSLY HOT CONDUCTOR OF LIGHTING BRANCH CIRCUIT INDICATED.
5. COORDINATE MOUNTING OF FIXTURE WITH DUCTWORK. UTILIZE UNISTRUT TRAPEZE HANGER TO SUPPORT FIXTURE BELOW DUCTWORK. MOUNT OCCUPANCY SENSOR TO UNISTRUT TRAPEZE SYSTEM.
6. CEILING MOUNTED OCCUPANCY SENSOR SWITCH, REFER TO DETAIL 8/E403.
7. EMERGENCY FIXTURE TO BE USED FOR EXTERIOR EMERGENCY EGRESS LIGHTING. MOUNT AND AIM FIXTURE TO ILLUMINATE OUTSIDE DOOR THROUGH STOREFRONT GLASS. REFERENCE DETAIL 5/E406 FOR MOUNTING WITH EXIT SIGN.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE — ERIC A. MENCKEN — No.10450 — REGISTERED PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907
DRAWN BY:
DRA
TPM

ISSUE / DATE:
100% CHECKSET 07-08-11
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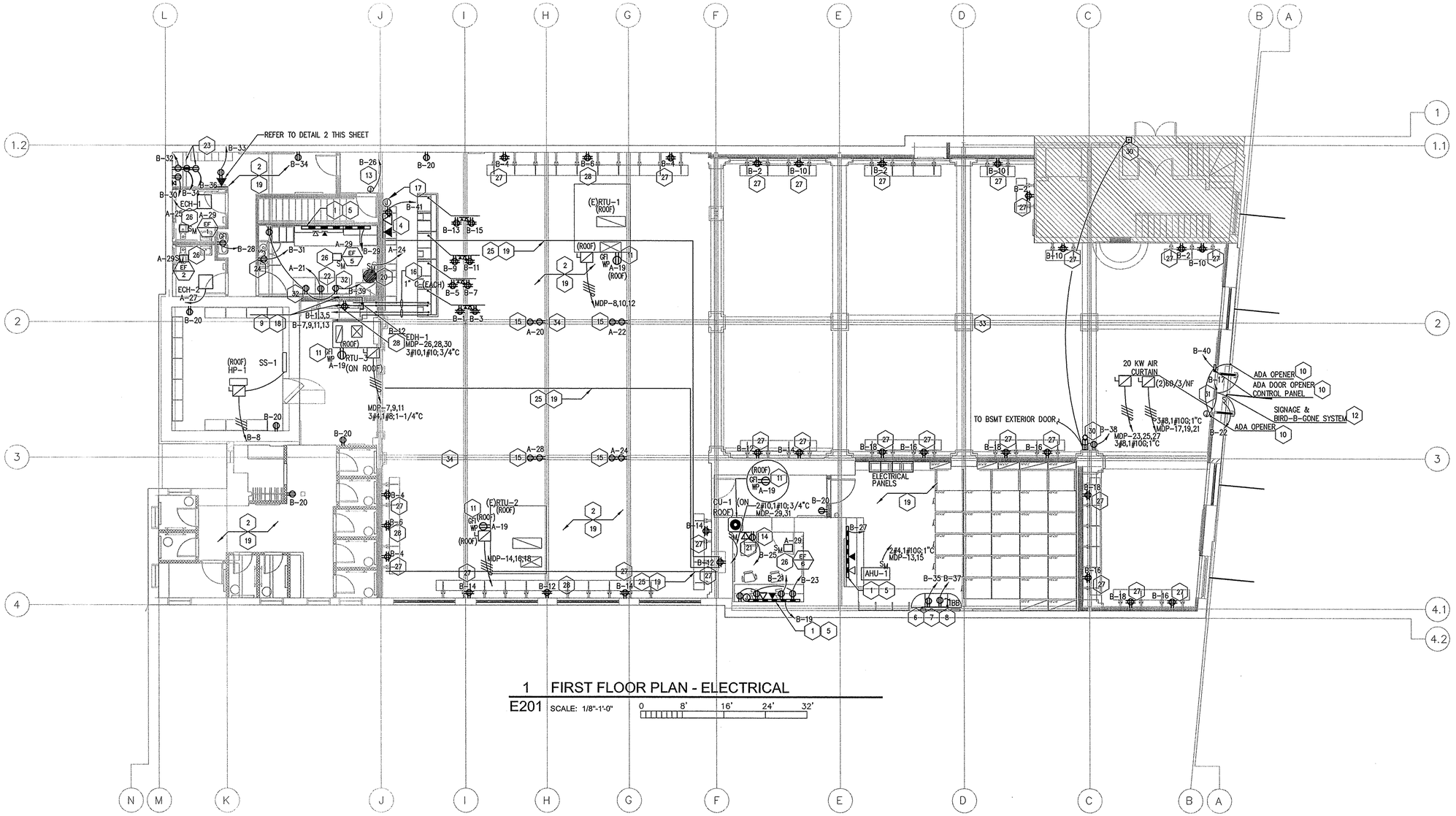
ISSUED FOR CONSTRUCTION 07-22-11

REVISION :

SHEET TITLE :
ELECTRICAL FIRST FLOOR PLAN

SHEET NO. :
E101

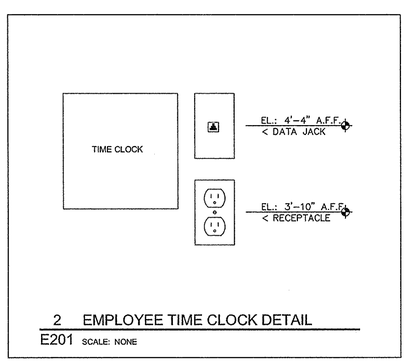


1 FIRST FLOOR PLAN - ELECTRICAL

E201 SCALE: 1/8"-1'-0" 0 8' 16' 24' 32'

POWER PLAN GENERAL NOTES

A. COORDINATE JUNCTION BOXES AND CONDUIT RUNS FOR SECURITY SYSTEM WITH SHEETS V400 AND V401.



2 EMPLOYEE TIME CLOCK DETAIL

E201 SCALE: NONE

POWER PLAN KEY NOTES

1. REFER TO ELECTRICAL DETAILS ON DRAWING E404
2. CONDUIT FOR LIGHTING AND RECEPTACLES NEAR FLOOR DECK SHALL BE ROUTED AS MUCH AS POSSIBLE THROUGH THE BASEMENT CEILING SPACE.
3. NOT USED.
4. QUADRUPLEX RECEPTACLE FOR "DJ" JACK EQUIPMENT.
5. SINGLE CIRCUIT PLUGMOLD STRIP WITH 20 AMP RECEPTACLES SPACED 12" O.C. WIREMOLD SHALL BE #V24GBx12 SERIES (OR EQUAL) (MOUNTED AS INDICATED ON ARCHITECTURAL ELEVATIONS), LENGTH AS INDICATED.
6. 4'-0" WIDE X 4'-0" HIGH X 3/4" THICK PLYWOOD BACKBOARD, PAINTED WITH FIRE RESISTANT BLACK PAINT FOR TELEPHONE TERMINAL BLOCKS, SECURITY CONTROL PANEL AND SOUND SYSTEM CONTROL PANEL. ALL TRADES SHALL BE COORDINATED THROUGH THE GC. NO ONE IS PERMITTED TO MOUNT EQUIPMENT ON BOARD UNLESS APPROVED BY THE GC. REFER TO DETAIL 1/E201.
7. 2" CONDUIT (OR MATCH EXISTING CONDUIT IF AVAILABLE) WITH NYLON PULL ROPE ROUTED TO MALL TELEPHONE TERMINATION POINT. STUB CONDUIT ONTO TELEPHONE BOARD AS REQUIRED. COORDINATE ROUTING WITH CONSTRUCTION MANAGER.
8. REFER TO PHONE/SECURITY BOARD MOUNTING DETAIL ON THIS DRAWING. RECEPTACLES ON BOARDS SHALL BE WIRED ON SEPARATE CIRCUITS WITH ISOLATED GROUNDS.
9. ROUGH-IN (1) 1" CONDUIT FROM "TTB" FOR TELEPHONE REQUIREMENTS.
10. COORDINATE EXACT LOCATION OF DEVICES AND EQUIPMENT WITH GC.
11. DUPLEX RECEPTACLE MOUNTED ON THE ROOF TOP UNIT. ROUTE CONDUIT WITH CONDUCTORS THROUGH RTU CURB. CAULK AND SEAL ALL PENETRATIONS. ROOF PENETRATIONS ARE NOT ACCEPTABLE.
12. PROVIDE BIRD-B-GONE SYSTEM (OR EQUAL) BEHIND SIGNAGE & LIGHTING.
13. FURNISH AND INSTALL 120 VOLT POWER TO DETEX (EAX-2500) ALARM DEVICE IN CEILING FOR SECURITY OPERATION AT MAIN ENTRY DOOR. COORDINATE EXACT WIRING REQUIREMENTS WITH DOOR HARDWARE MANUFACTURER PRIOR TO ROUGH-IN.
14. AUDIO SYSTEM OUTLET.
15. DUPLEX RECEPTACLES MOUNTED ON COLUMN. MOUNT ONE AT 18"AFF, AND ANOTHER AT 15'-0"AFF.
16. ROUTE CONDUITS BELOW SLAB FROM CASHWRAP TO WALL AND UP TO ACCESSIBLE CEILING.
17. PROVIDE SINGLE GANG, WALL-MOUNTED, DEEP JUNCTION BOX MOUNTED AT 18" AFF FOR DJ RACK AT LOCATION SHOWN. PROVIDE ON 3/4" CONDUIT TO AUDIO RACK IN OFFICE.
18. ROUGH-IN (1) 1" CONDUIT FROM DATA SYSTEM EQUIPMENT FOR DATA SYSTEM REQUIREMENTS. DATA DEVICES SHALL BE INSTALLED BY OTHERS.
19. EXPOSED LIGHTING AND POWER RACEWAYS SHALL BE INSTALLED AND ROUTED ABOVE DUCTWORK AS MUCH AS POSSIBLE BY USE OF A TRAPEZE SUPPORT SYSTEM. WHERE REQUIRED TO AVOID OBSTACLES, THESE SHALL BE DONE IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC. REFER TO A601.
20. ELECTRIC WATER HEATER (D) ON SHELF. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E500 FOR DETAILS(TYPICAL).
21. AUDIO SYSTEM RACK LOCATED ABOVE SAFE. PROVIDE ONE DEDICATED DUPLEX RECEPTACLE FOR SOUND SYSTEM POWER, ONE DUAL GANG BACKBOX WITH 1" CONDUIT AND PULL WIRE TO BAR JOIST FOR AUDIO CABLING ROUTING, AND ONE SINGLE GANG BOX W/1"C TO ACCESSIBLE SPACE FOR DSL CONNECTION TO MUSIC SERVER. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF BOXES WITH ARCHITECT AND SYSTEM INSTALLER PRIOR TO ROUGH-IN. REFER TO DETAIL 5/E405.
22. DUPLEX RECEPTACLE MOUNTED IN CABINET FOR CHOP SAW. REFERENCE ARCHITECTURAL DETAILS FOR CABINET REQUIREMENTS.
23. RECEPTACLES FOR MICROWAVE, REFRIGERATOR, COFFEE MAKER AND CONVENIENCE. REFER TO ARCHITECTURAL ELEVATIONS AND DETAIL 4/E404.
24. RECEPTACLE FOR "DUST DEPUTY" REFER TO DETAIL 7/E402.
25. SEE TRAPEZE DETAIL 4/E403.
26. EXHAUST FAN SHALL BE SWITCHED WITH THE LIGHTS.
27. QUAD OUTLET SHALL BE MOUNTED AT 18" INCHES AFF TO BOTTOM OF OUTLET CENTER BETWEEN STANDARD AND EDGE OF PLYWALL, UNLESS NOTED OTHERWISE.
28. QUAD OUTLET MOUNTED AT 14'-0"AFF AND CONCEALED OVER STANDARD.
29. NOT USED.
30. DOOR BELL SYSTEM, REFER TO DETAIL 7/E403.
31. PROVIDE DUPLEX RECEPTACLE HIGH ON WALL FOR CHECK POINT SYSTEM POWER SUPPLY. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND CHECK POINT SYSTEM DRAWING DETAILS.
32. DUPLEX RECEPTACLE MOUNTED ABOVE BACKSPLASH OF CHOP SAW COUNTER TOP. COORDINATE FINAL MOUNTING LOCATION WITH CABINETRY DETAILS.
33. ½" CONDUIT CEILING MOUNT ABOVE RECESSED CEILING FOR DATA AP. PROVIDE ½" CONDUIT ABOVE RECESSED CEILING AND MOUNT BOX IN CEILING. PROVIDE CONDUIT BACK TO TELEPHONE TERMINAL BOARD.
34. ½" CONDUIT CEILING MOUNT, EXPOSED CEILING FOR DATA AP. PROVIDE CONDUIT TO TELEPHONE TERMINAL BOARD.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC MENCKEN
No. 10400
LICENSED PROFESSIONAL ENGINEER
7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:

DRA
TPM

ISSUE / DATE:

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
ELECTRICAL FIRST FLOOR POWER PLAN

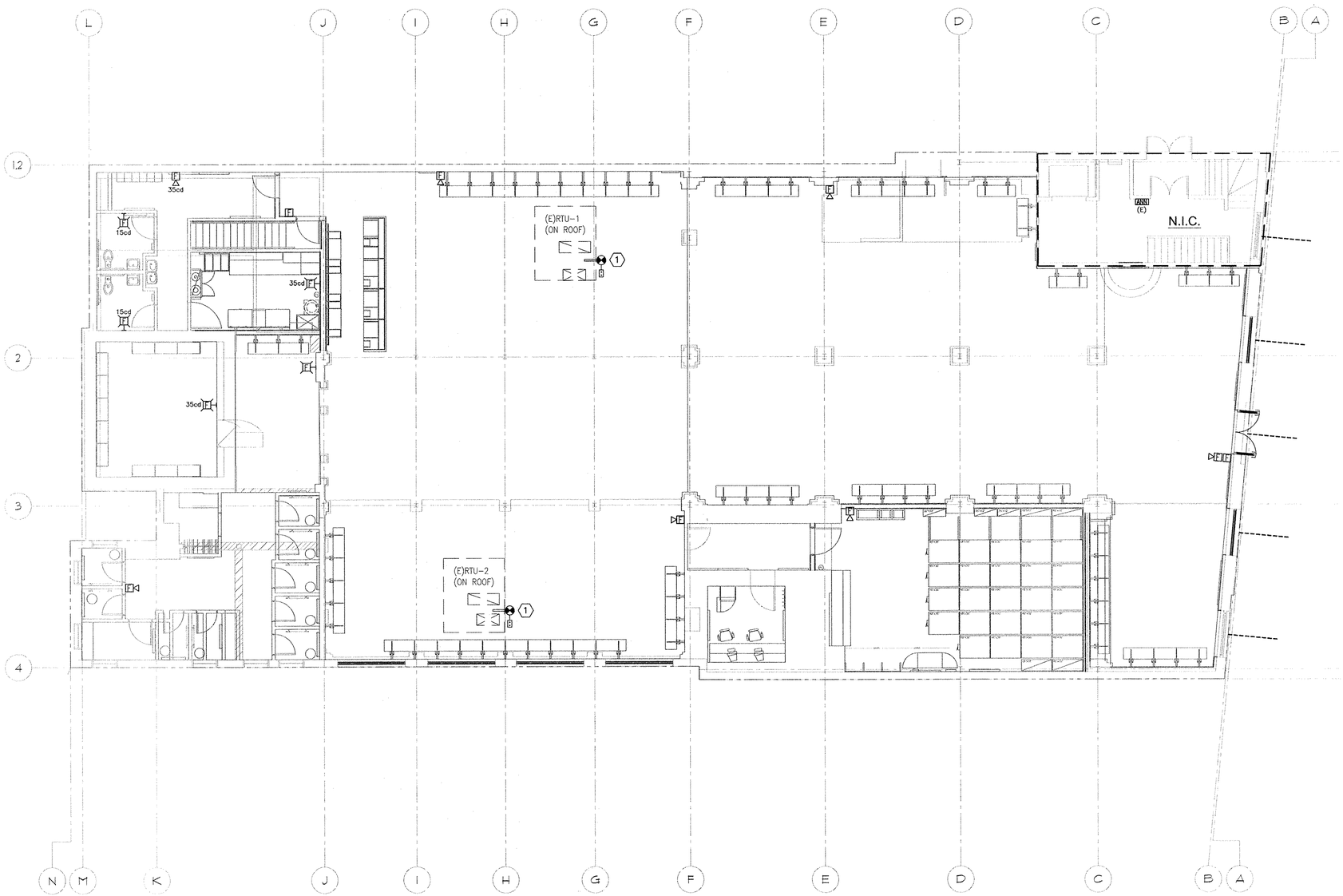
SHEET NO. :
E201

GENERAL NOTES:

1. IF NEEDED, ALL NEW FIRE ALARM DEVICES SHALL BE SAME MANUFACTURER OR COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
2. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION.
3. ALL FIRE ALARM WIRING SHALL BE IN 3/4" CONDUIT, MINIMUM. ALL WIRING SHALL BE VERIFIED WITH THE SYSTEM SUPPLIER PRIOR TO BID.
4. PROVIDE ADDITIONAL ADDRESSABLE MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
5. ALL CONTROL CABINETS SHALL BE GROUNDED PER NEC REQUIREMENTS AND PER SPECIFICATIONS.
6. COORDINATE CITY TIE-IN REQUIREMENTS WITH LOCAL AUTHORITY.
7. REFER TO DRAWINGS FOR DEVICE QUANTITY AND LOCATIONS
8. COORDINATE EXACT REQUIREMENTS ON SITE WITH OWNER, LANDLORD AND LOCAL FIRE MARSHALL PRIOR TO PROCUREMENT OF EQUIPMENT OR ROUGH IN WORK.
9. REMOVE EXISTING FIRE ALARM DEVICES DURING THE DEMO PHASE OF WORK, STORE IN SAFE LOCATION AND REINSTALL DEVICES THAT ARE IN GOOD WORKING ORDER, DURING THE BUILDING PHASE, THAT HAVE BEEN CLEANED AND MADE LIKE NEW. IF NEW DEVICES ARE NEEDED, OBTAIN ONES THAT ARE OF THE SAME MANUFACTURER OR ARE COMPLETELY COMPATIBLE TO EXISTING BRAND.

KEYED NOTES:

1. ENSURE THAT EXISTING RTU's HAVE DUCT MOUNTED SMOKE DETECTORS INSTALLED AND ARE FUNCTIONING AS DESIGNED. IF NOT PREVIOUSLY INSTALLED, ADD NEW COMPATIBLE DETECTORS PER LOCAL FIRE CODE.
2. REMOVE FIRE ALARM CIRCUIT CONDUTORS AND CONDUIT FROM "FACP" AS NECESSARY DURING DEMO PHASE, THEN RECONNECT DURING CONSTRUCTION PHASE.



1 FIRST FLOOR PLAN - FIRE ALARM

E300 SCALE: 1/8"-1'-0" 0 8' 16' 24' 32'

BILL OF MATERIAL
= PULL STATION / SURFACE OF RECESSED BOX
= HORN / STROBE (75db UNO)
= STROBE / WALL MTD. (60cd UNO)
= STROBE / CEILING MTD.
= SMOKE DETECTOR / CEILING MTD.
= REMOTE ANNUNCIATOR / RECESSED WALL
= FIRE ALARM CONTROL PANEL / SEMI-RECESSED WALL
= DUCT MOUNTED SMOKE DETECTOR WITH REMOTE ALARM INDICATOR. COORDINATE WITH U.O. CONSTRUCTION MGR. FOR LOCATION OF INDICATOR.

PHILLIPS

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188 MIDDLE STRET
PORTLAND, ME 04101

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URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC A. MENCKEN
No.10490
LICENSED PROFESSIONAL ENGINEER
7-27-11

ARCH PROJECT #: 1121907
DRAWN BY:

DRA
TPM

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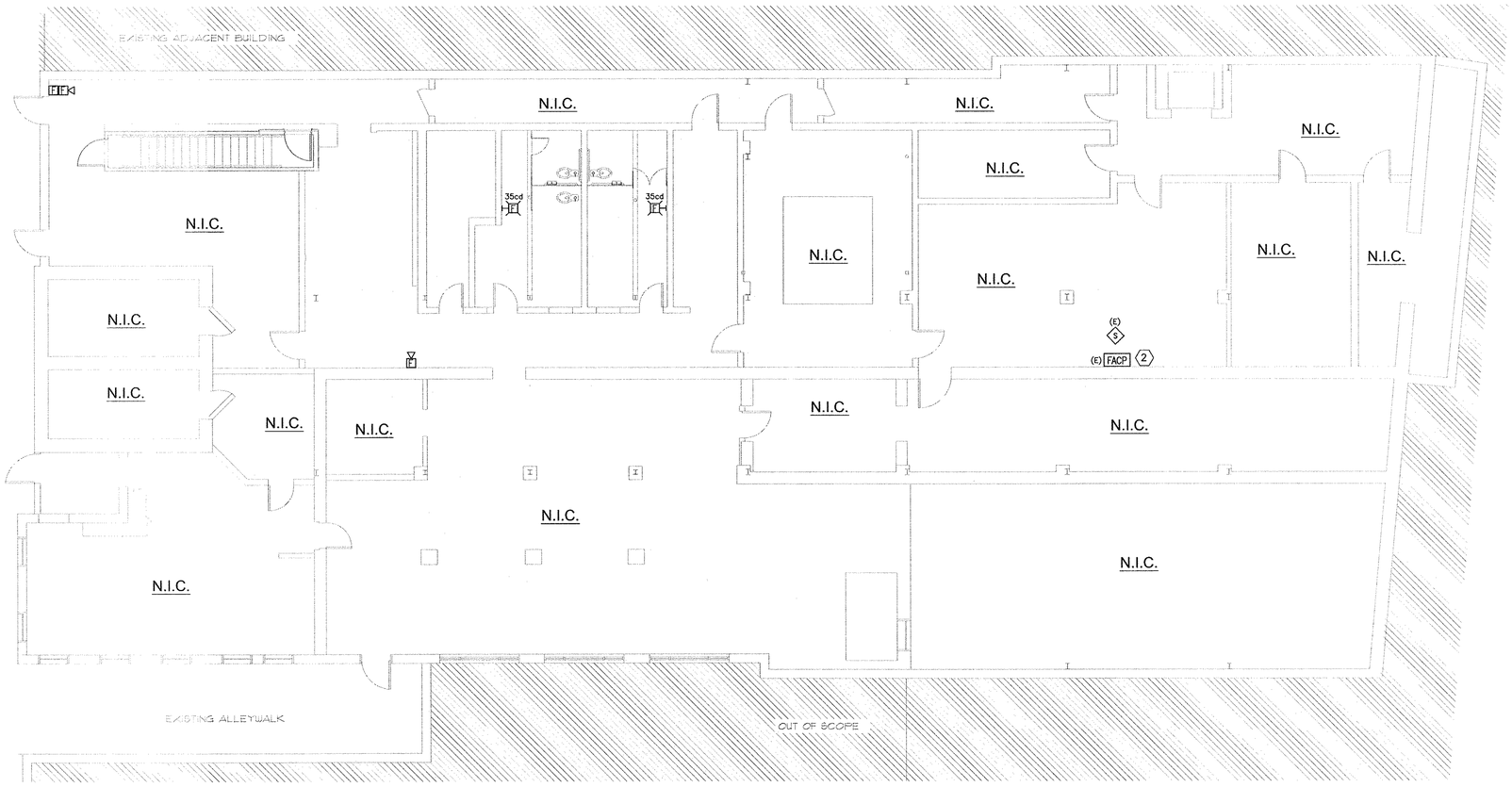
FIRE ALARM PLAN

SHEET NO. :
E300



1 BASEMENT LEVEL - FIRE ALARM PLAN

E301 SCALE: 1/8"-1'-0" 0 8' 16' 24' 32'

NOTE:

1. REFER TO SHEET E300 FOR FIRE ALARM NOTES AND LEGEND.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC A. MENCKEN
No. 9490
REGISTERED PROFESSIONAL ENGINEER
7-27-11

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DRAWN BY:

DRA
TPM

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REVISION :

SHEET TITLE :
FIRE ALARM PLAN

SHEET NO. :
E301

SPECIAL NOTES:

S1. COORDINATE WORK WITH THE GENERAL CONTRACTOR TO LEAST INTERFERE WITH THE LANDLORD'S USE OF THE FACILITY. GENERAL CONTRACTOR MAY REQUIRE WORK INTERRUPTIONS DURING THE DAY AND MAY REQUIRE CERTAIN WORK TO BE PERFORMED ON PREMIUM TIME AT NIGHT OR ON WEEKENDS.

S2. UNLESS NOTED OTHERWISE MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT SHALL BE AS FOLLOWS:
SWITCHES: 4'-0" A.F.F. TO CENTER OF BOX
RECEPTACLES: 18" A.F.F. TO CENTER OF BOX
TELEPHONE: 18" TO CENTER OF BOX (DESK TYPE ONLY)

S3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED AND SMOKE RATED WALLS. SEAL ALL CONDUIT PENETRATIONS THROUGH SUCH WALLS IN ACCORDANCE WITH SPECIFICATIONS.

S4. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL ONLY. FOR EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, ETC., REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS.

S5. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

S6. VISIT AND EXAMINE CAREFULLY THE BUILDING SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK, BEFORE SUBMITTING PROPOSALS. SUBMISSION OF A PROPOSAL WILL BE EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED.

S7. NOTE NOT USED.

S8. ALL OUTLETS MOUNTED ABOVE COUNTER SHALL BE INSTALLED HORIZONTALLY AND NOT VERTICALLY. IN AREAS WHERE COUNTERS ARE PROVIDED, COORDINATE EXACT LOCATION OF OUTLETS AND WIRING WITH CASEWORK

S9. CONTRACTOR SHALL COORDINATE WITH ALL "VENDOR" TRADES FURNISHING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO INSURE COMPLIANCE WITH VENDOR REQUIREMENTS. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER, AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.

S10. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATION MUST BE CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.

S11. COORDINATE WORK WITH FIELD CONDITIONS AND OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.

S12. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS.

S13. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.

S14. ALL OF THE BOXES, CONDUITS, WIRES, CONTROL STATIONS, SLEEVES, INSERTS, FRAMES AND ANCHORS ARE NOT SHOWN ON THE DRAWINGS. ONLY MAJOR ITEMS ARE SHOWN. COORDINATE ALL WORK AS REQUIRED FOR PROPER DEMOLITION AND INSTALLATION.

S15. NO WIRING SHALL BE DONE PRIOR TO THE CONTRACTOR'S REVIEW OF THE PROJECT EQUIPMENT SHOP DRAWINGS. COORDINATE FIELD CONDITIONS WITH THE DESIGN DOCUMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION FOR FINAL RESOLUTION. WORK THAT HAS TO BE REPLACED DUE TO LACK OF PROPER SHOP DRAWINGS COORDINATION SHALL BE DONE AT CONTRACTOR'S EXPENSE.

S16. NEW PANELS SHALL NOT BE INSTALLED BELOW WATER PIPES OR VENTILATION DUCTS.

S17. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS. (NOT ALL LOCAL DISCONNECT SWITCHES ARE SHOWN).

S18. ALL OUTLETS BOXES SHALL BE PROVIDED WITH PROPER COVER PLATES.

S19. CIRCUITS ARE SIZED ASSUMING NO MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT. FOR CONDUITS CONTAINING MORE THAN THREE, PROVIDE APPROPRIATE DERATING OF CONDUCTORS PER APPLICABLE CODES.

S20. THE ACTIVATION OF A DUCT SMOKE DETECTOR SHALL CAUSE A VISUAL AND AUDIBLE SIGNAL IN A NORMALLY OCCUPIED LOCATION. EACH DUCT DETECTOR SHALL INDICATE A TROUBLE CONDITION VISUALLY OR AUDIBLY AND DEVICE SHALL BE LABELED "DUCT SMOKE DETECTOR TROUBLE". INSTALLATION SHALL COMPLY WITH NFPA 90A-4-4.4.3 WHERE IN-DUCT SMOKE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS, MORE THAN 10 FEET ABOVE THE FINISHED FLOOR, OR IN ARRANGEMENTS WHERE THE DETECTOR'S ALARM INDICATOR IS NOT READILY VISIBLE TO RESPONDING PERSONNEL, THE DETECTORS SHALL BE PROVIDED WITH REMOTE ALARM INDICATORS. REMOTE ALARM INDICATORS SHALL BE INSTALLED AT READILY ACCESSIBLE LOCATION AND SHALL BE CLEARLY LABELED TO INDICATE BOTH THEIR FUNCTION (E.G. IN-DUCT SMOKE DETECTOR ALARM") AND THE ROOF TOP UNIT ASSOCIATED WITH THE DETECTOR IN ACCORDANCE WITH NFPA 72.5-10.6.8.

S21. THE BACKBOARDS USED FOR THE TELEPHONE AND OTHER SYSTEMS SHALL BE FIRE RATED. INSTALL THE BACKBOARDS TO THE RATING STAMP CAN BE SEEN FOR INSPECTION. DO NOT PAINT OVER STAMP.

S22. ELECTRICAL SYSTEMS FOR WHEELCHAIR LIFT SHALL COMPLY WITH THE CANADIAN ELECTRICAL CODE (CEC) 2006.

S23. PROVIDE SIGNAGE AT THE LIFT POWER DISCONNECTING MEANS TO IDENTIFY THE LOCATION OF THE SUPPLY SIDE CIRCUIT PROTECTION DEVICE IN ACCORDANCE WITH THE CANADIAN ELECTRCIAL CODE (CEC) 2006.

SYMBOL LIST

SYMBOL	DESCRIPTION
$	SINGLE POLE SWITCH
$ 3W	THREE WAY SWITCH
$ T	THERMAL OVERLOAD SWITCH - "P" DENOTES PILOT LIGHT
$ D	DIMMER SWITCH LUTRON # NT-1000.
$ M	MOTOR RATED SWITCH
TC	TIMECLOCK - TORK MODEL DW200 OR EQUIVALENT.
OS	OCCUPANCY SENSOR CEILING MOUNTED. WATTSTOPPER. SPECIFY ON DRAWINGS
OS	WALL MOUNTED OCCUPANCY SENSOR - WATTSTOPPER PW-100.
$ F.D.	120V., 15AMP DPST FUSED DISCONNECT SWITCH FOR ELEVATOR SIGNAL SUPPLY, COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ANY INSTALLATION.
$ C.L.	120V., 15AMP SPST FUSED DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING, COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ANY INSTALLATION.
	DUPLEX CONVENIENCE OUTLET (+ 18" ABOVE FINISHED FLOOR)
	SIMPLEX RECEPTACLE
	DOUBLE DUPLEX OUTLET (+ 18" ABOVE FINISHED FLOOR)
	DUPLEX CONVENIENCE OUTLET MOUNTED 6" ABOVE COUNTER TOP
	FLUSH FLOOR MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED OUTLET BOX WITH DOUBLE DUPLEX RECEPTACLE
	RECEPTACLE - RATING & VOLTAGE AS INDICATED ON DRAWINGS
	DATA OUTLET
P W	TELEPHONE OUTLET (+ 18" ABOVE FINISHED FLOOR) "W" DENOTES WALL MOUNTED (+54" ABOVE FINISHED FLOOR) "P" DENOTES PUBLIC PAY PHONE (+54" ABOVE FINISHED FLOOR)
J , J	JUNCTION BOX - WALL OR CEILING MOUNTED
	NON - FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH - DEVICE AS NOTED
	MOTOR CONNECTION - H.P. AS NOTED ON DRAWINGS
	CONDUIT RUN CONCEALED IN CEILING OR WALLS
	CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
	CONDUIT RUN EXPOSED
	HOMERUN TO PANEL INDICATING CIRCUIT NUMBERS - ALL WIRING SHALL BE #12 WITH GROUND WIRE UON (INCREASE TO #10 FOR CIRCUITS BETWEEN 100 AND 200 LF) CONSULT ENGINEER FOR RUNS OVER 200 LIN FEET IF WIRE SIZE IS NOT INDICATED - ALL HOMERUNS SHALL BE TO A 20 AMPERE, 1 POLE CIRCUIT BREAKER UON. WIRE FILL AS REQUIRED FOR APPLICATION INDICATED.
	"X" DENOTES GROUND WIRE, LONG SLASH (|) DENOTES NEUTRAL AND SHORT SLASH (|) DENOTES HOT CONDUCTOR
	RIGID CONDUIT WITH EXPLOSION PROOF SEAL-OFF.
	CONDUIT INSTALLED WITH ONE INTERCOM CABLE.
	CONDUIT INSTALLED WITH ONE MICROPHONE CABLE.
DC	DIRECT CURRENT WIRING, 2#12 IN 3/4" CONDUIT.
	CONDUIT UP OR DOWN AS MARKED.
	GROUND CONNECTION.
	JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FINAL EQUIPMENT CONNECTION
	CONDUIT STUBBED UP
	CONDUIT STUBBED DOWN
	TRANSFORMER

SYMBOL LIST

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	SWITCH & FUSE
	PANELBOARD - 208Y/120V-3ph-4W
	PANELBOARD - 480/277V-3ph-4W
	PANELBOARD - 240/120V-1ph-3W
	DISTRIBUTION PANELBOARD - TOP OF PANELBOARD AT 6'-6" A.F.F.
CP	CONTROL PACKAGE - ALL CONTROLLING DEVICES, STARTERS, ASSOCIATED CONTROL STATIONS AND ASSOCIATED CONTROL WIRING SHALL BE FURNISHED, INSTALLED AND WIRED BY EQUIPMENT SUPPLIER. POWER WIRING AND DISCONNECTING DEVICES ONLY SHALL BE UNDER THIS DIVISION OF THE WORK UNLESS NOTED OTHERWISE.
	TELEPHONE TERMINAL CABINET
TR	CONTROL TRANSFORMER REFER TO DETAIL 3/E403
B	WALL MOUNTED BELL REFER TO DETAIL 3/E403
	DOORBELL PUSHBUTTION REFER TO DETAIL 3/E403
	SECURITY CAMERA.
T	THERMOSTAT (FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR). INSTALL AT 5'-0" A.F.F.
TV	TELEVISION OUTLET
AMP	AMPLIFIER
S	SPEAKER
VC	SOUND SYSTEM VOLUME CONTROL.
VR	VIDEO RACK.
KP	SECURITY KEYPAD
C	DOOR CONTACT
E	EMERGENCY PUSH BUTTON CONNECTED TO ALARM SYSTEM
T	OFFICE TELEPHONE JUNCTION BOX
TC	OFFICE DATA/POS SYSTEM JUNCTION BOX
PIR	SECURITY SYSTEM PASSIVE INFRARED SENSOR
RX	AUDIBLE SECURITY ALARM
FCP	FIRE ALARM CONTROL PANEL, TOP OF PANEL AT +6'-0" A.F.F.
F	FIRE ALARM PULL STATION MOUNTED AT 48" AFF UON
F	FIRE ALARM HORN WITH STROBE LIGHT - WALL MOUNTED AT 80" AFF UON
F	FIRE ALARM STROBE LIGHT - WALL MOUNTED AT 80" AFF UON
F	FIRE ALARM STROBE LIGHT - RECESSED CEILING MOUNTED
	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED
	FIRE ALARM DUCT SMOKE DETECTOR - WITH REMOTE TEST STATION - COORDINATE DUCT MOUNTING WITH THE MC
T/S F/S	SPRINKLER SYSTEM TAMPER SWITCH/FLOW SWITCH - FURNISHED AND INSTALLED BY MC, WIRED BY EC
	FIRE ALARM HEAT DETECTOR - CEILING MOUNTED
+3'-10"	HEIGHT ABOVE FLOOR TO CENTER LINE OF OUTLET BOX.
A.	DENOTES AMPERES
A.F.F.	DENOTES ABOVE FINISHED FLOOR
C.	DENOTES CONDUIT
CO	DENOTES CONDUIT ONLY
ETR	DENOTES EXISTING TO REMAIN
GFI	DENOTES GROUND FAULT INTERRUPTER
GRD.	DENOTES GROUND
IG	ISOLATED GROUND
NF	DENOTES NON FUSED
N.I.C.	DENOTES NOT IN CONTRACT
NL	DENOTES NIGHT LIGHT
UNO	DENOTES UNLESS NOTED OTHERWISE
UOI	UBRAN OUTFITTERS INCORPORATED
WP	DENOTES WEATHERPROOF

PHILLIPS

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PORTLAND, ME 04101

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PH: (215) 454.5500

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REVISION :

SHEET TITLE :
ELECTRICAL SYMBOLS & FLAG NOTES

SHEET NO. :
E400

GENERAL LIGHTING FIXTURE SCHEDULE NOTES:

1. INSTALLATION OF FIXTURES SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO CODE REQUIREMENTS.
2. ALL LIGHTING FIXTURES SHALL BE SUPPLIED BY URBAN OUTFITTERS UNLESS NOTED OTHERWISE.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE U-CHANNEL (UNI-STRUT OR EQUAL) TO SPAN STRUCTURAL MEMBERS AND PROVIDE SUPPORT FOR LIGHTING FIXTURES.
4. ALL FIXTURES SHALL BE RECEIVED, UNLOADED, INVENTORIED, HANDLED, STORED, PROTECTED, UNCRATED, ASSEMBLED, INSTALLED, WIRED, LAMPED ETC. BY THE ELECTRICAL CONTRACTOR (EC). EC SHALL CONFIRM CONDITION, QUANTITY, AND SPECIFICATION OF FIXTURES UPON RECEIPT. EC SHALL IMMEDIATELY REPORT ANY DAMAGE, MISSING ITEMS OR DEVIATIONS FROM SPEC.
5. EXIT AND EMERGENCY LIGHTING FIXTURES TYPES AND LOCATIONS ARE SUBJECT TO BUILDING DEPARTMENT AND FIRE DEPARTMENT APPROVAL.
6. ALL LIGHTING FIXTURES, WIRING METHODS, ETC. WITHIN A PLENUM CEILING MUST BE "PLENUM APPROVED" AS PER LOCAL ORDINANCES.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.
8. INSTALLATION OF LIGHTING FIXTURES SHALL BE CAREFULLY COORDINATED WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND SPRINKLER DRAWINGS TO AVOID CONFLICTS . IF CONFLICTS SHOULD ARISE, EC SHALL CLARIFY WITH ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
9. ELECTRICAL CONTRACTOR SHALL CONFIRM ALL LIGHTING FIXTURE QUANTITIES WITH PLAN DRAWINGS PRIOR TO SUBMISSION OF BID. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE QUANTITIES OF FIXTURES NECESSARY TO COMPLETE THE PROJECT AS INDICATED ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
10. WHEN AVAILABLE, ALL HID LAMPS SHOULD BE SUPPLIED AS MASTER COLOR LAMPS.

