



ON SITE PHARMACY
STREET ADDRESS
CITY, STATE
LOCATION #XXXXX



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Walgreens
 FACILITIES PLANNING, DESIGN, & ENGINEERING
 106 WILMOT ROAD
 DEERFIELD, IL 60015-5105

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANT
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION	BUILDING
NEW <input type="checkbox"/>	NEW <input type="checkbox"/>
REMODELING <input type="checkbox"/>	EXISTING <input type="checkbox"/>
RELOCATION <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHERS <input type="checkbox"/>	

- GENERAL NOTES**
- CONSTRUCTION SITE TO COMPLY WITH NFPA #1 AND #241.
 - ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO BE REPORTED TO WALGREENS FIELD SUPERINTENDENT IMMEDIATELY.
 - ALL MEANS OF EGRESS TO REMAIN IDENTIFIABLE AND OPEN DURING CONSTRUCTION.
 - ALL EXISTING CONDITIONS, DIMENSIONS, AND MATERIALS OF CONSTRUCTION ARE TO BE VERIFIED IN THE FIELD PRIOR TO ANY DEMOLITION WORK OR ANY NEW CONSTRUCTION.
 - ALL CONDITIONS, DIMENSIONS, ROOMS/ SPACES, AND MATERIALS OF CONSTRUCTION INDICATED ON THESE SHEETS/DRAWINGS ARE "EXISTING", UNLESS NOTED OTHERWISE.
 - ALL EXISTING CONDITIONS AND EXISTING CONSTRUCTION TO REMAIN, UNLESS NOTED OTHERWISE.
 - VERIFY ALL EXISTING STRUCTURAL/LOAD-BEARING CONDITIONS PRIOR TO ANY DEMOLITION WORK OR ANY NEW CONSTRUCTION. CONTACT WALGREENS IF ANY DISCREPANCIES EXIST.
 - AREAS OF PROJECT NOT PART OF THIS REMODEL TO BE PROTECTED FROM DUST AND DAMAGE DURING REMODEL.
 - ANY MATERIALS INSTALLED ABOVE CEILING DURING REMODEL SHALL BE NON-COMBUSTIBLE IN ACCORDANCE WITH NFPA 13.
 - IF THE REMODEL CONTAINS AN EXISTING KNOX BOX OR KEY BOX, GENERAL CONTRACTOR IS REQUIRED TO MAINTAIN IT DURING THE ENTIRETY OF THE REMODEL.

PROJECT INFORMATION

APPLICABLE CODES

APPLICABLE BUILDING CODE: (APPLICABLE BUILDING CODE)
 APPLICABLE ZONING CODE: (APPLICABLE ZONING CODE)

SITE CRITERIA

ZONING DESIGNATION: (ZONING DESIGNATION)

BUILDING DESIGN CRITERIA

OCCUPANCY: (OCCUPANCY)
 CLASS OF CONSTRUCTION: (CONSTRUCTION CLASS)
 AUTOMATIC SPRINKLER SYSTEM: (YES, NFPA 13 OR NO)
 EXISTING SQUARE FOOTAGE: (XX,XXX SF)
 ALTERATION SQUARE FOOTAGE: (XX,XXX SF)

TOILET FACILITIES REQUIRED:

MEN'S WASHROOM: (X) WATER CLOSET
 (X) LAVATORY
 (X) URINAL

WOMEN'S WASHROOM (X) WATER CLOSETS
 (X) LAVATORY

OTHERS (X) DRINKING FOUNTAIN
 (X) SERVICE SINK

GENERAL NOTES-FIRE PROTECTION

- ANY FIRE EXTINGUISHERS MOVED DURING CONSTRUCTION ARE TO BE RELOCATED IN ACCORDANCE WITH FIRE MARSHALL'S DIRECTION. SEE SECTION 10522-1, 2.01 A.
- FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM SHALL REMAIN IN SERVICE AT ALL TIMES DURING CONSTRUCTION. WRITTEN AUTHORIZATION FROM LOCAL FIRE DISTRICT WILL BE REQUIRED IF EITHER SYSTEM IS TO BE SHUT DOWN.
- LOCATION OF EXISTING FIRE SPRINKLER HEADS MUST BE VERIFIED IN THE FIELD. MODIFY EXISTING OR INSTALL NEW SPRINKLER HEADS AS REQUIRED AT NEW CONSTRUCTION AREA.
- FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR SPRINKLER PERMIT & SUBMITTALS TO APPROPRIATE FIRE PROTECTION AUTHORITIES.

NO.	DATE	BY	DESCRIPTION

PRINCIPALS

TENANT NAME ADDRESS CITY, STATE PHONE FAX	ARCHITECT NAME ADDRESS CITY, STATE PHONE FAX
PLUMBING ENGINEER NAME ADDRESS CITY, STATE PHONE FAX	HVAC ENGINEER NAME ADDRESS CITY, STATE PHONE FAX
ELECTRICAL ENGINEER NAME ADDRESS CITY, STATE PHONE FAX	STRUCTURAL ENGINEER (IF REQUIRED) NAME ADDRESS CITY, STATE PHONE FAX

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF XXXXXXXX AS SIGNIFIED BY MY HAND AND SEAL.

LOCATION NUMBER XXXXX

PROJECT NAME
 WALGREENS ON SITE PHARMACY CRITERIA

ADDRESS
 CITY, STATE

DRAWING TITLE
 TITLE SHEET AND SITE PLAN

CADD PLOT:	SCALE: AS NOTED	DRAWING NO.
VOID PLOT:	DRAWN BY: M.WELCH	R001
SUPERSEDES PLAN DATED:	DATE: 8.8.12	
REVIEWED BY:		OF DWGS.

SECTION 01010 – SUMMARY OF WORK

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS
 A. The "General Conditions of the Contract for Construction" AIA #A201, latest Edition, Supplementary Conditions and General Requirements apply to the work and all specification sections and all are complementary.
 B. Walgreens On-Site Pharmacy Criteria Specifications are intended to show construction CRITERIA ONLY and to establish the minimum level of quality required by Walgreen Co. to assist the landlord in estimating the cost of an On-Site Pharmacy, and to assist architect/engineer in determining the thoroughness and content of the contract documents, which they are to produce on behalf of the landlord. This set of Criteria Specifications does NOT represent the only documents required for this project. All other architectural, civil, structural, mechanical and electrical engineering for complete construction documents, including specifications shall be provided by the Landlords Architects & Engineers, at Landlords expense. Construction Documents prepared by Landlords Architects & Engineers, Electrical Engineer, Mechanical Engineer and Landscape Architect (if required) of the state where the new Facility is located.
 C. These Criteria Specifications shall not be used for bidding, construction, etc. Walgreen Co. will not be responsible for the extra cost associated with this or any other project which is bid from drawings and specifications which have not been approved by Walgreens.
 D. Complete, code compliant, properly operating construction ready for occupancy shall be provided by the Landlords contractor at the Landlords expense. All work shall conform to requirements of Walgreens On-Site Pharmacy Criteria Documents, the lease, & lease exhibits.
 E. Building Requirements
 1. Materials containing asbestos are prohibited. Construction, demolition or existing debris of any form, regardless of its origin, shall be completely removed from the site and shall be properly disposed of off site.
 2. Vertical Dimensions: Provide a 10'-6" clear height sites floor. Provide 30" minimum clearance above ceiling to bottom of structural system for mechanical, electrical and sprinkler systems.
 3. Utilities: All required utilities shall run underground and connect to building in locations approved by Walgreens. The Landlords contractor shall arrange for all utilities to be brought to the building. The location of all utility meters, transformers, main control valves and access shall be approved by Walgreens.
 4. Seismic Zones: Facilities, including shelving must be designed to comply with all applicable requirements and ordinances of the locale in which they are built. If a municipality requires structural calculations for shelving systems, the Landlord is responsible for contacting [Peter S. Higgins & Associates, 37065 Pacific Coast Highway, Box 117, Malibu, CA 90265, phone (310)569-1781, fax 569-5194]. Mr. Higgins will sub-contract with the Landlord's structural engineer to provide the necessary documentation.
 5. ADA: Comply with all Federal, State, and Municipal requirements.
 F. Walgreens lease requires the construction documents to follow the direction of On-Site Pharmacy Criteria Specifications. A set of Walgreens On-Site Pharmacy Criteria Specifications is to be on the job site for coordination with the construction documents. Walgreens approval is necessary for any deviations.
 G. Construction Documents: All construction drawings and project manuals shall be submitted to Walgreens for REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. A complete set of reproducible black line prints of the approved drawings shall be submitted to Walgreens within 20 working days of Walgreens approval. The approved drawings shall contain all items required by the Criteria Documents unless specifically noted otherwise. Construction commenced prior to Walgreens approval is done at the Landlords risk. Record Drawings: Upon facility opening, provide a complete set of electronic CAD files to the Walgreens Project Architect or Architectural Coordinator.
 H. A set of dwg files in the current AutoCAD format on compact disc (CD) or Digital Versatile Disc (DVD). If the current AutoCAD version is not available, Walgreen will accept a file format back release. Contact Walgreen Project Architect or Architectural Coordinator for access to the password protected website for all current CAD standards, requirements & A/E reference documents to be included in the construction document set.
 I. Walgreens will not accept any field dependent drawings. All drawings must be bound before submitted to Walgreens.
 J. If you are unable to produce a CD in-house, contact your local print shop to produce the contract documents on CD.
 K. If you are unable to produce the minimum standard, please contact the Walgreen Co. Project Architect or Architectural Coordinator.
 L. At some point in the future, Walgreens may wish to use the drawings for an addition to or a remodeling of the building. Should the drawings be reused, all reference to the architect of record and their consultants will be removed from the drawings.
 M. Permits and Certificates: All required permits, special use permits, variances and certificates shall be obtained and paid for by the Landlord / Contractor.
 N. The word "Contractor" as it appears in Walgreens On-Site Pharmacy Criteria Documents refers to the Contractors employed by the Landlord unless noted otherwise.
 O. Contractor shall arrange for, maintain and pay for all temporary utilities until final acceptance by Walgreens.
 P. The word "Landlord" as it appears in Walgreens On-Site Pharmacy Criteria Documents refers to the entity that owns and leases the "leased premises" to Walgreen Co.
 Q. The word "Tenant" as it appears in Walgreens On-Site Pharmacy Criteria Documents refers to Walgreen Co.