URBAN OUTFITTERS
188 MIDDLE STREET PORTLAND, ME 04101

TLP PROJECT NUMBER:
11017.12

TLP ISSUE DATE:
06/23/11

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPING / LAMP DESIGNATION	LOAD (VA)	VOLTS	MANUFACTURER	CATALOG NUMBER	MTG.	
A17	COMPACT FLUORESCENT OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	F42TBX/830/A/ECO	45		SPECTRUM	SGRM6V-142-EX-AR6410CL	REC	
B1	LINEAR FLUORESCENT COVE SYSTEM. PROVIDE A CONTINUOUS STAGGERED PATTERN OF 1-LAMP FIXTURES IN ARCHITECTURAL COVE. STAGGER OVERLAP BETWEEN ROWS SHALL BE MINIMUM 6 INCHES. DISTANCE BETWEEN LAST FIXTURE AND END OF COVE SHALL BE MAXIMUM 6 INCHES. PROVIDE QUANTITY OF 4-FOOT AND/OR 3-FOOT 1-LAMP CHANNELS AS REQUIRED FOR LIGHT ALONG FULL LENGTH OF COVE. CHANNEL SHALL BE MAXIMUM 2.75 INCHES WIDE X 3 INCHES HIGH INCLUDING LAMP, PROVIDE TANDEM-WIRED 2-LAMP AND 4-LAMP ELECTRONIC BALLASTS.	F025/830/ECO AND/OR F032/830/ECO CONTINUOUS, STAGGERED	15 PER FOOT		MERCURY	MM-1-25/32-OCT-C-ELBS-120V	COVE	
D1	INDUSTRIAL FLUORESCENT CHANNEL, NOMINAL 48 INCH LONG x 1.5 INCHES WIDE x 2 3/8 INCHES HIGH INCLUDING LAMP, ELECTRONIC BALLAST. REFERENCE DETAIL LSK 20110620E FOR MOUNTING SPECIFICS,	F28T5/TL830	37		LEGION	1600-128-8T	SURF	
F1	METAL HALIDE LOWBAY PENDANT LUMINAIRE, NOMINAL 16 INCH DIAMETER x 14 INCH HIGH CAST ALUMINUM HOUSING, GALVANIZED FINISH FOR HOUSING AND MOUNTING, LUMINAIRE TO BE MOUNTED FROM CANOPY CONTAINING BALLAST WITH STEM OF SUFFICIENT LENGTH THAT BOTTOM OF FIXTURE IS 13'-0" ABOVE FINISHED FLOOR	MCP100/U/MED/830PB	125		HILITE	H-16216-96-FR/(LENGTH)ST-96-100/MH-BCM-M	PEND	
H1	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, SPOT OPTIC AND CROSS-BLADE BAFFLE, UNFINISHED SO AS TO PROVIDE INDUSTRIAL/MILLED APPEARANCE. CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION.	MC70T6/U/G12/830PB	77		AMERLUX	MTB-70-T6-E-UNFINISHED-TN1-[VOLTS]-CL-CB	TRACK	
H1A	CYLINDRICAL DIE CAST ALUMINUM METAL HALIDE TRACK HEAD WITH 360° ROTATION AND INTEGRAL BALLAST HOUSING, FLOOD OPTIC AND LINEAR SPREAD LENS, UNFINISHED SO AS TO PROVIDE INDUSTRIAL/MILLED APPEARANCE. CONTRACTOR TO PROVIDE ALL NECESSARY LENGTHS, FEEDS, CONNECTORS, SUPPORTS, AND OTHER COMPONENTS FOR COMPLETE AND CODE COMPLIANT INSTALLATION.	MC70T6/U/G12/830PB	77		AMERLUX	MTB-70-T6-E-UNFINISHED-TN1-[VOLTS]-FL-SL	TRACK	
H2	SAME AS FIXTURE TYPE H1, EXCEPT FOR FLOOD OPTIC AND LAMPING	MC39T6/U/G12/830PB	45		AMERLUX	MTB-70-T6-E-UNFINISHED-TN1-[VOLTS]-FL-CB	TRACK	
H2A	SAME AS FIXTURE TYPE H1A, EXCEPT FOR FLOOD OPTIC AND LAMPING	MC39T6/U/G12/830PB	45		AMERLUX	MTB-70-T6-E-UNFINISHED-TN1-[VOLTS]-FL-SL	TRACK	
H3	SAME AS FIXTURE TYPE H1, EXCEPT FOR NARROW FLOOD OPTIC AND LAMPING	MC39T6/U/G12/830PB	45		AMERLUX	MTB-70-T6-E-UNFINISHED-TN1-[VOLTS]-NF-CB	TRACK	
K2	METAL HALIDE OPEN DOWNLIGHT, NOMINAL 6 INCH DIAMETER APERTURE BY 8 1/2 INCH MAXIMUM RECESS DEPTH, CLEAR SPECULAR ALZAK CONE AND RETURN FLANGE, SUITABLE FOR REMODEL/INSTALLATION FROM BELOW, UL DAMP LOCATION LABEL	CMH70PAR30L830FL	77		SPECTRUM	SGRM6MH-70-EX-PAR30-AR6415SG	REC	
R1	LINEAR LIGHT EMITTING DIODE (LED), .88 INCH WIDE X .78 INCH TALL, LENGTHS AS REQUIRED TO PROVIDE CONTINUOUS ILLUMINATION OF EXTERIOR SIGNAGE, FIXTURE TO DISPLAY 30 DEGREE BEAM SPREAD AND BE POPULATED WITH 3000 KELVIN LEDS, MOUNTING TO BE FIXED, ETL LISTED FOR WET LOCATIONS	INTEGRAL LED	3.95 PER FOOT		WINONA	WSL-103W-[LENGTH]-30-30K-ND24V-F-[FINISH]-STD	SURF	
T1	EXTRUDED ALUMINUM TRACK, PROVIDE LENGTH AS SHOWN ON DRAWINGS, PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM. REFERENCE DETAIL LSK 20110614A FOR MOUNTING SPECIFICS				AMERLUX	GES204-1+ACCESSORIES AS REQUIRED	SUSP	
T2	SAME AS T1 EXCEPT FOR MOUNTING CONDITION. REFERENCE DETAIL LSK 20110614B FOR MOUNTING SPECIFICS				AMERLUX	GES204-1+ACCESSORIES AS REQUIRED	SUSP	
T3	SAME AS T1 EXCEPT SURFACE MOUNTED TO FINISHED CEILING				AMERLUX	GES204-1+ACCESSORIES AS REQUIRED	SURF	
T4	SAME AS T1 EXCEPT FOR MOUNTING CONDITION. REFERENCE DETAIL LSK 20110614C FOR MOUNTING SPECIFICS				AMERLUX	GES204-1+ACCESSORIES AS REQUIRED	SURF	
C	4' SURFACE MOUNTED LINEAR T8 FLUORESCENT CHANNEL, INTEGRAL ELECTRONIC BALLAST, TUBE COVER	PHILIPS (2) 32W T8, ALTO, 3000K, 85CRI	58	120/277	MERCURY	MM2 32 OCT-ELB UNI	SURFACE MOUNTED	LIGHTING CONSOLIDATOR TO SUPPLY LEE TUBE COVERS
CE	SAME AS TYPE C, EXCEPT WITH INTEGRAL EMERGENCY BATTERY BACK-UP BALLAST, 1100 LUMENS MIN. FOR 90 MINS.							
CP	PENDANT MOUNTED 4' FLUORESCENT T8 STRIP LIGHT, NO REFLECTORS, WITH ELECTRONIC BALLAST AND TUBE COVER.	PHILIPS (2) 32W T8, ALTO, 3000K, 85CRI	58	120/277	MERCURY	MM2 32 OCT-ELB UNI	CHAIN HUNG	LIGHTING CONSOLIDATOR TO SUPPLY LEE TUBE COVERS
CPE	SAME AS TYPE CP, EXCEPT WITH INTEGRAL EMERGENCY BATTERY BACK-UP BALLAST, 1100 LUMENS MIN. FOR 90 MINS.							
EMP	PENDANT MTD. EMERGENCY LIGHT WITH TWO HEADS, 90 MIN. BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT AND TIME DELAY.	6 VOLT LAMPS INCLUDED - 7.2 W - SEALED BEAM	12	120 V	DUAL-LITE	EZ-2	PENDANT (BY EC) HUNG AT SAME HEIGHT AS "A"	TIME DELAY TO TURN UNIT OFF LIGHT 15 MINS AFTER RESTORATION OF NORMAL POWER TO UNIT.
EMW	WALL MTD. EMERGENCY LIGHT WITH TWO HEADS, 90 MIN. BATTERY BACKUP, TEST SWITCH AND POWER INDICATOR LIGHT AND TIME DELAY.	6 VOLT LAMPS INCLUDED - 7.2 W - SEALED BEAM	12	120 V	DUAL-LITE	EZ-2	SURFACE MOUNT	TIME DELAY TO TURN UNIT OFF LIGHT 15 MINS AFTER RESTORATION OF NORMAL POWER TO UNIT.
EXP	PENDANT MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT. EC TO "SNAP" OUT ARROWS AS INDICATED ON LIGHTING PLAN.	LED	5	120 V	HIGH-LITES	BP-PLED-SG	PENDANT (BY EC) HUNG AT SAME HEIGHT AS "A"	
EXW	SURFACE WALL MOUNTED SINGLE OR DUAL FACE EXIT LIGHT WITH TEST SWITCH AND POWER INDICATOR LIGHT.	LED	5	120 V	HIGH-LITES	BP-PLED-SG	SURFACE MOUNT 12" ABOVE DOOR HEAD	

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC A. MENCHEN
No. 10490
LICENSED PROFESSIONAL ENGINEER
7-22-11

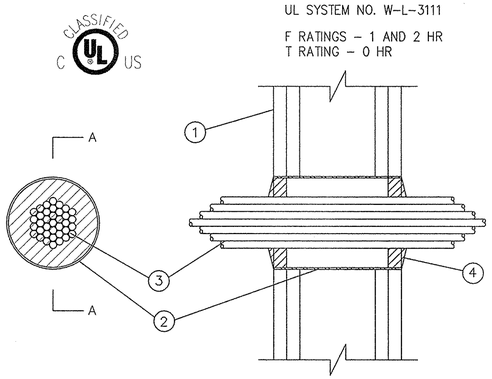
ARCH PROJECT #: 1121907
DRAWN BY:
DRA
TPM

ISSUE / DATE:
100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
LIGHTING FIXTURE SCHEDULE

SHEET NO. :
E401



1. WALL ASSEMBLY THE FIRE–RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IF THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS WALL FRAMING SHALL CONSIST OF EITHER WOOD STUDS OR CHANNEL SHAPED STEEL STUDS. WOOD STUDS TO CONSIST OF 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2–1/2 IN. WIDE, FABRICATED FROM MIN 25 MSG GALVANIZED STEEL, SPACED MAX 24 IN. OC.

B. GYPSUM BOARD* 5/8 IN. 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 4 IN.

2. METALLIC SLEEVE – OPTIONAL THE NOMINAL 4 IN. DIAM STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCHEDULE 5 STEEL PIPE FRICTION FIT INTO WALL ASSEMBLY AND INSTALLED FLUSH WITH WALL SURFACES.

3. CABLES AGGREGATE CROSS – SECTIONAL AREA OF CABLES IN CABLE TRAY TO BE MAX 25 PERCENT OF THE CROSS – SECTIONAL AREA OF THE OPENING. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPENING TO BE MIN 1/8 IN. TO MAX 3/4 IN. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:

A. 6 PAIR – NO. 24 AWG TELEPHONE CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND PVC JACKET.

B. 24 FIBER OPTIC CABLE WITH POLYVINYL CHLORIDE (PVC) OUTER AND SUBUNIT JACKET.

C. TYPE RGU/59 COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND POLYVINYL (PVC) JACKET.

D. THE 2/C NO. 10 AWG CABLE WITH GROUND WITH POLYVINYL (PVC) INSULATION AND JACKET.

E. 3/C NO. 12 AWG CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION IN A NOMINAL 1/2 IN. FLEXIBLE METAL CONDUIT.

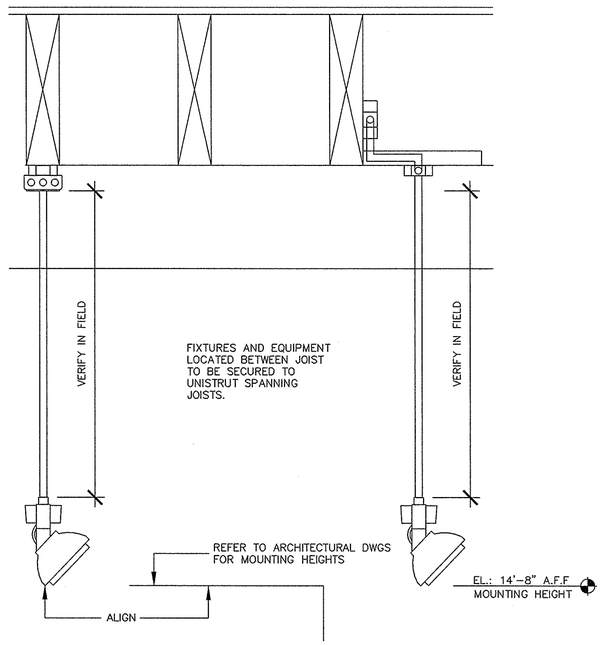
4. FILL, VOID OR CAVITY MATERIAL* PUTTY – MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL. FILL MATERIAL TO BE FORCED INTO INTERSTICES OF CABLE BUNDLE TO THE MAX EXTENT POSSIBLE ON BOTH SURFACES OF WALL. ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT A MIN 1/4 IN. CROWN IS FORMED AROUND THE CABLE BUNDLE AND LAPPED OVER THE STEEL SLEEVE.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – CP618 FIRESTOP PUTTY STICK

*BEARING THE UL CLASSIFICATION MARKING

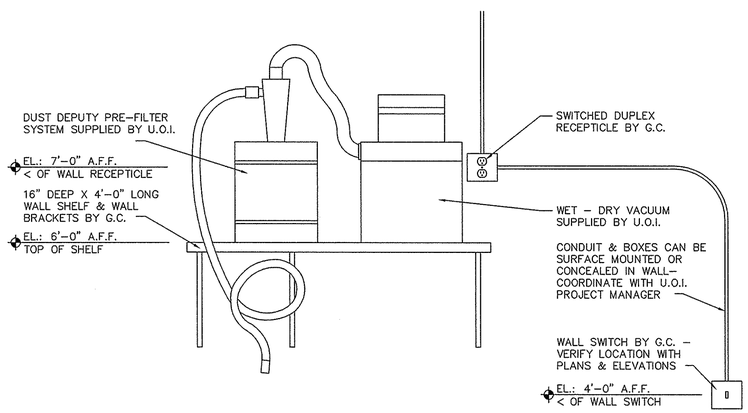
2 TYPICAL FIRESTOP DETAIL - CABLES

E402 SCALE: NONE



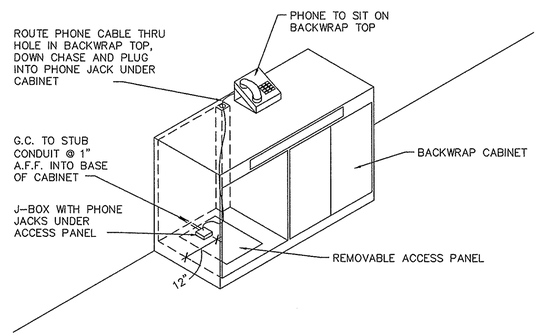
1 H1- LIGHT MOUNTING DETAIL

E402 SCALE: 1-1/2"=1'-0"



3 SHOP VACUUM / DUST DEPUTY DETAIL

E402 SCALE: 1"=1'-0"



4 DETAIL- BACKWRAP PHONE LOCATION

E402 SCALE: 1/2"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC A. MENCKEN
No. 10499
LICENSED PROFESSIONAL ENGINEER
7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:

EAM
EAM

ISSUE / DATE:

100% CHECKSET
07-08-11
PERMIT/ BID SET
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ISSUED FOR CONSTRUCTION
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REVISION :

SHEET TITLE :
ELECTRICAL DETAILS

SHEET NO. :
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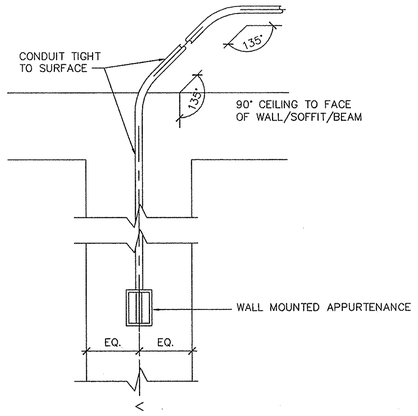
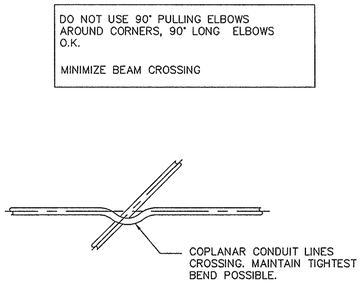


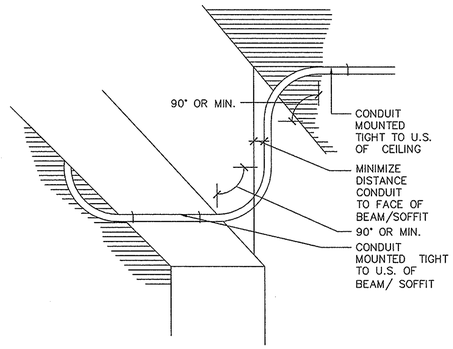
1 WALL MOUNTED CONDUIT DETAIL

E403 SCALE: NONE



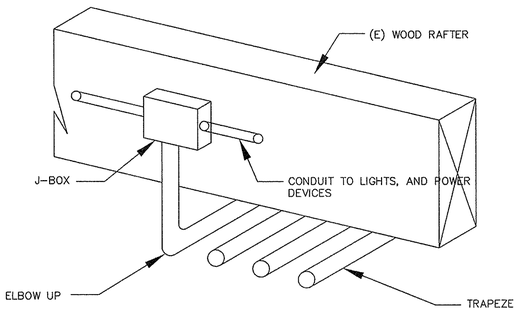
2 CONDUIT DETAIL

E403 SCALE: NONE



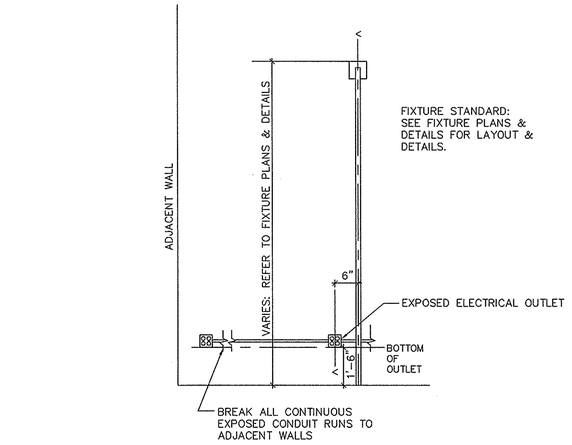
3 CONDUIT DETAIL

E403 SCALE: NONE



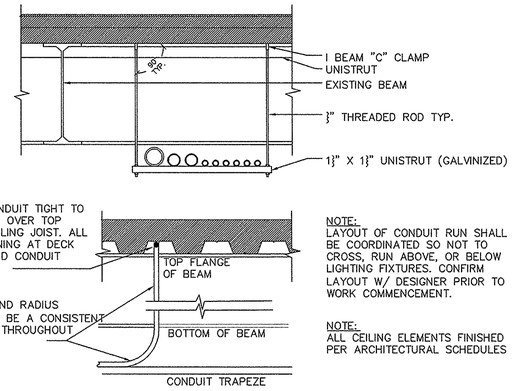
4 TRAPEZE DETAIL

E403 SCALE: NONE



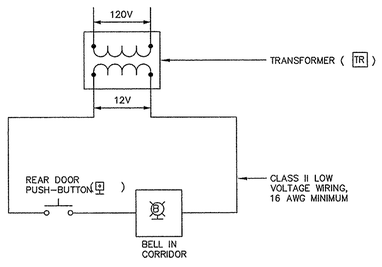
5 CONDUIT LOCATION AT WALL FIXTURE STANDARDS

E403 SCALE: NONE



6 CONDUIT TRAPEZE MOUNTING DETAIL

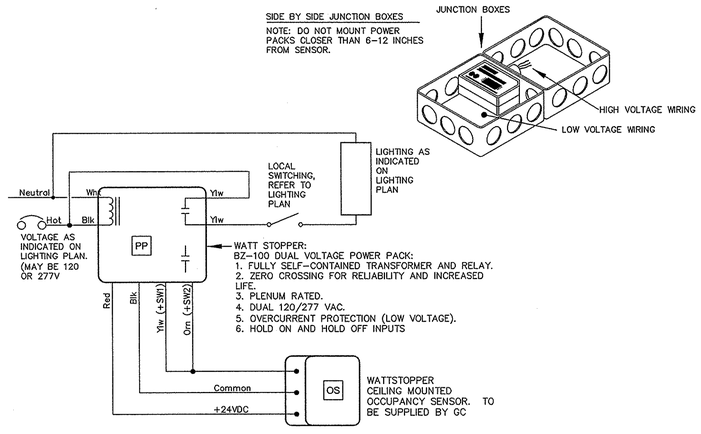
E403 SCALE: NONE



1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 120/12 VOLT TRANSFORMER FOR OPERATION OF REAR DOORBELL. MOUNT TRANSFORMER ADJACENT TO PANEL; TRANSFORMER SHALL BE EDWARDS # 88-250 OR EQUIVALENT.
2. AT REAR DOOR, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DOORBELL PUSH-BUTTON SURFACE MOUNTED ON OUTSIDE OF ENTRY DOOR. MOUNT PUSH-BUTTON @ 4'-6" AFF OR AS REQUIRED BY LANDLORD. PUSH-BUTTON SHALL BE EDWARDS #600 OR EQUIVALENT.
3. BELLS SHALL BE MOUNTED ON WALL AT 12'-0". USE EDWARDS # 660 OR EQUIVALENT INSTALLED IN A WALL MOUNTED BOX WITH WHITE LOUVERED COVER PLATE.

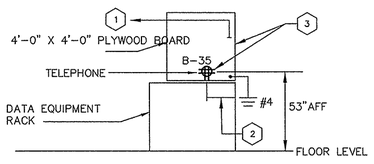
7 DOORBELL DETAIL

E403 SCALE: NONE



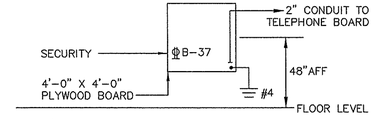
8 OCCUPANCY SENSOR WIRING DIAGRAM

E403 SCALE: NONE



9 PHONE BOARD MOUNTING DETAIL

E403 SCALE: NONE



10 SECURITY BOARD MOUNTING DETAIL

E403 SCALE: NONE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE · ERIC A. MENCKEN · No. 10490 · PROFESSIONAL ENGINEER · REGISTERED

7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:

EAM
EAM

ISSUE / DATE:

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REVISION :

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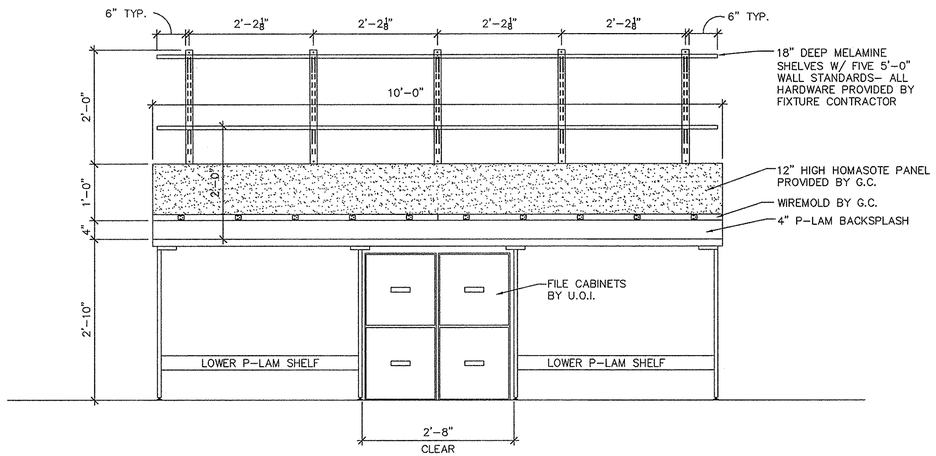
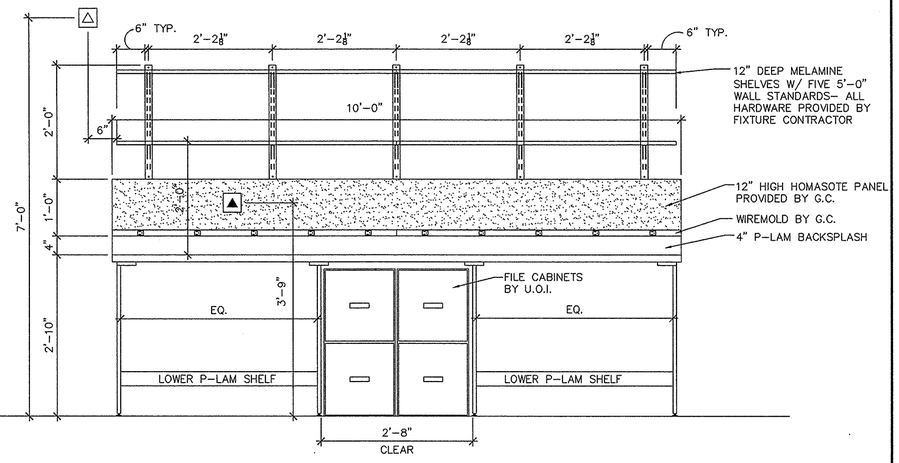


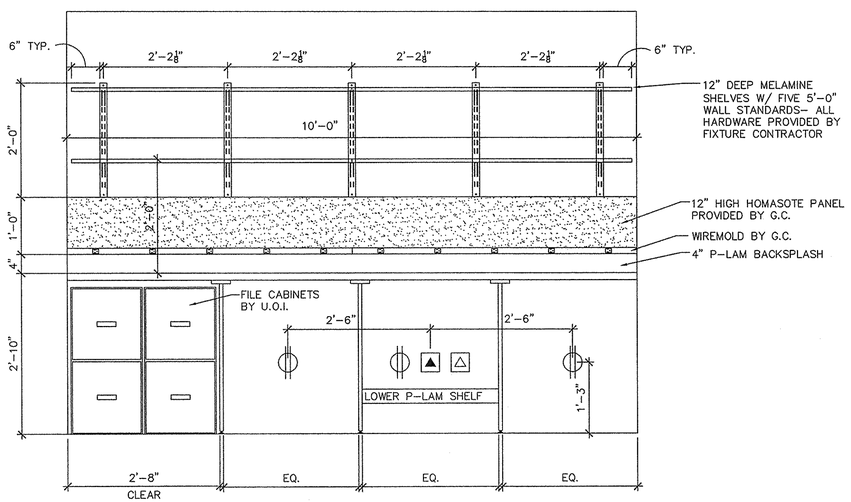
1 TYPICAL VISUAL MERCHANDIZING CASEWORK ELEVATION

E404 SCALE: 3/4"=1'-0" (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)



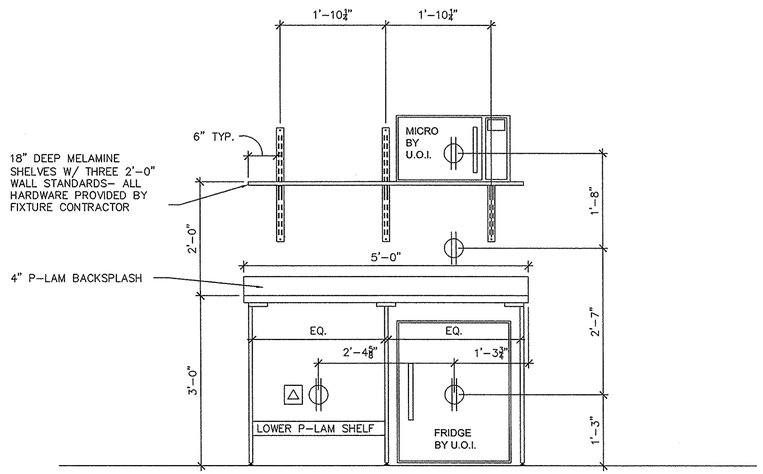
2 TYPICAL STOCKROOM CASEWORK ELEVATION

E404 SCALE: 3/4"=1'-0" (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)



3 TYPICAL OFFICE CASEWORK ELEVATION

E404 SCALE: 3/4"=1'-0" (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)



4 TYPICAL EMPLOYEE CASEWORK ELEVATION

E404 SCALE: 3/4"=1'-0" (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)

PHILLIPS

URBAN OUTFITTERS

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PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
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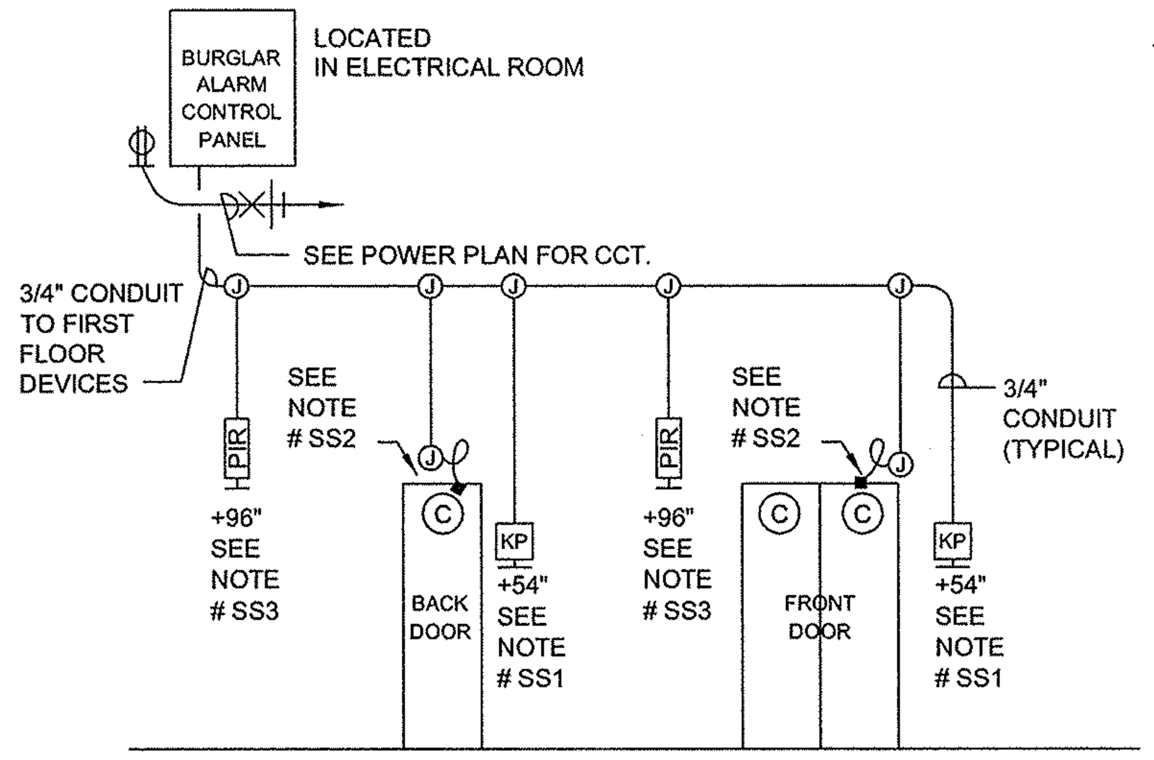
REVISION :

SHEET TITLE :
ELECTRICAL DETAILS

SHEET NO. :
E404



SECURITY SYSTEM NOTES:

SS1. PROVIDE SINGLE GANG BOX AND TRIM RING AND 3/4" CONDUIT FOR SECURITY KEYPAD.

SS2. PROVIDE CONDUIT FROM DOOR FRAME FOR DOOR CONTACTS AT EACH EXIT DOOR.

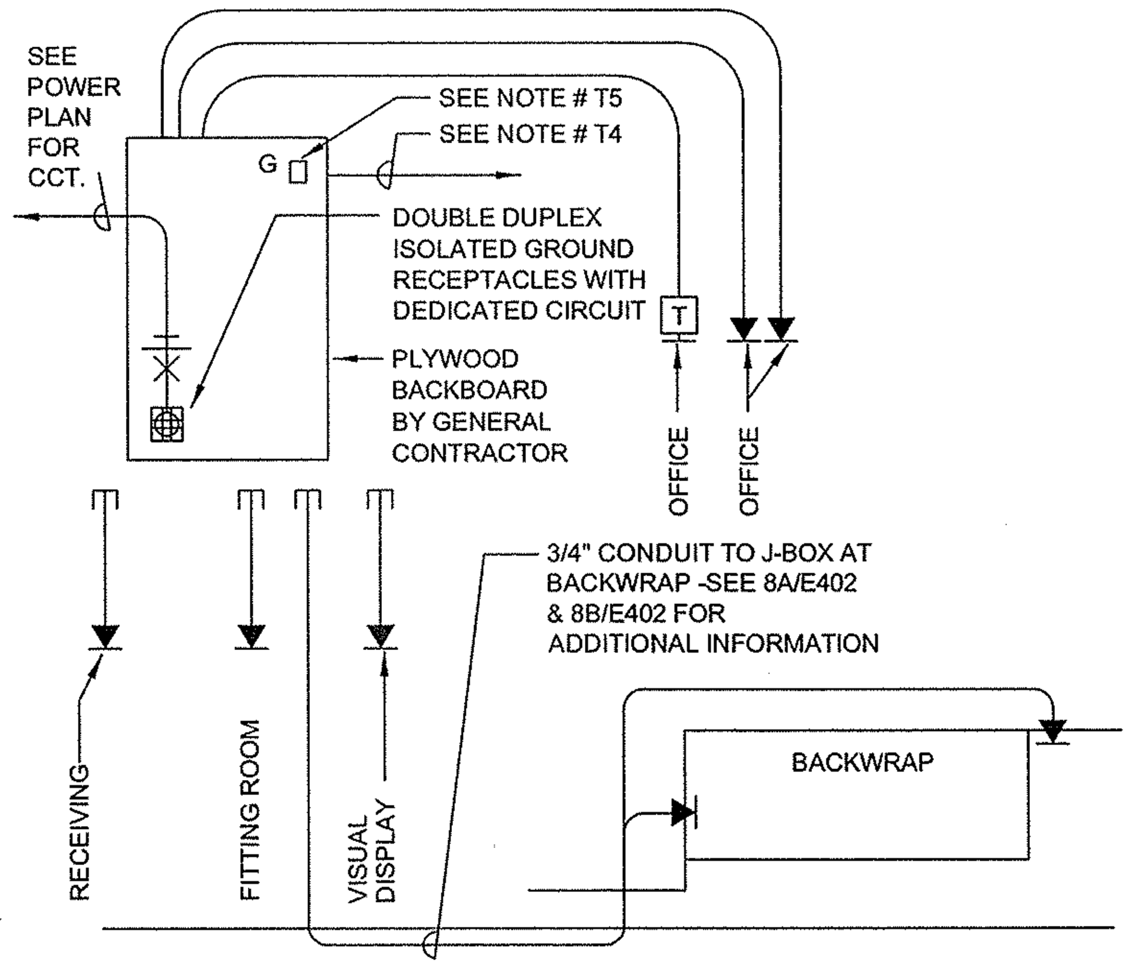
SS3. PROVIDE DOUBLE GANG BOX AND SINGLE GANG TRIM RING AND 3/4" CONDUIT FOR PASSIVE INFRARED SECURITY SENSOR.

SS4. PROVIDE DOUBLE GANG BOX AND SINGLE GANG TRIM RING AND 3/4" CONDUIT FOR AUDIBLE SECURITY ALARM.

SS5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACKBOXES, TRIM RINGS, CONDUITS, WIRING AND BUSHINGS FOR BURGLAR ALARM SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO BURGLAR ALARM CONTROL PANEL. WIRING, TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL BURGLAR ALARM DEVICES SHALL BE BY BURGLAR ALARM VENDOR. REFER TO SECURITY SYSTEM DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH SECURITY VENDOR PRIOR TO ANY ROUGH-IN.

1 SECURITY SYSTEM RISER DIAGRAM

E405 SCALE: NONE



TELEPHONE SYSTEM NOTES:

T1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL EMPTY CONDUIT FROM EACH TELEPHONE LOCATION SHOWN ON PLAN TO TELEPHONE EQUIPMENT AREA. DETERMINE TELEPHONE EQUIPMENT LOCATION FROM TELEPHONE UTILITY COMPANY OR CONTRACTOR.

T2. EMPTY CONDUITS SHALL BE 1" UNLESS NOTED OTHERWISE. SEE GENERAL ELECTRICAL NOTES REGARDING INSTALLATION OF CONDUIT TO COUNTERS.

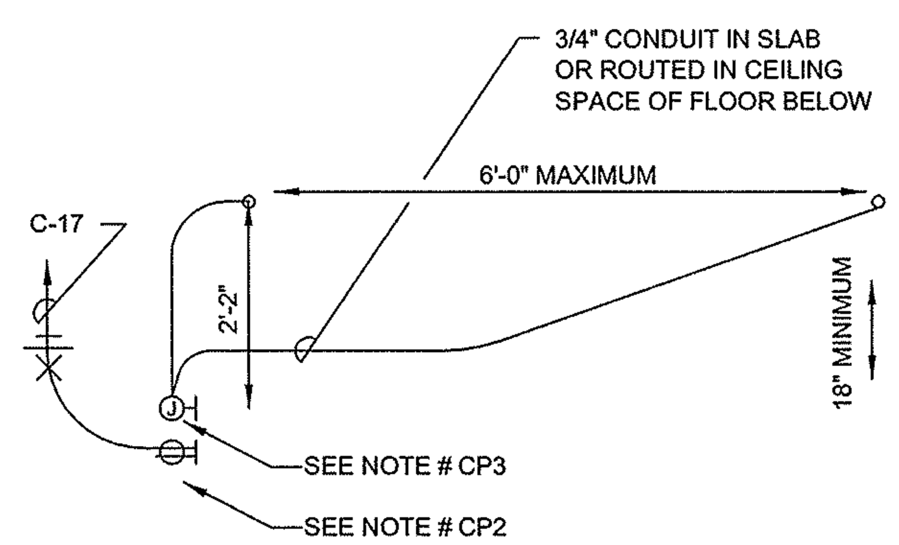
T3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACKBOXES, TRIM RINGS, CONDUITS AND BUSHINGS FOR TELEPHONE SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO TELEPHONE SYSTEM BACKBOARD. WIRING, TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL TELEPHONE DEVICES SHALL BE BY CONTRACTOR. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH URBAN OUTFITTERS IT REPRESENTATIVE PRIOR TO ANY ROUGH-IN.

T4. LANDLORD SHALL PROVIDE 2" EMPTY CONDUIT TO BUILDING TELEPHONE ROOM OR POINT OF TELEPHONE COMPANY LOCATION AS REQUIRED BY SPECIFIC PROJECT - VERIFY REQUIREMENT WITH U.O.I. PROJECT MANAGER. COORDINATE EXACT LOCATION AND ROUTING IN FIELD WITH TELEPHONE COMPANY AND LANDLORD.

T5. ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND BUS WITH # 6 AWG GROUND CONDUCTOR TO POINT OF SERVICE GROUND OR BUILDING STEEL IF SERVICE GROUND IS OUTSIDE TENANT SPACE.

2 TELEPHONE SYSTEM RISER DIAGRAM

E405 SCALE: NONE



CHECKPOINT SYSTEM NOTES:

CP1. CHECKPOINT IS A SYSTEM WHICH WILL SOUND AN ALARM IF MERCHANDISE IS REMOVED FROM STORE WITHOUT A SPECIAL TAG FIRST BEING REMOVED.

CP2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 20 AMP 120 VOLT CIRCUIT (WITH GROUND WIRE) TO LOCATION SHOWN ON PLAN. TERMINATE CIRCUIT IN A DUPLEX RECEPTACLE INSTALLED @ 12' ABOVE FINISHED FLOOR. LOCATION SHOWN ON PLAN IS APPROXIMATE: DETERMINE PRECISE LOCATION IN FIELD.

CP3. STUB ALL CONDUITS UP 12' ABOVE FLOOR, PROVIDE EACH STUB UP WITH A FIBER BUSHING. PROVIDE A SINGLE GANG BACKBOX WITH SINGLE GANG PLASTER RING ADJACENT TO RECEPTACLE BACKBOX.

CP4. WHERE CHECKPOINT WIRING IS INSTALLED AT GRADE LEVEL, RACEWAYS MUST BE INSTALLED WITHIN CONCRETE FLOOR. ELECTRICAL CONTRACTOR MUST CUT CONCRETE FROM EACH REQUIRED LOCATION TO NEAREST PARTITION, COLUMN ENCLOSURE, ETC. INSTALL GRS CONDUIT OR IMC CONDUIT FROM EACH REQUIRED LOCATION TO NEAREST PARTITION, COLUMN ENCLOSURE, ETC. AFTER RACEWAYS HAVE BEEN INSTALLED, ELECTRICAL CONTRACTOR SHALL PATCH CONCRETE. WHERE THERE IS A FLOOR BELOW, RACEWAYS SHALL BE INSTALLED THROUGH CEILING SPACE BELOW. ELECTRICAL CONTRACTOR SHALL CORE HOLES THROUGH THROUGH FLOOR AT EACH REQUIRED LOCATION. RUN WIRING DOWN FROM FIRST LOCATION INTO CEILING SPACE BELOW, ACROSS CEILING SPACE THEN BACK UP TO SECOND LOCATION, ETC. WIRING THROUGH CEILING SPACE BELOW SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT). EXTENSIONS UP INTO CEILING SPACE ABOVE WITHIN PARTITIONS, COLUMN ENCLOSURES, ETC. SHALL ALSO BE INSTALLED IN EMT.

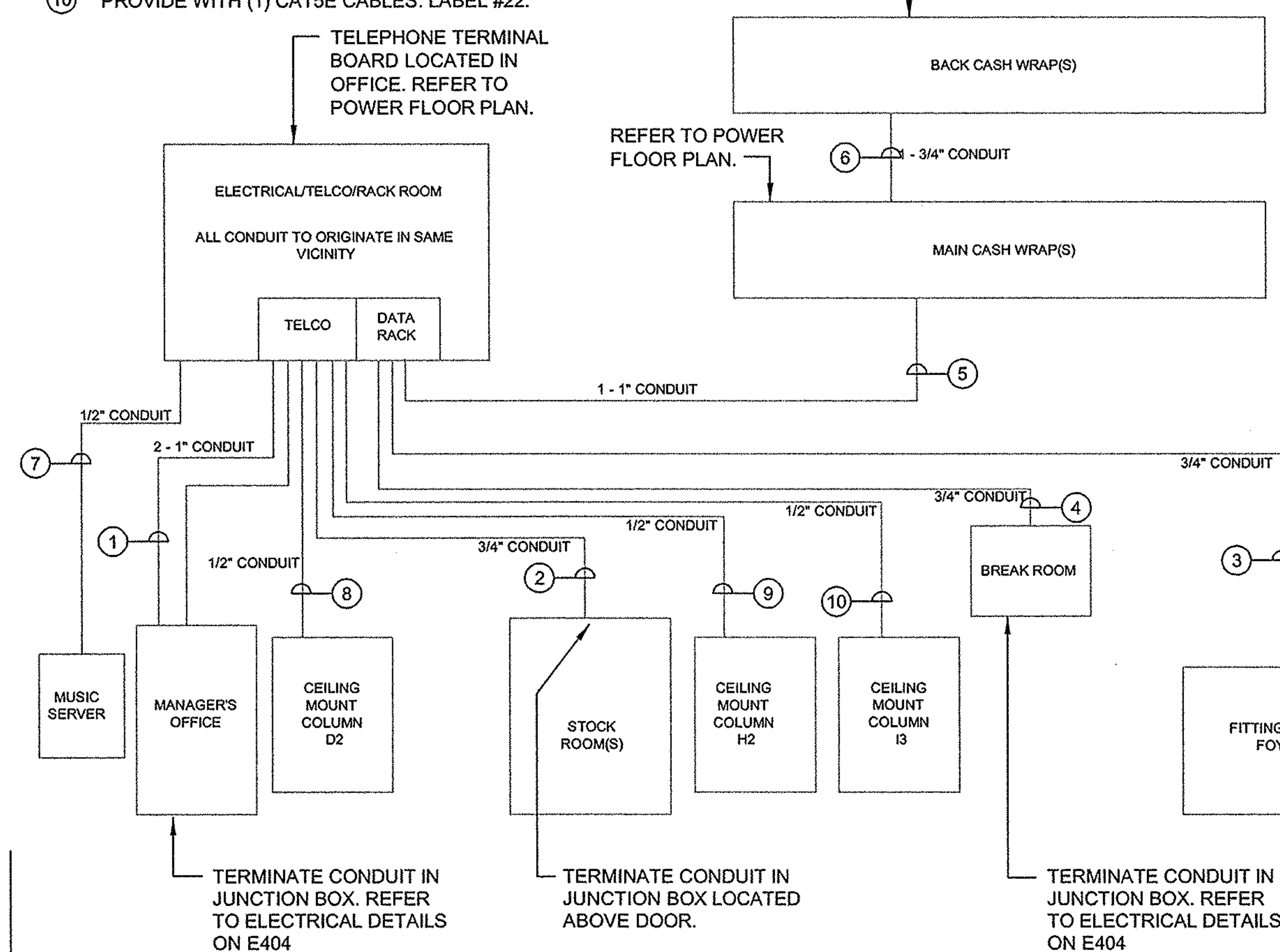
CP5. ALL RACEWAYS SHALL BE PROVIDED WITH WIRING. ALL EQUIPMENT, CONNECTIONS, ETC. REQUIRED FOR SYSTEM INSTALLATION WILL BE FURNISHED AND INSTALLED BY CHECKPOINT INSTALLER.

3 CHECKPOINT DETAIL

E405 SCALE: NONE

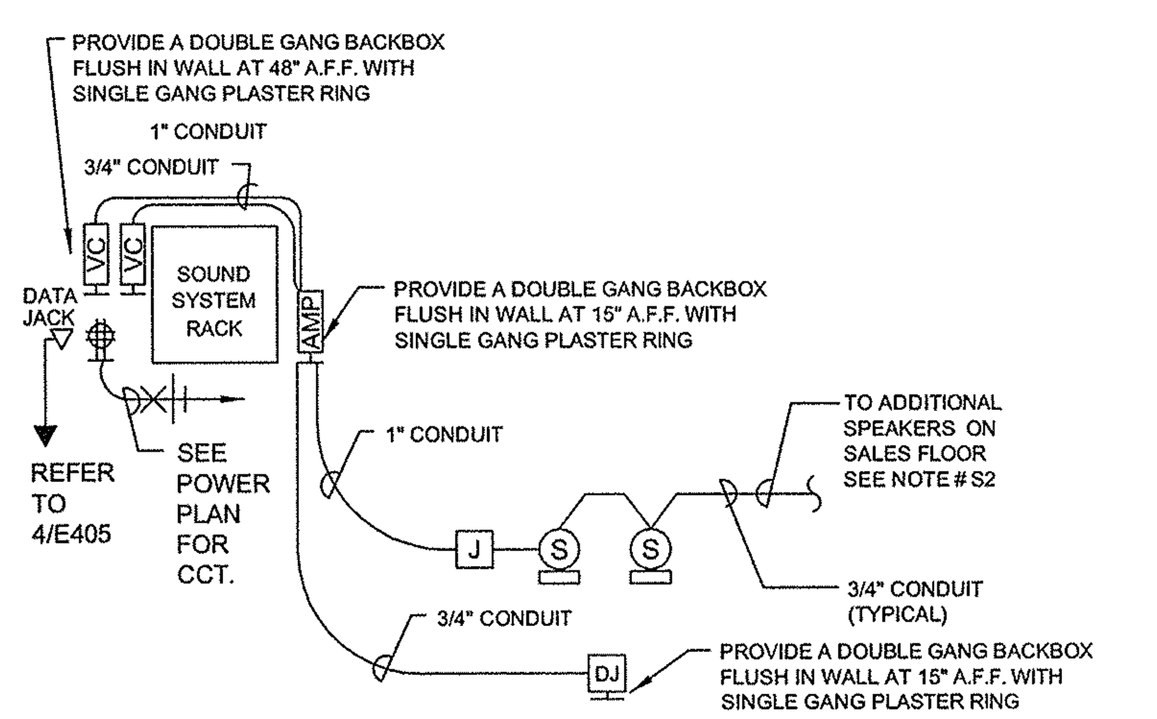
NOTES:(4/E405 ONLY)

1. PROVIDE WITH (7) CAT5E CABLES. LABEL #1 THROUGH #7 AT BOTH ENDS.
2. PROVIDE WITH (2) CAT5E CABLES. LABEL #8 AND #9 AT BOTH ENDS.
3. PROVIDE WITH (1) CAT5E CABLES. LABEL #10.
4. PROVIDE WITH (1) CAT5E CABLES. LABEL #11.
5. PROVIDE WITH (5) CAT5E CABLES. LABEL #12 THROUGH #16 AT BOTH ENDS.
6. PROVIDE WITH (2) CAT5E CABLES. LABEL #17 THROUGH #18 AT BOTH ENDS.
7. PROVIDE WITH (1) CAT5E CABLES. LABEL #19.
8. PROVIDE WITH (1) CAT5E CABLES. LABEL #20.
9. PROVIDE WITH (1) CAT5E CABLES. LABEL #21.
10. PROVIDE WITH (1) CAT5E CABLES. LABEL #22.



4 LOW VOLTAGE / TELEPHONE / DATA CONDUIT SCHEMATIC

E405 SCALE: NONE



SOUND SYSTEM NOTES:

S1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY RACEWAY SYSTEM FROM SOUND SYSTEM AMPLIFIER TO ALL SPEAKERS. RACEWAYS SHALL BE EMT. EACH SPEAKER DOES NOT REQUIRE A SEPARATE "HOME RUN" CONDUIT. INSTALL EMPTY CONDUITS IN A NEAT MANNER WHICH CONNECTS TO EVERY SPEAKER AS SHOWN ON PLAN.

S2. ONE EMPTY 1" CONDUIT SHALL BE INSTALLED FROM AMPLIFIER TO A POINT IN SALES AREA ON EACH FLOOR WHERE A JUNCTION BOX CAN BE INSTALLED FOR 3/4" BRANCH CONDUITS FROM JUNCTION BOX TO SPEAKERS. INSTALL EMPTY RACEWAYS AS DICTATED BY FIELD CONDITIONS. IN CLOSED CEILING APPLICATIONS, CONDUIT MAY NOT BE REQUIRED - VERFIFY REQUIREMENT WITH LOCAL CODE & U.O.I. PROJECT MANAGER.

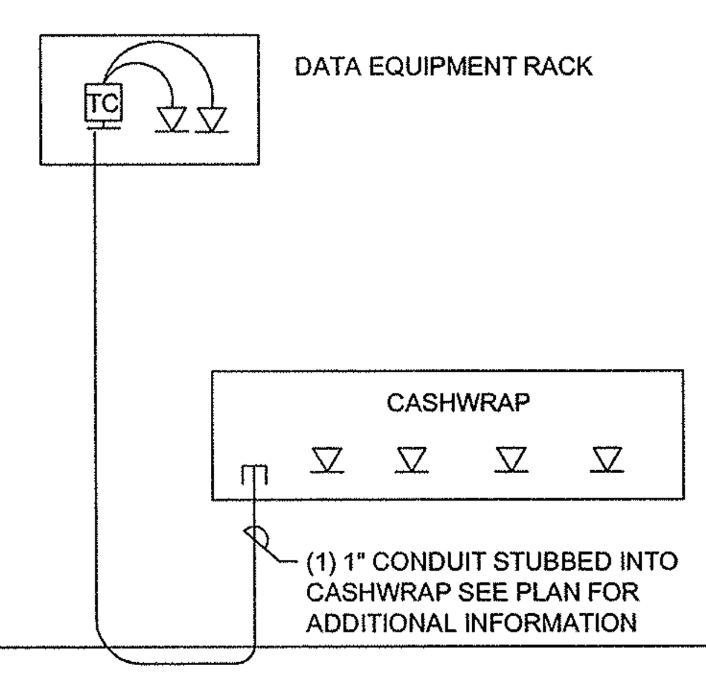
S3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL POWER SUPPLY FOR AMPLIFIER AS SHOWN ON PLAN. VERIFY LOCATION, MOUNTING HEIGHT, ETC. WITH SOUND SYSTEM CONTRACTOR.

S4. FOR EACH SPEAKER LOCATION, ELECTRICAL CONTRACTOR SHALL FURNISH A RACO # 192 STANDARD TWO GANG JUNCTION BOX WITH 1/2" CHASE NIPPLE AND LOCK NUT (RACO # 1662 OR EQUAL)PROVIDE 1/2" RIGID STEEL CONDUIT WITH STANDARD THREADS PENDANT MOUNTED TO DEPTH EQUIVELENT OF BOTTOM OF LIGHTING FIXTURES. PROVIDE BRACING AND SUPPORT FOR JUNCTION BOX TO HOLD 65 LBS. SPEAKER BRACKET AND SPEAKER SHALL BE FURNISHED AND INSTALLED BY SOUND SYSTEM VENDOR.

S5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACKBOXES, TRIM RINGS, CONDUITS AND BUSHINGS FOR SOUND SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO SOUND SYSTEM RACK AND AMPLIFIER IN OFFICE. WIRING, TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL SPEAKERS AND DEVICES SHALL BE BY SOUND SYSTEM VENDOR. REFER TO SOUND SYSTEM DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH SOUND SYSTEM VENDOR PRIOR TO ROUGH-IN.

5 SOUND SYSTEM RISER DIAGRAM

E405 SCALE: NONE



DATA SYSTEM NOTES:

D1. CASHWRAP COUNTER REQUIRES AN INTERCONNECTING CABLE TO COMPUTER TERMINAL IN OFFICE.

D2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT TO COUNTER. CONDUIT MUST BE INSTALLED IN CEILING SPACE BELOW. SEE GENERAL ELECTRICAL NOTES REGARDING INSTALLATION OF WIRING IN CEILING SPACE BELOW. EXTEND THIS CONDUIT TO TERMINATION POINT DESIGNED IN OFFICE AREA. VERIFY PRECISE LOCATION IN OFFICE AREA WITH OWNER'S IT REPRESENTATIVE.

D3. TERMINATION POINTS AT COUNTER DESIGNATED ARE DIAGRAMMATIC ONLY TO INDICATE CONNECTION TO REGISTER TERMINALS. DETERMINE PRECISE LOCATIONS FORM OWNER'S IT REPRESENTATIVE. PROVIDE 1" CONDUIT BETWEEN EACH SECTION OF COUNTER.

D4. LOW VOLTAGE WIRING SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. ONE CABLE WILL BE INSTALLED PER COUNTER, EACH REGISTER AT COUNTERS WILL BE CONNECTED TO RESPECTIVE SUPPLY CABLE BY DATA PROCESSING CONTRACTOR.

D5. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING IN EACH CONDUIT.

D6. ALL IT EQUIPMENT WILL BE FURNISHED BY OWNER; OWNER WILL SET EACH ITEM IN PLACE.

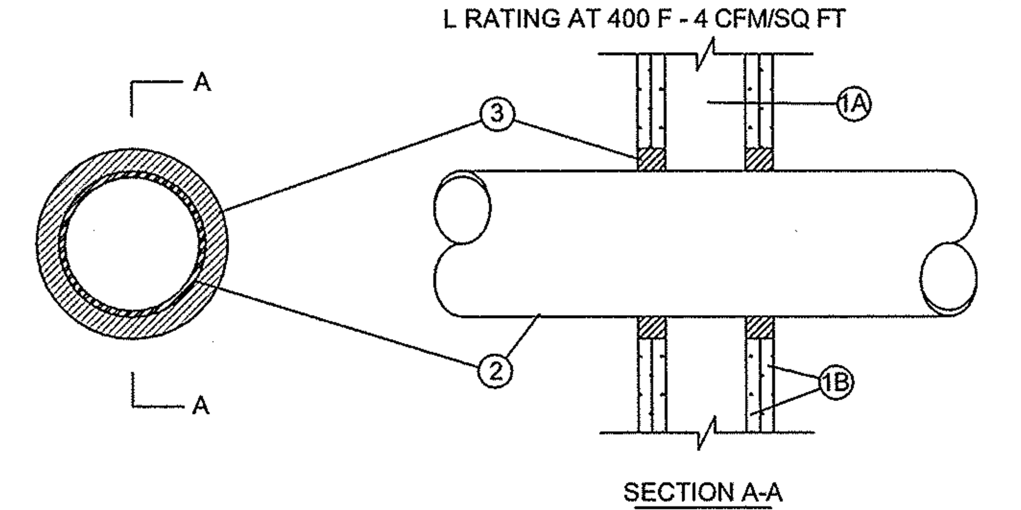
D7. OWNER WILL MAKE ALL CONNECTIONS AND TERMINATION OF CONTRACTOR INSTALLED EDP CABLES ONTO EQUIPMENT.

D8. POWER SUPPLIES FOR IT EQUIPMENT ARE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS SHOWN ON PLAN. DETERMINE PRECISE LOCATIONS OF ALL POWER SUPPLIES FROM OWNER'S EDP REPRESENTATIVE. SEE GENERAL ELECTRICAL NOTES REGARDING INSTALLATION OF ISOLATED GROUND CIRCUITS.

6 DATA SYSTEM RISER DIAGRAM

E405 SCALE: NONE

UL SYSTEM NO. W-L-1054
F RATINGS - 1 AND 2 HR (SEE ITEMS 1 AND 3)
T RATING - 0 HR
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L RATING AT 400 F - 4 CFM/SQ FT



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
   B. GYPSUM BOARD* – 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.

2. THROUGH-PENETRANTS – ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE – NOM 30 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE – NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT – NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAM STEEL CONDUIT.
   D. COPPER TUBING – NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE – NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. FILL, VOID OR CAVITY MATERIAL* -- SEALANT – MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – FS-ONE SEALANT
*BEARING THE UL CLASSIFICATION MARK

7 TYPICAL FIRESTOP DETAIL - CONDUIT

E405 SCALE: NONE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE — ERIC A. MENCKEN — No. 10490 — LICENSED PROFESSIONAL ENGINEER — 7-21-11

ARCH PROJECT #: 1121907

DRAWN BY:

DRA

EAM

ISSUE / DATE:

100% CHECKSET	07-08-11
PERMIT/ BID SET	07-22-11
ISSUED FOR CONSTRUCTION	07-22-11

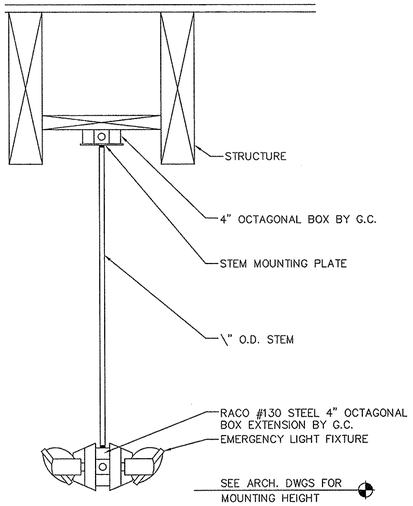
REVISION :

SHEET TITLE :

ELECTRICAL DETAILS

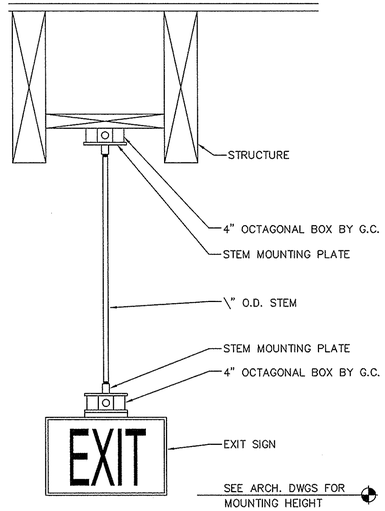
SHEET NO. :

E405



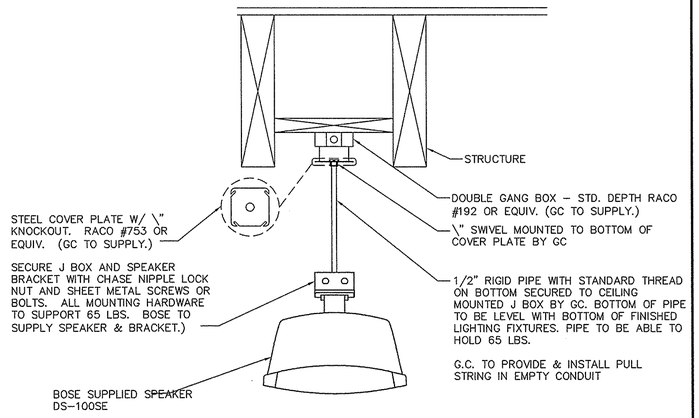
1 PENDANT EMERGENCY LIGHT DETAIL

E406 SCALE: 1-1/2"=1'-0"



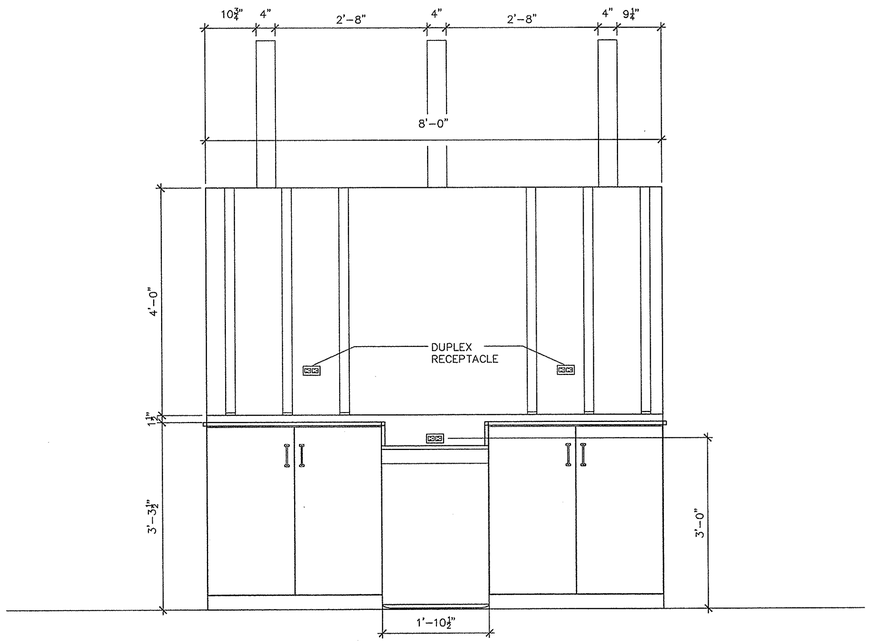
2 PENDANT SELF-LUMINOUS EXIT SIGN DETAIL

E406 SCALE: 1-1/2"=1'-0"



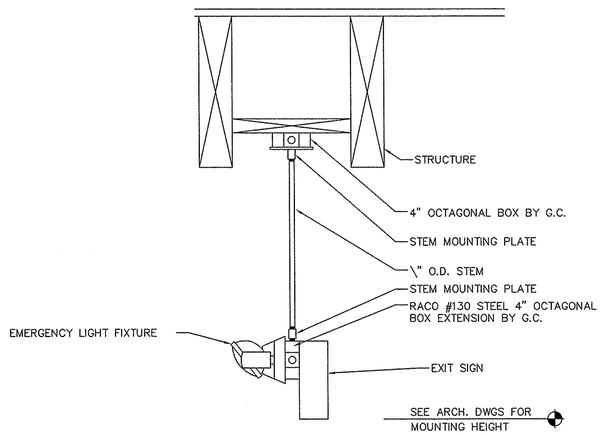
3 SPEAKER MOUNTING DETAIL

E406 SCALE: 1-1/2"=1'-0"



4 CHOP SAW CASEWORK ELEVATION (TOP OPENED FOR SAW OPERATION)

E406 SCALE: 3/4"=1'-0" (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)



5 PENDANT EXIT SIGN/EMERGENCY LIGHT MOUNTING DETAIL

E406 SCALE: 1-1/2"=1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

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PHILADELPHIA, PA 19112
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DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC A. MENCKEN
No. 10490
REGISTERED PROFESSIONAL ENGINEER
7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:

DRA
EAM

ISSUE / DATE:

100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
ELECTRICAL DETAILS

SHEET NO. :
E406

PANEL MDP

VOLTAGE:	208/120 3 PH 4W					A/C RATING:	22K	REMARKS:		
FEEDER AMP:	800	MAINS:	800 MCB			MOUNTING:	SURFACE	1. HACR TYPE CB.		
LUGS:	-		FEED:	TOP		ENCLOSURE:	NEMA 1			

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
150/3		PANEL 'A'	11521	1	A	2	11250	PANEL 'B'		150/3
↓		↓	11997	3	B	4	12180	↓		↓
↓		↓	8576	5	C	6	11620	↓		↓
70/3	1	RTU-3 (6 TON UNIT, ROOF)	7500	7	A	8	9096	EXISTING RTU-1 (ROOF)		60/3
↓		↓	7500	9	B	10	9096	↓		↓
↓		↓	7500	11	C	12	9096	↓		↓
60/2	1	AHU-1 (CKT 1)	6250	13	A	14	9096	EXISTING RTU-2 (ROOF)		60/3
↓		↓	6250	15	B	16	9096	↓		↓
40/3		20KW AIR CURTAIN AC-1	3333	17	C	18	9096	↓		↓
↓		↓	3333	19	A	20	0	SPARE		60/3
↓		↓	3333	21	B	22	0	↓		↓
40/3		20KW AIR CURTAIN AC-1	3333	23	C	24	0	↓		↓
↓		↓	3333	25	A	26	2500	EDH-1 7.5KW		30/3
↓		↓	3333	27	B	28	2500	↓		↓
30/2	1	CU-1 ROOF)	1581	29	C	30	2500	↓		↓
↓		↓	1581	31	A	32	0	SPACE		
25/2	1	SPARE	0	33	B	34	0	↓		
↓		↓	0	35	C	36	0	↓		
		SPACE	0	37	A	38	0	SPACE		
		↓	0	39	B	40	0	↓		
		↓	0	41	C	42	0	↓		
		Connected Load Per Phase	PH A:	65460	PH B:	65285	PH C:	56635		

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	20214	125086	0	35680	0	0	6400	187380	520.1
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	25268	125086	0	22840	0	0	6400	179594	498.5

PANEL A

VOLTAGE:	208/120 3 PH 4W					A/C RATING:	22K	REMARKS:		
FEEDER AMP:	150	MAINS:	225 MLO			MOUNTING:	SURFACE			
LUGS:	-		FEED:	INTEGRAL		ENCLOSURE:	NEMA 1			

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1	Z1	L-SALES - STAFF	1540	1	A	2	1078	L-DISPLAY	Z3	20/1
20/1	Z2	L-SALES - CUSTOMERS	1309	3	B	4	400	L-CASHWRAP	Z1	20/1
20/1	Z2	L-SALES - CUSTOMERS	1520	5	C	6	1425	L-DISPLAY	Z3	20/1
20/1	Z1	L-SALES - STAFF	1462	7	A	8	1800	L-CUSTOMERS FEATURE	Z2	20/1
20/1	1	L-SALES - NIGHT LIGHT	1588	9	B	10	1350	L-DISPLAY/COVE	Z3	20/1
20/1	Z1	L-FITTING - STAFF	801	11	C	12	1001	L-DISPLAY	Z3	20/1
20/1	Z2	L-FITTING - CUSTOMERS	495	13	A	14	1386	L-DISPLAY	Z3	20/1
20/1		L-STOCK/OFFICE BOH	1365	15	B	16	405	L-DISPLAY	Z3	20/1
20/1		L-BACK OF HOUSE	650	17	C	18	539	L-DISPLAY	Z3	20/1
20/1		R-ROOF	720	19	A	20	1440	R-CEILING - SALES	Z3	20/1
20/1		CHOP SAW	1200	21	B	22	1440	R-CEILING - SALES	Z3	20/1
20/1	1,4	FACP	500	23	C	24	1440	R-CEILING - SALES	Z3	20/1
20/1		ECH-1	1500	25	A	26	100	L-EXTERIOR	Z4	20/1
20/1		ECH-2	1500	27	B	28	1440	R-CEILING - SALES	Z3	20/1
20/1		EF-1,2,5,6	700	29	C	30	0	SPARE	Z1	20/1
20/1		SPARE	0	31	A	32	0	SPARE	Z2	20/1
20/1		SPARE	0	33	B	34	0	SPARE	Z3	20/1
20/1		SPARE	0	35	C	36	0	SPARE	Z4	20/1
20/1		SPARE	0	37	A	38	0	SPARE		20/1
20/1		SPARE	0	39	B	40	0	SPARE		20/1
20/1		SPARE	0	41	C	42	0	SPARE		20/1
		Connected Load Per Phase	PH A:	11521	PH B:	11997	PH C:	8576		

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	20214	3700	0	6480	0	0	1700	32094	89.1
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	25268	3700	0	6480	0	0	1700	37148	103.1

PANEL B

VOLTAGE:	208/120 3 PH 4W					A/C RATING:	22K	REMARKS:		
FEEDER AMP:	150	MAINS:	225 MLO			MOUNTING:	SURFACE			
LUGS:	-		FEED:	INTEGRAL		ENCLOSURE:	NEMA 1			

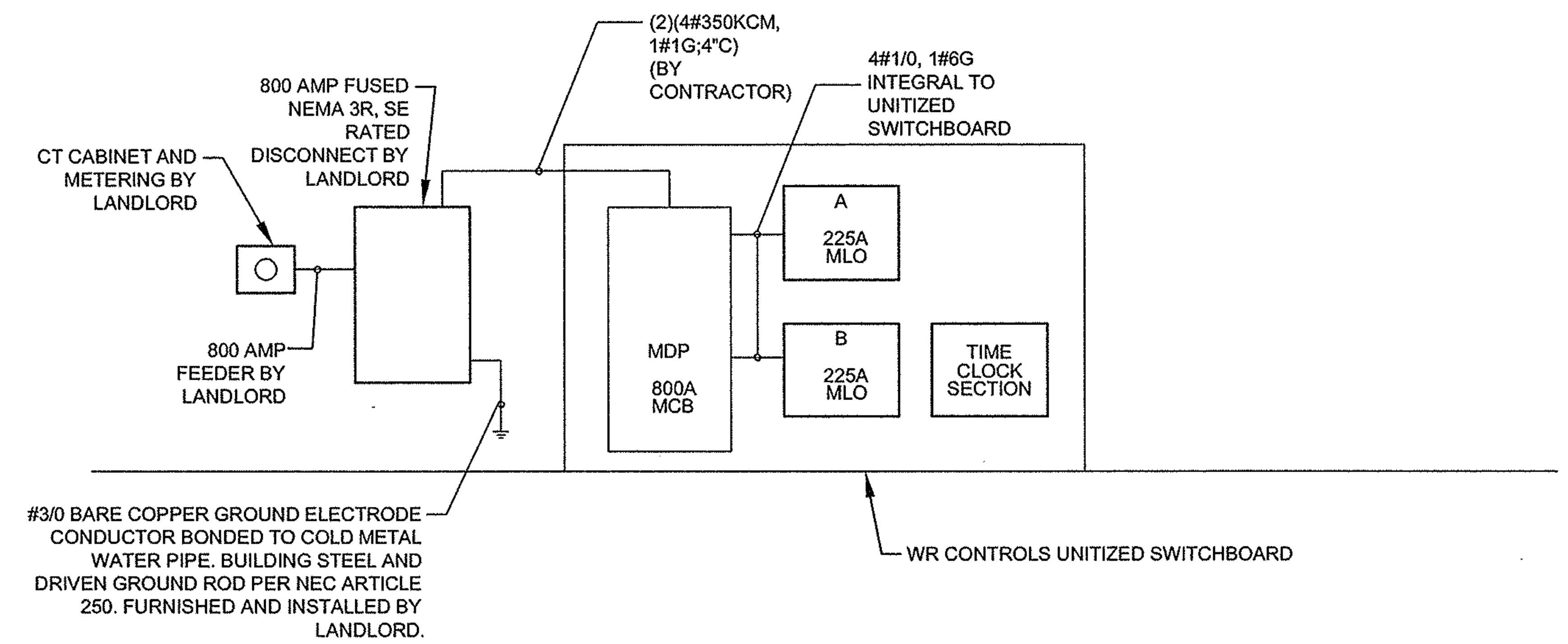
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1		R-CASHWRAP	360	1	A	2	1440	R-WALLS - SALES	Z3	20/1
20/1		R-CASHWRAP	360	3	B	4	1440	R-WALLS - SALES	Z3	20/1
20/1		R-CASHWRAP	360	5	C	6	720	R-WALLS - SALES	Z3	20/1
20/1		R-CASHWRAP	360	7	A	8	1150	SS-1/HP-1		20/1
20/1		R-CASHWRAP	360	9	B	10	1440	R-WALLS - SALES	Z3	20/1
20/1		R-CASHWRAP	360	11	C	12	1080	R-WALLS - SALES	Z3	20/1
20/1		R-CASHWRAP	360	13	A	14	1440	R-WALLS - SALES	Z3	20/1
20/1		R-CASHWRAP	360	15	B	16	1440	R-WALLS - SALES	Z3	20/1
20/1		CHECKPOINT SYSTEM	1000	17	C	18	1440	R-WALLS - SALES	Z3	20/1
20/1		R-PLUGMOLD - OFFICE	1000	19	A	20	1080	R-WALLS - SALES		20/1
20/1		R-OFFICE	1000	21	B	22	1000	BIRD-B-GONE SYSTEM		20/1
20/1		R-OFFICE	1000	23	C	24	2500	WATER HEATER (D)		30/1
20/1		R-AUDIO SYSTEM	1000	25	A	26	500	DETEX SYSTEM		20/1
20/1		R-PLUGMOLD - STOCK ROOM	900	27	B	28	540	R-TOILET		20/1
20/1		R-PLUGMOLD - VISUAL MERCH	900	29	C	30	180	R-BREAKROOM - UNDERCOUNTER		20/1
20/1		DUST DEPUTY	1000	31	A	32	1000	R-BREAKROOM - REFRIGERATOR		20/1
20/1		EMPLOYEE TIME CLOCK	180	33	B	34	1800	R-BREAKROOM - COUNTER TOP		20/1
20/1		R-TELEPHONE BOARD - TBB	360	35	C	36	1000	R-BREAKROOM - MICROWAVE		20/1
20/1		R-SECURITY - TBB	360	37	A	38	200	DOORBELL SYSTEM		20/1
20/1		R-VISUAL MERCH	360	39	B	40	1000	ADA DOOR OPENER		20/1
20/1		R-DJ JACK EQUIPMENT	360	41	C	42	0	SPARE		20/1
		Connected Load Per Phase	PH A:	11250	PH B:	12180	PH C:	11260		

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	0	1150	0	29200	0	0	4700	35050	97.3
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	0	1150	0	19600	0	0	4700	25450	70.6

PANEL SCHEDULE NOTES

1. FURNISH AND INSTALL CIRCUIT BREAKER LOCK-ON DEVICE
2. Z1, Z2, Z3, ETC REFERS TO THE LIGHTING CONTROL ZONES FOR THE ELECTRONIC BREAKER SWITCHING CONTROLS FOR SWITCHING THE LIGHTS AND OUTLETS IN THE SALES AREA.
3. VERIFY EXACT CIRCUIT REQUIREMENTS WITH EQUIPMENT NAME PLATE PRIOR TO ROUGH-IN. MODIFY CIRCUIT BREAKER, WIRING, AND NUMBER OF CIRCUITS AS REQUIRED TO PROVIDE CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
4. RECONNECT TO EXISTING BRANCH CIRCUIT.

LIGHTING CONTROL ZONES:
Z1 - STAFF LIGHTS
Z2 - CUSTOMER LIGHTS
Z3 - DISPLAY LIGHTS/RECEPTACLES
Z4 - EXTERIOR



GENERAL NOTES:

L1. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES. COORDINATE EXACT CODE REQUIREMENTS AND LOCAL AMENDMENTS WITH LOCAL INSPECTOR PRIOR TO ANY INSTALLATION.

L2. GROUND IN ACCORDANCE WITH N.E.C. AND ALL LOCAL CODES.

L3. FIELD VERIFY RATINGS, SIZES, LOCATIONS, AND CONFIGURATION OF ALL EXISTING EQUIPMENT.

01 RISER DIAGRAM
NOT TO SCALE

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES:

M1. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

M2. VERIFY CONTROL REQUIREMENTS OF ALL 3 PHASE MOTORS WITH MECHANICAL AND CONTROL CONTRACTORS. ALL MOTORS STARTED BY AUTOMATIC DEVICES OR INTERLOCKED TO START WITH OTHER MOTORS SHALL BE PROVIDED WITH HAND-OFF-AUTO SELECTOR SWITCHES. ALL MOTORS WITH MANUAL CONTROL ONLY SHALL BE PROVIDED WITH STOP-START PUSHBUTTONS.

M3. CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECT, GENERAL CONTRACTOR, ETC. AND WORK OF ALL OTHER TRADES.

M4. RE-ROUTE AND EXTEND EXISTING HOMERUN FOR EXISTING RTU-2 TO PANEL 'LA'. FIELD DETERMINE CONDITION OF EXISTING DISCONNECT AT UNIT AND REPAIR OR REPLACE AS REQUIRED TO ENSURE GOOD WORKING CONDITION.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC MENCKEN
No 10490
LICENSED PROFESSIONAL ENGINEER
7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:
DRA
EAM

ISSUE / DATE:
100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
POWER RISER / PANEL SCHEDULES

SHEET NO. :
E500

DIVISION 16 - ELECTRICAL
SECTION 16010
GENERAL PROVISIONS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section.

1.02 DESCRIPTION

A. This Section defines the General Provisions which are common to all Sections of Division 16.

B. Work Included:
1. All electrical work herein specified and/or shown on Drawings unless noted otherwise.
2. Installation shall be complete from location designated by the Electric Utility Company as point of service connection, to the final connection of motors, fixtures, devices, apparatus or pieces of equipment, unless modified by Drawings or these Specifications.
3. The Electrical Drawings and Specifications shall be understood to cover complete operating system. The Drawings and Specifications are to be taken together. Work specified and not shown, or Work shown and not specified shall be performed or furnished as though mentioned in both Drawings and Specifications.
4. Minor items and accessories reasonably inferred as necessary to the complete and proper operation of any system, shall be provided by this Contractor or Subcontractor for such systems.

C. Description of Systems:
1. Complete power wiring to switchboard, panels, motorized equipment, motors, equipment cabinets, and miscellaneous outlets.
2. General wiring for power, lighting, and miscellaneous systems.
3. Materials and equipment for electrical work.
4. Motor and equipment wiring.
5. General and emergency lighting and power systems.
6. Wiring of equipment furnished by others.
7. Motor Starters.
8. Empty conduit system and backboxes for telephone system.
9. Reconnection of all relocated electrical equipment (where applicable).
10. Power and empty conduit system and backboxes for Owners security system.
11. Power and empty conduit system and backboxes for Owners computer/POS system.
12. Power, empty conduit system, backboxes and wiring for Owners CCTV system.
13. Power and empty conduit system and backboxes for Owners sound system.
14. Power and empty conduit system and backboxes for Owners telephone system.
15. Power and empty conduit system and backboxes for Owners Checkpoint EAS system.
16. Fire, smoke, and heat detection system where required by local code authorities.
17. Energy management system.
18. Door bell system.
19. Power and empty conduit system and backboxes for Owners employee timecard system.
20. Temporary Electrical for construction.
21. All other equipment, material, devices, accessories required and/or shown on the Drawings.

D. Definitions - As used within the Contract Documents:
1. The term "Contractor" shall be understood to mean the Electrical Contractor or Electrical Subcontractor.
2. "Circuitry" shall mean any electric work (not limited to light and power distribution) which consists of wires, cables, raceways, and/or specialty wiring method assemblies taken all together complete with associated junction boxes, pull boxes, outlet boxes, joints, couplings, splices and connections, except where limited to a lesser meaning by specific description.
3. "Wiring" shall mean the same as Circuitry.
4. "Package Unit" shall mean an item of equipment having one or more motors or other electric energy consuming elements integrally factory mounted on a single base, complete with all associated control devices and interconnecting wiring.
5. "Normal Electric Work Conditions" means locations within building confines which are neither damp, wet, nor hazardous, and which are not used for air handling.
6. "Raceway" shall mean any pipe, duct, extended enclosed, or conduit (as specified for a particular system) which is used to contain wires, and which is of such nature as to require that the wires be installed by a "pulling in" procedure.
7. "Concealed" (as applied to circuitry) means covered completely by building materials, except for penetrations(by boxes or fittings) to a level flush with the surface as necessitated by functional or specified accessibility requirements. Unless directed otherwise, all outlet boxes in walls are to be concealed.

E. Fees and Permits:
1. Obtain all permits and pay all inspection fees required for the complete electrical system.

1.03 QUALITY ASSURANCE

A. Qualifications:
1. Only new products will be acceptable unless otherwise noted.
2. The Electrical Contractor and his Subcontractors shall only employ workmen who are skilled in their respective trades.
3. All equipment, material, fixtures, devices, articles, accessories or products included in the Contract shall be of the exact make, model or catalog number, size, form and of the characteristics specified.

B. Requirements of Regulatory Agencies:
1. All electrical work shall be in accordance with the National Electrical Code (N.E.C.), (check with local inspector for edition), and other governing bodies which have jurisdiction over this project.
2. Where applicable, all fixtures, equipment and materials shall be as approved or listed by the following agencies:
a. Factory Mutual Laboratories.
b. National Fire Protection Association.
c. Underwriters Laboratories, Inc. (UL)
d. National Electrical Manufacturers Association (NEMA)
e. Americans with Disabilities Act (ADA)

C. Allowable Tolerances:
1. Review Architectural, Structural and Mechanical Drawings for all dimensions, locations, partitions and walls, structural details, and location of mechanical pipes and ducts so that the electrical installation shall be in harmony with that of the other trades.
2. Exact size, location, and electrical requirements of equipment furnished by other trades and wired by this Contractor shall be obtained from the Drawings of the other trades. Report all discrepancies at time of bidding.

1.04 SUBMITTALS

A. A minimum of 3 copies of all shop drawing submittals shall be submitted to the general contractor a minimum of 3 weeks prior to the start of any construction.

B. Shop drawings shall consist of installation, maintenance and operating manuals and instructions for all equipment.
1. Submit cut sheets of all devices
2. Provide shop drawings for all distribution equipment including panelboards, transformers, disconnects and starters.
3. Fire alarm equipment and diagrams in accordance with section 16721.

1.05 APPROVAL DRAWINGS

A. Prepare and submit for approval to local code authorities such additional electrical drawings, diagrams, and specifications as are required by:
1. Local Fire Prevention Bureau
2. Local Building Department - Electrical Inspection Section
3. Local Utility Company Metering Department

1.06 EXAMINATION OF THE SITE

A. All Contractors submitting proposals for this work are requested to visit the existing site. Failure to visit the existing site will in no way relieve the successful bidder from the necessity of furnishing any materials or performing any work that may be required to complete work in accordance with Drawings and Specifications without additional cost to the Owner.

1.07 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Exercise care in transporting and handling to avoid damage to fixtures, equipment and materials.

B. Store materials on the site so as to prevent damage.

C. Keep fixtures, equipment and materials clean, dry and free from deleterious conditions.

D. Where items of electrical equipment and/or materials are furnished by others for installation by Electrical Contractor, Electrical Contractor will be held responsible for the unloading of such equipment and/or materials from the delivery truck. He shall check equipment and/or materials upon receipt and notify party furnishing item of any damaged or missing equipment. He shall coordinate installation with Contractor providing equipment.

1.08 GUARANTEE

A. Provide one year guarantee for all fixtures, equipment, materials and workmanship, upon final acceptance by Owner.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Refer to individual Sections of Division 16.

PART 3 - EXECUTION

3.01 INSTALLATION/APPLICATION/PERFORMANCE/ERECTION

A. Excavating and Backfilling:
1. The Electrical Contractor shall do all excavating and backfilling required for the installation of any and all parts of his work requiring excavation. He shall also do all sheathing and bracing required for the installation of his work. He shall provide and operate pumping equipment, if required, to keep the trenches free of standing water. All work shall comply with requirements given in Section 02200.
2. The above shall include all excavation of every character, including rock, if encountered. Contractor shall visit the premises and determine for himself, by actual observations, boring, or other means, the nature of the soil conditions. The cost of all such inspections, boring, etc., shall be borne by the Contractor.
3. All excavations are to be so conducted that no walls or footings shall be disturbed or injured in any way.
4. Remove all surplus earth not needed for filling and dispose of same as specified under architectural division of work.
5. All backfilling shall be thoroughly tamped and settled in a manner as is proper for the particular type of work.
6. Where it is necessary to install work in or across roads, pavements, curbs, sidewalks, etc., this Contractor shall restore the present construction to its original or better condition if disturbed by his operation at no additional cost to the Owner.