1.02 INSURANCE

A. Indemnification Insurance: (Contractor's Expense).
 1. The Landlord's Contractor shall indemnify and hold harmless Walgreen Co. and their agents and employees from & against all claims, damages, losses and expenses including attorney's fees arising out of or resulting from the performance of the work.
 2. In any and all claims against Walgreen Co. or any of their agents or employees by any employees of the Contractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this Specification shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor under worker's compensation acts, disability benefit acts or other employee benefit acts.
 B. Contractor's Liability Insurance: (Contractor's Expense)
 1. Landlord's Contractor shall not insure Walgreen's work without obtaining all insurance hereunder. The insurance shall include Walgreens as an "additional insured". Approval by Walgreen Co. shall not relieve or decrease the liability of the Contractor.
 2. The Contractor shall submit to Walgreen Co., before commencing work, evidence of the above-required insurance, which shall contain certification by the insurance companies that such insurance shall not be canceled or materially changed without 30 days prior notification to Walgreen Co.
 3. Property Insurance: (Landlord's Expense)
 1. Unless otherwise provided, the Landlord shall purchase and maintain property insurance upon the entire work at the site to the full insurable value thereof. This insurance shall include the interests of Walgreen Co. and shall insure against the perils of Fire, Extended Coverage, Vandalism, and Malicious Mischief.
 2. Any insured loss is to be adjusted with Walgreen Co. as trustee for the insured, as their interests may appear subject to the requirements of any applicable mortgage clause.
 3. Walgreen Co. and Contractor waive all rights against each other for damages caused by fire or other perils to the extent covered by insurance provided under this Specification.