B. Application, Installation:
1. In the event that conflicts, if any, cannot be settled rapidly and amicably between the affected trades, with work proceeding in a workmanlike manner, then the Architect/Engineer shall decide which work is to be relocated and his judgement shall be final and binding on this Contractor.
2. No measurements of a Drawing by scale shall be used as a dimension to work by. The Drawings are not intended to show complete or accurate details of the building in every respect. Exact locations and relations are to be defined in the field and shall be satisfactory to the Architect/Engineer. This Contractor shall take all field measurements and shall be responsible therefore.
3. Compare Drawings and Specifications, checking all measurements and determine intent of Contract Documents. Discrepancies shall be brought to the Architect/Engineer's attention for interpretation prior to any installation.
4. The right is reserved to make any reasonable change in location of outlets and equipment prior to roughing-in without involving additional expense. Any change from the Electrical Drawings as is necessary to make the work of this Contractor conform to the building as constructed and to fit the work of other trades shall be included in Contractor's Contract and installed without extra cost.

3.02 FIELD QUALITY CONTROL

A. Testing:
1. After wires are in place and connected to devices and equipment, the system shall be tested for shorts and grounds.
2. All hot wires, if shorted or grounded, shall be removed and replaced.
3. A voltage test shall be made at the last outlet on each circuit. If drop in potential is excessive, Contractor will be required to correct the condition by locating partly grounded conductor or high resistance splice.
4. All grounds, shorts and high resistance splices shall be rectified.
5. Any wiring device, electrical apparatus or lighting fixture furnished under this Contract, if grounded or shorted on any integral "live" part, shall be removed and the trouble rectified by replacing all defective parts or materials as directed.
6. Service ground to be tested per the National Electrical Code requirement. Grounding pole of all receptacles to be tested.
7. All motors shall be tested under load with ammeter readings taken in each phase, and the RPM of motors recorded at the time. All motors shall be tested for correct direction or rotation. Electrical Contractor shall be responsible for testing running of all motors and shall verify that proper overload devices have been installed.
8. All meters, instruments, cable connections, equipment or apparatus necessary for making all tests, shall be furnished by this Contractor at his own expense.
9. Contractor shall submit proof of all tests to the Architect before final acceptance of the work.

3.03 ADJUST AND CLEAN

A. Cleaning Equipment, Completed Work and Premises: After the completion of all installations, each system shall be thoroughly cleaned to remove all paint, oil and other foreign material. Contractor shall also clean all foreign paint, grease, oil, dirt, labels and stickers, etc., from all fixtures, equipment, etc. The Contractor shall remove all rubbish, debris, etc., accumulated from his operations from the premises.

B. Demonstration: At the conclusion of the work and before final contract payment is made demonstrate and explain to the Using Agency's personnel, the function, operation and maintenance of all equipment and systems installed by this Division of the work and provide a copy of all tests performed.

C. Protect all equipment and systems against harmful exposures to, or accumulations of dust and moisture, flooding, corrosion or other forms of damage and clean and restore damaged finishes as may be required to place installations in a "like-new" condition before acceptance by the Architect.

3.04 SCHEDULES

A. Equipment Schedules: See Drawings for schedules of lighting fixtures, motor and equipment connections, switchboard, panelboards, distribution equipment, and related items.

3.05 APPROVALS

A. Obtain all permits and approvals from the governing bodies which have jurisdiction over this project.

3.06 IDENTIFICATION AND TAGGING

A. Provide all distribution switches and/or circuit breakers, starters, etc. whether individually mounted in panelboards, switchboards, etc., with suitable identification. The designation, using proper nomenclature, shall indicate the load served. Provide all feeders with suitable identification as to their designation in all junction boxes, pull boxes, gutter spaces through which they pass, and at their terminal points. Identification of distribution switches or circuit breakers and starters individually mounted or in switchboards shall be by means of engraved lamacoid nameplates permanently fastened on the front face of the housing, showing 1/4" high white lettering on a black background. Identification of feed cables shall be by means of engraved fiber tags suitably fastened to the cables.

3.07 SLEEVES

A. Provide coring in walls and floor slabs for the passage of all conduits, pipes and ducts installed.

B. Cored holes in floor shall be provided with sleeves extended one inch above finished floor level and made watertight.

3.08 PAINTING

A. All equipment, panelboards, switchboards, etc., shall be factory finished in baked enamel or lacquer, or as specified. Standard factory finishes shall be approved. Any scratches shall be neatly touched up by the installing Contractor.

B. All metal work installed by this Contractor exposed to the weather and not factory finished shall be painted with two coats of oil paint of color selected by Architect.

C. All finish painting shall comply with the Painting Section of the Specifications.

3.09 CUTTING AND PATCHING

A. Perform all cutting and patching required to complete the Work, except where specifically shown on the Architectural or Structural Drawings.

B. Refer to Section 01070 for additional requirements.

3.10 TEMPORARY ELECTRIC SERVICE:

A. The electrical contractor shall provide temporary electrical wiring for construction use as follows:
1. Temporary service entrance and feeder as required with a fused main disconnect.
2. The electrical contractor shall provide temporary lighting and power throughout the space as required for construction use.
3. Contractor shall utilize existing electrical utilities where ever feasible.

3.11 STRUCTURAL CONDITIONS:

A. Notching and boring of structural members will not be permitted. If any conduit, boxes, etc need to be hung from structural steel, only hang from top flange of beams and top chords, and only panel points of joists and trusses.

SECTION 16100
BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 DESCRIPTION

A. This section defines the Basic Material and Methods which are common to all Sections of Division 16.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Conduit:
1. Electrical Metallic Tubing: EMT, "Thin wall" conduit shall in general be utilized where permitted by Code except where described herein.
2. Heavy-wall steel conduit shall be either hot dipped galvanized or sheradized.
3. Flexible conduit shall be Greenfield type except, where exposed to oil, grease, or water - then conduit shall be Sealtite.
4. Conduit Fittings:
a. Rigid & IMC: Threaded.
b. Thin-Wall: Compression Type.
c. Flexible: Connectors shall be compatible with flexible conduit used.
5. Conduit shall be as manufactured by Allied, National Electric, Republic or Triangle.
6. Flexible liquid tight conduit as manufactured by Anaconda, Simplex, or International Metal Hose.
7. Minimum conduit size is 3/4". Contractor shall utilize larger conduits where required and/or specified.

B. Wires and Cables:
1. All wire shall be type THHN/THWN copper.
2. Wire smaller than # 10 shall be solid; # 10 and larger, stranded.
3. Where light fixtures are wired in continuous rows, wire pulled through fixtures shall be type SF2.
4. Final connections to heating equipment where shown, type SF2.
5. Cable and wire shall be as manufactured by Alcoa, Anaconda, General Cable, Triangle, Simplex, Hatfield, Bell, Alpha, and Coleman Cable and Wire.

C. Color Coding: Color coding shall be used throughout the entire electrical system:
For 120/208V., 3PH. systems
1. "A" Phase - Black - all gauges.
2. "B" Phase - Red - through #6. Larger black with phase markers.
3. "C" Phase - Blue - through #6. Larger black with phase markers.
4. Neutral - White - through #6. Larger black with phase markers.
5. Grounding Wire - Green, insulated.
6. Isolated Ground wire - Green with yellow stripe
7. Control Wire - Colors other than above.
For 277/480V., 3PH. systems
1. "A" Phase - Brown - through #6. Larger black with phase markers.
2. "B" Phase - Orange - through #6. Larger black with phase markers.
3. "C" Phase - Yellow - through #6. Larger black with phase markers.
4. Neutral - Grey - through #6. Larger black with phase markers.
5. Grounding Wire - Green, insulated.
6. Isolated Ground wire - Green with yellow stripe
7. Control Wire - Colors other than above.

D. Wire Pulling Lubricant: Use of wire pulling lubricant is optional; but, if needed to prevent damage to the conductors, it must be listed by Underwriters Laboratories and be of such consistency that it will leave no obstruction or tackiness that will prevent pulling out old wires or pulling in new wires or additional wires.

E. Electrical Connections, Terminals and Splicing shall be in accordance with Section 110-14 of the NEC. Connection materials and equipment must be given special attention when using dissimilar metal conductors, etc.

F. Outlet, Pull and Junction Boxes:
1. Boxes shall be 12 gauge or heavier steel, sheradized or galvanized to prevent rusting and shall have readily removable knockouts.
2. Pull boxes and pull fittings shall be accessible with removable covers secured with machine screws.
3. Junction boxes shall be minimum 4" square or octagon, not less than 2" deep, deeper if required by the number of wires or construction, with appropriate covers. Provide with 3/8" stud where lighting fixture is suspended from box.
4. All switch and receptacle outlets shall be equipped with minimum 4" box. Gang boxes shall be provided where groups of switches occur. All boxes shall be equipped with proper raised covers, mounted at heights shown on Drawings, or as directed. The approximate location of outlet boxes is shown on the Drawings, but care shall be taken to install all outlets with proper relation to equipment or material to be installed by other trades. Special outlets shall have proper boxes to accommodate special equipment. Outlet boxes in masonry shall be or proper depth to allow conduit to be installed without cutting of shell of blocks, etc.
5. Outlet boxes shall be as manufactured by Appleton, Steel City, Raco or Crouse-Hinds.
6. Boxes for all exterior conduit, or conduit mounted in exterior walls, shall be cast iron boxes, type "FS" or "FD", as manufactured by Crouse-Hinds, Appleton, Pyle National, Or Killark and provided with gasketed watertight covers. Fittings shall be pull type with gasketed covers.
7. Flush floor boxes in above grade floors shall be shall be Hubbell # B2529 series steel shallow floor box with # SF3925 Brass Duplex flap cover. Provide S3925 where carpet flange is not required. Provide all necessary trim and adjustment components.
8. Flush floor boxes in floors in contact with earth shall be shall be Hubbell # B2524 cast iron series shallow floor box with # SF3925 Bras Duplex flap cover with integral carpet flange. Provide S3925 where carpet flange is not required. Provide all necessary trim and adjustment components.
8. Flush mounted poke through devices shall be Hubbell # PT7FSDBRS2A with standard prewired duplex receptacle and brass duplex flap cover with carpet flange. Utilize Hubbell # PT7IGFSDBRSA with isolated ground prewired duplex receptacle and brass duplex flap cover with carpet flange.
9. Utilize one piece poke through device with single 3/4" knockout for cashwrap power feeds where appropriate. Provide Hubbell # PT7FFSDGY.
10. Utilize large capacity poke through device with single 2" knockout for cashwrap low voltage feeds where appropriate. Provide Hubbell # PT2FIT with adapter from 2" knockout to 1 1/4" conduit.

G. Disconnect Switches:
1. Switches shall meet NEMA enclosed switch standards KS1, current edition. Switches shall be quick-make, quick-break so that operation of the contacts shall not be capable, during normal operation of the switch, of being restrained by the operating handle after the opening or closing of the contacts has started.
2. All safety switches shall be heavy duty of voltage matching equipment served, NEMA 1 for indoor use and NEMA 3R for outdoor use. All switches shall utilize 75 C terminations. Switches shall be as manufactured by Cutler Hammer, General Electric, Square D, or Siemens ITE.

H. Fuses: Furnish and install all fuses. Fuses shall be Bussman "Fusetron", dual element, current limiting type, unless specifically noted otherwise.

I. Switches:
1. Except where otherwise specified, wall switches shall be mounted in suitable outlet boxes in the walls, partitions, or as shown on Drawings.
2. Wall switches shall be located as indicated on the Drawings, arranged singly or in gangs and at the height specified or indicated and shall have proper covers with finishes specified herein. Switches shall be as follows unless otherwise called for on Drawings or hereinafter specified. (Contractor shall check architectural drawings for additional information.)
a. Light switches shall be toggle 20amp, 120/277 Volt Specification grade.
b. SPST Hubbell #1221; P & S #20AC1; Leviton #1221
c. 3-way Hubbell #1223; P & S #20AC3; Leviton #1223
d. 30A-SPST Motor Disconnect: Hubbell #30321; P & S #30AC1; Leviton #3031. Coordinate location with mechanical trades.
3. Verify door swings before installing switchboxes and install the boxes on the latch side of the door unless otherwise directed by the Architect.
4. Color of devices shall be black where installed on box car wood siding or ceilings and white where installed on drywall finished. Coordinate all finishes with architect prior to ordering.

J. Receptacles:
1. Receptacle shall be located as shown on the Drawings and at the heights specified or indicated. Receptacle and power outlets shall be of the grounding type and as manufactured by Hubbell, Pass & Seymour, or Leviton.
2. Duplex Convenience Receptacles: 20A.,2 Pole, 3 Wire, 125 Volt, (NEMA designation 5-20R) Specification Grade.
a. Pass & Seymour #5362
b. Leviton # 5362
c. Hubbell # 5362
3. Special Receptacles and Floor Boxes: As indicated on Drawings.
4. Coordinate all colors/finishes with architect and owner prior to ordering.
5. Ground fault circuit interrupter to be provided for receptacles outdoors, in toilet rooms, and within 6' of sinks.

K. Switch and Receptacle Plates:
1. Coordinate all colors/finishes with architect and owner prior to ordering.
2. Provide multigang or combination plates for devices grouped in gang or combination.
3. Provide plate with separate spring type cover for each outlet of waterproof duplex receptacles mounted on FA or FD box. All outdoor plates shall be weatherproof while in use type.

Circuit Breakers:

L. 1. All circuit breakers serving lighting fixtures shall be switch rated "SWD".
2. Circuit breakers shall be as manufactured by Cutler Hammer, Square D, General Electric or Siemens ITE. Where existing equipment is being utilized, new circuit breakers shall be provided of type, size, manufacturer and AIC rating to match existing.

M. Motors, Control Panels, Etc., Furnished by Others:
1. Check the Drawings and Specifications covering all branches of the work to ascertain what equipment is furnished by others. It will be this Contractor's responsibility to furnish the necessary labor and materials to receive and wire said equipment. Check the Plumbing and Mechanical Drawings and Division 15 of the Specifications carefully for wiring by the Electrical Contractor.

N. Motor Starters: Furnish, install, and wire all motor starters as shown on Drawings. Characteristics are as follows:
1. Each 3 phase starter shall be in a NEMA 1 enclosure, combination, magnetic across the line as scheduled on the Drawings. Each starter shall have H.O.A. feature and 120 volt control transformer.
2. Each starter for 120 volt motors as shown shall be in NEMA 1 enclosure and of the thermal toggle type. Where pilot lights are indicated, same shall be built into enclosure. Flush boxes shall be provided where starters are shown in finished areas.
3. Starters shall be as manufactured by Cutler Hammer, Square D, or General Electric or Siemens ITE.

O. Floor boxes: Furnish, install, and wire all floor boxes as shown on Drawings. Characteristics are as follows:
1. Floor boxes shall be stamped steel with adjustable floor leveling screws as manufactured by Wiremold 885B shallow service type.
2. Provide Wiremold 895TCAL 5 1/4" carpet flange for all specialty floor installations including hardwood floor applications.
3. Finish shall be brushed brass.

PART 3 - EXECUTION

3.01 PREPARATION/INSTALLATION/APPLICATION

A. Conduit:
1. Installation - conduit:
a. Conduit to be run exposed in unfinished areas such as mechanical, electrical room, stock rooms, and Urban Outfitters Sales floors. All other conduit shall be concealed. Provide trapeze support structure as detailed on electrical drawings to carry all exposed conduit back to stock area and back of house.
b. Run parallel or perpendicular to exterior walls of building.
c. Locate to avoid equipment, fixtures, ductwork, piping, etc.
d. Layout and install work in advance of the laying of floors, walls, etc., and furnish and install all sleeves that may be required for openings through floors, walls, etc.
e. Where conduit is to be run exposed, furnish and install all inserts and clamps for the supporting of conduit. If contractor does not properly install all sleeves and inserts he will be required to do the necessary cutting and patching later at his own expense, and to the satisfaction of the Architect.
g. Do not obstruct openings or passageways.
h. Where conduit passes through floors or through smoke and fire walls, space between conduit and floor or wall shall be filled with cement grout.
I. Radius of bends shall be not less than six(6) times internal diameter. Any run of conduit shall not include more than the equivalent of four(4) quarter bends.
j. Sales floor of Urban Outfitters shall be completely hard piped with EMT. MC cable or flexible conduit shall not be utilized except where specifically detailed. Layout of conduit must be reviewed with general contractor and UO CPM to confirm layout is acceptable. Conduit routing on the sales floor is an aesthetic piece of the architectural design of the store. Contractor shall receive approval from the architect and construction manager prior to any installation of conduit on the sales floor.
k. Provide expansion fittings for all conduits at expansion joints.
l. MC cable may be utilized within wall cavities and back of house areas where permitted by local code authorities.
2. Cutting Conduit:
a. Measure and cut conduit from job site conditions, not from Drawings.
b. Conduit shall be cut square and butted solidly into fittings.
c. On rigid conduit, cut conduit full and clean with sharp dies. Ream ends of pipe after cutting and before assembly to remove burrs.
d. Ream thin-wall conduit (EMT) after it is cut.
3. Liquid Tight and Flexible Conduit:
a. Liquid tight flexible conduit shall be installed in such a manner that liquids tend to run off the surfaces and not drain toward the fittings.
b. All runs of flexible conduit shall be as short as practical, of the same size as the conduit it extends and with enough slack to reduce the effects of vibration. A minimum of 24 inches of flexible conduit shall be installed.
c. Where the fittings are brought into an enclosure with a knockout, an insulated throat type fitting with liquid sealing "O" ring shall be used.
d. Flexible metal conduit shall be installed for all final equipment connections to transformers, light fixtures (lay-in type) and all other devices where so required.
4. Type of Conduit:
a. The following areas shall be galvanized steel heavy wall conduit or IMC:
1) In earth fill.
2) Exposed in wet areas.
3) Exposed outdoors (Provide watertight fittings & boxes).
4) Outside masonry walls.
5) Within building confines run in concrete slab. Couplings for conduit run in poured concrete shall be concrete tight.
b. Conduit run in dry areas within building confines shall be EMT. Dry areas are inside partitions, ceiling cavities and areas not subject to damage. Outside walls are not considered dry areas.
5. Supporting of Conduit:
a. All conduits must be independently supported from structure. No conduits shall be supported from the ventilating ducts, ceiling hangers, mechanical piping or their hangers.
b. All surface run conduit one inch(1") and smaller shall be supported every five feet with one hole straps with clamp backs. Perforated strap hangers will not be permitted.
c. Hangers shall be proportioned for the weight of the conduit(s) supported. All rods, clamps and/or hangers shall be galvanized, bonderized, plated or painted. Where factory supplied, with one of the above rust resistant finishes, all field cuts and threads are to be painted and covered with a grey finishing paint.
d. Trapeze type hangers may be used where several conduits occur at the same elevation. The spacing of such trapeze hangers shall be determined by the electrical code spacing requirements for the smallest conduit in the run.
e. Approved type inserts for support of work in cast or concrete construction.
f. Approved type steel beam clamps in the case of steel construction.
6. Where holes or recesses must be cut in walls, floors, ceilings, or any part of the building to admit apparatus, conduit or other work of this Contractor, he must have it done by a competent mechanic in a neat and workmanlike manner. The portions cut must be restored to their original condition at the expense of this Contractor. This Contractor shall provide for all of his own cutting and patching.
7. All conduits run in or below any grade slab shall be heavy wall conduit and entirely encased in 2" of concrete. In no case shall conduit be laid in fill below slab. Conduit shown as plastic shall be schedule 40.
8. 3/4"D. minimum conduit shall be utilized.
9. Provide:
a. Supplementary angles, channels, plates, etc., where supports are required between building's structural members, spanning the space and attached to building structural members, by welding, bolting or with concrete anchors.
b. All rods, angles, rails, struts, brace plates, platforms, etc. required for suspension or support of conduit and equipment.
c. Straps, clamps, threaded rods, turnbuckles, anchors, etc., and all miscellaneous specialties for the attachment of hangers and supports to the structure.
10. Unless otherwise noted on the Drawings, the following shall apply:
a. Convenience outlets shall be placed on separate circuits from motor and lighting outlets.
b. Motors shall be placed on separate circuits from lighting outlets.
c. Convenience outlets shall not be installed back to back.

B. Motor and Equipment Wiring:
1. Unless indicated or specified elsewhere perform the following:
a. Connect and wire to each motor and piece of electrically operated equipment shown on the Drawings or as specified in these Specifications.
b. Furnish, install and connect all starters, controller selector switches, pilot lights, pushbuttons' stations for each motor and piece of electrically operated equipment shown on Drawings, or as specified in the Specifications, unless otherwise indicated.
c. Furnish and install all wiring from the current source to all starters and from starters to motors, except in the case of factory installed wiring packaged equipment. Wire to the line side of all prewired equipment.
d. Furnish and install a disconnect switch ahead of all prewired package equipment. Coordinate with Mechanical Trades Contractor.
e. Install all roughing-in pertaining to each item of equipment furnished under other Sections of the Specifications or by the Owner. Locations of electrical outlets for this equipment are indicated on the Drawings in their approximate locations. The supplier furnishing the equipment will furnish dimensional drawings accurately locating all roughing-in required for his equipment.
f. Receive, set and align motors which are shipped loose if local union or trade jurisdiction practice requires doing so.
g. Provide all control circuit and interlock wiring and connections for all mechanical equipment as indicated and scheduled on the Drawings.
2. If a disconnect switch is required by the enforcing code and not indicated on the Drawings or in the Specifications, it shall be furnished and installed.
3. Where specific locations of switches and starters are not shown on the Drawings, these shall be placed near the motor.

C. Thermostats:
1. Refer to energy management section of specifications for thermostat specification as well as details on plan drawings for energy management system.
2. Provide a 4" square backbox with plaster extension ring with 3/4" conduit and associated wiring from each thermostat to appropriate mechanical equipment. Refer to wiring diagrams on drawings for additional information.

C. Conductors, Cables:
1. Except where otherwise shown on the drawings all wiring shall be installed in conduit.
2. Conductors and cables shall not be installed in conduit or raceways until same are free from moisture and debris.
3. Leave a minimum of six inch(6") length of cable and conductor slack at each outlet.

D. Expansion Fittings:
1. Expansion fittings shall be installed in all conduits crossing expansion joints. Refer to Architectural drawings for locations.

E. Prohibited wiring methods:
1. BX, AC, NM, NMC, NMS, UF, USE, SE, FCC.

SECTION 16400
SERVICE AND DISTRIBUTION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section.

B. Section 16010, "General Provisions - Electrical", applies to the work specified in this Section

1.02 DESCRIPTION

A. Work Included:
1. Complete electrical service and secondary distribution system.
2. All charges by the Local Utility Company for construction related work. Owner charges will be paid by the Owner.
3. System Grounding per the local Utility Company and the N.E.C.
4. Main distribution panelboards and lighting panelboards as scheduled.
5. Utility approved current transformers and meter fittings.
6. Utility Company transformer support pad and primary conduit(s).
7. Complete secondary 120/208 volt, 3 phase, 4 wire or 277/480 volt, 3 phase, 4 wire 60 hertz service from the secondary side of pad mounted transformer into the building main service overcurrent protective device.
8. Tenant metering where shown and required.

PART 2 - PRODUCTS

2.01 EQUIPMENT

A. Main Distribution Panelboards:
1. Shall be as scheduled on the drawings.
2. Panelboard shall be enclosed in steel cabinet of rigidity and gauge of steel per UL Standard #50 for cabinets.
3. Acceptable manufacturers are Cutler hammer, Siemens ITE, General Electric and Square D.
4. Bus structure shall be copper not exceeding density of 1000 amps per square inch of cross section. Buss supports shall be adequate to withstand 42,000 amperes symmetrical short circuit stresses minimum.
5. Provide with a copper ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.
6. Panelboard shall be braced for short circuit capacities as scheduled by the local Utility Company; however, the minimum bracing shall be 42,000 A.I.C. symmetrical.
7. Each circuit breaker shall be equipped with an approved nameplate which indicates the name of the equipment (motor, panelboard, etc.) to which the feeder conductors are connected.

B. Building Metering: For metering furnish and install on the C/T compartment or on the exterior wall a mounting panel with all meter accessory equipment for mounting thereon the associated Utility Company's meter requirements.

C. Lighting and Appliance Panelboards:
1. Panels shall be type indicated on the Drawings, with main lugs, main breakers, bolt-on branch breakers, spares and spaces as scheduled. Ground fault interrupter (GFI) circuit breakers shall be provided where noted.
2. Panels shall comply with U.S. Federal Specification WP115a, Type I, Class I. Where applicable, provide with copper bus of density not exceeding 1000 amps per square inch.
3. The Electrical Contractor shall balance all circuits within 10 % phase to phase. All conductors shall be continuous without splicing from last outlet to their terminals in cabinet. All circuit conductors in cabinet shall be installed with sufficient amount of length to reach the most remote breaker connection from its point of entrance.
4. Panelboard fronts shall be fabricated from a flat piece of full finished code gauge sheet steel with door cut out leaving a trim of proper width around the door. Provide a latching mechanism controlled by a chrome plated vault-handle on doors twenty-four inches(24") or over in height. All Locks to be keyed alike to the panel manufacturer's standard key. Two(2) Keys shall be furnished with each cabinet.
5. Contractor shall provide a directory of circuits for cabinet. Directory shall be typewritten designating room or equipment and circuit numbers. Directory frame, lock, hinges, etc., are to be secured to inside of door and trim in such a manner that screws, holes or welds, etc., are not visible on the door panel or trim.
6. The width and height of cabinets shall be sufficient to provide a wiring gutter at the two sides and at the top and bottom of not less than 4". Additional width or height shall be provided, if required for entering conduits. Additional wiring gutter space shall be provided, if required for main or sub-feeder cables passing through to feed other cabinets.
7. Where 2 or 3 pole breaker units are called for, they shall be one unit with common trip and not single pole units with handle ties. Capacity of main busses shall be as shown on the Drawings.
8. Provide with a copper ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.
9. Provide with a copper isolated ground bus where specifically indicated on the panel schedules. The ground bus shall be isolated from the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements. Provide an isolated ground conductor to point of service ground within raceway(s) containing feeder conductors.
10. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE.
11. Panelboards shall be braced for short circuit capacities as scheduled by the local Utility Company with no less than 14,000 AIC for 277/480 volt panelboards and 10,000 AIC for 120/208 volt panelboards. All panelboards shall be fully rated for the available fault current. Series rating of panelboards is not acceptable.
12. All breakers utilized for switching lighting shall be labeled switching duty type.

D. TRANSFORMERS
1. All transformers shall be 115 degree C temperature rise above a 40 degree C ambient.
2. Sound levels shall not exceed Nema Standards.
3. All windings shall be aluminum.
4. All transformers shall be energy star complain and NEMA TP-1 rated for energy efficiency.
5. Provide a 6" concrete pad for floor mounting of each transformer. Provide a vibration isolation pad for each transformer.
6. Provide a conduit with grounding electrode sized per NEC to point of service ground.
7. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Transformer shall match panelboard manufacturer.

E. LIGHTING CONTACTORS

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC J. MEKIKEN
No. 10490
LICENSED PROFESSIONAL ENGINEER
7-21-11

ARCH PROJECT #: 1121907
DRAWN BY:

DRA
EAM

ISSUE / DATE:

100% CHECKSET
07-08-11

PERMIT/ BID SET
07-22-11

ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
ELECTRICAL SPECIFICATIONS

SHEET NO. :
E600

D. TRANSFORMERS
1. All transformers shall be 115 degree C temperature rise above a 40 degree C ambient.
2. Sound levels shall not exceed Nema Standards.
3. All windings shall be aluminum.
4. All transformers shall be energy star complaint and NEMA TP-1 rated for energy efficiency.
5. Provide a 6" concrete pad for floor mounting of each transformer. Provide a vibration isolation pad for each transformer.
6. Provide a conduit with grounding electrode sized per OSEC to point of service ground.
7. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Transformer shall match panelboard manufacturer.

E. LIGHTING CONTACTORS
1. Lighting contactors shall be normally open type with 120 volt coils.
2. Quantity of poles shall be as specified on the plan drawings but not less than 4 per contactor.
3. Separate contactors shall be provided for 346 volt lighting and 120 volt lighting.
4. Interface lighting contactors with Novar system as indicated on drawings.
5. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Contactors shall match panelboard manufacturer.

PART 3 - EXECUTION
3.01 INSTALLATION
A. Electrical service, metering and main distribution shall be as shown on the Drawings and as herein specified.
B. System Grounding: Shall be in strict accordance with the Ontario Electrical Safety Code, Local Governing Authorities and in accordance with the recommendations of the Utility Company.
C. Electrical Service:
1. Electrical service shall be from the Utility Company's transformer at 3 phase, 4 wire, 60 hertz with voltage as specified on the Drawings.
2. Furnish and install the secondary service from transformer or utility connection point to the current transformer cabinet and into the main service switches as shown on the Drawings. Leave sufficient slack cable, at the transformer locations for connection of the secondary conductors to the transformer by the Utility Company.
3. This Contractor shall contact the Utility Company to obtain all information necessary for the work, incorporate their instructions into the work, and obtain their approval of all work and material. Include all contractor related costs in base bid.

D. Grounding:
1. Provide an electrically continuous ground system from service to all points of utilization. In general, all pieces of electrical equipment shall be grounded as required by local codes and regulations, but special attention is called to the following items to be grounded as indicated:
a. All distribution equipment including switchboard, transformer and panelboards.
b. Conduit and other metallic raceways.
2. In general where grounding wire is shown use green color.
3. Provide complete isolated ground system for cash register and telephone system and other systems as indicated on drawings. All circuits serving cash registers and POS system shall be isolated and segregated from other circuits.

SECTION 16500
LIGHTING SYSTEMS AND CONTROLS
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Receiving, Installing and wiring lighting fixtures as shown on Drawings, Lighting Fixture Schedule, and as furnished by the Owner.
2. All fixtures shall be received, unloaded, inventoried, handled, stored, protected, uncrated, installed, wired, lamped etc. by the electrical contractor (EC). Contractor shall confirm condition, quantity, and specification of fixtures upon receipt. Contractor shall immediately report any damage, missing items, deviation from spec.
3. Installation of lighting fixtures shall be carefully coordinated with architectural, structural, mechanical and sprinkler drawings to avoid conflicts. If conflicts should arise, Contractor shall clarify with architect prior to proceeding with installation.
4. Refer to the Architectural Room Finish Schedules and Architectural and Structural details to determine conditions and finishes affecting the installation of the work. Include, to the full intent and meaning of these Specifications, all items of labor and materials necessary for design, detailing or adjustment of fixtures due to surrounding finishes and construction.

PART 2 - PRODUCTS
2.01 MATERIALS
A. All lighting fixtures and lamps shall be furnished by Owner unless specifically noted otherwise.

PART 3 - EXECUTION
3.01 INSTALLATION
A. Fixtures: An outlet is to be provided for each fixture. All fixtures shall be located to suit the Architectural details of the areas involved. Unpack, assemble, wire and install all fixtures at the proper locations indicated on the Drawings.
B. Recessed Fixture Installation: Recessed fixtures shall be of type suitable for mounting in the type of ceiling as scheduled on the Drawings. Variations to catalog numbers indicated shall be made to assure proper mounting and fitting arrangements, prior to fabrication. Changes to be made by this Division Contractor must have prior written approval from the Architect.
C. Supports:
1. Each lighting fixture shall be rigidly supported from the building construction. Provide suspension hangers, stems and extra steel work for fixture support where required.
2. Confer with Ceiling Contractor to determine modifications required to make fixtures suitable for ceiling as installed.
3. Where recessed fixtures are called for, each shall be provided with the proper plaster frame or suitable adapter to receive the finished ceiling construction.
4. Where suspended acoustic tile ceilings on steel channels occur, outlets and fixtures shall be supported on members resting on the channel framework. In no case shall fixtures be supported from plaster or acoustic material.
5. Suspended fixtures shall be hung on suspension hangers furnished by the fixture manufacturer and shall be adjusted as necessary during installation to insure that all fixtures in the same room or area are at a uniform height from the floor. Mounting height shall be as specified, detailed or noted on the Drawings.
6. Any electrical lighting fixture which weighs more than 50 pounds shall be supported independently of the outlet box.
7. All fixtures with pendant lengths greater than 24" shall have two supports or be provided with a swivel type stem.

D. Fixture Wiring:
1. Fixtures shall be wired with white wire for the neutral and colored wire for phase wires, see Section 16100.
2. Housing of all fixtures must be grounded to conduit system.
3. Each fixture to be complete with holders, screws, sockets, wires, lamps, etc., as is necessary for a complete installation.

E. Operation and Controls:
1. Local switches as shown and wired.
2. Exit and directional signs shall be constantly on, and wired as shown.

SECTION 16600
SECURITY SYSTEM
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s).
b. 3/4" conduit with pull wire to each door contact, sound detection, silent duress alarm, infrared sensor etc.

PART 2 - PRODUCTS
2.01 DESCRIPTION
A. All Equipment and associated installation and wiring of equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of any raceways and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION
3.01 RELATED DOCUMENTS
A. Performance:
1. Installation shall meet approval of the security system vendor and shall be in accordance with their requirements.
B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16620
ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEMS
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s).
b. 3/4" conduit with pull wire to floor mounted detector at sales floor entrance/exit.

PART 2 - PRODUCTS
2.01 DESCRIPTION
A. All Equipment and associated installation and wiring of equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of any raceways and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION
3.01 RELATED DOCUMENTS
A. Performance:
1. Installation shall meet approval of the EAS system vendor and shall be in accordance with their requirements.
B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.
END OF SECTION
SECTION 16630
CLOSED CIRCUIT TELEVISION (CCTV) SYSTEMS
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s).
b. 3/4" conduit with associated wiring to each camera and monitor location. Refer to floor plans for locations.
c. Low voltage cabling from CCTV head end location to each camera and monitor for final termination to devices by owners vendor.

PART 2 - PRODUCTS
2.01 DESCRIPTION
A. All Equipment and associated installation and termination of wiring to equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of all raceways, wiring and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION
3.01 RELATED DOCUMENTS
A. Performance:
1. Installation shall meet approval of the CCTV system vendor and shall be in accordance with their requirements.
B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16640
SOUND SYSTEM
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for sound system. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s) within office for amplifier and sound rack and on sales floor for DJ rack where required.
b. 3/4" conduit with pull wire to speaker and device location. Refer to floor plans for locations. Each speaker does not require an independent conduit home run to the office equipment.
c. Provide a 1" conduit from office rack to each building floor sales floor for speaker wiring on that floor.

PART 2 - PRODUCTS
2.01 DESCRIPTION
A. All Equipment and associated installation and wiring to equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of all raceways, wiring and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION
3.01 RELATED DOCUMENTS
A. Performance:
1. Installation shall meet approval of the sound system vendor and shall be in accordance with their requirements.
B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16650
TELEPHONE SYSTEM
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for telephone system. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s) for telephone equipment at telephone backboard.
b. 3/4" conduit with pull wire to each telephone location. Refer to floor plans for locations.
c. 1 1/4" conduit with pull wire to each cash wrap location. Refer to floor plans for locations.
d. Provide ground lug at telephone board and ground to electrical service ground location if present within tenant space or to grounded building steel.
B. Work by Telephone vendor:
1. All wiring, jacks and terminations for telephone instruments.
2. All telephone equipment.
C. Work by landlord:
1. Landlord shall provide a 2" empty conduit raceway to point of telephone utility connection to rear of tenant space.

PART 2 - PRODUCTS
2.01 MATERIALS
A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.
B. Wall boxes to be flush, 4" square, with extension ring.
C. Plates shall be furnished and installed with jacks by owners low voltage telephone vendor.

PART 3 - EXECUTION
3.01 INSTALLATION
A. Performance:
1. Installation shall meet approval of the telephone vendor and shall be in accordance with their requirements.
B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16660
DATA/POS SYSTEM
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for telephone system. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s) within office for POS/DATA equipment.
b. 1 1/4" conduit with pull wire to each cash wrap location. Refer to floor plans for locations.
c. 1" interconnecting conduit between each section of cashwrap.
B. Work by POS system vendor:
1. All wiring, jacks and terminations for POS system.
2. All POS equipment.

PART 2 - PRODUCTS
2.01 MATERIALS
A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.
B. Wall boxes to be flush, 4" square, with extension ring.
C. Plates shall be furnished and installed with jacks by owners low voltage POS system vendor.

PART 3 - EXECUTION
3.01 INSTALLATION
A. Performance:
1. Installation shall meet approval of the POS system vendor and shall be in accordance with their requirements.
B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16721
FIRE ALARM SYSTEM
PART 1 - GENERAL
1.01 DESCRIPTION
A. Work Includes:
1. The contractor shall furnish and install a complete 24 VDC, electrically supervised, conventional / addressable fire alarm system as specified herein and indicated on the drawings. The system shall include but not be limited to all control panels, power supplies, initiating devices, audible and visual notification appliances, alarm devices, and all accessories required to provide a complete operating fire alarm system.
2. Furnishing and installing a complete extension of the existing fire alarm system for the tenant spaces, including all equipment, wiring, conduit, outlet and junction boxes and all accessories required.
3. Furnishing and installing a complete Fire alarm system for the tenant spaces, including all equipment, wiring, conduit, outlet and junction boxes and all accessories required.
B. Submit Drawings and receive approval from the Landlord and the Local Fire Prevention Bureau.

1.02 QUALITY ASSURANCE
A. The entire fire alarm system shall meet or exceed all State and local Codes and ordinances.
B. Fire alarm system shall be in compliance with the following:
1. National Electrical Code 2006

C. All equipment furnished for this project shall be new and unused. All components shall be designed for uninterrupted duty. All equipment, materials, accessories, devices and other facilities covered by this specification or noted on the contract drawings and installation specification shall be best suited for the intended use and shall be provided by a single manufacturer. If any of the equipment provided under this specification is provided by different manufacturers, then that equipment shall be "Listed" as to its compatibility by Underwriters Laboratories (UL), if such compatibility is required by UL standards.

1.03 REQUIREMENTS OF REGULATORY AGENCIES:
A. Furnish a conduit and wiring riser diagram of the fire alarm system and service equipment as installed in the tenant remodeled spaces.

1.04 MANUFACTURER'S SERVICES:
A. The following supervision of installation shall be provided by a trained service technician from the manufacturer of the fire alarm equipment. The technician shall be U.L. certified and have had a minimum of two(2) years of service experience in the fire alarm industry.
B. The manufacturer's service technician shall be responsible for the following items:
1. Pre-installation visit to the job site to review equipment submittals and verify method by which the system should be wired.
2. During job progress make periodic job site visits to verify installation and wiring of system.
3. Upon completion of wiring, final connections shall be made under the supervision of this technician and final checkout and certification of the system.
4. At the time of final checkout, technician shall give operational instructions to the electrician, landlord and construction manager as well as any Urban Outfitter representative.

1.05 SUBMITTALS
A. Shop drawings for the complete fire alarm system shall be submitted for approval.
B. Shop drawings shall include the following data:
1. Catalog Data: Manufacturer's literature and illustrations.
2. Dimensions of equipment.
3. Complete wiring diagrams. Including point to point Wiring diagrams.
4. Manufacturer's installation and operation instructions.
5. Battery calculations for system.
6. Method of Operation document.
7. Voltage drop calculations.

1.06 SYSTEM OPERATION
A. The act of manually operating a manual station or the automatic operation of a thermodetector, smoke detector, or water flow switch shall cause the following:
1. Visually indicate at the fire alarm control/annunciator panel the area zone initiating the alarm.
2. The fire alarm control panel shall indicate both trouble and/or alarm conditions by zone.
3. Continuously sound all fire alarm audible and visual devices connected to the system until the system has been restored to normal.
4. Automatically shut down air handling units, as indicated on the Drawings.
5. Automatically disengage all magnetic door holders.
6. be arranged to transmit a fire alarm or trouble condition automatically to the fire station or Central monitoring system.
7. The general alarm devices may be silenced by entering a locked control cabinet and operating the proper silence switch. Operation of this switch shall be indicated by a trouble light and audible signal
B. When a device indicates any alarm condition the control panel must respond within three seconds. The General Alarm LED on the annunciator(s) should light and the LCD should prompt the user as to the current events. The alarm information must be stored in event memory for later review. When the alarmed device is restored to normal, the control panel shall be required to be manually reset to clear the alarm condition, except that the alarms may be silenced as programmed. An alarm shall be silenced by the silenced button at the main or by using a code and a button on the remote annunciators. When silenced, this shall not prevent the resounding of subsequent events if another event should occur (subsequent alarm feature). When alarms are silenced the silenced LED on the control panel, and on any remote annunciators shall remain lit, until the alarmed device is returned to normal.
C. When a device indicates a trouble condition, the control panel System Trouble LED should light and the LCD should prompt the user as to the current events. The trouble information must be stored in event memory for later review. When the device in trouble is restored to normal, the control panel shall be automatically reset. The trouble restore information must be stored in event memory for later review. Pushing the silence button at the main control or entering a code and pushing the silence button on the remote annunciators shall silence a trouble. When silenced, this shall not prevent the resounding of subsequent events if another event should occur.
D. Each multiplex buss loop shall be electrically supervised for opens and ground faults in the circuit wiring, and shall be so arranged that a fault condition on any loop will not cause an alarm to sound. Additionally, every addressable device connected to the multiplex buss will be supervised and individually identified if in a fault condition. The occurrence of any fault will light a trouble LED and sound the system trouble sounder, but will not interfere with the proper operation of any circuit which does not have a fault condition. Each indicating appliance circuit shall be electrically supervised for opens, grounds and short circuit faults, on the circuit wiring, and shall be so arranged that a fault condition on any indicating appliance circuit or group of circuits will not cause an alarm to sound. The occurrence of any fault will light the trouble LED and sound the system trouble sounder, but will not interfere with the proper operation of any circuit which does not have a fault condition.

PART 2 PRODUCTS
2.01 MATERIALS
A. (if existing system) Fire Alarm Control Panel; existing
1. Provide new power supples to support required peripheral devices in the existing fire alarm control panel.
2. Installation shall be under the direct supervision of the Landlord's Fire Alarm Vendor Representative.
3. All programming shall be done by the Landlord's Fire Alarm Vendor and those related costs shall be this Contractors responsibility.

A. (if NEW system) Fire Alarm Control Panel; New
1. The FACP must be capable of expansion to a maximum of 16 total amps via bus connected expander modules that supervise low battery, loss of AC and loss of communication.
2. The FACP must be capable of supporting up to eight (8) conventional fire zones and 247 addressable points. Each multiplex buss shall be capable of supporting a maximum of 128 devices each. The communication protocol on the multiplex buss loop must be digital.
3. The panel must have a built in 32 character LCD annunciator/keypad with the capability of having an additional four supervised remote annunciators/keypads connected in the field.
4. The FACP must have a built in UL approved digital communicator. The communicator must allow local and remote up/downloading of system operating options, event history, and detector sensitivity data for addressable detectors.
5. The main communication bus shall be capable of Class A or Class B configuration with a total bus length of 5,900 feet (1,798 m).
6. The multiplex buss and Data Communication Bus (options bus) shall be wired with no twisted, shielded or mid-capacitance wiring is required for standard installations. All FACP screw terminals shall be capable of accepting 14 AWG (1.8 mm) to 18AWG (1.2 mm) wire. All system wiring shall be in accordance with the requirements of NSA and the NEC.
7. Power Limited Wiring; for Power Limited wiring, use FPL, FPLR or FPLP approved wiring.
8. Annunciator; the main control must have a built in annunciator with a 32 character LCD display and feature LED's for General alarm, System trouble, System Silence and Power.
9. The annunciator must be able to silence and reset alarms through the use of a keypad entered code, or by just pushing the desired function key, depending on how the system is configured. The annunciators must have three levels of user codes that will allow the limitation of operating system programming to authorized individuals.
10. The digital communicator must be an integral part of the control panel and be capable of reporting all points and all zones of alarm, supervisory, and trouble as well as all system status information such as loss of AC, low battery, ground fault, loss of supervision to any remote devices with individual and distinct messages to a central station or remote station. The communicator must also be capable of up/downloading of all system programming options, Event history and Sensitivity compliance information to a PC on site or at a remote location.
11. The FACP will have two form "C" dry contacts that can be programmed for alarm, trouble notification, water flow, and supervisory.
12. A ground fault detection circuit shall be provided to detect positive and negative grounds on all field wiring. The ground fault detector shall operate the general trouble devices as specified but shall not cause an alarm to be sounded. A single ground fault will not interfere with the normal operation, such as alarm, or other trouble conditions.
13. All low voltage circuits will be protected by microprocessor controlled circuit breakers or has a self restoring circuit breaker for the following: smoke detector power, main power supply, indicating appliance circuits, battery standby power and auxiliary output.

B. Power Supply and Charger:
The entire system shall operate on 24 VDC power supply with the rated current available of 4 Amps. The FACP must have a battery charging circuit capable of complying with the following requirements: a. (60) hours of battery standby with five (5) minutes of alarm signaling at the end of this sixty (60) hour period (as required per ASA remote station signaling requirements) using rechargeable batteries with automatic charger to maintain standby sealed lead-acid batteries in a fully charged condition. The power supply shall comply with UL for power limiting. The FACP will indicate a trouble condition if there is a loss of AC power or if the batteries are missing or of insufficient capacity to support proper system operation in the event of AC failure. A "Battery Test" will be performed automatically every three minutes to check the integrity of the batteries. The test must disconnect the batteries from the charging circuit and place a load on the battery to verify the battery condition. In the event that it is necessary to provide additional power one or more of the model D7038 Distributed Modules shall be used to accomplish this purpose.
C. Signal Initiating Devices; furnish and install signal initiating devices as shown on the Drawings.
D. Thermodetectors 135° RR & FT
E. Smoke Detectors with addressable base. Provide smoke detectors with auxiliary contacts as required.
The detector shall be UL listed compatible with the fire alarm control panel. The smoke detector shall have a flashing status LED for visual supervision. When the detector is actuated, the flashing LED will latch on solid. The LED shall flash at a 1/sec rate if the chamber is out of calibration range. The detector may be reset by actuating the control panel's reset switch. The vandal security-locking feature shall be used in those areas as indicated on the drawing. The locking feature shall be field selectable when required. All detectors shall have the "Chamber Check" feature with the addressable detectors sending a contaminated chamber signal to the FACP.
F. Manual Fire Alarm Stations shall be non-coded, break glass, double action type, with a key operated test-reset lock in order that they may be tested, and so designed that after actual Emergency Operation, they cannot be restored to normal except by use of a key. An operated station shall automatically condition itself so as to be visually detected, as operated, at a minimum distance of fifty feet, front or side. Manual Stations shall be constructed of die cast metal with clearly visible operating instructions on the front of the stations in raised letters. Stations shall be suitable for surface mounting on matching back box, or semi-flush mounting on a standard single-gang box.
G. Duct Photoelectric Smoke Detectors are furnished preinstalled in roof top units and wired by electrical contractor. Interface with fire alarm system through a new addressible interface module.
H. Water flow and tamper switches are to be furnished under another Section but wired by this Contractor and provided with addressable monitor modules.
I. Provide and install visual devices in all public use areas and in non public areas, such as work areas and as indicated on the drawings. The visible and audible/visible signal shall be Bosch Multi-candela signal devices with field selectable settings of 15, 30, 75, 110cd and be listed by Underwriters Laboratories Inc.
J. The notification appliance (combination audible/visible units only) shall produce a peak sound output of 90dba or greater as measured in an anechoic chamber. The signaling appliance shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of wires. All visual devices shall be synchronized.
K. The visible signaling appliance shall maintain a minimum flash rate of 1 Hz or greater regardless of power input voltage. The appliance shall meet the candela requirements of the blueprints presented by the Engineer.
L. The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox with the use of an adapter plate. The unit shall have an input voltage range of 16 - 33 Volts with either direct current or full wave rectified power.
M. Furnish and install as shown on the Drawings, slave fan shutdown relays.
N. Magnetic Door Holders - Furnish and install as shown on the Drawings, semi-flush wall mounted magnetic door holders. Where wall unit is not possible to install, furnish and install closure mounted on door(s) frame.

PART 3 EXECUTION
3.01 SYSTEM WIRING
A. All final connections shall be made under direct supervision of Manufacturer's factory engineer. After final checkout, Owner's personnel shall be verbally instructed in use and operation of system, and shall be provided with four(4) copies of written instructions.
B. Color Coding: For fire alarm system shall match existing Building standards.
C. Prepare conduit and wiring risers, (point to point) for construction and records. Submit to municipality Fire Prevention Bureau and Landlord for approval prior to start of any work.
D. The installer shall coordinate the installation of the fire alarm equipment.
E. All conductors and wiring shall be installed according to the manufacturer's recommendations. It shall be the installer's responsibility to coordinate with the supplier, regarding the correct wiring procedures before installing any conduits or conductors.
F. System components shall be installed in accordance with the latest revisions of the appropriate NSA pamphlets, the requirements contained herein, National Electrical Code (NEC) 2006, local and state regulations, the requirements of the fire department and other applicable authorities having jurisdiction (AHJ).
G. All wire used on the fire alarm system shall be UL Listed as fire alarm protection signaling circuit cable per National Electrical Code (OESC) 2006. The use of FPL, FPLR or FPLP wiring for power limited applications.

3.02 WARRANTY & FINAL TEST
A. The contractor shall warrant all equipment and wiring free from inherent mechanical and electrical defects for one year (365 days) from the date of final acceptance.
B. Before the installation shall be considered completed and acceptable by the awarding authority, a test of the system shall be performed as follows:
1. The contractor's job foreman, a representative of the owner, and the fire department shall operate every building fire alarm device to ensure proper operation and correct annunciation at the control panel.
2. At least one half of all tests shall be Performed on battery standby power
3. Where application of heat would destroy any detector, it may be manually activated.
C. The communication loops and the indicating appliance circuits shall be opened in at least two (2) locations per circuit to check for the presence of correct supervision circuitry.
D. When the testing has been completed to the satisfaction of both the contractor's job foreman and construction manager, a notarized letter cosigned by each attesting to the satisfactory completion of said testing shall be forwarded to the owner and the fire department.
E. The contractor shall leave the fire alarm system in proper working order, and, without additional expense to the owner, shall replace any defective materials or equipment provided by him under this contract within one year (365 days) from the date of final acceptance by the awarding authority.
F. Prior to final test the fire department must be notified in accordance with local requirements.

3.03 AS BUILT DRAWINGS, TESTING, AND MAINTENANCE INSTRUCTIONS
A. A complete set of reproducible "as-built" drawings showing installed wiring, color coding, and wire tag notations for exact locations of all installed equipment, specific interconnections between all equipment, and internal wiring of the equipment shall be delivered to the owner upon completion of system.
B. Operating and instruction manuals shall be submitted prior to testing of the system. Three (3) complete sets of operating and instruction manuals shall be delivered to the owner upon completion. User operating instructions shall be provided prominently displayed on a separate sheet located next to the control unit in accordance with UL Standards.

SEISMIC DESIGN REQUIREMENT:

ALL ELECTRICAL COMPONENTS AND EQUIPMENT SHALL BE RESTRAINED IN ACCORDANCE WITH SECTION 1621 OF THE 2003 INTERNATIONAL BUILDING CODE FOR SEISMIC DESIGN CATEGORY 'D'.

ANY COMPONENT SUPPORT DETAILS, NOTES, SPECIFICATIONS, OR OTHER ITEMS SHOWN IN THESE DRAWINGS INDICATE STANDARD SUPPORT REQUIREMENTS, AND REQUIRED SEISMIC RESTRAINTS SHALL BE PROVIDED IN ADDITION TO THESE STANDARD SUPPORTS. COORDINATE WITH STRUCTURAL FOR SEISMIC RESTRAINT DETAILS AND REQUIREMENTS.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
ERIC A. MENCKEN
No. 10490
REGISTERED PROFESSIONAL ENGINEER
7-21-11

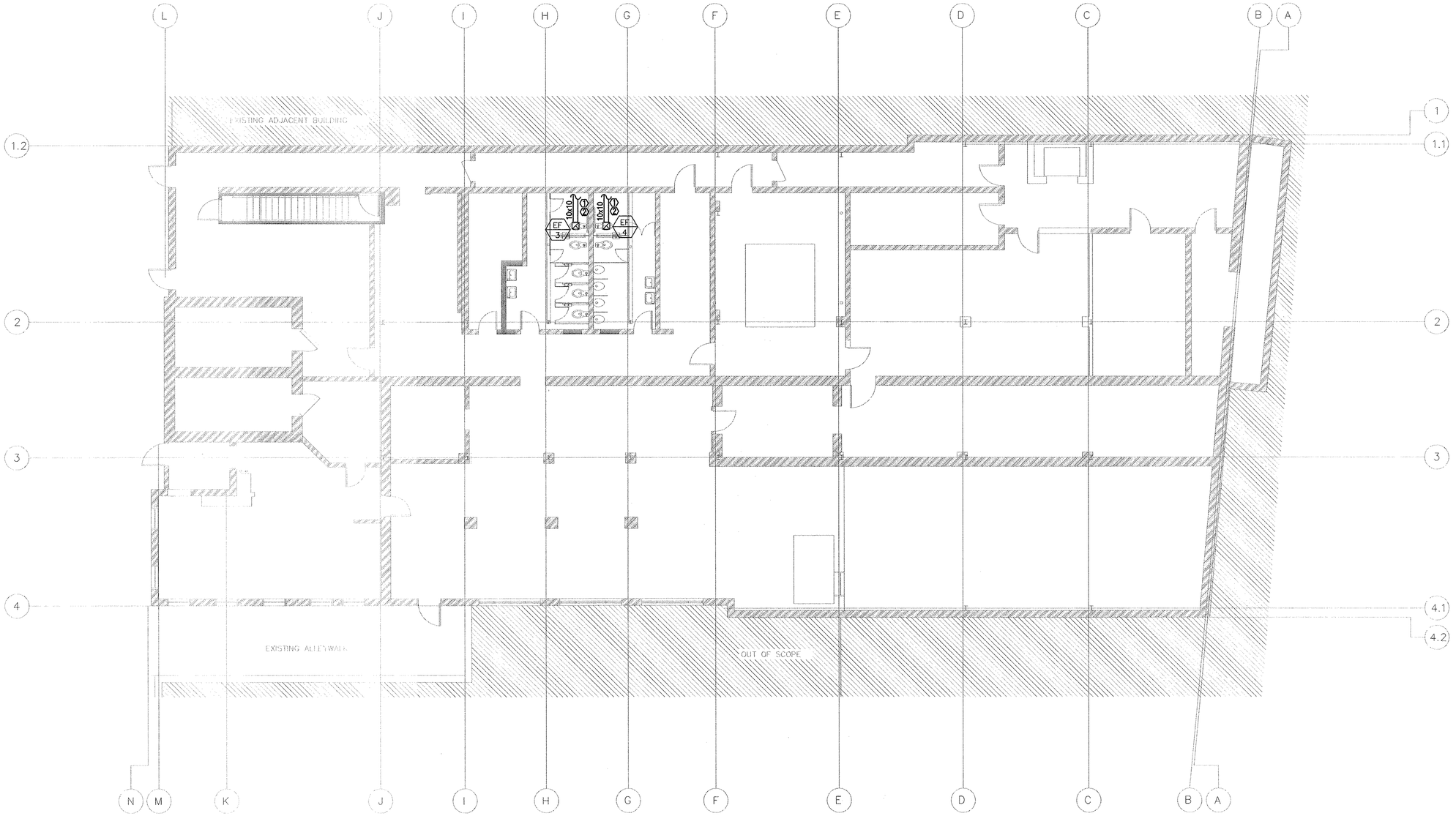
ARCH PROJECT #: 1121907
DRAWN BY:
DRA
EAM

ISSUE / DATE:
100% CHECKSET
07-08-11
PERMIT/ BID SET
07-22-11
ISSUED FOR CONSTRUCTION
07-22-11

REVISION :

SHEET TITLE :
ELECTRICAL SPECIFICATIONS

SHEET NO. :
E601



1 BASEMENT PLAN - HVAC

M100 SCALE: 1/8"-1'-0"

0 8' 16' 24' 32'

MECHANICAL KEYED NOTES

1. CONNECT NEW BATHROOM EXHAUST FANS TO EXISTING EXHAUST DUCT WORK.
2. FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING DIFFUSER. MINIMUM SIZE TO BE 14"Ø OR 14x12 IF NOT CONTACT ARCHITECT.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No. 11381
LICENSED PROFESSIONAL ENGINEER
7/21/11

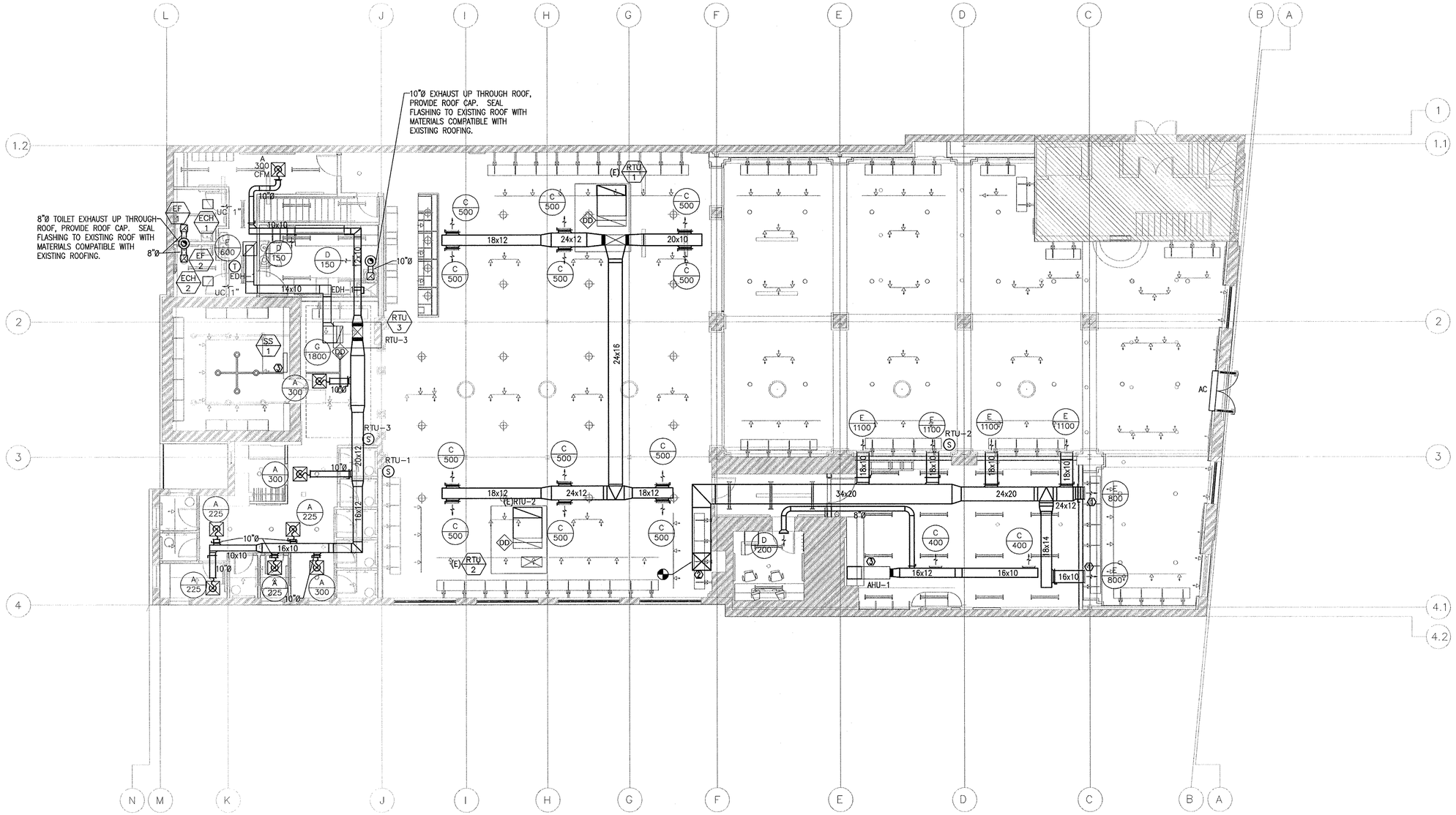
ARCH PROJECT #: 1121907
DRAWN BY:
CRF
WRL

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

SHEET TITLE :
MECHANICAL
BASEMENT PLAN

SHEET NO. :
M100



1 FIRST FLOOR PLAN - HVAC

M101 SCALE: 1/8"-1'-0"

0 8' 16' 24' 32'

MECHANICAL KEYED NOTES

1. COORDINATE DIFFUSER LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS.
2. CONNECT TO EXISTING SUPPLY DUCTWORK BELOW ROOF.
3. CONDENSATE TO BE PUMPED TO ROOF THROUGH DCHASE TO NEAREST ROOF DRAIN.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No. 11351
LICENSED PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907
DRAWN BY:
BRD
WRL

ISSUE / DATE:
100% CHECKSET
07-08-11

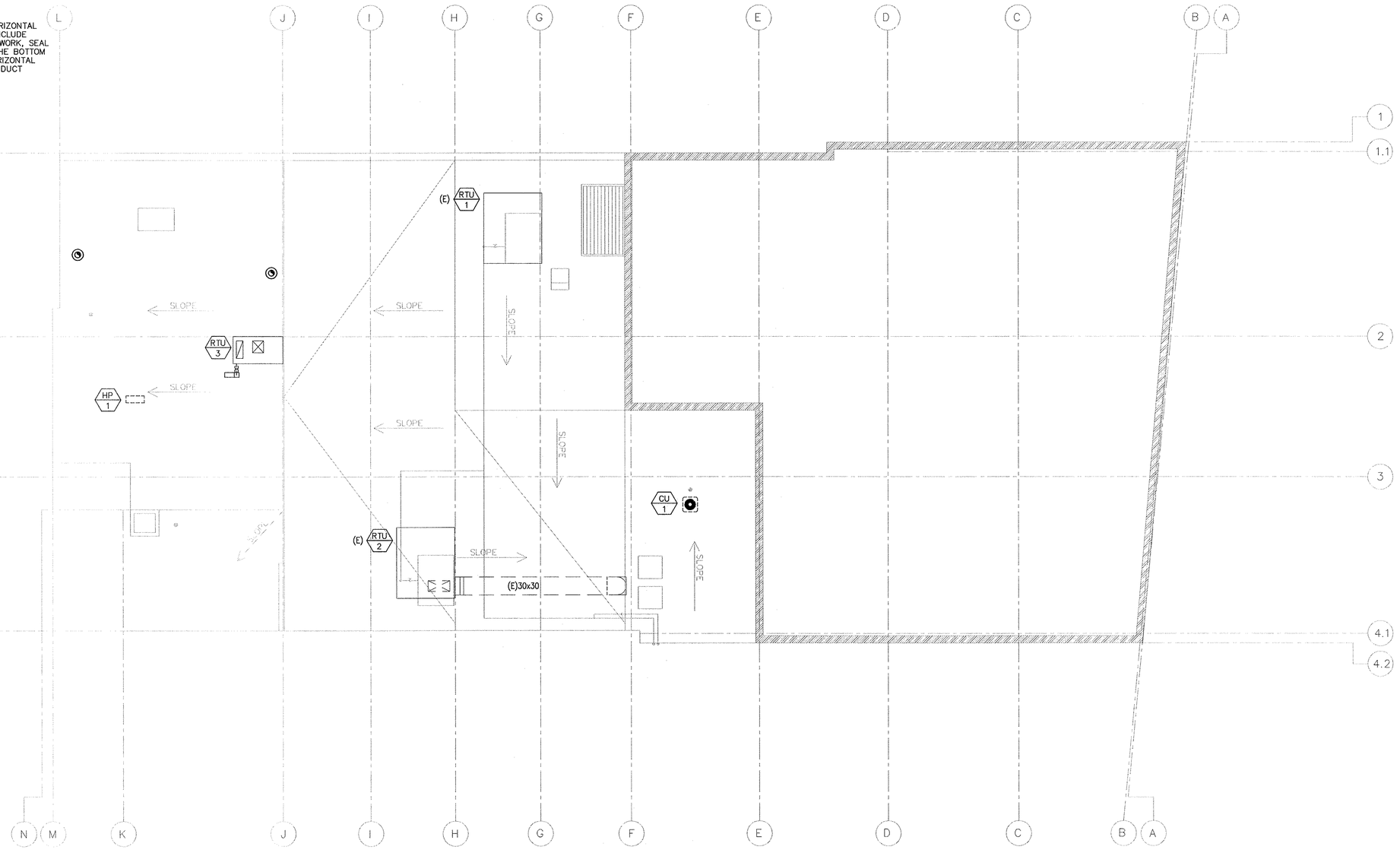
REVISION :

SHEET TITLE :
MECHANICAL
FIRST FLOOR PLAN

SHEET NO. :
M101

MECHANICAL PLAN KEY NOTES

1. DUCT DOWN THRU ROOF. SEE SHEET M100 FOR CONTINUATION.
2. PROPOSED GAS METER LOCATION, CONTRACTOR TO COORDINATE INSTALLATION OF NEW GAS METER WITH LANDLORD.
   TOTAL DEMAND=915 MBH. @ 7–11 IN. W.C.
   TOTAL DEVELOPED LENGTH=150 ft.
3. CONTRACTOR SHALL FIELD CONVERT THE UNIT FOR HORIZONTAL CONNECTIONS (NO EXCEPTIONS). CONVERSION SHALL INCLUDE REMOVAL OF ALL EXISTING SUPPLY AND RETURN DUCTWORK, SEAL AND INSULATE THE VERTICAL DUCT CONNECTIONS IN THE BOTTOM OF THE UNIT. REMOVE THE PANELS COVERING THE HORIZONTAL DUCT CONNECTIONS AND PREPARE THE UNIT FOR THE DUCT CONNECTIONS.
4. SEE SPECIFICATIONS FOR EXTERIOR DUCTWORK.



1 ROOF PLAN - HVAC
M102 SCALE: 1/8"-1'-0"

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No.11381
LICENSED PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907
DRAWN BY:
BRD

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

SHEET TITLE :
MECHANICAL
ROOF PLAN

SHEET NO. :
M102

GENERAL NOTES

1. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
2. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
3. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
4. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
5. HVAC CALCULATIONS ARE TO BE PERFORMED AT ASHRAE 0.4% STANDARDS.

SMOKE DETECTOR NOTE:

1. SMOKE DETECTORS SHALL BE PROVIDED WITH HVAC EQUIPMENT WHERE ALLOWED BY CODE.
2. SEE FIRE ALARM DRAWINGS FOR WIRING.

THERMOSTAT/ SENSOR NOTES

1. ALL THERMOSTAT/SENSORS TO BE LOCATED 5'-0" ABOVE FINISHED FLOORS.
2. WHERE THEROMSTATS/SENORS ARE LOCATED ON INTERIOR COLUMNS THEY SHOULD BE LOCATED AT REAR OF COLUMN WITH RELATION TO FRONT OF STORE.
3. THERMOSTAT/SENSOR SHALL NOT BE LOCATED ON FEATURES WALLS OR VIGNETTES.

EXPOSED SUPPLY AIR DUCTWORK

1. ALL EXPOSED SUPPLY AIR DUCTWORK SHALL BE RECTANGULAR OR ROUND SPIRAL UNLESS OTHERWISE INDICATED ON PLAN.
2. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEETS WITH AIRTIGHT LOCKED JOINTS.

DEMOLITION NOTES

REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, HANGERS, SUPPORTS, PIPING, AND ACCESSORIES SERVING THIS SPACE AND NOT INDICATED TO REMAIN. REMOVE UNUSED ROOF CURBS AND PATCH ROOF. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.

MECHANICAL SYMBOLS

- EXISTING METAL DUCTWORK
- NEW SHEET METAL DUCTWORK
- DUCTWORK TRANSITION
- DUCT BRANCH TAKE-OFF
- ROUND SPIN-IN WITH DAMPER
- FLEXIBLE DUCTWORK
- DUCT ELBOW WITH FIXED TURNING VANES (TO BE USED ONLY WHERE ROUND TURNS AREN'T FEASIBLE)
- (T) THERMOSTAT - ELECTRIC
- (S) REMOTE TEMPERATURE SENSOR - ELECTRIC
- (DD) DUCT MOUNTED SMOKE DETECTOR BY EC
- SCHEDULE NUMBER / CFM
- UNDERCUT DOOR BY GC
- CEILING MOUNTED EXHAUST FAN
- SUPPLY DIFFUSER
- RETURN GRILLE
- SUPPLY/ OUTSIDE AIR DROP
- RETURN/ EXHAUST AIR RISER
- SIDEWALL MOUNTED SUPPLY REGISTER
- SQUARE NOTE DESIGNATION
- REVISION DESIGNATION
- (M) ELECTRICAL OPERATED DAMPER
- MANUAL VOLUME DAMPER
- TAG / SCHEDULE NUMBER

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
(E)	EXISTING
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
SA	SUPPLY AIR
RA	RETURN AIR
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
HZ	FREQUENCY
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
OA	OUTSIDE AIR
PD	PRESSURE DROP
TYP	TYPICAL
WC	WATER COLUMN
WB	WET BULB
EF	EXHAUST FAN
EA	EXHAUST AIR
MC	MECHANICAL CONTRACTOR
GC	GENERAL CONTRACTOR
LL	LANDLORD
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN

THIS PROJECT MAY NOT USE EVERY SYMBOL OR DEVICE APPEARING ON THIS LEGEND.

DIFFUSER, REGISTER, LOUVER SCHEDULE

MARK	A	B	C	D	E	F	G
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	OMNI	OMNI	300RL	300RL	YS-DL-SV	350FL	350FL
TYPE	CEILING DIFFUSER	CEILING DIFFUSER	SUPPLY REGISTER	SUPPLY REGISTER	SUPPLY REGISTER	RETURN GRILLE	RETURN GRILLE
NECK SIZE (L"xW")	10"Ø	6"Ø	18"x6"	10"x6"	30"x10"	22"x22"	36"x18"
FACE SIZE (L"xW")	24"x24"	12"x12"	19-1/2"x7-3/4"	13-1/2"x7-3/4"	31-3/4"x11-3/4"	24"x24"	37-3/4"x19-3/4"
FRAME TYPE	SURFACE MOUNTED	SURFACE MOUNTED	ROUND DUCT	ROUND DUCT	ROUND DUCT	SURFACE MOUNTED	SURFACE MOUNTED
FINISH	GALVANIZED FINISH	STANDARD OFF-WHITE FINISH	GALVANIZED FINISH	GALVANIZED FINISH	GALVANIZED FINISH	STANDARD OFF-WHITE FINISH	PAINT PER ARCHITECT'S DIRECTION
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30	<30	<30
DAMPER	OPPOSED BLADE	OPPOSED BLADE	AIR SCOOP	AIR SCOOP	AIR SCOOP	-	-
NOTES	2	2	-	-	3	1	1, 3

ACCESSORIES:

EXT - EXTRACTOR, OBD - OPPOSED BLADE DAMPER

NOTES:

1. ALUMINUM CONSTRUCTION RETURN GILLES WITH BLADES SET AT 22.5 DEGREES FACING CEILING OR BACK WALL.
2. PROVIDE WITH RAPID MOUNT FRAME SUITABLE FOR INSTALLATION IN DRYWALL TYPE CEILINGS, WHERE APPLICABLE.
3. WALL MOUNTED

ACCEPTABLE ALTERNATE MANUFACTURERS: LINDAB (FOR LOW PROFILE REGISTERS), E.H. PRICE, KRUEGER, NAILOR, CARNES

TEMPERATURE CONTROL

1. FOR DX SPLIT SYSTEM UNIT WITH STAND-ALONE THERMOSTATS

A. THE THERMOSTATS WILL BE LIGHTSTAT TME-AVU SERIES. THE THERMOSTATS WILL HAVE THE REMOTE TEMPERATURE SENSOR OPTION LIGHTSTAT TME-AVU-RSS.
B. THE LOCATION FOR THE BASE STATION THERMOSTAT SHALL BE COORDINATED IN THE DRAWINGS WITH THE ARCHITECT OR IN THE FIELD. THE TYPICAL LOCATION FOR THE BASE STATION THERMOSTATS WILL BE THE MANAGER'S OFFICE. THE LOCATION FOR THE REMOTE TEMPERATURE SENSOR SHALL BE IN THE AREA IN WHICH THE UNIT THAT IS ASSOCIATED WITH SERVES. REMOTE TEMPERATURE SENSORS SHALL BE LOCATED AS INDICATED ON THE DRAWING. ELEMENTS SHALL BE CONSIDERED (BUT NOT LIMITED TO) WHEN PLACING SENSORS SHALL INCLUDE VISUAL APPEARANCE, LOCATION WITHIN THE SPACE, IF NATURAL LIGHT WILL FALL ON TEH SENSOR, IF CONDITIONED AIR WILL BE BLOWING ON THE SENSOR, AND IF THE SENSOR WILL BE AFFECTED BY OPENING AND CLOSING DOORS BEING IN CLOSE PROXIMITY.
C. SINCE THE BASE STATION OF THE THERMOSTAT WILL BE WHERE THE LIGHT PRESENCE IS SENSED TO BRING THE HVAC SYSTEM ONLINE WHEN THE BUILDING IS OCCUPIED THE LIGHTS FOR THE MANAGER'S OFFICE WILL BE TIED INTO A GENERAL SWITCH OR SCENE ON THE LIGHTING CONTROL TO ENSURE THAT THE MANAGER'S OFFICE LIGHT IS TURNED ON WHEN THE STORE IS OCCUPIED. THIS WILL ALLOW THE STORE TO OPEN WITHOUT THE MANAGER BEING PRESENT TO OPEN HIS/HER DOOR TO TURN THE LIGHT SWITCH ON WITHIN THE OFFICE. NO OVERRIDE FOR THIS LIGHT SWITCH WILL BE PRESENT TO ALLOW THE LIGHT TO BE TURNED OFF AND IN TURN SHUT DOWN THE HVAC SYSTEM MISTAKENLY.

2. CO2 SENSING AND OUTSIDE AIR CONTROL WILL BE USED IN CONJUNCTION WITH THE LIGHTSTAT SYSTEM. THIS CONTROL WILL SENSE A RISING LEVEL OF CO2 IN THE SPACE AND BRING IN ADDITIONAL OUTSIDE AIR TO THE SPACE.

A. THE CO2 SENSING SYSTEM WILL CONSIST OF THE FOLLOWING COMPONENTS: A MOTORIZED OUTSIDE AIR DAMPER THAT SUPPORTS A MINIMUM AND MAXIMUM SETTING. AN ADJUSTABLE C02 SENSOR THAT IS INTERIOR MOUNTED AND CONTROLS THE OUTSIDE AIR DAMPER DEPENDING ON THE LEVEL OF CO2.
B. THE INTERIOR C02 SENSOR SHALL BE MOUNTED ADJACENT TO THE TEMPERATURE SENSOR FOR EACH UNIT.
C. THE MINIMUM SETTING FOR THE OUTSIDE AIR VOLUME SHALL BE CALCULATED AS TOTAL POSSIBLE EXHAUST CFM PLUS AT LEAST 300 CFM FOR POSITIVE PRESSURIZATION.
D. THE SETPOINT OF THE C02 SENSOR SHALL BE FIELD ADJUSTED BASED ON YOUR SPECIFIC AREA'S CO2 LEVELS TO ENSURE THAT THE CO2 SENSOR IS ACTIVATED WELL AHEAD OF CO2 LEVELS BECOMING HIGH. THIS WAY, THE VENTILATION IS PROACTIVE INSTEAD OF REACTIVE. ASHRAE & INDOOR AIR QUALITY STANDARDS SHALL BE CONSULTED TO CONFIGURE THE CO2 SENSOR FOR BEST PRACTICES.
E. CO2 SENSING IS AVAILABLE AS AN OPTION ON THE LENNOX PACKAGED UNITS. PROPORTIONAL CONTROL SHALL BE UTILIZED. THE CO2 SENSOR IS A FIELD INSTALLED OPTION THAT COMMUNICATES TO THE IMC CONTROL BOARD LOCATED IN THE ROOFTOP UNIT.

TEMPERATURE CONTROL

1. FOR DX ROOFTOP EQUIPMENT WITH STAND-ALONE THERMOSTATS

A. THE THERMOSTATS WILL BE LIGHTSTAT TME-AVU SERIES. THE THERMOSTATS WILL HAVE THE REMOTE TEMPERATURE SENSOR OPTION LIGHTSTAT TME-AVU-RSS.
B. THE LOCATION FOR THE BASE STATION THERMOSTAT SHALL BE COORDINATED IN THE DRAWINGS WITH THE ARCHITECT OR IN THE FIELD. THE TYPICAL LOCATION FOR THE BASE STATION THERMOSTATS WILL BE THE MANAGER'S OFFICE. THE LOCATION FOR THE REMOTE TEMPERATURE SENSOR SHALL BE IN THE AREA IN WHICH THE UNIT THAT IS ASSOCIATED WITH SERVES. REMOTE TEMPERATURE SENSORS SHALL BE LOCATED AS INDICATED ON THE DRAWING. ELEMENTS SHALL BE CONSIDERED (BUT NOT LIMITED TO) WHEN PLACING SENSORS SHALL INCLUDE VISUAL APPEARANCE, LOCATION WITHIN THE SPACE, IF NATURAL LIGHT WILL FALL ON TEH SENSOR, IF CONDITIONED AIR WILL BE BLOWING ON THE SENSOR, AND IF THE SENSOR WILL BE AFFECTED BY OPENING AND CLOSING DOORS BEING IN CLOSE PROXIMITY.
C. SINCE THE BASE STATION OF THE THERMOSTAT WILL BE WHERE THE LIGHT PRESENCE IS SENSED TO BRING THE HVAC SYSTEM ONLINE WHEN THE BUILDING IS OCCUPIED THE LIGHTS FOR THE MANAGER'S OFFICE WILL BE TIED INTO A GENERAL SWITCH OR SCENE ON THE LIGHTING CONTROL TO ENSURE THAT THE MANAGER'S OFFICE LIGHT IS TURNED ON WHEN THE STORE IS OCCUPIED. THIS WILL ALLOW THE STORE TO OPEN WITHOUT THE MANAGER BEING PRESENT TO OPEN HIS/HER DOOR TO TURN THE LIGHT SWITCH ON WITHIN THE OFFICE. NO OVERRIDE FOR THIS LIGHT SWITCH WILL BE PRESENT TO ALLOW THE LIGHT TO BE TURNED OFF AND IN TURN SHUT DOWN THE HVAC SYSTEM MISTAKENLY.

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D. THE SETPOINT OF THE C02 SENSOR SHALL BE FIELD ADJUSTED BASED ON YOUR SPECIFIC AREA'S CO2 LEVELS TO ENSURE THAT THE CO2 SENSOR IS ACTIVATED WELL AHEAD OF CO2 LEVELS BECOMING HIGH. THIS WAY, THE VENTILATION IS PROACTIVE INSTEAD OF REACTIVE. ASHRAE & INDOOR AIR QUALITY STANDARDS SHALL BE CONSULTED TO CONFIGURE THE CO2 SENSOR FOR BEST PRACTICES.
E. CO2 SENSING IS AVAILABLE AS AN OPTION ON THE LENNOX PACKAGED UNITS. PROPORTIONAL CONTROL SHALL BE UTILIZED. THE CO2 SENSOR IS A FIELD INSTALLED OPTION THAT COMMUNICATES TO THE IMC CONTROL BOARD LOCATED IN THE ROOFTOP UNIT.

DUCTWORK DESIGN / INSTALLATION REQUIREMENTS

DUCTWORK LOCATION / CONDITION	DUCTWORK TYPE	DUCTWORK ORIENTATION	DIFFUSER ORIENTATION	DUCTWORK HANGER SYSTEM	DUCTWORK CONNECTIONS	DUCTWORK MATERIAL	DUCTWORK FINISH
NEW DUCTWORK IN EXPOSED CEILING SALES AREA / FITTING ROOMS	RETANGULAR	JUSTIFY CENTER	JUSTIFY CENTER	THREADED ROD AND UNISTRUT	SLIP AND DRIVE	GALVANNEALED	FACTORY - NO FIELD FINISH
NEW DUCTWORK IN EXPOSED BOH CEILING	RECTANGULAR OR SPIRAL	AS INDICATED	AS INDICATED	SMACNA STRAP AND SCREW	SLIP AND DRIVE	REGULAR GALVANIZED	FACTORY - NO FIELD FINISH
NEW DUCTWORK ABOVE HARD LID CEILING	RECTANGULAR	AS INDICATED	AS INDICATED	SMACNA STRAP AND SCREW	SLIP AND DRIVE	REGULAR GALVANIZED	FACTORY - NO FIELD FINISH

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No. 11981
LICENSED PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907
DRAWN BY:
BRD

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

SHEET TITLE :
MECHANICAL SYMBOLS, NOTES & SCHEDULES

SHEET NO. :
M200

AIR CURTAIN SCHEDULE

MARK	1
MANUFACTURER	BERNER
MODEL	ICM2072E
AIR FLOW (CFM)	3624
ELECTRIC HEAT	
INPUT (KW)	20
OUTPUT (BTU/HR)	68200
ELECTRICAL	
VOLTS/□/HZ	208/3/60
MOTOR QUANTITY	2
MOTOR HP	1/2
MCA (AMPS-HEAT/FAN)	55.6 (2 CIRCUITS REQUIRED)
FINISH	STANDARD WHITE
APPROX. WEIGHT (LBS.)	128
ACCESSORIES	MRS
NOTES	1, 2, 3

ACCESSORIES:
MRS-MAGNETIC READ SWITCH (QTY. 2)

NOTES:
1) IN-CEILING MOUNTED
2) PULL SEPARATE 120V/1/60 FOR FAN MOTOR
3) 24 COMFORT PLUS CONTROL PACKAGE
4) SEE BERNER DETAIL ON M301

EXHAUST AND VENTILATION FAN SCHEDULE

MARK (EF-#)	1	2	3	4	5
MANUFACTURER	PENN VENTILATION	PENN VENTILATION	PENN VENTILATION	PENN VENTILATION	PENN VENTILATION
MODEL	Z6H	Z6H	Z10S	Z10S	Z10S
TYPE	CEILING MOUNTED EXHAUST FAN	CEILING MOUNTED EXHAUST FAN	CEILING MOUNTED EXHAUST FAN	CEILING MOUNTED EXHAUST FAN	IN-LINE EXHAUST FAN
DRIVE TYPE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
PERFORMANCE					
AIR FLOW (CFM)	120	120	375	450	350
EXT. STATIC (IN W.C.)	.25	0.25	.375	0.375	0.375
FAN SPEED (RPM)	1550	1550	1050	1050	1050
ELECTRICAL					
VOLTS/Ø/HZ	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
FAN MOTOR WATTS	108	108	234	243	234
ACCESSORIES	BD, DS	BD, DS	BD, DS	BD, DS	BD, DS
APPOX. WEIGHT (LBS.)	20	20	20	35	35
SERVES	RESTROOMS	RESTROOMS	LOWER RESTROOMS	LOWER RESTROOMS	VISUAL MERCHANDISE
NOTES	1, 2, 3, 5, 7, 8	1, 2, 3, 5, 7	1, 3, 4, 5, 6	1, 3, 4, 5, 7	1, 3, 4, 5, 6, 8

ACCESSORIES:
BD - BACKDRAFT DAMPER, DS - DISCONNECT SWITCH

NOTES:
1. FAN SHALL BE MOUNTED AS HIGH AS POSSIBLE OR AT CEILING WITH NEOPRENE VIBRATION ISOLATORS.
2. FAN SHALL BE CONTROLLED BY A WALL SWITCH WITH DELAY OFF TIMING FUNCTION USING ONLY PENN FURNISHED MODEL AM-12 SWITCH. USE SWITCH TO CONTROL BOTH LIGHTS AND FAN.
3. FAN SHALL BE FURNISHED AND INSTALLED WITH INTEGRAL (ON UNIT) SPEED CONTROLLERS FOR BALANCING PURPOSES. PENN LEK-TROL.
4. FAN SHALL BE CONTROLLED BY A PERMANENTLY ENGRAVED WALL SWITCH. SWITCH PROVIDED BY ELECTRICAL CONTRACTOR, ENGRAVED PLATE PROVIDED BY MECHANICAL CONTRACTOR. INSTALL HIGH OR ON FAN OUT OF EMPLOYEE REACH.
5. INTEGRAL CEILING GRILLE
6. INLET & OUTLET DUCT SLEEVE.
7. OUTLET DUCT CONNECTION.
8. ROOF CAP, PENN MODEL WCC10, WITH ROOF CURB AND BIRDSCREEN.