1.03 SUPPLEMENTARY CONDITIONS

A. Existing Conditions-Contractor shall examine the project site, all drawings and specifications. If discrepancies or differences exist between drawings, specifications, site conditions, or Walgreens requirements, promptly notify Walgreens' and Architect and Engineer of Record for resolution. No later claims to Walgreen Co. shall be made for extra labor, equipment, or materials, which could have been foreseen by examination of site and project documents.
 B. Code Compliance – The landlord and his architect/engineer are responsible for adherence to any and all codes, including Federal, State, and local codes. Walgreens assumes no responsibility for any differences between these plans and applicable codes and municipal requirements. All work shall be structurally sound and fit for Walgreens intended use. Deviation from Walgreens plans & specifications necessary for compliance shall be reported to Walgreens. All changes are subject to Walgreens approval.
 C. Workmanship and Installation – All work shall be performed by skilled experienced workmen to properly complete the installation for a neat and finished appearance. Walgreen shall decide if the finished work is satisfactory. The contractor shall replace or reinstall any materials or equipment not properly installed or finished in a manner satisfactory to Walgreens, without cost to Walgreens.
 D. On-site Warranty-The contractor warrants that work performed conforms to the Contract Documents and Walgreens On-Site Pharmacy Criteria Documents and is free of any defect in equipment, materials or design furnished or workmanship performed by the Contractor or Subcontractor of any tier. This warranty shall last as long as permitted by the Statute of Limitations or Repose of the State in which the project is constructed, but in no case shall the warranty period be less than one year. Guarantees and Warranties shall commence on the date of possession by Walgreens.
 E. All areas of design and engineering must be certified by, and under the direct supervision of architects and engineers licensed and registered in the state in which the project is located.
 F. Limitation of liability insurance-Neither the architect, the architect's consultants, nor their agents or employees shall be jointly or individually liable to Walgreen Co. in an amount in excess of the currently maintained professional liability insurance coverage carried by the architect or the amount of the volume of the construction and shall not be less than \$1,000,000.00.

1.04 PROJECT COORDINATION

A. Drawing Coordination-All Contractors shall review drawings & specifications of all trades and coordinate their work with others. Corrections of conflicts in documents, or field errors shall be made at no extra cost to Walgreen Co.
 B. Large Equipment-When possible, equipment which is to be installed in the building that may be too large to pass through stairways, doorways, or shafts, shall be brought on the job & placed in the proper space before the enclosing structure is completed, otherwise arrange with other Contractors to permit access at a later date, at no additional cost to Walgreens.

1.05 SUBMITTALS

A. Specific submit requirements for individual units of work are specified in the applicable specification sections. Comply with the requirements specified herein for each type of submital. Walgreens review of submittals in no way limits the obligation of the Landlord, his consultants or contractors from complying w/Walgreens On-Site Pharmacy Criteria Documents, which shall govern.
 B. Environmental / Structural Report
 1. Provide a Phase I Environmental Assessment of the site per ASTM E-1527-00 which includes an asbestos, lead and PCB survey of any existing building. Suspect sites may require a Phase II investigation. All reports shall be certified to Walgreen Co.
 a. Identify all locations of above ground and below ground remediation equipment.
 b. Inspection shall be performed by Bureau Veritas North America, Inc.-Mike Roche at (630)795-3260, Apex Co.-Edna Piccolini at (708)829-9116 or URS Corp.-Stacy McCance at (312)596-7604.
 C. Submit to Walgreen Co. shop drawings, product data and/or samples for items listed below, indicating method of construction, detail layouts, dimensions, diagram, schedules, brochures, color selection charts or chips, and other data as required to fully explain the intended material, and installation to allow selection of color or finishes.
 1. The required submittals are as follows:
 a. Aluminum Entrances.
 b. Plumbing Fixtures & Trim.
 c. Fire Protection Systems.
 d. Packaged Rooftop HVAC Units / VAV Box (when required).
 e. HVAC Load Calculations (Submit with first Check Set).
 f. Lighting Fixtures.
 g. Power Distribution Equipment (Panelboards).
 D. Submittal Preparation
 1. Shop Drawings: Provide two sets of black line prints.
 2. Product Data: Provide two copies of manufacturers standard printed recommendations for application and use, installation coordination, testing, operation and dimensions.
 3. Samples: Provide two samples of appropriate size for visual review of color pattern, texture and find check of coordination of these characteristics with related work. Samples may be used for quality control comparison of the completed installation.
 E. All submittals must receive the Contractors and Architects review and actions markings prior to submission to Walgreens.
 F. See mechanical and electrical specifications for submittal requirements for mechanical and electrical work.
 G. Walgreens shall require copies of all Quality Control test reports. Work that does not conform to the design criteria shall be replaced at no cost to Walgreens.
 H. Specific submittal requirements for individual units of work are specified in the applicable specification sections. Comply with the requirements specified herein for each type of submittal. Walgreens review of submittals in no way limits the obligation of the Landlord, his consultants or contractors from complying with Walgreens On-Site Pharmacy Criteria Documents, which shall govern.