ELECTRIC CEILING HEATER SCHEDULE

TAG	MANUFACTURER & MODEL NUMBER	HEATING CAPACITY		VOLTAGE	AMPS	REMARKS
		WATTS	BTU/HR			
ECH-1	QMARK EFF1500	1500	5120	208V/1/60	12.5	RECESS MOUNTED WITH INTEGRAL T'STAT.
ECH-2	QMARK EFF1500	1500	5120	208V/1/60	12.5	RECESS MOUNTED WITH INTEGRAL T'STAT.

INTERNATIONAL MC 403.3 COMPLIANCE SCHEDULE

UNIT NUMBER	AREA SERVED	AREA (SQ. FT.)	NO. OF PEOPLE PER 1000 SQ. FT. (TABLE 403.3)	PEOPLE QUANTITY	AIRFLOW PER PERSON (TABLE 403.3)	AIRFLOW PER SQ. FT. (TABLE 403.3)	TOTAL OUTSIDE AIR REQUIRED (CFM)	TOTAL OUTSIDE AIR PROVIDED (CFM)
(E) RTU-1	RETAIL SALES	3003	---	---	---	0.3	901	1000
(E) RTU-2	RETAIL SALES	2932	---	---	---	0.3	880	1000
RTU-3	FITTING ROOMS OFFICE	610 379	---	-- 3	-- 20	0.2	122 60	400
AHU-1	OFFICE STOCKROOM	103 836	---	1 --	20 --	-- 0.2	20 168	200
			---	---	---			
						TOTAL	2151	2600

SPLIT SYSTEM AIR CONDITIONING SCHEDULE

MARK (AHU-# / CU-#)	1	
MANUFACTURER	LENNOX	
MODEL		
AHU	CBX32M030	
CU	13ACX030	
NOMINAL TONAGE	2.5	
CFM	1000	
EXT. STATIC (IN W.C.)	.50	
OUTDOOR AIR	150	
COOLING CAPACITY		
EAT (DB/WB)	80/67	
TOTAL (MBH)	19.3	
SENSIBLE (MBH)	-	
INDOOR UNIT		
SA FAN HP	1/3	
VOLTAGE	230/1/60	
MCA	60	
MOCP	60	
ELECTRIC HEAT		
KW RATING	12.5	
OUTPUT (MBH)	32.0	
STAGES	2	
OUTDOOR UNIT		
VOLTAGE	208/1/60	
MCA	18.7	
MOCP	30	
AMBIENT TEMP. (°F)	95°	
SEER/EER	14.0 SEER	
APPOX. WEIGHT (LBS.)		
AHU	175	
CU	160	
NOTES	1 - 10	

NOTES:
1. EVAPORATOR DEFROST CONTROLS
2. LOW AMBIENT CONTROL (TO 0°F)
3. HOT GAS BY-PASS
4. ANTI-RECYCLE TIMER
5. REFRIGERANT FILTER - DRYER
6. COPPER TUBES W/ALUMINUM FINS
7. CONTROL TRANSFORMER
8. VIBRATION ISOLATOR FAN MOTOR RELAY
9. 2 SETS OF 2" THICK PLEATED FILTERS
10. PROGRAMMABLE T'STAT
11. BASE RAILS TO SUPPORT UNIT

FOR EQUIPMENT PRICING PLEASE CONTACT:

RAZI DOLE
LENNOX INDUSTRIES
NATIONAL ACCOUNT MANAGER
O - (614) 871-2952 EXT. 224
C - (614) 886-0719
F - (614) 871-0854

ELECTRIC DUCT HEATER SCHEDULE

EDH-1: ELECTRIC DUCT COIL SHALL BE INDEECO 'OPEN COIL' ELECTRIC DUCT HEATER STANDARD SLIP-IN TYPE QUA, 7.5 KW, 12"x10" DUCT COIL, 208V, 3 PHASE, 2 STEPS OF CONTROL, 24V CONTROL CIRCUIT, CONTROL OPTION K USING SCR POWER CONTROLLER WHICH INCLUDES THERMAL CUT-OUTS, FAN RELAY, DISCONNECTING CONTACTORS, CONTROL TRANSFORMER, AIR FLOW SWITCH, BUILT-IN, SNAP ACTING, DOOR INTERLOCKED DISCONNECT SWITCH, CONFORM TO NEC REQUIREMENTS, 80% NICKEL AND 20% CHROMIUM HEATING ELEMENT, TYPE 'A' RESISTANCE WIRE, ALUMINIZED STEEL FRAME AND NEMA 1 TERMINAL BOXES, MANUAL RESET THERMAL CUTOUTS, TERMINAL BLOCKS FOR FIELD WIRING. CONTROL FROM RTU-3.

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK (SS-# / HP-#)	1	
MANUFACTURER	LG	
MODEL		
AHU	LSN122HE	
HP	LSU122HE	
NOMINAL TONAGE	1	
CFM	330	
EXT. STATIC (IN W.C.)	0.25	
OUTDOOR AIR	--	
COOLING CAPACITY		
EAT (DB/WB)	80/67	
TOTAL (MBH)	11.5	
SENSIBLE (MBH)	--	
INDOOR UNIT		
SA FAN HP	--	
VOLTAGE	115/1/60	
MCA	SEE OUTDOOR UNIT	
MOCP	SEE OUTDOOR UNIT	
INTEGRAL HEATING		
(MBH) @ 47°F	11.5	
(MBH) @ 17°F	6.9	
C.O.P (HIGH)	3.3	
C.O.P. (LOW)	2.2	
OUTDOOR UNIT		
VOLTAGE	115/1/60	
MCA	15	
MOCP	20	
AMBIENT TEMP. (°F)	95°	
SEER	13.0	
APPOX. WEIGHT (LBS.)	HP - 80 SS - 25	
NOTES	1 - 9	

NOTES:
1. EVAPORATOR DEFROST CONTROLS
2. LOW AMBIENT CONTROL (TO 0°F)
3. HOT GAS BY-PASS
4. ANTI-RECYCLE TIMER
5. REFRIGERANT FILTER - DRYER
6. COPPER TUBES W/ALUMINUM FINS
7. CONTROL TRANSFORMER
8. VIBRATION ISOLATOR FAN MOTOR RELAY
9. PROGRAMMABLE T'STAT WITH REMOTE SENSORS
10. BASE RAILS TO SUPPORT UNITS

ROOFTOP UNIT SCHEDULE

MARK (RTU - #)	3	
MANUFACTURER	LENNOX	
MODEL	KCA072S4	
AIR FLOW (CFM)	2400	
OA FLOW (CFM)	400	
AMBIENT OAT (*F)	95	
EXT. S.P. (IN W.C.)	.80	
SEER/EER	11.4 SEER	
DX COOLING COIL		
EAT (*FDB/WB)	80/67	
TOTAL (MBH)	72.8	
SENSIBLE (MBH)	51.0	
ELECTRIC HEATING		
KW RATING	22.5	
OUTPUT (MBH)	70.7	
STAGES	2	
ELECTRICAL		
VOLTS/ø/HZ	460V/3/60	
MOTOR HP	1.5	
MCA	38	
MOCP	40	
APPROX. WEIGHT (LBS.)	800	
ACCESSORIES	DS, ECON, RC	
NOTES	1, 2, 3	

ACCESSORIES:
DS-DISCONNECT, ECON-ECONOMIZER
RC-14" INSULATED FACTORY ROOF CURB

NOTES:
1) INTEGRAL DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCTS
2) UNITS ARE TO BE PROVIDED & INSTALLED BY LANDLORD
3) R-410A REFRIGERANT

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188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No. 11381
LICENSED PROFESSIONAL ENGINEER

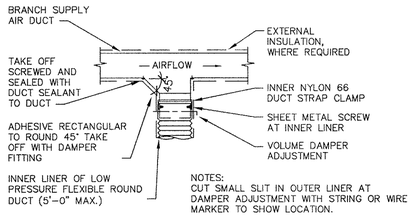
ARCH PROJECT #: 1121907
DRAWN BY:
CJC

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

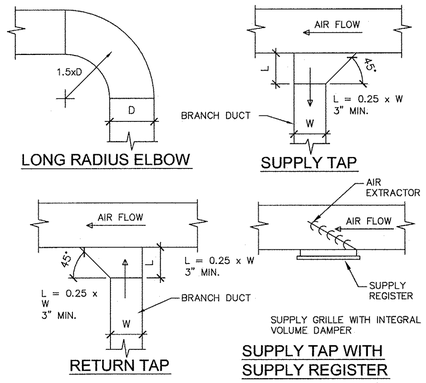
SHEET TITLE :
MECHANICAL SCHEDULES

SHEET NO. :
M201



1 SUPPLY AIR FLEX DUCT DETAIL

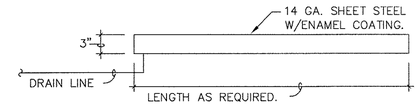
M300 SCALE: NONE



2 DUCTWORK DETAILS

M300 SCALE: NONE

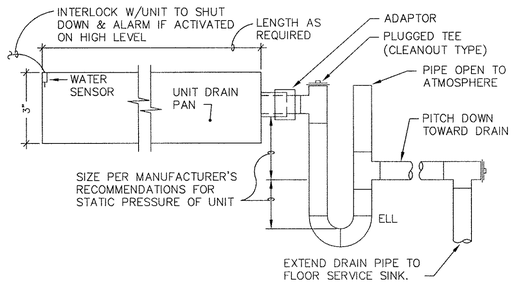
NOTE: EXTEND DRAIN PIPE FROM EACH DRIP PAN TO FLOOR SERVICE SINK. DRAIN PIPE SHALL BE 3/4" TYPE 'M' COPPER.



DRIP PAN SHALL BE CONSTRUCTED OF STAINLESS STEEL 1AQ DRAIN PAN SLOPED IN 2 DIRECTIONS (INSIDE AND OUT) TO ENSURE WATERTIGHT SEAL. PAN SHALL BE 3" LARGER IN ALL DIRECTIONS THAN EQUIPMENT AND SHALL HAVE A 3" HIGH EDGE

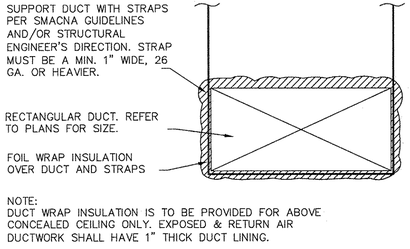
3 SECONDARY DRAIN PAN DETAIL

M300 SCALE: NONE



4 AHU CONDENSATE DRAIN DETAIL

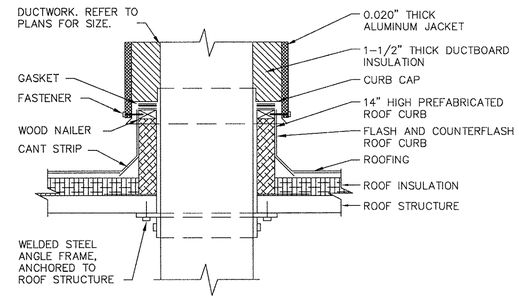
M300 SCALE: NONE



NOTE:
DUCT WRAP INSULATION IS TO BE PROVIDED FOR ABOVE CONCEALED CEILING ONLY. EXPOSED & RETURN AIR DUCTWORK SHALL HAVE 1" THICK DUCT LINING.

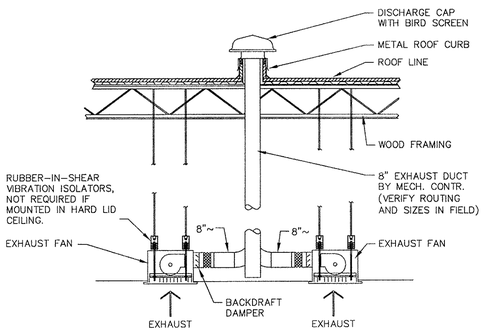
5 RECTANGULAR DUCT SUPPORT DETAIL - CONCEALED

M300 SCALE: NONE



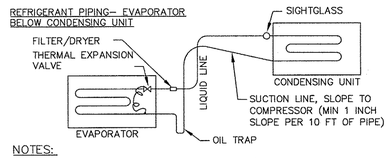
6 DUCT THRU ROOF DETAIL

M300 SCALE: NONE



7 EXHAUST FAN DETAIL

M300 SCALE: NONE

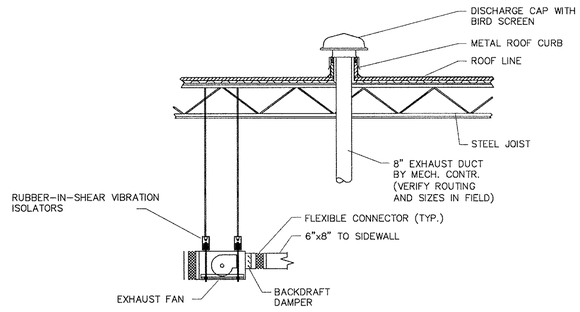


NOTES:

1. REFRIGERANT PIPING PROCEDURES ON SPLIT SYSTEMS MUST BE INSTALLED PER MANUFACTURER'S DETAILS AND WIRING DIAGRAMS.
2. IF HEAT PUMPS ARE USED, CONSULT WITH MANUFACTURER'S APPLICATION DEPARTMENT.
3. MAXIMUM LINE LENGTH IS 100 FEET. FOR LINE LENGTHS IN EXCESS OF 100 FEET, CONSULT MANUFACTURER'S REFRIGERANT PIPING DESIGN MANUAL.
4. REFRIGERANT PIPE(S) SIZES SHALL BE DETERMINED BY THE COMPRESSORIZED EQUIPMENT MANUFACTURER OR THEIR REPRESENTATIVE, WHO SHALL ALSO DETERMINE THE NEED FOR DOUBLE SUCTION PIPE RISERS, ACCUMULATORS AND OTHER APPURTENANCES REQUIRED FOR PROPER LONG TERM OPERATION OF THE EQUIPMENT. REFRIGERANT PIPE(S) SIZING AND ROUTING SHALL MEET ALL SYSTEM OPERATING CONDITIONS. THE CONTRACTOR SHALL PROVIDE TO THE OWNER AND ENGINEER LETTERS AND DRAWINGS THAT ADEQUATELY DEPICT THE REFRIGERANT PIPING AND COMPONENTS, AND INDICATE THE RECOMMENDATIONS PROVIDED TO THEM BY THE MANUFACTURER OR THEIR REPRESENTATIVE.

8 TYPICAL REFRIGERANT PIPING DETAIL

M300 SCALE: NONE



9 EXHAUST FAN DETAIL

M300 SCALE: NONE

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188 MIDDLE STRET
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PHILADELPHIA, PA 19112
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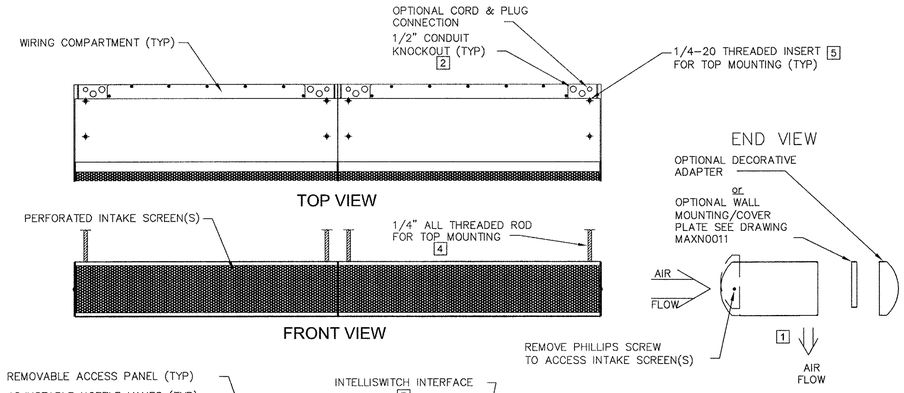


MODEL 6	NOZZLE WIDTH "A" 3	UNIT WIDTH "B"	MOUNTING WIDTH "C"	MOUNTING WIDTH "D"
MAX1030*	28.00 [71.12]	30.00 [76.20]	26.75 [67.95]	-
MAX1036*	35.29 [89.54]	37.25 [94.62]	34.00 [86.36]	-
MAX1042*	41.25 [10478]	43.25 [109.86]	40.00 [101.60]	-
MAX1048*	47.25 [120.02]	49.25 [125.10]	46.00 [116.84]	-
MAX2060*	59.00 [149.86]	61.00 [154.94]	57.75 [146.69]	-
MAX1072*	72.25 [183.56]	74.25 [188.60]	71.00 [180.34]	-
MAX2084*	84.25 [213.00]	86.25 [219.08]	83.00 [210.82]	40.00 [101.60]
MAX2096*	96.25 [244.48]	98.25 [249.56]	95.00 [241.30]	44.00 [111.76]
MAX2120*	119.75 [304.17]	121.75 [309.25]	118.50 [300.99]	57.75 [146.69]

NOTE: CUSTOMER MODIFIED DRAWING: FOR REFERENCE ONLY

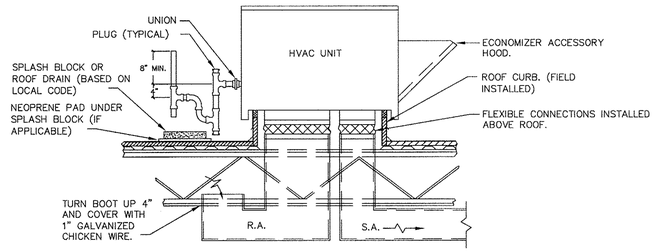
NOTE:
AIR CURTAIN TO BE SUPPORTED BY SYSTEM DESIGNED BY THE STRUCTURAL ENGINEER AND SHOWN ON STRUCTURAL DRAWINGS.

NOTES:

1. AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C_L.
2. ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
3. FIELD VERIFY DIMENSIONS.
4. ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
5. ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
6. REPLACE "*" WITH "E" FOR ELECTRIC HEAT, "A" FOR UNHEATED, "W" FOR FOR HOT WATER OR "S" FOR STEAM HEAT.
7. DIMENSIONS IN INCHES [CENTIMETERS].

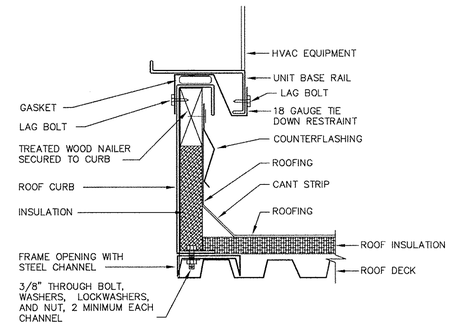
1 BERNER MAXAIR AIRCURTAIN MOUNTING DETAIL

M301 SCALE: NONE



4 HVAC ROOFTOP UNIT DETAIL, EXPOSED DUCTWORK

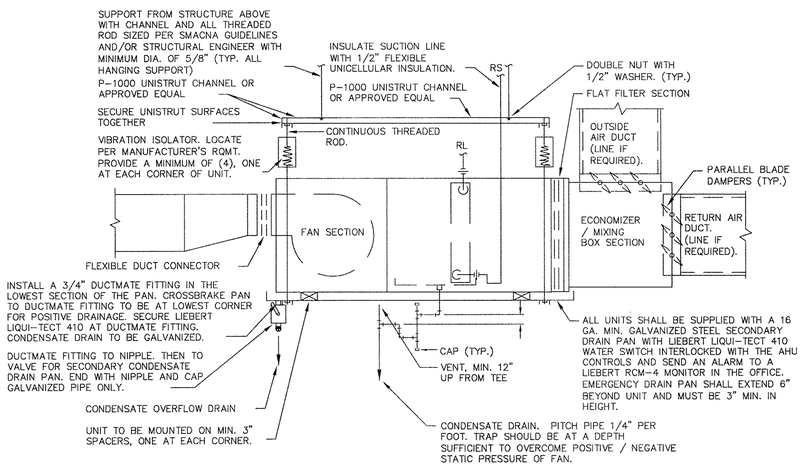
M301 SCALE: NONE



NOTE:
WHERE ROOFTOP UNITS ARE REQUIRED TO BE REPLACED OR RELOCATED, COORDINATE ROOF OPENINGS WITH THE LANDLORD. ALL ROOF OPENINGS TO BE BY LANDLORD'S CONTRACTOR AT THIS CONTRACTOR'S EXPENSE. PROVIDE SIGNED AND SEALED DRAWINGS BY A STRUCTURAL ENGINEER AS REQUIRED FOR ANY ADDITIONAL STEEL OR MODIFICATIONS TO EXISTING STEEL. OBTAIN LANDLORD AND BUILDING DEPARTMENT APPROVALS AS REQUIRED.

5 ROOFTOP UNIT CURB DETAIL

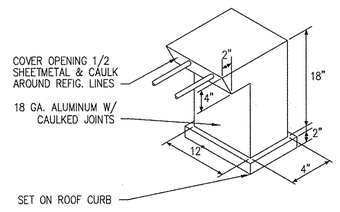
M301 SCALE: NONE



NOTE: REFER TO COIL PIPING DETAILS FOR ADDITIONAL REQUIREMENTS.

2 SPLIT DX AHU INSTALLATION DETAIL

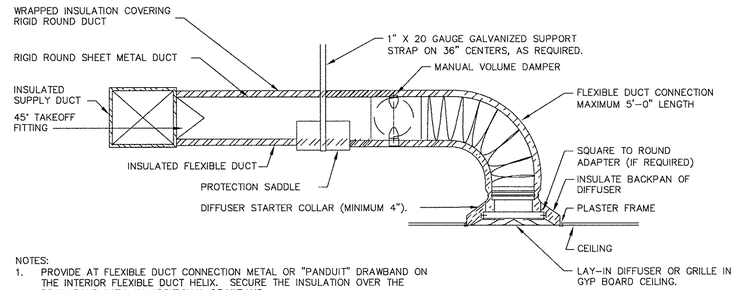
M301 SCALE: NONE



FILL INTERIOR WITH POLYURETHANE FOAM INSULATION

3 REFRIGERANT ROOF PENETRATION DETAIL

M301 SCALE: NONE



NOTES:
1. PROVIDE AT FLEXIBLE DUCT CONNECTION METAL OR "PANDUIT" DRAWBAND ON THE INTERIOR FLEXIBLE DUCT HELIX. SECURE THE INSULATION OVER THE DRAW BAND WITH AN ADDITIONAL DRAWBAND.
2. PROVIDE BEADING ON ROUND METAL DUCT 12" OR LARGER IN DIAMETER.
3. PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF THE FLEXIBLE DUCTTO ROUND DUCT, DAMPERS AND DIFFUSERS.
4. BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION OVERLAP.

NOTE: MECHANICAL CONTRACTOR TO MOUNT MANUAL VOLUME DAMPER CLOSE TO CEILING DIFFUSER SO THAT ADJUSTMENTS CAN BE MADE THRU REMOVAL OF CEILING DIFFUSER.

6 DIFFUSER CONNECTION DETAIL- FLEX DUCT

M301 SCALE: NONE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE · WILLIAM R. LENKEL, JR. · No.11381 · LICENSED PROFESSIONAL ENGINEER · 2011

ARCH PROJECT #: 1121907
DRAWN BY:
BRD

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

SHEET TITLE :
MECHANICAL DETAILS

SHEET NO. :
M301

MECHANICAL NOTES AND SPECIFICATIONS

1. GENERAL NOTES:

IF ANY DISCREPANCY EXISTS BETWEEN THESE DOCUMENTS, MECHANICAL CONTRACTOR MUST REQUEST IN WRITING, CLARIFICATION FROM URBAN OUTFITTER'S, INC. ARCHITECT AND ENGINEER. CONTRACTOR SHALL OBTAIN COPY OF MECHANICAL SPECIFICATION BOOK FOR ADDITIONAL INFORMATION.

1. BY SUBMITTING A QUOTATION OR PROPOSAL, THE MECHANICAL CONTRACTOR EXPRESSLY STATES AND WARRANTS THAT: ALL DRAWINGS AND SPECIFICATIONS HAVE BEEN THOROUGHLY REVIEWED, CONTRACTOR HAS BECOME FAMILIARIZED WITH JOB SITE CONDITIONS AND IS TOTALLY QUALIFIED TO PERFORM ALL OF THE WORK REQUIRED.

2. BEFORE SUBMITTING A FINAL PROPOSAL, THE CONTRACTOR SHALL EXAMINE THE SITE OF THE PROPOSED WORK TO DETERMINE THE EXISTING CONDITIONS THAT MAY AFFECT THE PROPOSAL. IF DISCREPANCIES ARE NOTED BETWEEN THE DOCUMENTS AND THE EXISTING CONDITIONS THE ARCHITECT SHALL BE NOTIFIED AND THE CONTRACTOR SHALL RECEIVE CLARIFICATION BEFORE SUBMITTING A BID. THE SUBMISSION OF A PROPOSAL SHALL INDICATE THAT ALL CHARGES AND COSTS MADE NECESSARY BY EXISTING CONDITIONS ARE INCLUDED AND THAT THE COMPLETE SYSTEM AS DESCRIBED ABOVE WILL BE FURNISHED AT THE PROPOSED COST.

3. IF WORK IS NOT SPECIFIED BUT REQUIRED BY CODE, THE WORK SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

4. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE, FINISHED, TESTED, ADJUSTED AND OPERATIONAL MECHANICAL SYSTEM. ANY APPARATUS, MATERIAL, WORK OR INCIDENTAL ITEMS REQUIRED TO MAKE THE SYSTEM COMPLETE AND READY FOR OPERATION SHALL BE INCLUDED IN THE MECHANICAL CONTRACTOR'S PROPOSAL WHETHER OR NOT IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS.

5. THE LANDLORD'S "TENANT CRITERIA MANUAL" FORMS A PART OF THESE SPECIFICATIONS. ANY DISCREPANCY BETWEEN THESE SPECIFICATIONS AND THE "TENANT CRITERIA MANUAL" THE ARCHITECT SHALL BE NOTIFIED IMEDIATELY. ANY EQUIPMENT REQUIRED OF THE MANUAL BUT NOT SHOWN ON THESE SPECIFICATIONS SHALL BE PROVIDED AT THIS CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A COPY OF THE TENANT CRITERIA MANUAL FROM THE MALL AND BECOMING FAMILIAR WITH ITS CONTENTS.

6. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY ARE INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT, DUCTS, PIPING, ETC. THE MECHANICAL CONTRACTOR MUST OBTAIN APPROVED CONSTRUCTION DRAWINGS FROM THE GENERAL CONTRACTOR BEFORE BEGINNING ANY WORK.

7. THE ENTIRE INSTALLATION, INCLUDING ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP, SHALL CONFORM TO ALL APPLICABLE LAWS, CODES AND REGULATIONS OF MUNICIPAL, COUNTY, STATE AND FEDERAL AUTHORITIES AND SHALL ALSO BE IN COMPLIANCE WITH THE LANDLORD'S CRITERIA AND THE LATEST EDITIONS OF ASHRAE STANDARDS, THE LIFE SAFETY CODE, THE STANDARD BUILDING CODE, UNDERWRITERS LABORATORIES, THE NATIONAL ELECTRICAL CODE, NFPA 70, 90A, AND 96.

8. THE MECHANICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND LICENSES PERTAINING TO HIS WORK.

9. THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH DETAILED REQUIREMENTS OF LEASE EXTRACTS FROM THE LANDLORD AND TENANT.

10. THE CONTRACTOR SHALL FURNISH AND INSTALL AN AIR-CONDITIONING AND HEATING SYSTEM IN ACCORDANCE WITH LANDLORD CRITERIA.

11. COORDINATE LOCATIONS OF ALL AIR OUTLETS WITH ALL WALLS, LIGHTS, SPRINKLER HEADS, CEILING TILES AND DECORATIVE CEILING FIXTURES PRIOR TO INSTALLATION.

12. EQUIPMENT AND MATERIALS IN TRANSIT SHALL UTILIZE FREIGHT ELEVATOR OR STAIRS. SAID EQUIPMENT OR MATERIALS SHALL BE DISASSEMBLED AS REQUIRED TO MEET THE RESTRICTIONS IMPOSED BY THE BUILDING OR ITS COMPONENT CONSTRAINTS AND THEN REASSEMBLED IN THE NEW WORK AREA.

13. ALL WORK SHALL BE DONE WITH A MINIMUM OF NOISE AND DISTURBANCE TO BUSINESS ROUTINE. ALL WORK SCHEDULES SHALL BE COORDINATED WITH AND APPROVED BY, THE ARCHITECT.

14. SINCE THESE ARE SECURE FLOORS, ALL DELIVERIES, WORKERS, WORK OPERATORS, ETC., REQUIRED BY THE CONTRACTOR FOR WORK PERFORMED IN ANY AREA OR SITE BUILDING SHALL BE IN STRICT CONFORMANCE TO THE RULES AND REGULATIONS OF THE OWNER AND ARCHITECT.

15. CONTRACTOR SHALL PROTECT HIS WORK AND EQUIPMENT FROM DAMAGE, VANDALS, ETC. ANY ITEM THAT IS DAMAGED, VANDALIZED OR STOLEN PRIOR TO ACCEPTANCE OF BUILDING BY OWNER AND ARCHITECT SHALL BE REPLACED BY RESPECTIVE CONTRACTOR AT NO CHARGE TO OWNER.

16. PROVIDE ACCESS DOORS FOR ALL CONCEALED TURNING VANES IN DUCTWORK, VALVES, VENTS, DAMPERS, FIRE DAMPERS, EXPANSION JOINTS, PULL BOXES, SHOCK ABSORBERS, DRAINS, MOTORS, FANS, PUMPS AND ANY OTHER ITEM REQUIRING SERVICE. DOORS IN PLASTER OR CONCRETE SURFACES SHALL HAVE A RECESSED DOOR WITH CONCRETE OR PLASTER FACING. DOORS IN CARPETED OR TILED AREAS SHALL BE RECESSED WITH TILE FACING. NO ACCESS DOORS ARE REQUIRED IN 2' X 2' AND 2' X 4' LAY-IN ACOUSTIC TILE CEILING. PROVIDE COLORED PINS TO DENOTE ACCESS TILES. FURNISH FACTORY MADE METAL ACCESS DOORS, COMPLETELY FLUSH, "ALLAN HEAD" SCREWDRIVER OPERATED, WITH FRAMES AND CAM-TYPE CATCH WITH STAINLESS STEEL STUD. DOORS SHALL BE NOT LESS THAN 12" X 12" FOR HAND ACCESS. DOORS IN WALLS AND CEILING SHALL BE PRIME COATED CARBON STEEL. FURNISH FIRE RATED DOORS FOR FIRE RATED CONSTRUCTION. RATING OF DOOR MUST BE SAME RATING AS CONSTRUCTION.

17. IT IS SPECIFICALLY THE INTENTION OF THIS SPECIFICATION TO HOLD THE CONTRACTOR RESPONSIBLE FOR ALL DAMAGE DONE TO ANY EXISTING FACILITIES, EQUIPMENT, PAINTING, OR ARCHITECTURAL AND STRUCTURAL FEATURES OF THE BUILDING, BY EITHER THEIR OWN WORKMEN OR BY ANY OF THEIR SUBCONTRACTORS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE DONE BY HIS OWN WORKMEN OR SUBCONTRACTORS, AND THE OWNER AT HIS DISCRETION, MAY WITHHOLD PAYMENTS EQUAL TO THE REASONABLE COST OF THE REPAIRS.

18. THIS CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING BUILDING NOR INTERFERE WITH THE SERVICES IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF THE OWNER AND ARCHITECT.

19. THIS CONTRACTOR OR HIS WORKMEN SHALL NOT BE PERMITTED TO USE ANY PART OF THE EXISTING BUILDING AS A SHOP WITHOUT THE APPROVAL OF THE OWNER AND ARCHITECT.

20. WHERE THE WORK MAKES TEMPORARY SHUTDOWN OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT NIGHT OR AT SUCH TIMES AS WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE.

21. THIS CONTRACTOR SHALL ARRANGE THE WORK SO AS TO ASSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTION TO THE EXISTING WORK. THIS CONTRACTOR SHALL GIVE AMPLE WRITTEN NOTICE IN ADVANCE TO THE OWNER OF ANY REQUIRED SHUT DOWN.

22. ALL MOTORS, FANS, CONTROLS, FIXTURES, HVAC UNIT, DUCTWORK AND OTHER EQUIPMENT FOR USE IN THIS CONTRACT SHALL BE PROTECTED BY TARPAULIN OR BY BOXING AS SOON AS DELIVERED TO THE SITE, AND SHALL BE KEPT CLEAN AND DRY. THE MOTORS, UNITS, FIXTURES, FANS, DUCTWORK AND MOVING PARTS SHALL BE KEPT COVERED SO AS TO ELIMINATE DIRT, DUST, AND OTHER MATERIALS ENTERING THE PARTS DURING ERECTION AND CONSTRUCTION WORK ON THE BUILDING. SHOULD IT BE FOUND THAT ANY PARTS ARE DAMAGED DUE TO CARELESSNESS ON THE PART OF THE CONTRACTOR IN NOT PROVIDING PROPER PROTECTION, SUCH PART OR PARTS SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE. ALL OPENINGS IN DUCTS, PIPING, CONDUITS, ETC., SHALL BE PROPERLY PROTECTED WITH TEMPORARY CAPS OR PLUGS AT ALL TIMES.

23. THE MECHANICAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL METHODS OF HANGING, SUPPORTING, CUTTING AND PATCHING WITH THE OWNER OR LANDLORD.

24. DURING THE CONSTRUCTION PHASE OF THE PROJECT, ANY DUCTWORK INSTALLED IS TO BE COMPLETELY SEALED UP OF ANY OPENINGS, EITHER AT THE BEGINNING OR END OF A DUCT RUN OR AT A BRANCH, COLLAR DIFFUSER OR REGISTER TO AVOID DIRT OR OTHER CONTAMINANTS FROM ENTERING THE SYSTEM.

25. CONTROL WIRING AND CONTROLS: THE MECHANICAL CONTRACTOR IS TO FURNISH AND INSTALL ALL NECESSARY WIRING (IN CONDUIT IF REQUIRED) AND CONTROLS REQUIRED TO PROVIDE A COMPLETE AND OPERATING SYSTEM.

26. POWER WIRING:
- A. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL ALL EQUIPMENT AND MATERIAL REQUIRED TO PROVIDE POWER TO THE MECHANICAL EQUIPMENT FROM THE TENANT'S POWER SUPPLY.
- B. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL A DISCONNECT SWITCH AND STARTER ON THE MECHANICAL EQUIPMENT AS NECESSARY FOR A COMPLETE INSTALLATION.
- C. THE ELECTRICAL CONTRACTOR IS TO PROVIDE POWER WIRING TO THE TOILET EXHAUST FAN THROUGH THE TOILET ROOM LIGHT SWITCH WITH DELAY OFF BUILT IN.

27. THIS CONTRACTOR IS TO HIRE LANDLORD'S SPECIFIED CONTRACTOR FOR ALL ROOF AND WALL PENETRATIONS.

28. IF STRUCTURAL DRAWINGS FOR HVAC EQUIPMENT SUPPORT(S) ARE NOT ALREADY INCORPORATED INTO THIS SET OF PLANS AND SPECIFICATIONS, THE MECHANICAL CONTRACTOR, AT THEIR OWN COST AND EXPENSE, AND AS PART OF THE BID TO THE G.C., IS TO HIRE A STRUCTURAL ENGINEER TO DESIGN THE SUPPORTS FOR THE NEW HVAC UNITS AND A STRUCTURAL SUBCONTRACTOR TO FURNISH AND INSTALL SUCH HANGERS / SUPPORTS, BRACING, ETC. TO HANG FROM THE STRUCTURE FOR ALL NEW HVAC EQUIPMENT. G.C. TO SUBMIT AS REQUIRED ALL STRUCTURAL SHOP DRAWINGS TO THE LANDLORD'S ARCHITECT, AS REQUIRED, FOR APPROVAL, PRIOR TO STARTING WORK.

29. MECHANICAL CONTRACTOR SHALL PROVIDE A COMPLETE AIR & WATER BALANCE OF ALL SYSTEMS AS REQUIRED PER PROJECT.

30. ALL PIPING AND DUCTWORK MUST HAVE MARKERS AND DIRECTION ARROWS EVERY 15 FEET PER INDUSTRY STANDARD, EXCEPT THOUGHOUT CUSTOMER/RETAIL AREAS WHERE DUCT/PIPING IS EXPOSED.

II. DRAWINGS

1. SUBMIT TWO (2) SETS OF AS BUILT DRAWINGS IDENTIFIED WITH PROJECT NAME AND LOCATION, TO THE ARCHITECT OF RECORD, OF THE FOLLOWING:
   1. DUCTWORK LAYOUT
   2. CONTROL DIAGRAMS
   3. SEQUENCE OF OPERATION
   4. TOILET EXHAST FAN & HVAC UNIT
   5. AIR OUTLETS
   6. INSULATION
   7. PIPING

2. AS-BUILT DRAWINGS ARE NOT A SUBSTATUTE FOR SHOP DRAWINGS AND SHOULD NOT BE CONSIDERED THE SAME.

III. GUARANTEE, WARRANTY

1. THE MECHANICAL CONTRACTOR SHALL INCLUDE IN THE PROPOSAL A ONE YEAR GUARANTEE, WARRANTY ON ALL EQUIPMENT AND MATERIAL HE INSTALLS OR REFURBISHES UNLESS A LONGER WARRANTY IS INDICATED FOR EQUIPMENT (IE: COMPRESSOR TO HAVE A MINIMUM FIVE (5) YEAR WARRANTY)..

IV. DUCTWORK

1. THE MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE AIR BALANCING OF ALL NEW SYSTEMS. TESTING AND BALANCING SHALL BE PERFORMED BY AN INDEPENDENT CONTRACTOR AT MECHANICAL CONTRACTOR'S EXPENSE. ALL NEW SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH THE LATEST STANDARD OF THE "ASSOCIATED AIR BALANCE COUNCIL" (AABC) OR "THE NATIONAL ENVIRONMENTAL BALANCING BUREAU" (NEBB), NO SUBSTITUTIONS WILL BE ACCEPTABLE. A COMPLETE CERTIFIED REPORT INDICATING AIR FLOW RATES, PRESSURE DROPS, STATIC PRESSURES, BRAKE HORSEPOWER, AMP DRAW, EXHAUST CFM, ETC., SHALL BE DELIVERED TO THE ARCHITECT, THE TENANT AND THE MALL MANAGEMENT OFFICE. ACTUAL AIR BALANCING SHALL BE PERFORMED WITH A 98% ACCURATE AIR VELOCITY METER. FOR VAV SYSTEMS THE REPORT MUST INCLUDE VAV BOX AIRFLOW SENSOR DIFFERENTIAL PRESSURE READING AT MAXIMUM AND MINIMUM COOLING AND HEATING.

2. CHANGE IN DIRECTION ELBOWS SHALL HAVE AN INSIDE RADIUS OF NOT LESS THAN THE WIDTH OF THE DUCT.

3. ALL DUCTWORK SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH SMACNA LOW VELOCITY AND "HVAC DUCT CONSTRUCTION STANDARDS MANUAL", LATEST EDITION AND ASHRAE USING PRIME SHEETS OF GALVANIZED STEEL. ALL SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE WALLED VANES ON MAXIMUM 3" CENTERS. PROVIDE SEAL CLASS "C" ON ALL TRAVERSE JOINTS UNLESS SUPERSEDED BY MORE STRINGENT LOCAL CODES. ALL DUCT CONNECTIONS ARE TO BE RIGID AND LEAK FREE ASSEMBLIES AS MANUFACTURED BY DUCTMATE INDUSTRIES OR APPROVED EQUIVALENT.

4. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL FIRE DAMPERS AS REQUIRED BY LANDLORD AND/OR TENANT CRITERIA AND/OR CODES HAVING JURISDICTION. ALL FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF THE BOARD OF FIRE UNDERWRITERS, THE LOCAL FIRE MARSHAL, AND SHALL BE LABELED AND APPROVED BY UNDERWRITERS LABORATORIES.

5. ALL BRANCHES AND TAKEOFFS SHALL BE EQUIPPED WITH MANUAL VOLUME CONTROLLING DEVICES HAVING AN INDICATING AND LOCKING DEVICE.

6. SUPPORT HORIZONTAL DUCTS WITH HANGERS SECURED TO BAR JOISTS OR STRUCTURAL STEEL ABOVE, AT INTERVALS NOT TO EXCEED 5'-0". DUCTWORK SHALL NOT BE SUPPORTED FROM ROOF DECKING, AND/OR BRIDGING, BUT SHALL BE SUSPENDED FROM THE TOP CHORD OF BAR JOISTS. DUCTWORK SHALL CLEAR ALL SPRINKLERS AND OTHER OBSTACLES AND SHALL BE HUNG AS HIGH AS POSSIBLE IN WORK AND STORAGE AREAS.

7. ALL REGISTERS AND DIFFUSERS SHALL BE AS SCHEDULED ON DWG M200, FLUSH TO THE CEILING, WALLS, ETC., AND SHALL HAVE MANUFACTURERS BAKED ENAMEL FINISH (COLOR TO MATCH CEILING TILES OR CEILING). REGISTERS MOUNTED ON EXPOSED DUCTWORK SHALL HAVE ANODIZED ALUMINUM FINISH (FOR URBAN) MANUFACTURER'S BAKED ENAMEL OFF-WHITE FINISH (FOR ANTHROPOLOGIE). DIFFUSERS SHALL BE OF THE ADJUSTABLE PATTERN TYPE WITH VOLUME CONTROL DAMPERS AND FLOW EQUALIZING. ANY PART OF DIFFUSER HOUSING LOCATED IN CONCEALED CEILING MUST BE INSULATED, SEE DETAIL.

8. FIBERGLASS DUCTWORK WILL NOT BE ALLOWED.

9. MECHANICAL CONTRACTOR SHALL REFER TO DUCTWORK SCHEDULE ON DRAWING M200 FOR DUCTWORK TYPE, HANGER SYSTEM, CONNECTIONS, ETC. NOTIFY ARCHITECT IMEDIATELY IF ANY DISCREPANCY WITH THE DRAWINGS.

10. ALL DUCTWORK SHALL BE HUNG AS HIGH AS POSSIBLE TO MAINTAIN ARCHITECTURAL CEILING HEIGHT REQUIREMENTS.

11. PROVIDE SPLITTER OR VOLUME DAMPERS ON ALL NEW SUPPLY AIR DUCT SPLITS AND TAPS AND AIR EXTRACTORS ON ALL SUPPLY AIR REGISTERS.

12. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL CEILING DIFFUSERS AND REGISTERS.

13. WHEN NEW DUCTWORK CONFLICTS WITH EXISTING DUCTWORK, PIPING, ETC., NEW DUCTWORK SHALL BE SET UP OR DOWN AS REQUIRED WITH URBAN OUTFITTERS PROJECT MANAGER'S PERMISSION.

14. WHERE REQUIRED BY LOCAL CODES, LANDLORD, AND IF INDICATED ON DRAWINGS, PROVIDE UL555S SMOKE DAMPER WITH FIRE/HEAT/SMOKE SENSOR, REVERSIBLE MOTOR AND INTERLOCK WITH FIRE ALARM SYSTEM.

V. AUTOMATIC TEMPERATURE CONTROL

GENERAL

1. INSTRUCTION AND ADJUSTMENT UPON COMPLETION OF THE JOB, THE CONTRACTOR SHALL COMPLETELY ADJUST AND MAKE READY FOR USE ALL THERMOSTATS, CONTROL VALVES, DAMPER MOTORS, AND RELAYS PROVIDED UNDER THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE A COMPLETE INSTRUCTION MANUAL COVERING THE FUNCTION AND OPERATION OF ALL CONTROL COMPONENTS ON THE JOB. THE MANUAL SHALL BE FURNISHED TO THE OWNER'S OPERATING PERSONNEL, AND A COMPETENT TECHNICIAN SHALL BE PROVIDED FOR INSTRUCTION PURPOSES. THE CONTRACTOR SHALL FURNISH A FRAMED SCHEMATIC CONTROL DIAGRAM SEQUENCE OF OPERATION AND WIRING DIAGRAM IN A LAMINATED COVER.

2. SERVICE AND GUARANTEE CONTROLS SHALL BE ADJUSTED, REPAIRED OR REPLACED FREE OF CHARGE FOR A PERIOD OF ONE (1) YEAR, UNDER NORMAL USE AND SERVICE.

3. THERMOSTATS
- A. MOUNT SENSORS 5'-0" ABOVE FINISHED FLOORS OR AS NOTED ON PLANS. TURN OVER OPERATING INSTRUCTIONS TO TENANT REPRESENTATIVE.

4. ALL LOW VOLTAGE WIRING FOR THERMOSTATS/SENSORS SHOULD BE NO LESS THAN 18 GAUGE.

VI. SPECIFIC HVAC SPECIFICATIONS

SEE HVAC DRAWINGS SPECIFICATIONS FOR:

1. WORK FURNISHED AND/OR INSTALLED BY LANDLORD.

2. INSULATION AND/OR ACOUSTIC LINING
   1) DUCTWORK

3. AUTOMATIC TEMPERATURE CONTROLS
   1) DESCRIPTION OF OPERATIONS
   2) OPERATING INSTRUCTIONS

4. EQUIPMENT
   1) EXHAUST FANS & HVAC UNITS.
   2) MISCELLANEOUS HVAC EQUIPMENT ACCESSORIES.

VII. INSULATION

1. PIPE INSULATION (WHERE APPLICABLE)
- A. ALL INSULATION SHALL BE APPLIED BY CRAFTSMAN SKILLED IN SUCH TRADE.
- B. ALL HVAC CHILLED WATER AND HOT WATER PIPING, VALVES, FITTINGS AND ACCESSORIES SHALL BE INSULATED WITH 1" THICK FIBERGLASS PIPING INSULATION WITH FACTORY APPLIED VAPOR BARRIER. INSULATION SHALL BE JOHNS MANVILLE "MICRO-LOK" OR APPROVED EQUIVALENT. COVER FITTINGS AND VALVES WITH FACTORY-MOLDED FIBROUS GLASS FITTING EQUAL TO COMPRESSED FIBROUS GLASS BLANKET AND ONE PIECE PVC FITTING COVER, JOHNS MANVILLE "ZESTON 300 SERIES" OR EQUIVALENT.
- C. FLAME SPREAD AND SMOKE DEVELOPED RATING OF ALL MATERIAL UTILIZED IN AND FOR THE INSTALLATION OF ALL INSULATION SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
- D. ALL REFRIGERANT PIPING (WHERE REQUIRED) MUST HAVE A MINIMUM OF 1/2" ARMOR INSULATED AND SEALED WITH FACTORY APPROVED SEALANT PER MANUFACTURER'S SPECIFICATION. EXTERIOR INSULATION MUST BE COATED WITH ULTRAVIOLET COATING - MINIMUM TWO COATINGS.

2. ALL UNEXPOSED SUPPLY AND RETURN AIR DUCTWORK, OUTSIDE AIR AND ANY UNEXPOSED DUCTWORK WITHIN BUILDING SHALL HAVE 1-1/2" (OR 2" DEPENDING ON CLIMATE), 1 POUND DENSITY FIBERGLASS DUCT WRAP INSULATION WITH FOIL FACE VAPOR BARRIER, ADHERED WITH WHITE MASTIC CEMENT AND FOIL TAPE. ALL EXPOSED DUCT THAT REQUIRES INSULATION (SUPPLY, RETURN & OUTSIDE AIR DUCTWORK) SHALL BE INTERNALLY LINED.

3. ALL EXTERIOR DUCTWORK SHALL BE PROTECTED BY A PREFABRICATED SELF-ADHESING, SHEET-TYPE WATERPROOF MEMBRANE AS MANUFACTURED BY POLYGUARD PRODUCTS, INC., OR MFM BUILDING PRODUCTS CORPORATION. THE ABOVE REFERENCED PRODUCTS SHALL BE POLYGUARD "ALUMAGUARD 60" OR MFM'S "FLEXCLAD 400". THE WATERPROOFING MEMBRANE SHALL ONLY BE APPLIED AFTER DUCTWORK HAS BEEN PROPERLY SEALED AND PROPERLY INSULATED. THE MEMBRANE SHALL NOT BE USED AS A MEANS FOR AFFIXING THE BOARD INSULATION TO THE DUCTWORK. THE WATERPROOFING MEMBRANE SHALL BE APPLIED ON PINNED OR BONDED FIBERGLASS BOARD DUCT INSULATION AFTER THE INSULATION SURFACE HAS BEEN PROPERLYewkind4A CLEANED. THE INSULATION SURFACE SHALL BE DIRT FREE, DRY AND FREE OF ALL FOREIGN MATERIALS. THE WATERPROOFING MEMBRANE SHALL BE INSTALLED SO THAT ALL SEAMS HAVE A MINIMUM 4" OVERLAP. THE MEMBRANE SHALL FIRST BE APPLIED TO THE UNDERSIDE OF THE DUCT WITH ENOUGH MATERIAL TO WRAP UP THE SIDES OF THE DUCT A MINIMUM OF 4". THE MEMBRANE SHOULD THEN BE APPLIED TO THE SIDE OF THE DUCT WITH ENOUGH MATERIAL TO WRAP OVER THE TOP OF THE DUCT A MINIMUM OF 4", AS WELL AS COVERING THE BOTTOM PIECE OF LAPPING MEMBRANE. FINALLY THE TOP SECTION OF MEMBRANE SHALL BE APPLIED SO THAT 4" MINIMUM OF MEMBRANE SHALL LAP DOWN OVER EACH SIDE. A CLEAN GLOVE SHALL BE USED DURING THE WATERPROOFING INSTALLATION SO AS TO PREVENT HAND OILS FROM CONTAMINATING THE OVERLAP AREAS. WATERPROOFING MEMBRANE SHALL BE APPLIED WHEN INSULATION SURFACE TEMPERATURE IS ABOVE 50°F. WHEN THE SURFACE TEMPERATURE IS BELOW 50°F, USE OF A HOT AIR GUN TO WARM THE SURFACE OF THE ADHESIVES BEFORE THE MEMBRANE IS APPLIED. ON HORIZONTAL DUCT LAYOUTS, COORDINATE THE INSULATION THICKNESS AND THE A/C UNIT LOCATIONS TO PROVIDE SERVICE ACCESS TO THE INTAKES OF THE ECONOMIZER HOODS.

4. LEADING EDGES OF DUCT INSULATION SHALL BE OVERLAPPED BY ADJOINING INSULATION FOR 6" MINIMUM AND THEN SEALED WITH FOIL VAPOR BARRIER ADHESIVE TAPE AND COATED WITH WHITE MASTIC CEMENT SO THAT NO FIBERGLASS INSULATION IS VISIBLE. MECHANICAL CONTRACTOR SHALL REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR ADDITIONAL REQUIREMENTS, RECOMMENDATIONS, PROCEDURES, ETC.

5. ALL INSULATION ON EXISTING PIPING OR DUCTS THAT IS WETTED, DAMAGED, DISTURBED OR REMOVED SHALL BE REPLACED.

6. MAXIMUM FLAME SPREAD SHALL BE 25 AND MAXIMUM SMOKE DEVELOPED CRITERIA SHALL BE 50 OR LESS TO MEET MORE STRINGENT LOCAL CODE CRITERIA.

7. INTERNALLY LINED DUCTWORK TO BE INSULATED WITH 1" THICK, 3 PCF DENSITY, NEOPRENE COATED, LONG TEXTILE FIBER TYPE DUCT LINER, WITH COATING ON THE AIR STREAM SIDE CONFORMING TO NFPA 90A. DUCT LINER ADHESIVE SHALL BE AS RECOMMENDED BY DUCT LINER MANUFACTURER, AND SHALL COMPLY WITH ASTM C-916. DUCT LINER FASTENERS SHALL COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS", LATEST EDITION. THERMAL CONDUCTIVITY SHALL BE EQUAL TO OR LESS THAN 0.26 AT 75°F. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS REQUIRED FOR AIRFLOW. INCREASE DUCT SIZE TO ALLOW FOR INSULATION THICKNESS. DUCT LINER IS PERMITTED ONLY IN URBAN OUTFITTERS STORES, FOR ACOUSTICAL PURPOSES. THE LENGTH OF DUCT LINER SHALL BE THE FIRST 15'-0" OF DUCTWORK FROM THE UNIT DISCHARGE, AND/OR THE FIRST TWO (2) 90° ELLS, WHICHEVER CONDITION IS MET FIRST.

VIII. FLEXIBLE CONNECTIONS

FINAL CONNECTIONS TO EXHAUST FAN(S) SHALL BE WITH A HEAVY AIRTIGHT ACID RESISTANT FIRE RETARDANT FIBER GLASSED NEOPRENE CONNECTOR, A MINIMUM OF SIX (6) INCHES IN LENGTH. THE CONNECTOR SHALL BE FASTENED TO EQUIPMENT AND DUCT WITH TWO FLEXIBLE REMOVABLE BRASS STRAPS, OR ALTERNATE APPROVED METHOD.

IX. FLEXIBLE DUCT

FLEXIBLE DUCT FOR CONNECTIONS SHALL BE A FACTORY FABRICATED ASSEMBLY CONSISTING OF AN INNER SLEEVE, INSULATION AND AN OUTER FOIL (ALUMINIZED) MOISTURE BARRIER. THE INNER SLEEVE SHALL BE CONSTRUCTED OF A CONTINUOUS VINYL COATED SPRING STEEL WIRE HELIX FUSED TO A CONTINUOUS LAYER OF FIBERGLASS IMPREGNATED AND COATED VINYL. A 1-1/4" THICK LAYER OF INSULATING BLANKET OF FIBERGLASS WOOL SHALL ENCASE THE INNER SLEEVE AND BE SHEATHED WITH AN OUTER MOISTURE BARRIER OF A BIDIRECTIONAL REINFORCED METALIZED VAPOR BARRIER. THE FLEXIBLE DUCT SHALL BE RATED FOR A MAXIMUM WORKING VELOCITY OF 6000 FPM AND SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES UNDER THEIR UL-181 STANDARDS AS A CLASS 1 DUCT AND SHALL COMPLY WITH NFPA STANDARD - 90A. THE FLEXIBLE DUCT SHALL BE THERMAFLEX M-KC OR APPROVED EQUIVALENT. FLEXIBLE DUCT SHALL ROUTE FROM SHEET METAL DUCTWORK TO CEILING DIFFUSERS ONLY. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 6'-0" MAXIMUM. THERE SHALL BE NO EXPOSED FLEXIBLE DUCT. FLEXIBLE DUCT BENDS MUST NOT BE GREATER THAN 45° OVER A 3 FOOT SPAN. KINKS OR BUNCHING OF FLEXIBLE DUCT IS PROHIBITED.

X. INDOOR AIR QUALITY

1. NO ANALYSIS HAS BEEN MADE WITH REGARD TO SOURCES OR POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINANTS OR LEVELS OF CONTAMINATION.

2. IT IS THE RESPONSIBILITY OF THE GENERAL AND MECHANICAL CONTRACTOR TO INFORM THE TENANT'S REPRESENTATIVE, LANDLORD AND TENANT'S ARCHITECT IF ANY SOURCE OR POTENTIAL SOURCE OF INDOOR AIR CONTAMINATION IS IDENTIFIED.

3. PRIOR TO ENCLOSING SPACES SUCH AS PLUMBING CHASES, AIR SHAFTS AND RETURN AIR PLENUMS CLEAN ALL AREAS THOROUGHLY. THE CONTRACTOR SHALL GUARANTEE THAT THE PLENUM CHAMBER USED FOR RECIRCULATING OF AIR WILL BE OF TIGHT CONSTRUCTION AND THAT ALL SOURCES OF CONTAMINATION FROM TRAPS, SOIL STACKS, DOWNSPOUTS, VENTS, EXHAUST DISCHARGES AND OTHER SOURCES WILL BE ENCLOSED SO THAT NO CONTAMINATED AIR WILL BE RECIRCULATED.

4. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES SHUT OFF THE HVAC SYSTEM, BLOCK OFF ALL AIR GRILLS, DIFFUSERS, AND OTHER OPENINGS OUTSIDE THE IMMEDIATE CONSTRUCTION AREA. OPENINGS TO ADJACENT TENANT SPACES SHALL BE COVERED WITH FILTER MEDIA TO PREVENT DUST AND OTHER AIRBORNE CONTAMINANTS FROM PASSING TO ADJOINING SPACES.

5. CONTRACTOR TO INSTALL TEMPORARY EXHAUST SYSTEM TO VENTILATE CONSTRUCTION SITE AND KEEP SITE UNDER SLIGHT NEGATIVE PRESSURE DURING ALL HOURS OF CONSTRUCTION, EVEN IF AFTER NORMAL BUSINESS HOURS.

6. CONTRACTOR TO INSTALL TEMPORARY BARRIERS TO PROTECT ADJACENT SPACES FROM DUST, PARTICULATES, VAPORS AND NOISE. WHERE TEMPORARY BARRIERS ARE INSTALLED ALWAYS MAINTAIN FIRE EXITS AND EXITWAYS.

XI. REFRIGERANT PIPING:

1. THIS CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE REFRIGERANT PIPING SYSTEM BETWEEN THE INDOOR FAN UNITS AND OUTDOOR CONDENSING UNITS. REFER TO PLANS TO DETERMINE IF A REFRIGERANT SYSTEM IS REQUIRED.

2. PIPING
- A. REFRIGERANT PIPING SHALL BE TYPE "L" HARD DRAWN, DEHYDRATED COPPER TUBING (ASTM B88). TUBING SHALL BE CLEAN, CAPPED AND NITROGEN CHARGED.
- B. ALL FITTINGS AND JOINTS SHALL BE WROUGHT COPPER OR CAST BRONZE (ANSI B16.22). ALL COPPER TO COPPER JOINTS SHALL BE BRAZED WITH A COPPER-PHOSPHORUS ALLOY AND ALL OTHER JOINTS SHALL BE BRAZED WITH SILFOS-5 ALLOY.
- C. ALL ELBOWS ARE TO BE LONG RADIUS TYPE.
- D. IF EXISTING UNITS ARE REPLACED BUT THE EXISTING REFRIGERANT LINES ARE REUSED, THEN THE CONTRACTOR MUST INSTALL CLEAN UP KIT AND LIQUID LINE DRYER.

3. INSTALLATION
- A. SUCTION LINES SHALL HAVE ADEQUATE LIFT TRAPS AND/OR DOUBLE SUCTION RISERS TO MEET THE REQUIREMENTS OF FIELD CONDITIONS AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- B. BRAZE ALL JOINTS WITH SILFOS-5 STARTING AT THE INDOOR UNIT AND WORKING TOWARD THE OUTDOOR UNIT. THE SEALS ON THE OUTDOOR UNIT SHALL BE BROKEN LAST. A NITROGEN BLEED SHALL BE USED DURING ALL BRAZING AND ANY TIME THE SYSTEM IS OPEN. ALL OPEN LINES SHALL BE CAPPED AND SEALED BEFORE LEAVING THE SITE DURING CONSTRUCTION. PRESSURE TEST FOR LEAKS WITH AN INERT GAS UP TO 245 PSIG. REDO LEAKING JOINTS AND RETEST UNTIL SYSTEM IS TIGHT. EVACUATE ENTIRE SYSTEM TO 200 MICRONS OF MERCURY. CHARGE SYSTEM WITH 25 PSI OF R-22 AND A INERT GAS TO 245 PSI AND RETEST SYSTEM. ENERGIZE CRANK CASE HEATERS 24 HOURS PRIOR TO STARTING COMPRESSOR TO ENSURE THAT ALL REFRIGERANT LIQUID IS OUT OF THE COMPRESSOR.
- C. UPON COMPLETION OF TESTING, BUT BEFORE THE REFRIGERANT PIPING INSULATION IS APPLIED, THE PIPING MUST BE INSPECTED BY A REPRESENTATIVE OF THE LOCAL GOVERNING AUTHORITY AS NECESSARY.
- D. INSULATE THE REFRIGERANT SUCTION LINES AND CONDENSATE LINES WITH RUBATEX OR ARMSTRONG 1 INCH THICK PIPE INSULATION WITH FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 IN ACCORDANCE WITH INDUSTRY STANDARDS. DO NOT INSULATE THE HOT GAS (LIQUID) LINES OR ANY HOT GAS BYPASS.

4. INSPECTION
- A. CONTRACTOR MUST PREPARE AND SUBMIT A COMPLETE PIPING SCHEMATIC TO THE LOCAL MANUFACTURER REPRESENTATIVE FOR APPROVAL PRIOR TO BEGINNING INSTALLATION. UPON COMPLETION OF PIPING, THIS CONTRACTOR MUST CALL THE LOCAL REPRESENTATIVE FOR FIELD INSPECTION OF WORK PERFORMED. ALL ITEMS FOUND TO BE INADEQUATE FOR PROPER PERFORMANCE BY MANUFACTURER REPRESENTATIVE MUST BE CORRECTED. THIS INSPECTION IS PERFORMED AT CONTRACTOR'S EXPENSE.

XII. COOLING COIL CONDENSATE WASTE PIPING:

1. PIPING SHALL BE STANDARD WEIGHT GALVANIZED STEEL ASTM A-53 WITH SCREWED TYPE FITTINGS OR DWV TYPE COPPER WITH DRAINAGE TYPE FITTINGS AND TRAPS. THEY SHALL BE INSTALLED IN CONFORMITY WITH THE LANDLORD REQUIREMENTS AND LOCAL CODES.

2. CONDENSATE PIPING SHALL HAVE A MINIMUM PITCH OF 1/8" PER FOOT.

3. PIPING SHALL BE A MINIMUM OF 1 INCH NOMINAL DIAMETER. IT SHALL BE INSULATED WITH A MINIMUM OF 1/2 INCH THICK CLOSED CELL INSULATION EQUAL TO ARMACELL "AP" ARMAFLEX IN INTERIOR SPACES. SEPARATED WHERE THEY COME IN CONTACT WITH ONE ANOTHER.

XIII. GAS PIPING:

1. THE MECHANICAL CONTRACTOR IS TO FURNISH AND INSTALL, IN COMPLIANCE WITH THE MOST RECENT CODES AND STANDARDS FOR GAS PIPING SYSTEMS, REGULATORS, ETC. REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL AND OPERATIONAL. ANY OTHER EQUIPMENT REQUIRED TO MAKE THE SYSTEM OPERATIONAL AND NOT SHOWN OR SPECIFIED WILL BE PROVIDED BY THIS CONTRACTOR.
- A. PIPING SHALL BE SCHEDULE 40 BLACK STEEL ASTM A-53.
- B. FITTINGS FOR THREADED PIPING SHALL BE 150# MALLEABLE IRON IN ACCORDANCE WITH ASA-B16.3 AND ASTM A-197.
- C. PROVIDE UNIONS AT EACH PIPING CONNECTION TO EQUIPMENT AND SPECIALTIES. UNIONS FOR STEEL PIPING SHALL BE GROUND JOINT, SCREWED END, MALLEABLE IRON UNIONS. PROVIDE DIELECTRIC UNION FITTINGS FOR JOINING FERROUS TO NONFERROUS PIPING. FITTINGS SHALL BE NIBCO, WARD MFG, OR APPROVED EQUIVALENT AND SELECTED TO SUIT PIPING CONNECTIONS.
- D. PROVIDE A SHUTOFF VALVE AT CONNECTION TO A PIECE OF EQUIPMENT AND AT ALL OTHER POINTS WHERE INDICATED OR REQUIRED FOR PROPER SYSTEM OPERATION AND MAINTENANCE.

2. SHUTOFF VALVES: BALL TYPE SHUTOFF VALVES SHALL BE FORGED BRASS, MINIMUM 600 PSIG COLD WORKING PRESSURE. FULL PORT BODY, WITH THREADED CONNECTION.

3. ALL VALVES SHALL BE TAGGED FOR THE TYPE OF SERVICE AND THE FUNCTION THEY SERVE.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STREET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No.11381
LICENSED
PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907

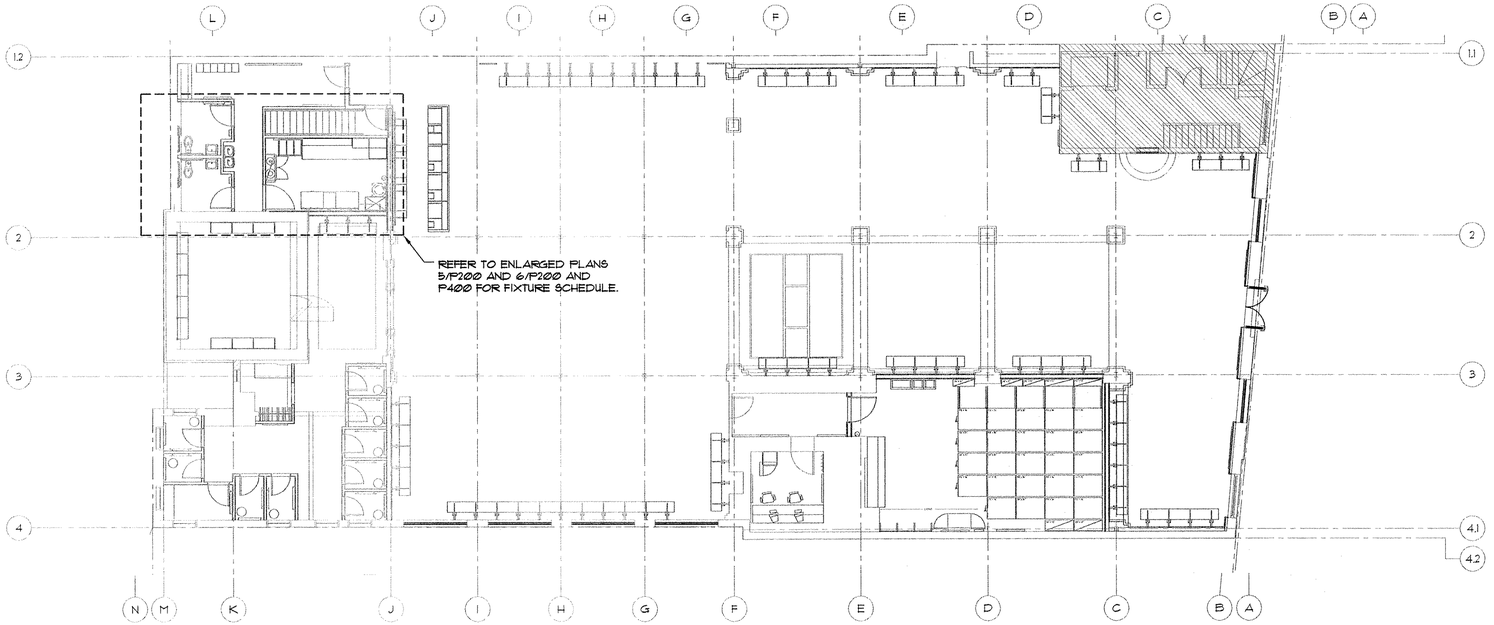
DRAWN BY:
BRD

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

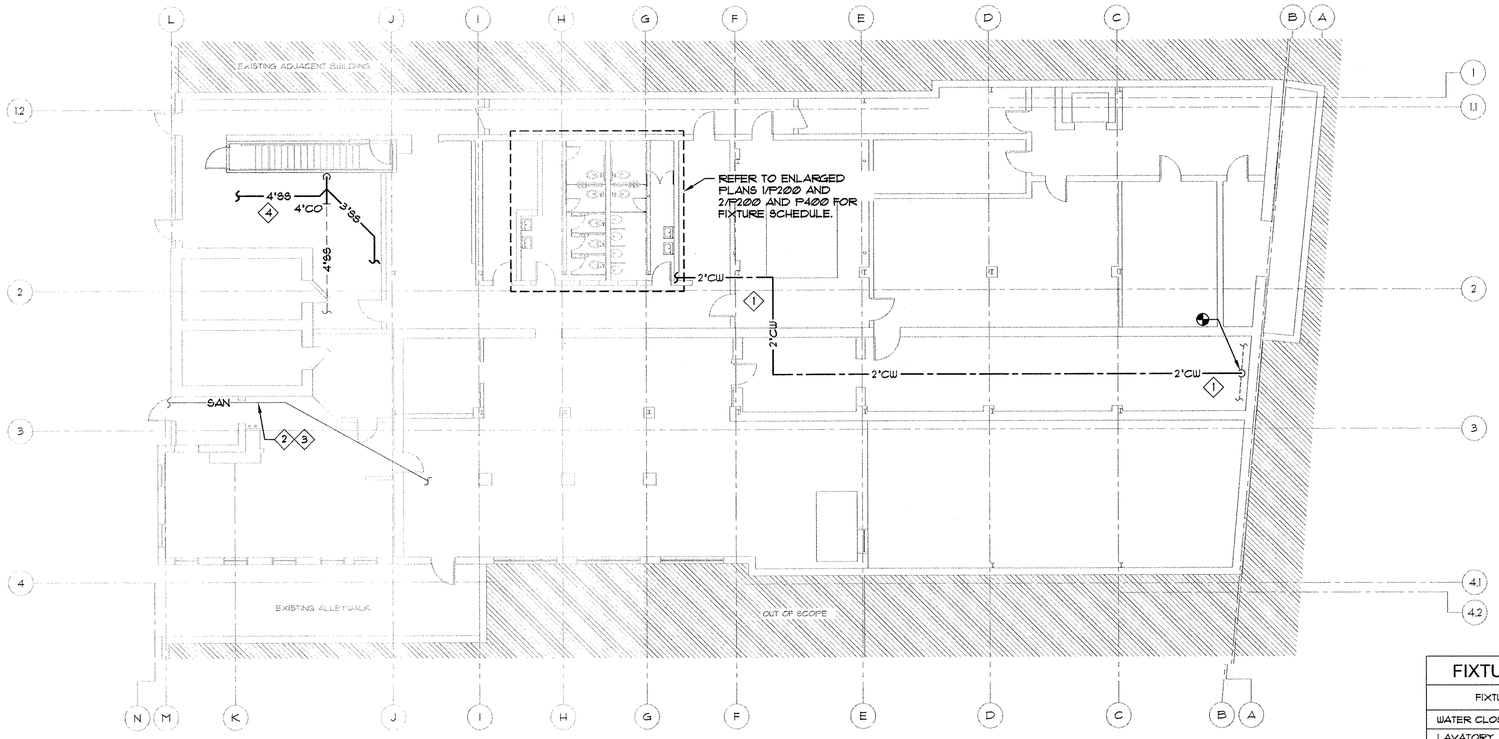
SHEET TITLE :
MECHANICAL SPECIFICATIONS

SHEET NO. :
M400



2 FIRST FLOOR PLAN - PLUMBING

P100 SCALE: 3/32"-1'-0" 0 8' 16' 24' 32'



1 BASEMENT PLAN - PLUMBING

P100 SCALE: 3/32"-1'-0" 0 8' 16' 24' 32'

GENERAL NOTES

A. SPECIFICATIONS, REFER TO PLUMBING SPECIFICATIONS FOR FURTHER INFORMATION AND REQUIREMENTS FOR PLUMBING CONTRACTOR.

B. SUSPEND ALL HORIZONTAL SERVICE PIPING SHOWN ON THIS PROJECT SUCH AS, BUT NOT LIMITED TO WATER, SANITARY WASTE/VENT, STORM WATER, GAS, ETCETERA FROM UNDERSIDE OF ROOF AND/OR FLOOR STRUCTURE, UNLESS OTHERWISE NOTED OR INDICATED. HOLD SUCH PIPING HIGH AS POSSIBLE. EXTEND PIPING DOWN IN WALLS, PARTITIONS, CHASES, ETCETERA TO SERVE FIXTURES AND EQUIPMENT AS SHOWN ON PLANS.

C. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.

D. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS, AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.

E. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS, ETCETERA AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS.

F. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

G. PROVIDE BACKFLOW PREVENTION DEVICES, (BPD) IN WATER LINES FEEDING PLUMBING FIXTURES AND/OR EQUIPMENT, AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF APPROVED TYPE AND MANUFACTURER (ATMOSPHERIC VACUUM, PRESSURE VACUUM, DOUBLE CHECK, AND REDUCED PRESSURE).

H. VERIFY SERVICE CONNECTION POINTS, SIZES, ELEVATIONS, AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITIES COMPANY'S AND/OR CIVIL ENGINEER. SERVICES TO INCLUDE BUT NOT LIMITED TO DOMESTIC WATER, FIRE, SANITARY SEWER, STORM SEWER, GAS, ETCETERA.

I. WATER PRESSURE, PLUMBING CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY, PRIOR TO ALL LOCALLY REQUIRED DEVICES SUCH AS WATER METER, BACKFLOW PREVENTION DEVICES, ETCETERA IS LESS THAN 55 PSIG STATIC, CONTACT OWNERS REPRESENTATIVE. IF PRESSURE IS IN EXCESS OF 80 PSIG STATIC, INSTALLATION OF PRESSURE REDUCING VALVE IS REQUIRED.

J. WATER HAMMER ARRESTER SHALL BE INSTALLED THROUGHOUT PLUMBING WATER SYSTEMS AS REQUIRED.

K. WATER ENTRY SERVICE PIPING, NEW AND/OR REVISED. PLUMBING CONTRACTOR SHALL ENSURE AND PROVIDE MINIMUM 10'-0" LINEAR FEET OF METAL PIPING MATERIAL BELOW GRADE FOR CONNECTION OF ELECTRICAL SERVICE GROUNDING.

PLUMBING KEYED NOTES

1. PROVIDE A NEW 2" SERVICE STARTING AT THE BUILDING WATER MAIN AND EXTEND TO THE RESTROOMS. VERIFY EXISTING WATER METER IS ADEQUATE FOR THE NEW SERVICE. COORDINATE WITH THE LOCAL WATER UTILITY.
2. SNAKE OUT ALL SANITARY SEWER LINES TO NEAREST MANHOLE. GENERAL CONTRACTOR SHALL VERIFY LINE IS CLEAR. IF THERE IS AN OBSTRUCTION IN THE EXISTING LINES, LANDLORD IS RESPONSIBLE FOR CLEARING THE BLOCKAGE. CONTRACTOR SHALL PRESENT CERTIFICATE OF COMPLETION.
3. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS OF THE SANITARY SEWER, AND VENT PIPING BEFORE STARTING WORK.
4. ROUTE 4" SANITARY SEWER LINES FROM FIRST FLOOR TO AN ADJACENT WALL AND DOWN BELOW SLAB. VERIFY EXACT LOCATION OF EXISTING SANITARY SEWER LINES BELOW SLAB BEFORE STARTING WORK.

PLUMBING SYMBOLS LEGEND

	EXISTING PIPING (SEE DRAWING)
CW	COLD WATER (CW)
CW (BG)	COLD WATER (CW) - BELOW SLAB/GRADE
F	FIRE PROTECTION (F) (SPRINKLER/STANDPIPE)
SP	FIRE PROTECTION (SP) (STANDPIPE)
HW	HOT WATER (HW)
HW (BG)	HOT WATER (CW) - BELOW SLAB/GRADE
G	GAS LINE (G)
CD	CONDENSATE DRAIN LINE (CD)
V	PLUMBING VENT (V)
V	PLUMBING VENT (V) - BELOW SLAB/GRADE
	SANITARY WASTE (SAN) -ABOVE GRADE
SAN	SANITARY WASTE (SAN) - BELOW SLAB/GRADE
	PIPE TURNING UP/DOWN
	TEE TURNING UP/DOWN
	SHUTOFF VALVE (BALL TYPE)
	CHECK VALVE
	BALANCING VALVE
	KEYED NOTE
	FIXTURE IDENTIFICATION
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
FFCO/FGCO	FLUSH FLOOR/GRADE CLEANOUT
(E)	EXISTING
	CONNECT TO EXISTING

FIXTURE BRANCH SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WATER CLOSET (VALVE)	1"	--	4"	2"
LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"
FLOOR DRAIN	--	--	2"	1-1/2"
MOP BASIN	1/2"	1/2"	3"	1-1/2"
DRINKING FOUNTAIN	1/2"	--	1-1/2"	1-1/2"

SIZES ARE MINIMUM BRANCH SIZE TO FIXTURE.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE · WILLIAM R. LENKER, JR. · No. 11381 · LICENSED PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907
DRAWN BY: SAH

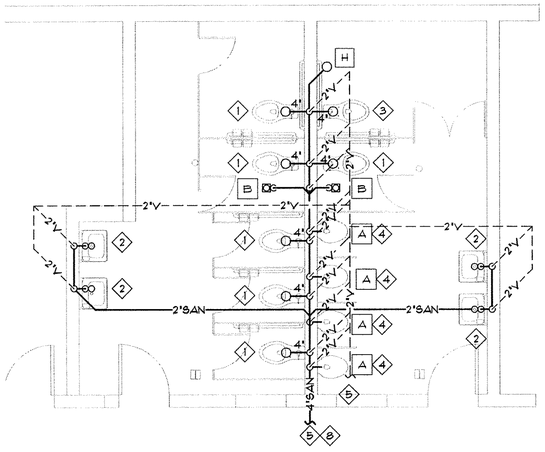
ISSUE / DATE:

100% CHECKSET
07-08-11

REVISION :

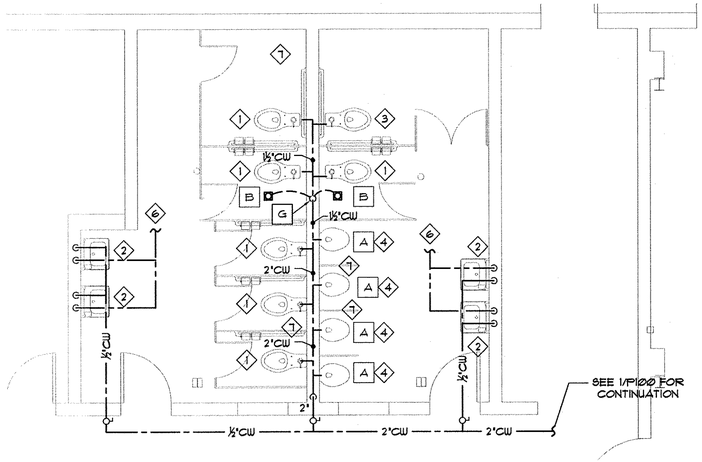
SHEET TITLE :
PLUMBING
FLOOR PLANS

SHEET NO. :
P100



1 SANITARY WASTE - BASEMENT PLAN

P200 SCALE: 1/4" = 1'-0"



2 (DOMESTIC WATER) PIPING PLAN - BASEMENT PLAN

P200 SCALE: 1/4" = 1'-0"

PLUMBING PLAN NOTES

1. RELOCATED EXISTING WATER CLOSET. CONTRACTOR SHALL STEAM CLEAN AND DISINFECT. INSPECT/REPAIR AS NEEDED TO ENSURE PROPER OPERATION OF FIXTURE. FIXTURE TO BE RETURNED TO LIKE NEW CONDITION OR BE REPLACED. INSTALL WITH NEW WAX SEAL. COORDINATE WITH OWNER FOR LOCATION OF EXISTING FIXTURE.
2. RELOCATED EXISTING LAVATORY. CONTRACTOR SHALL STEAM CLEAN AND DISINFECT. INSPECT/REPAIR AS NEEDED TO ENSURE PROPER OPERATION OF FIXTURE. FIXTURE TO BE RETURNED TO LIKE NEW CONDITION OR BE REPLACED. INSTALL WITH NEW SHUT OFF VALVES AND P-TRAP. PROVIDE A NEW CARRIER EQUAL TO J.R. SMITH 0700 WITH "SURE-SET" LOCKING DEVICE AND LEVELING SCREWS. INSULATE ALL PIPING BELOW FIXTURE WITH TRUEBRO LAV-GUARD 2 OR EQUAL. COORDINATE WITH OWNER FOR LOCATION OF EXISTING FIXTURE.
3. EXISTING WATER CLOSET SHALL REMAIN. CONTRACTOR SHALL CLEAN, INSPECT, AND REPAIR FIXTURE AS NEEDED TO ENSURE PROPER OPERATION OF FIXTURE AND RETURN FIXTURE TO LIKE NEW CONDITION.
4. PROVIDE NEW URNIALS. SEE FIXTURE SPECIFICATION ON P400.
5. CONNECT TO EXISTING WASTE/VENT PIPING. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING UTILITIES BEFORE STARTING WORK.
6. CONNECT TO EXISTING HOT AND/OR COLD WATER PIPING MAINS. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF FIXTURE PIPING BEFORE STARTING WORK.
7. UNUSED DOMESTIC WATER PIPING SHALL BE DEMOLISHED. UNUSED SANITARY PIPING SHALL BE CUT AND CAPPED BELOW FINISHED FLOOR.
8. SNAKE OUT ALL SANITARY SEWER LINES TO NEAREST MANHOLE. GENERAL CONTRACTOR SHALL VERIFY LINE IS CLEAR. IF THERE IS AN OBSTRUCTION IN THE EXISTING LINES, LANDLORD IS RESPONSIBLE FOR CLEARING THE BLOCKAGE. CONTRACTOR SHALL PRESENT CERTIFICATE OF COMPLETION.