1.06 SUBSTITUTIONS

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A. Material or equipment specified by manufacturers name states Walgreens preference and expected quality and installation. Substitutions are not encouraged except for extreme cases.
 B. All substitutions are subject to Walgreen approval. To be considered, requests for substitutions must include a point by point comparison between the proposed substitute and the specified manufacturer and model. The comparison must confirm that the proposed substitute is equal to or exceeds the quality of the specified products. Incomplete submittals will not be considered.
 C. Requests resulting from failure to allow sufficient time to order and receive material will not be considered.
 D. The contractor shall pay all architect's and consultant fees resulting from the review of substitutions.

1.07 PROJECT CLOSE-OUT
 A. Project closeout refers to certain requirements indicating project completion and that are to be fulfilled prior to final acceptance by Walgreens.
 B. Final Inspection: Upon request from the Contractor, Walgreens personnel will either proceed with inspection or advise the Contractor of unfiled prerequisites. Results of the final inspection will be in the "punch-list" for final acceptance.
 C. Clean-up: Remove all materials regularly. Remove marks, stains, soil, and fingerprints from all completed work including plumbing, electrical, mechanical equipment and all finish surfaces and glass.
 D. Submit final meters readings for utilities and coordinate transfer for future billings with Walgreens Construction Department.
 E. Warranties: Submit required warranties in three ring two inch vinyl binders organized into the appropriate divisions, to Walgreens Construction Department.

SECTION 01011 – ON-SITE PHARMACY REQUIREMENTS

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS

Contact Walgreens for rooms required for each facility. Facility may contain all or some of the rooms listed below. Fixtures and equipment will be provided, furnished and installed by Walgreens, unless noted otherwise. Contractor shall provide all rough-in connections to all plumbing fixtures, electrical and data equipment, unless noted otherwise in section 15050 through 16720.

Demising walls: All walls separating W/S leased premises from another tenant shall be full height extending from floor to structural deck or roof deck above.

A. CONSULTATION ROOM

- Ceiling: Acoustic Ceiling Tiles with lay-in fluorescent light fixtures at 9'-0" A.F.F.
- Floors: Solid Vinyl Plank Flooring
- Walls: Paint over Gypsum wallboard.
- Doors: Section 0800.
- HVAC: Temperature control required.
- N/A
- Plumbing: One standard power receptacle on each wall. Dedicated power for computer equipment and printer.
- Electrical: One drop with 1 CAT 5 cable.
- Telephone & Data: None.
- Sound System: None.
- Lighting: Fluorescent lighting with acrylic lens. Light level shall comply with the IES requirements.
- Other: Contact the On-Site Pharmacy Manager if card access system is required.

B. SALES AREA

- Ceiling: Acoustic Ceiling Tiles with lay-in fluorescent light fixtures at 10'-6" A.F.F.
- Floors: Solid Vinyl flooring.
- Walls: Primer over Gypsum wallboard (GWB) behind shelving. Paint over Gypsum wallboard on all finished walls.
- Doors: Section 0800.
- HVAC: Temperature control.
- Plumbing: N/A
- Electrical: One standard duplex power receptacle on each wall. Provide power for Walgreens.com kiosk, vendor rack, refrigerator and LCD screen.
- Telephone & Data: One drop with 1 CAT 5 cable.
- Sound System: Fluorescent lighting with integral volume control.
- Lighting: Fluorescent lighting with acrylic lens. Light level shall comply with the Illuminating Engineering Society of North America Lighting Handbook (IES) requirements.
- Other: Contact the On-Site Pharmacy Manager if card access system is required. Provide wood grounds at shelving along walls.