PLUMBING SYMBOLS LEGEND

	EXISTING PIPING (SEE DRAWING)
CW	COLD WATER (CW)
CW (BG)	COLD WATER (CW) - BELOW SLAB/GRADE
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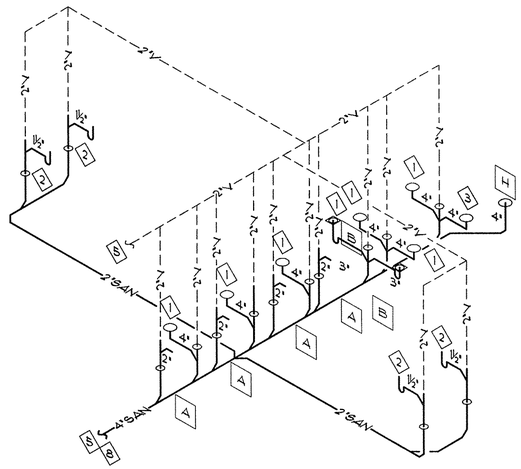
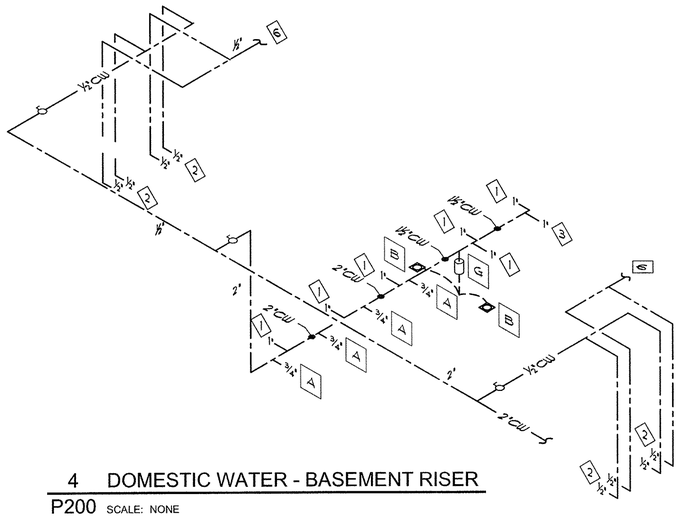
HW (BG)	HOT WATER (CW) - BELOW SLAB/GRADE
G	GAS LINE (G)
CD	CONDENSATE DRAIN LINE (CD)
V	PLUMBING VENT (V)
V	PLUMBING VENT (V) - BELOW SLAB/GRADE
	SANITARY WASTE (SAN) -ABOVE GRADE
SAN	SANITARY WASTE (SAN) - BELOW SLAB/GRADE
	PIPE TURNING UP/DOWN
	TEE TURNING UP/DOWN
	SHUTOFF VALVE (BALL TYPE)
	CHECK VALVE
	BALANCING VALVE
	KEYED NOTE
	FIXTURE IDENTIFICATION
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
FFCO/FGCO	FLUSH FLOOR/GRADE CLEANOUT
(E)	EXISTING
	CONNECT TO EXISTING



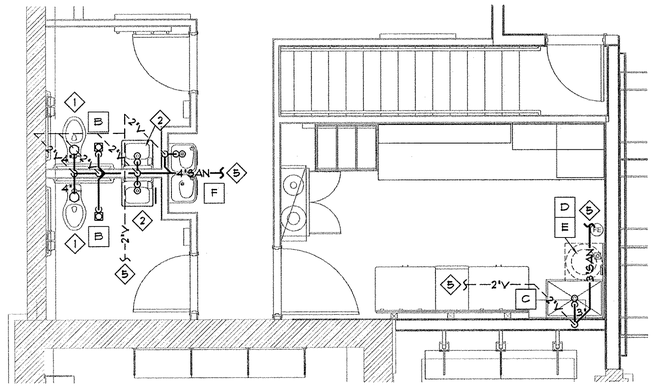
3 SANITARY WASTE - BASEMENT RISER

P200 SCALE: NONE



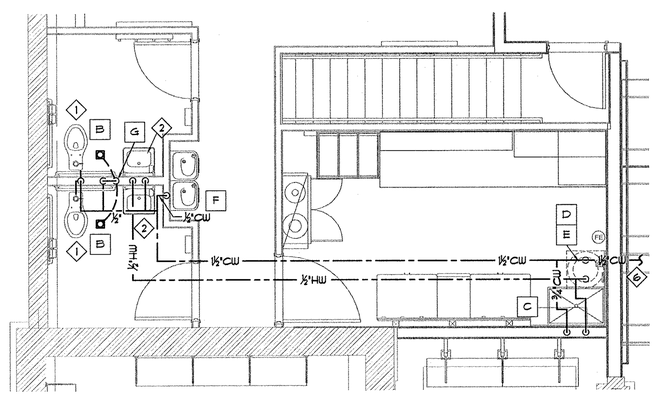
4 DOMESTIC WATER - BASEMENT RISER

P200 SCALE: NONE



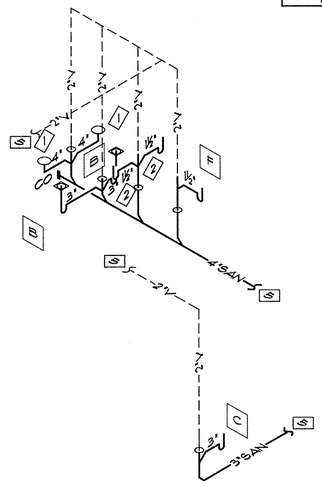
5 SANITARY WASTE - 1ST FLOOR PLAN

P200 SCALE: 1/4" = 1'-0"



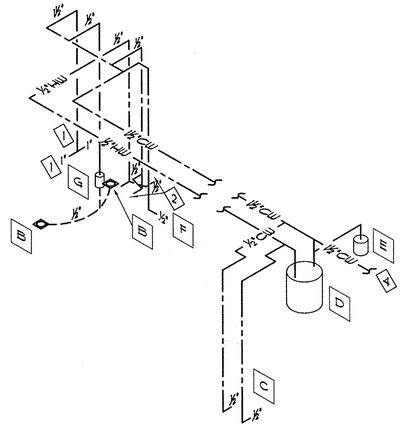
6 DOMESTIC WATER - 1ST FLOOR PLAN

P200 SCALE: 1/4" = 1'-0"



7 SANITARY WASTE - 1ST FLOOR RISER

P200 SCALE: NONE



8 DOMESTIC WATER - 1ST FLOOR RISER

P200 SCALE: NONE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE
WILLIAM R. LENKER, JR.
No. 11381
LICENSED PROFESSIONAL ENGINEER

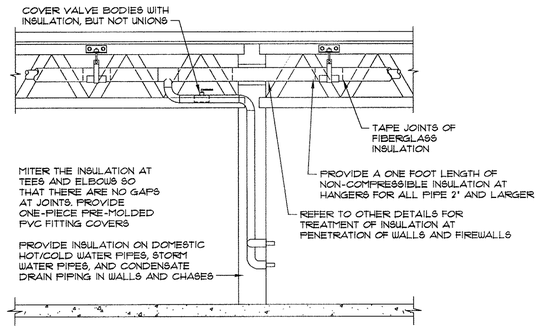
ARCH PROJECT #: 1121907
DRAWN BY: SAH

ISSUE / DATE:
100% CHECKSET
07-08-11

REVISION :

SHEET TITLE :
ENLARGED PARTIAL PLUMBING PLANS AND RISERS

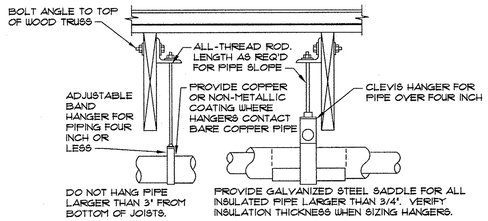
SHEET NO. :
P200



PROVIDE FIBERGLASS INSULATION WITH ALL-SERVICE JACKET WITH VAPOR BARRIER ON ALL COLD/HOT WATER PIPING AND CONDENSATE DRAIN PIPE. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC.

1 PIPE INSULATION

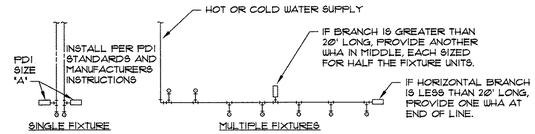
P300 SCALE: NONE



PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4'=1/2"± 3"=1"± 2-1/2"=10'± 2"=9' 1-1/2"=8'± 1-1/4"=7'± 1"=6'± 3/4"=5'± 1/2"=5'. CAST IRON: 10' AND ONE NEAR ALL JOINTS. STEEL: 4"=14'± 3"=12'± 2-1/2"=11'± 2"=10'± 1-1/2"=9'± 1"=7'± 3/4"=6'± 1/2"=5'. LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES FOR FURTHER INFORMATION.

2 PIPE HANGERS

P300 SCALE: NONE



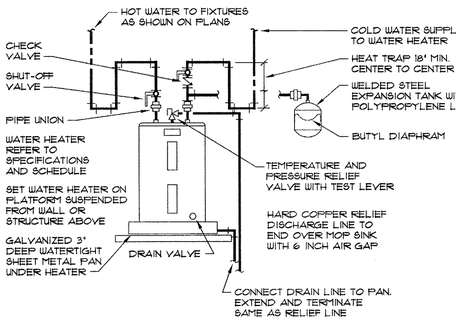
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	½"	1-11
B	¾"	12-32
C	1"	33-60
D	1¼"	61-113
E	1½"	114-154

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
WATER CLOSET (TANK)	2.5	--
LAVATORY	.75	.75
JANITOR'S SINK	2.5	2.5
DRINKING FOUNTAIN	0.5	--
SINK	1.5	1.5

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI "WH-201, ASSE #1010 AND ANSI "A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

3 WATER HAMMER ARRESTERS

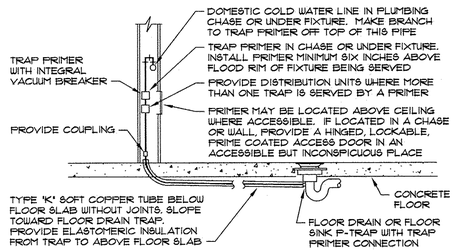
P300 SCALE: NONE



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO FLOOR PLAN FOR PIPE SIZES. SET WATER HEATER THERMOSTAT AT 120° FAHRENHEIT.

4 WATER HEATER

P200 SCALE: NONE



TRAP PRIMER MAY BE LOCATED ABOVE CEILING WHERE ACCESSIBLE.

5 TRAP PRIMER

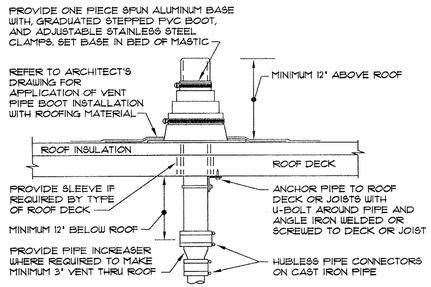
P300 SCALE: NONE

PROVIDE ROUND SECURED NICKEL BRONZE ADJUSTABLE TOP WITH 'CO' CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS). PROVIDE BRONZE PLUG IN CAST IRON BODY.

LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

6 FLOOR CLEANOUT

P300 SCALE: NONE



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.

7 VENT THRU ROOF (VTR)

P300 SCALE: NONE

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE — WILLIAM R. LENKER, JR. — No. 14881 — LICENSED PROFESSIONAL ENGINEER

ARCH PROJECT #: 1121907
DRAWN BY: SAH

ISSUE / DATE:

100% CHECKSET
07-08-11

REVISION :

SHEET TITLE :
PLUMBING DETAILS

SHEET NO. :
P300

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PLUMBING SPECIFICATIONS

THE WORK INCLUDES MODIFICATION TO THE EXISTING PLUMBING SYSTEM AND PROVIDING NEW MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND/OR ORDINANCES AND IS SUBJECT TO INSPECTION.

HOOK-UP CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS A PART OF THIS SECTION.

THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS. COMPLY WITH ALL APPLICABLE ADA INSTALLATION REQUIREMENTS.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE.

PIPING SYSTEMS - GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIALECTIC UNION. ALL HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT CORROSION.

PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

FIXTURES/EQUIPMENT FURNISHED BY OTHERS: PLUMBING CONTRACTOR SHALL PROVIDE UTILITY CONNECTIONS REQUIRED SUCH AS WATER, WASTE OUTLET, TRAPS, ETCETERAS AT ALL PLUMBING TYPE FIXTURES OR EQUIPMENT FURNISHED BY OWNER, GENERAL CONTRACTOR, ETCETERA, INCLUDED ARE STOP VALVES, ESCUTCHEONS, AND CHROME PLATED BRASS TUBING WITH COMPRESSION FITTINGS.

SEWER AND WASTE PIPING: PROVIDE ALL DRAINS AND SEWERS WITHIN THE LEASED SPACE WITH CONNECTION TO THE LANDLORD'S EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE HUBLESS CAST-IRON PIPE, FITTINGS AND CONNECTIONS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINTS. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER, 1/8" PER FOOT FOR PIPE SIZES 4" AND LARGER, UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON THE DRAWINGS.

VENTS: PROVIDE A COMPLETE SYSTEM OF STANDARD WEIGHT CAST IRON NO-HUB VENT RISERS WHERE THE CEILING SPACE IS USED AS A RETURN AIR PLENUM OR USE DUV PLASTIC (WHERE PERMITTED BY CODE/LOCAL AUTHORITIES). WHERE THERE IS A DUCTED RETURN AIR SYSTEM, DO NOT USE DUV PLASTIC IN RETURN AIR PLENUM SPACES. THE VENT SYSTEM SHALL BE CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING.

CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW.

WATER DISTRIBUTION PIPING: LAYOUT WATER PIPING SO THAT THE ENTIRE SYSTEM CAN BE DRAINED. ABOVE GRADE HOT AND COLD WATER PIPING SHALL BE 1/2" MINIMUM TYPE L COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS. BELOW GRADE HOT AND COLD WATER PIPING SHALL BE 1/2" MINIMUM TYPE K COPPER TUBING WITH WROUGHT COPPER FITTINGS, AND SWEAT CONNECTIONS. PROVIDE WATER HAMMER ARRESTERS AT EACH FIXTURE OR GROUP OF FIXTURES AS REQUIRED. INSTALL CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS THROUGH FINISHED SURFACES (INCLUDING CABINET INTERIORS). USE TIN-ANTIMONY SOLDER, 95/5 FOR ALL SWEAT FITTINGS OF COPPER PIPING.

PIPE INSULATION: RIGID ONE-PIECE FIBERGLASS PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 547, SELF-SEALING ADHESIVE LAP LONGITUDINAL JOINTS AND BUTT STRIPS FOR TRANSVERSE JOINTS. JACKETING SHALL CONFORM TO ASTM C 1136, TYPE I, MAXIMUM VAPOR TRANSMISSION RATING OF .02 PERM WHEN TESTED ACCORDING TO ASTM E 96, PROCEDURE A. (K VALVE) .25 BTU • IN. / HR. • FT2 • °F AT 75°F MEAN TEMPERATURE. PROVIDE INSULATION THICKNESS AS INDICATED. ACCEPTABLE LOCATIONS FOR INSTALLING FIBERGLASS INSULATION IS IN THE BACK OF HOUSE (STOCKROOM, CORRIDOR, RESTROOMS, AND OFFICES), AND ABOVE CEILINGS THAT CONCEAL THE INSULATION FROM PUBLIC VIEW.

DOMESTIC COLD WATER PIPING 1" AND SMALLER: 1/2" THICKNESS
DOMESTIC COLD WATER PIPING 1-1/4" - 2": 3/4" THICKNESS

DOMESTIC HOT WATER PIPING 2" AND SMALLER: 1" THICKNESS

HOT WATER AND WASTE PIPING BELOW HANDICAP LAVATORIES/SINKS

PIPE INSULATION: FLEXIBLE, ONE PIECE, EXPANDED CLOSED-CELL ELASTOMERIC PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 534, CFC FREE, UNSLIT TUBULAR FORM, WITH A MAXIMUM VAPOR TRANSMISSION RATING OF .06 PERM WHEN TESTED ACCORDING TO ASTM E 96. THERMAL CONDUCTIVITY (K VALVE) SHALL NOT EXCEED .25 BTU • IN. / HR. • FT2 • °F AT 75°F MEAN TEMPERATURE, AND INSULATION SHALL BE RATED FOR OPERATING TEMPERATURES FROM -70°F TO 220°F. PROVIDE NOMACO FLEX THERM. PROVIDE INSULATION THICKNESS AS INDICATED. FLEXIBLE ELASTOMERIC INSULATION SHALL BE INSTALLED ON ALL NEW AND EXISTING DOMESTIC WATER PIPING LOCATED IN THE SALES AREAS AND EXPOSED TO PUBLIC VIEW (NO EXCEPTIONS).

DOMESTIC COLD WATER PIPING 2" AND SMALLER: 1/2" THICKNESS

DOMESTIC HOT WATER PIPING 2" AND SMALLER: 1/2" THICKNESS

SHUTOFF VALVES, WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE, FOOD SERVICE EQUIPMENT ITEM OR OTHER EQUIPMENT ITEM, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. VALVES SHALL BE EQUAL TO CRANE #9302-9322 BALL VALVE. CONSTRUCTION - TWO PIECE, BRONZE BODY, FULL PORTED, CHROME PLATED BRASS BALL, REPLACEABLE 'TEFLON OR TFE' SEATS AND SEALS. RATING - 150 PSI WSP, 600 PSI WOG. CONNECTIONS - SOLDER OR THREADED ENDS TO MATCH PIPING. STANDARDS COMPLIANCE - BRONZE OR BRASS VALVES: MSS-SP-110.

ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETCETERA ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.

INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS.

REPAIR EXISTING PLUMBING SYSTEM COMPONENTS DAMAGED BY CONSTRUCTION OPERATIONS AND RESTORE TO ORIGINAL CONDITIONS.

TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR FOUR (4) HOURS MINIMUM. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

TEST SANITARY DRAINAGE AND VENT SYSTEM BY FILLING WITH WATER, WITH ALL POINTS IN THE SYSTEM BEING SUBJECT TO PRESSURE OF AT LEAST 10' OF WATER. WATER LEVEL SHALL REMAIN STATIONARY FOR A PERIOD OF ONE HOUR, WITHOUT ANY PIPE OR JOINT LEAKAGE. IF TESTING INDICATES DEFICIENTS REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

PLUMBING FIXTURE SCHEDULE

PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT:

A — URINAL: WALL HUNG/A.D.A. COMPLIANT; SHALL BE AMERICAN STANDARD WASH- BROOK 6520.020, 1.0 GPF VITREOUS CHINA WASHOUT ACTION WITH 3/4" TOP SPUD, COMPLETE W/TWO WALL HANGERS & SLOAN 186-1.0 FLUSH VALVE. MOUNT FLOOD RIM AT 17" A.F.F. & FLUSH VALVE HANDLE 44" MAX. A.F.F.

B — FLOOR DRAIN: JR SMITH #2010 CAST IRON DRAIN WITH NICKEL BRONZE STRAINER, MEMBRANE FLASHING CLAMP. PROVIDE OUTLET WITH P-TRAP. CLEAN AND POLISH STRAINER TOP AFTER INSTALLATION. OPTIONAL ROUND OR SQUARE STRAINER.

C — MOP BASIN: FIAT #MSB-3624, 36"x24"x10" ONE-PIECE MOLDED STONE CONSTRUCTION WITH 3" STAINLESS STEEL DRAIN, PRE-RINSE UNIT, T&S BRASS #B-0129-VB, WITH ANGLE SPRAY VALVE, HAND CONTROL VACUUM RELIEF VALVE AND 68" STAINLESS STEEL HOSE. G.C. TO PROVIDE FRP WALL FINISHES BEHIND MOP BASIN. REFER TO ARCHITECTURAL PLANS.

D — WATER HEATER (POINT OF USE): AO SMITH #ELJC-20, 19 GALLONS STORAGE, 2500 WATTS HEATING INPUT WITH 120V-1Ø ELECTRICAL SERVICE, ENERGY EFFICIENT, FIVE YEAR LIMITED WARRANTY, MAGNESIUM ANODE, GLASS LINED STEEL TANK, IMMERSION ELEMENTS, STEEL JACKET WITH ENAMEL FINISH, AUTOMATIC CONTROLS. PROVIDE T&P RELIEF VALVE. INSTALLER DETAIL ON DRAWINGS AND PER MANUFACTURER'S INSTRUCTIONS.

E — EXPANSION TANK: AMTROL #ST-5 'THERM-X-TROL', TOTAL VOLUME OF 2 GALLONS WITH A MAXIMUM ACCEPT VOLUME OF .3 GALLONS, 3/4" CONNECTION. INSTALL PER MANUFACTURER INSTRUCTION.

F — ELECTRIC WATER COOLER: ELKAY MODEL NO. EZSTL-8-C, DUAL MOUNTED, BARRIER FREE WALL HUNG STAINLESS STEEL RECEPTOR, PUSH-BAR OPERATED BUBBLER, STAINLESS STEEL WITH SIENNA BRONZE FINISH CABINET, 8.2 GPH OF 50 DEGREES F WATER AT 90°F AMBIENT AND 80°F ENTERING WATER, 115V, 1 PHASE. MOUNT AT ELEVATIONS INDICATED ON ARCHITECTURAL DRAWINGS AS REQUIRED TO MEET LOCAL REGULATIONS, GENERAL CONTRACTOR TO PROVIDE ELKAY LKAFREZL APRON.

G — TRAP PRIMER: PRECISION PLUMBING PRODUCT #PRIME-RITE, AUTOMATIC OPERATIONS, 1/2" INLET AND OUTLET, SERVICE UP TO FOUR FLOOR DRAINS WITH DISTRIBUTION UNIT. INSTALL IN ACCESSIBLE LOCATION WITH PRIMER BEING A MINIMUM OF 6" ABOVE FLOOD LEVEL OF FLOOR DRAIN RIM. PROVIDE ACCESS PANEL AS REQUIRED.

H — FLOOR CLEANOUT: ADJUSTABLE CLEANOUT, JOSAM SERIES 58360

J — WALL CLEANOUT: CLEANOUT AND ACCESS COVER, JOSAM SERIES 58600-CO.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE · WILLIAM R. LENKER, JR. · No. 11361 · LICENSED PROFESSIONAL ENGINEER · 7/21/11

ARCH PROJECT #: 1121907
DRAWN BY: SAH

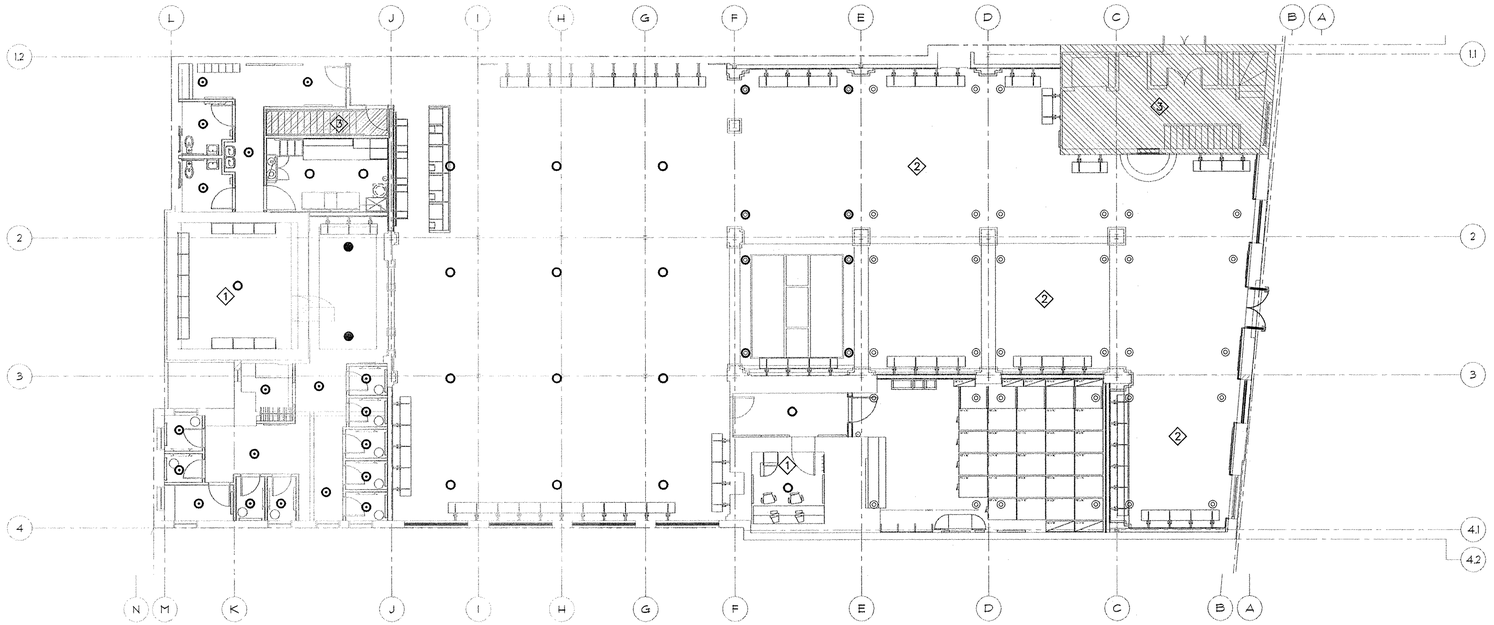
ISSUE / DATE:

100% CHECKSET
07-08-11

REVISION :

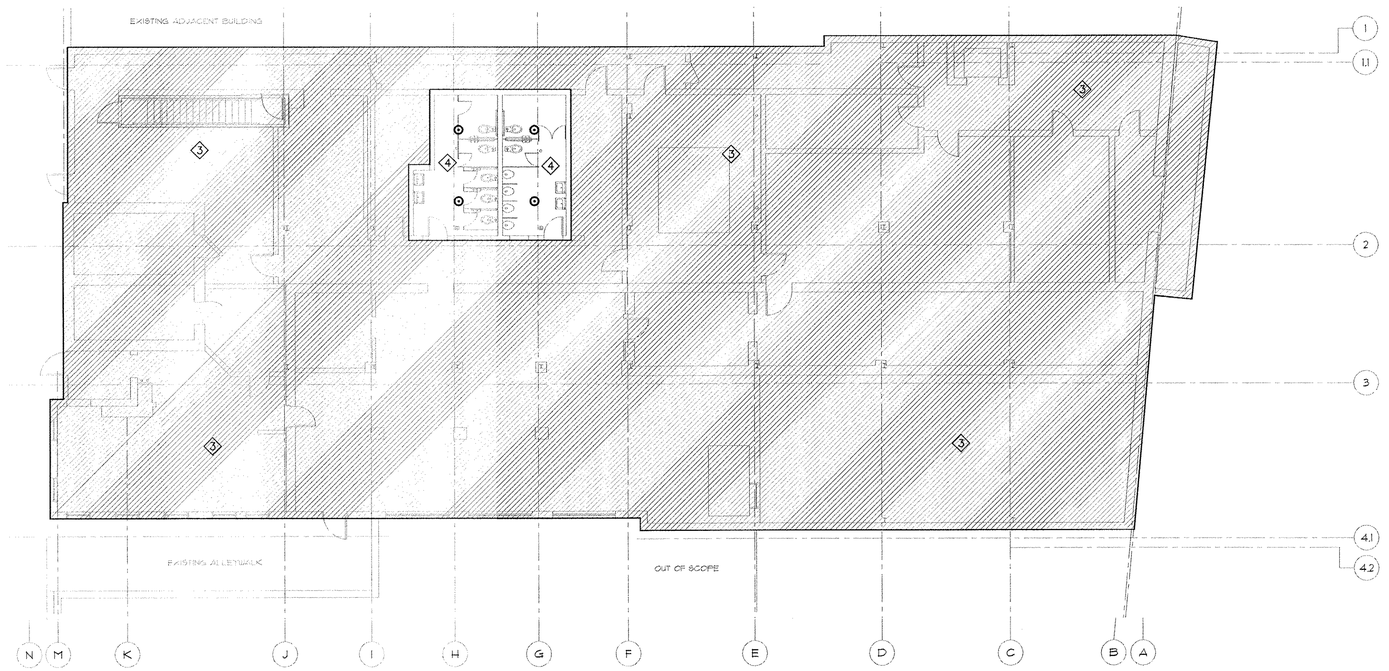
SHEET TITLE :
PLUMBING FIXTURE SCHEDULE & SPECIFICATIONS

SHEET NO. :
P400



2 FIRST FLOOR PLAN - FIRE PROTECTION

FP100 SCALE: 3/32"-1'-0" 0 8' 16' 24' 32'



1 BASEMENT FLOOR PLAN - FIRE PROTECTION

FP100 SCALE: 3/32"-1'-0" 0 8' 16' 24' 32'

FIRE PROTECTION SYMBOLS

- EXISTING UPRIGHT SPRINKLER HEADS
- EXISTING PENDANT SPRINKLER HEADS
- NEW UPRIGHT HEADS
- CONCEALED SPRINKLER HEAD (WHITE)
- $\bullet_B$ CONCEALED SPRINKLER HEAD (BLACK)
- RECESSED SPRINKLER HEAD (CHROME)
- $\bullet_D$ DRY TYPE CONCEALED SPRINKLER HEAD (WHITE)
- PENDANT SPRINKLER HEAD (CHROME)
- SIDEWALL SPRINKLER HEAD (WHITE)
- $\odot_D$ DRY TYPE RECESSED SPRINKLER HEAD (CHROME)

FIRE PROTECTION NOTES

1. THIS DRAWING IS FOR REFERENCE PURPOSE ONLY. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE SPRINKLER SYSTEM AND ITS CONFORMANCE TO NFPA 13 AND ANY LOCAL CODE REQUIREMENTS.
2. SPRINKLER CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, COLOR, ELEVATIONS, SOFFITS, DISPLAY WINDOWS, ETC.

FIRE PROTECTION KEYED NOTES

1. PROVIDE SPRINKLER HEAD IN EXISTING VAULT. COORDINATE WITH GENERAL CONTRACTOR FOR PIPE PENETRATION OF VAULT. COORDINATE ELECTRICAL CONTRACTOR AND MECHANICAL CONTRACTOR FOR ALLOCATION OF SPACE IN PENETRATION.
2. EXISTING SPRINKLER HEADS SHALL REMAIN.
3. NO WORK IN SHADED AREAS.
4. PROVIDE ADDITIONAL SPRINKLER HEADS AS REQUIRED FOR MODIFICATIONS TO RESTROOMS. MATCH EXISTING HEADS.

PHILLIPS

URBAN OUTFITTERS

188 MIDDLE STRET
PORTLAND, ME 04101

DESIGN CONSULTANT :
URBAN OUTFITTERS INC.
5000 S. BROAD ST
BUILDING 7
PHILADELPHIA, PA 19112
PH: (215) 454.5500

MEP ENGINEERING
CONSULTANT :
DEVITA & ASSOCIATES
P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

STATE OF MAINE · WILLIAM R. LENKER, JR. · 8014391 · LICENSED PROFESSIONAL ENGINEER

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FIRST FLOOR PLAN

SHEET NO. :
FP100

FIRE PROTECTION SPECIFICATIONS

1. DESIGN / BUILD REQUIREMENTS

1. THE SPRINKLER SUBCONTRACTOR, A LICENSED SUBCONTRACTOR OF THE TENANT'S GENERAL CONTRACTOR (USE ONLY DESIGNATED SPRINKLER SUBCONTRACTOR IF REQUIRED BY LANDLORD) IS REQUIRED TO MODIFY AN EXISTING AND/OR PROVIDE A NEW SYSTEM AS PER THE LATEST NFPA PAMPHLET (PAMPHLET 13) AND THE BUILDING LANDLORD'S INSURANCE UNDERWRITER'S REQUIREMENTS AND OTHER RELEVANT AUTHORITIES' REQUIREMENTS. SPRINKLER CONTRACTOR TO VERIFY WITH BUILDING LANDLORD AS TO THE BASIS FOR DESIGN - OCCUPANCY TYPE AND DENSITY, NORMAL OR HYDRAULIC.

2. THE SYSTEM SHALL BE DESIGNED TO MODIFY AND/OR PROVIDE NEW SPRINKLER HEADS WITHIN THE DEMISED PREMISES.

3. THE SPRINKLER HEAD TYPES TO BE USED IN THIS TENANT SPACE ARE INDICATED ON THE FLOOR PLANS. IF THERE IS A SPECIAL TYPE HEAD REQUIRED BY THE LANDLORD, USE LANDLORD'S SPECIFICATION ONLY.

4. THE SPRINKLER CONTRACTOR SHALL INCLUDE IN HIS SUBMISSIONS FOR APPROVAL BY THE BUILDING DEPARTMENT, LANDLORD AND REVIEW BY THE TENANT'S REPRESENTATIVE, A MINIMUM 1/4" SCALE SPRINKLER LAYOUT. (UTILIZE TENANT'S REFLECTED CEILING PLAN.)

5. THE SPRINKLER SUBCONTRACTOR SHALL OBTAIN ALL APPROVALS FROM APPLICABLE AUTHORITIES FOR THE SPRINKLER SYSTEM.

6. OWNER, TENANT, CLIENT AND LESSEE ARE ALL THE SAME INDIVIDUAL OR COMPANY. THE LANDLORD AND LESSOR IS THE BUILDING LANDLORD AND/OR THE OWNER OR REPRESENTATIVE OF THE OWNER OF THE SPACE. LANDLORD'S ARCHITECT AND CONSTRUCTION REPRESENTATIVE MAY OR MAY NOT BE ONE AND THE SAME; TENANT'S ARCHITECT AND CONSTRUCTION REPRESENTATIVE MAY OR MAY NOT BE ONE AND THE SAME.

7. SINCE SPACE TO BE OCCUPIED WAS WHOLLY OR PARTIALLY ANOTHER TENANT, THE SPRINKLER SUBCONTRACTOR MUST CHECK SITE CONDITIONS TO ANALYZE IF MAINS, BRANCH LINES, SPRINKLER HEADS ETC., ARE TO BE UTILIZED. SUBCONTRACTOR SHALL INCLUDE ALL COST IN BID FOR ALL WORK AND MATERIAL REQUIRED FOR COMPLETE AND FINISHED PROJECT.

8. THIS SYSTEM (NEW OR EXISTING) IS TO BE INSTALLED OR MODIFIED AS TO LAYOUT AND CAPACITY BASED ON TENANT'S FLOOR PLANS, CEILING PLANS, HEIGHTS AND SECTIONS AND THE LATEST NFPA PAMPHLET/STANDARDS GOVERNING THIS USE. SPRINKLER SUBCONTRACTOR TO CHECK WITH LOCAL FIRE AUTHORITIES REGARDING ANY SPECIAL SPRINKLER REQUIREMENTS FOR SIDE WALL CASES (AS APPLICABLE).

9. ALL SPRINKLER HEADS IN ACOUSTICAL SALES AREA CEILINGS TO BE IN CENTER OF TILES.

II. GENERAL REQUIREMENTS

1. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE INSTALLATION FOR FINISHED WORK, TESTED AND READY FOR OPERATION. THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER UNDER THE DIRECTION OF AND TO THE SATISFACTION OF THE BUILDING OWNER AND TENANT'S REPRESENTATIVE.

2. ALL MATERIALS REQUIRED FOR THIS WORK SHALL BE NEW, UNUSED, BEST OF ITS RESPECTIVE KINDS, FREE FROM DEFECTS AND OF FIRST CLASS QUALITY. BASIS OF QUALITY SHALL BE BASED ON THE LATEST STANDARDS OF THE NFPA. PAMPHLET AND OTHER ACCEPTABLE STANDARDS.

3. THE SPRINKLER SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THEIR WORK UNTIL ITS COMPLETION AND FINAL ACCEPTANCE AND SHALL REPLACE ANY OF THE SAME WHICH MAY BE DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE BUILDING OWNER OR TENANT.

4. THE SPRINKLER SUBCONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS INSTALLED BY THEM TO BE FREE FROM INHERENT DEFECTS, SHALL KEEP IN REPAIR AND REPLACE ANY DEFECTIVE MATERIALS AND/OR WORKMANSHIP, FREE OF COST TO THE TENANT OR LESSEE (OWNER) FOR A PERIOD OF ONE (1) YEAR AFTER THE FINAL COMPLETION OF THE WORK.

5. ALL WORK SHALL BE DONE ACCORDING TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND BUILDING LANDLORD/TENANT LEASE CRITERIA (IF APPLICABLE) AND SHALL RECEIVE THE APPROVAL OF ALL AUTHORITIES HAVING JURISDICTION. PREPARE ALL REQUIRED DOCUMENTS, DRAWINGS AND PERFORM ALL REQUIRED TESTS AND PAY ALL REQUIRED CHARGES TO OBTAIN THESE APPROVALS.

6. THIS CONTRACTOR SHALL BE HELD TO HAVE EXAMINED THE SITE FOR THIS WORK AND REVIEWED THE DRAWINGS WITH THE TENANT'S GENERAL CONTRACTOR BEFORE HAVING SUBMITTED A PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.

7. THIS CONTRACTOR MUST PROVIDE TENANT, BUILDING LANDLORD AND TENANT'S CONSTRUCTION REPRESENTATIVES WITH COPIES OF REQUIRED INSURANCE AND COPIES TO BE FURNISHED TO THE OWNER BEFORE COMMENCING WORK.

8. PROVIDE CONTRACTORS NAME TO THE BUILDING OWNER, OWNER AND OWNER'S CONSTRUCTION REPRESENTATIVE FOR THEIR FILES.

III. SCOPE OF WORK

1. FURNISH ALL REQUIRED LABOR, MATERIALS, EQUIPMENT AND CONTRACTORS FOR A COMPLETE, SAFE INSTALLATION OF SPRINKLER WORK IN FULL CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED.

IV. GENERAL ITEMS

1. IF VALVES ARE NOW UTILIZED IN SYSTEM BUT NOT ALLOWED BY LAW, THEY ARE TO BE REMOVED AS REQUIRED.

2. SPRINKLER SUBCONTRACTOR SHOULD VERIFY WITH LANDLORD ANY SPECIAL REQUIREMENTS, HOOKUPS, ALARM SYSTEMS IN PIPING, DRAIN DOWNS PER GENERAL CONTRACTOR'S REQUIREMENTS ETC., AND INCLUDE COST IN BID - ITEMIZE AND SPECIFY INCLUSIONS IN BID.

3. PIPING SHALL NOT BE SUPPORTED FROM DUCTWORK, ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER SPRINKLER PIPING. ONLY HANG FROM TOP FLANGES OF BEAMS AND TOP CHORDS AT PANEL POINTS OF JOISTS AND TRUSSES.

4. TEST: TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS BASED ON CODE OR BUILDING OWNER'S REQUIREMENTS AND IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF BUILDING OWNER (IF REQUIRED) AND OWNER'S REPRESENTATIVE AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED. TEST PIPING PER CODE REQUIREMENTS, BY FILLING WITH AIR UNDER PRESSURE FIRST.

5. STERILIZATION OF SPRINKLER SYSTEM: IF REQUIRED BY LOCAL CODE OR LANDLORD'S CRITERIA, BEFORE SPRINKLER SYSTEM IS PLACED INTO SERVICE. ALL LINES SHALL BE CHLORINATED TO THE SATISFACTION OF REPRESENTATION (AS APPLICABLE) IN ACCORDANCE WITH NFPA. STANDARDS.

6. NOTCHING AND BORING OF STRUCTURAL STEEL MEMBERS IS NOT PERMITTED, WHEN HANGING FROM STRUCTURAL STEEL ONLY HANG FROM TOP FLANGE OF BEAMS AND TOP CHORDS ONLY AT PANEL POINTS OF JOISTS/TRUSSES.

7. SPRINKLER CONTRACTOR TO FILE FOR PERMITS AND SUBMIT PLANS TO BUILDING DEPARTMENT FOR APPROVAL AND SIGN-OFF. ALL BUILDING DEPARTMENT WORK FOR THIS CONTRACTORS SCOPE IS TO BE FILED BY THIS CONTRACTOR.

V. BUILDING LANDLORD'S CRITERIA

1. THE SPRINKLER CONTRACTOR IS TO BECOME FAMILIARIZED WITH BUILDING LANDLORD'S CRITERIA FOR THIS LOCATION (IF APPLICABLE) AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS

2. THE SPRINKLERS MUST BE A FULL-COVERAGE SYSTEM WHICH COMPLIES WITH ALL THE REQUIREMENTS OF NFPA PAMPHLET 13.

3. SPECIAL ATTENTION MUST BE PAID TO SPRINKLER OBSTRUCTIONS INCLUDING STOCK FIXTURES AND VALANCES.

4. THE 200 PSI, TWO-HOUR HYDROSTATIC TEST OF THE SYSTEM IS REQUIRED TO BE WITNESSED BY A REPRESENTATIVE OF THE BUREAU OF FIRE PREVENTION.

5. A COMPLETED, CERTIFIED COPY OF THE "CONTRACTORS MATERIAL AND TEST CERTIFICATE" IS REQUIRED TO BE TURNED INTO THE BUREAU OF FIRE PREVENTION.

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P.O. BOX 1596
GREENVILLE, SC 29602
PH: (864) 232.6642

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WILLIAM R. LENKER, JR.
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