C. OFFICE AREA

- Ceiling: Acoustic Ceiling Tiles with lay in fluorescent light fixtures at 10'-6" A.F.F.
- Floors: Carpet tiles.
- Walls: Paint over Gypsum wallboard.
- Doors: Section 0800.
- HVAC: Temperature control.
- Plumbing: N/A
- Electrical: Dedicated power for PC and printer. Two standard duplex receptacles per wall. Provide power & cable drop conduit for the CCTV monitor. Provide power for microwave and refrigerator (equipment provided by W/S).
- Telephone & Data: One drop with 3 CAT 5 cables per workstation. Provide KVM switch(keyboard/video/monitor)
- Sound System: Fluorescent lighting with integral volume control.
- Lighting: Fluorescent lighting with prismatic lens. Lighting level shall comply with the IES requirements.
- Other: Open to Pharmacy area

D. PHARMACY

- Ceiling: Acoustic Ceiling Tiles, non-shedding at 10'-6" A.F.F.
- Floors: Carpet Tile with Cushion Back.
- Walls: Latex enamel paint over Gypsum wallboard. Where the Pharmacy wall is also the demising wall; wire mesh is to be installed the full length & height of the wall from finished floor to deck. 56" wall between Pharmacy and Sales floor to have laminate cap. Section 0800.
- Temperature control with programmable thermostat.
- Sinks: Stainless steel sink. 22"x20"x6" with goose neck spigot and eye wash system.
- Electrical: Dedicated power for computer equipment and printer(s). Two standard power receptacles per workstation. Standard power strip(s) or 4 duplex receptacles at every 8 feet above work counter (at 44" A.F.F.), if applicable.
- One drop with 3 CAT 5 cables per workstation.
- Ceiling mounted speaker with integral volume control.
- Lighting: Fluorescent lighting with prismatic lens. Light level shall comply with the IES requirements.
- Other: Use site specific drawing from Walgreens FP&E for quantity of workstations and equipment list.

E. STORAGE ROOM

- Ceiling: Open to structure (Minimum of 12'-0").
- Floors: Carpet tile.
- Walls: Paint over Gypsum wallboard.
- Section 0800.
- HVAC: Temperature control.
- Plumbing: N/A
- Electrical: General purpose receptacle. Panelboard to be located outside this room.
- Telephone & Data: None.
- Sound System: None.
- Lighting: Fluorescent lighting. Light level shall comply with the IES requirements.

1.02 LOSS PREVENTION REQUIREMENTS

- Alarm and CCTV Systems will be provided and installed by Walgreens.
- A basic Water-Fire-Camera CCTV system is recommended for all On-Site Pharmacies.
- 1. Head End equipment should be located with other computer equipment.
- 2. The monitor should be located in the office.
- 3. One of the four cameras should be placed outside to monitor the door where after hour entry is needed.
- 4. Remaining cameras should be visible for deterrence.
- 5. One camera should be in the Pharmacy.
- 6. The local Loss Prevention Specialist (LPS) will recommend camera placement based on blueprints or a site visit.
- Provide an Ademco burglar alarm system. Off-hours monitoring to be performed by Walgreens. The local LPS can provide a list of providers. A certified AWS Weld Inspector shall inspect 100% of welded manual connections. Manually torque test 10% of all bolted connections to verify correct tightness.
- A card access system: Verify with On-Site Pharmacy Manager.
- Door(s) used for after hours access are to be well lit as a safeguard to those employees who are entering / exiting the building.

SECTION 05120 – STRUCTURAL METAL FRAMING

PART 1 – GENERAL

1.01 DESCRIPTION

A. The work includes but is not limited to structural steel, steel studs, and miscellaneous fabrications.
 B. Miscellaneous Fabrications include but are not limited to rollings, ladders, and roof opening frame.

1.02 QUALITY ASSURANCE

- A. Comply with AISC "Code of Standard Practice for Steel Buildings and Bridges", latest edition. AWS D11 "Structural Welding Code".
- B. Comply with AISI "Specification for the Design of Cold-Formed Structural Members".
- C. Comply with requirements of architect of record.
- D. A field alteration of structural steel is not allowed without written approval of the Structural Engineer of Record.
- E. Quality Control Testing: A certified AWS Weld Inspector shall inspect 100% of welded manual connections. Manually torque test 10% of all bolted connections to verify correct tightness.

1.03 SUBMITTALS

A. Submit shop drawings to architect of record.

PART II – PRODUCTS

- 2.01 MATERIALS
 A. Structural Steel Shapes, Plates, Bars: ASTM A36.
 B. Steel Pipe: ASTM A53, Type E or S, grade B.
 C. Steel Tubing: Cold Formed ASTM A501, grade B, hot-formed ASTM A501.
 D. Anchor bolts & fasteners, ASTM A 320 as required by engineer of record. ASTM A307 anchor bolts are acceptable in non-tension applications.
 E. Primer: Fabricators standard rust inhibiting primer.
 F. Steel studs and C joists, ASTM A663 structural quality, grade 33.

PART III – EXECUTION

- 3.01 ERECTION
 A. Set frames accurately to lines & elevations indicated. Level & plumb individual members within AISC tolerances. Comply with AISC specifications for bearing, alignment and setting.
 B. Touch-up paint all exposed and/or abraded areas after erection.
 C. Welds of all metal fabrications shall be ground smooth and prepared for final painting.
 D. All structural steel encased in concrete, masonry or in contact with earth shall be painted with bituminous paint.

SECTION 06100 – CARPENTRY

PART 1 – GENERAL

1.01 DESCRIPTION
 A. The work includes but is not limited to rough carpentry, finish carpentry and casework.
 1.02 QUALITY ASSURANCE
 A. Casework: Comply with Architectural Woodwork Institute "Architectural Woodwork Quality Standards" latest edition, section 400 as applicable, custom grade.
 1.03 SUBMITTALS
 A. Casework: submit shop drawings to architect of record. Consult drawing provided from Walgreens FP&E for equipment provided and installed by Walgreens.
 B. Fire Retardant Treatment for Wood: Submit to architect of record and Walgreens; manufacturer, name of process and warranty terms.

PART II – PRODUCTS

- 2.01 LUMBER
 A. Comply with PS 20 "American Softwood Lumber Standard".
 B. Factory mark each piece of lumber with grade stamp evidencing compliance with grading rules and moisture content.
 C. Dress lumber; dressed S&S.
 D. Provide lumber with 19% moisture content at time of dressing.
 E. Provide grade and species as required by the architect of record.
 F. Provide treated lumber for exterior framing and as required by local codes.

2.02 SHEATHING & PANELS

A. Plywood backing for telephone / electrical, APA C-D plugged – in with exterior glue 3/4" minimum thickness, install with "C" face exposed.

2.03 WOOD TREATMENT

- A. Preservation Treatment: Comply with applicable standards of AWPAC C2 (lumber) and C9 (plywood) and AWPB listed below.
 1. Pressure-treat above ground items with water-borne preservatives complying with AWPB LP-2. After treatment, kiln-dry lumber and plywood to a maximum moisture content, respectively, of 19% and 15%.
 2. Pressure-treat ground or water contacting members complying with AWPB LP-22.
 B. Fire Retardant Treatment: Comply with AWPAC C-27 as applicable. Process shall not promote premature degradation of wood products in the conditions in which fire-treated lumber/panels will be installed.
 1. Provide materials with maximum moisture content, after treatment, of 15% or less.
 2. Manufacturer: Provide "Dicon FRIT", with current warranty.

2.04 PLASTIC LAMINATE FABRICATIONS

- A. All fabrications to be self edged with plastic laminate.
- B. Countertops and sills: Comply with AW standard 400, custom grade.
- C. Plastic Laminate: 1/16" thick materials.
 1. Color: Wilsonart #2970 "White Leather".

2.05 MISCELLANEOUS

- A. Caset/Storage Shelving: Comply with AW 600, custom grade, paint finish.
- B. Miscellaneous wood trim: Comply with AW 300, custom grade, paint finish.
- C. Harbardo: Opaque, grade II, tempered smooth one side, 1/4" thick.

PART III – EXECUTION

- 3.01 GENERAL
 A. Securely and properly support and anchor all work to accurate fit, lines, level, and plumb without distortion.
 B. Install fire-retardant treated materials in environments and with proper ventilation to prevent degradation of wood materials.
 C. Condition woodwork / casework to average prevailing humidity conditions in installation area prior to installing.

SECTION 07200 – INSULATION

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Insulation work includes:
 1. Board-type wall insulation, concealed.
 2. Sound attenuating blankets: FS FH--521 Type I; semi-rigid mineral fiber blankets, Class 25 flame spread, full thickness of stud.

1.02 QUALITY ASSURANCE

A. Comply w/ code required fire-resistance, flammability & insurance ratings.

PART II – PRODUCTS

2.01 MATERIALS

- A. Bead board insulation is not acceptable.
- B. Extruded Polystyrene Board Insulation: Rigid, closed-cell, board complying with ASTM C-578 Type IV, minimum of 0.20, 0.3% maximum water density 1.6 lb/cu. ft. with the following properties:
 1. Compressive Strength: 25-psi minimum.
 2. Thermal Resistance: 5 year aged R-values of 5.4 and 5.0 min. T-flt-h Btu/inch at 40F and 75F respectively (ASTM C 518).
 3. Water Absorption: max 0.1% by volume (ASTM C 272)
 4. Water Vapor Permeance: 1.1 perm-inch max
 5. Flame Spread: 5 (ASTM E 84)
 6. Smoke Developed: 45 to 165 (ASTM E 84)
 7. Size: Manufacturer's standard lengths and widths.
 C. Glass Fiber Batt Insulation: Inorganic (non asbestos) fibers formed into semi-rigid batts; ASTM C 665, Type III, Class A, with reflective foil faced vapor barrier, water vapor permeance 0.05 perms per ASTM E 96, water absorption, 0.5% max by volume, R-value 11.
 * Flame-Spread Rating: Provide rating of 25, ASTM E 84.
 * Fire-Resistance Ratings: Where units are included in rated wall/ceiling/floor construction, provide mineral wool units, which have been tested and rated as required for the indicated assembly.

PART III – EXECUTION

3.01 INSTALLATION

- A. Extend insulation full thickness over entire area to be insulated. Cut and fit tightly around obstructions.
- B. Set vapor barrier faced units with vapor barrier to warm side of construction, except as otherwise shown. Do not obstruct ventilation spaces, except for freestopping.
- C. Rigid board insulation shall be installed only in concealed location.

3.02 VAPOR RETARDERS

- A. Extend vapor retarders to extremities of areas to be protected. Secure in place. Extend vapor barriers to cover miscellaneous voids in insulated substrates.
- B. Repair punctures and tears in vapor retarders before concealment by other work.

SECTION 08000 – DOORS

PART 1 – GENERAL

- 1.01 GENERAL REQUIREMENTS
 A. Door Schedule
 B. Door elevations and hardware placement
 C. Hardware schedule
 D. Construction requirements

PART II – PRODUCTS

2.01 See sections 8100 thru 8700 as applicable based on individual projects.

PART III – EXECUTION

3.01 Door Schedule

SECTION 08100 – METAL DOORS AND FRAMES

PART 1 – GENERAL

If tenant standards are not in place, the following section will apply. Retrofit hardware, as needed to match Walgreens specification.

1.01 QUALITY ASSURANCE

- A. Provide doors and frames complying with Steel Door Institute "Recommended Specifications Standard Steel Doors and Frames" SDI-100.
 B. Fire Rated Door Assemblies: Provide assemblies complying with NFPA 80 and labeled in accordance with ASTM E 2074-00. Comply with UL 10C Positive Pressure Fire Tests of Door Assemblies.

PART II – PRODUCTS

- 2.01 ACCEPTABLE MANUFACTURERS
 A. Subject to compliance with requirements, provide steel doors and frames by one of the following:
 Arneweld / Div. American Welding & Mfg. Co.
 Ceco Corp.
 Curries
 Mesker Industries, Inc.
 Steelcraft/Div. American Standard Co.

2.02 MATERIALS

- A. Hot-Rolled Steel Sheets and Strip: Commercial quality carbon steel, pickled and oiled, complying with ASTM A 1011.
- B. Cold-Rolled Steel Sheets: Commercial quality carbon steel, complying with ASTM A1008.

- C. Galvanized Steel Sheets: Zinc-coated carbon steel sheets, complying with ASTM A653, G60 zinc coating, mill phosphatized.
- D. Supports and Anchors: Fabricate of not less than 18-gauge galvanized sheet steel.
- E. Inserts, Bolts, and Fasteners: Manufacturer's standard units, except hot-dip galvanize items to be built into exterior walls, complying with ASTM A 153, Class C or D as applicable.

2.03 SHOP APPLIED PAINT

A. Primer: Rust-inhibitive enamel or paint, either air-drying or baking, suitable as a base for specified finish paints.

2.04 FABRICATION

- A. Comply with SDI-100 requirements as follows:
 1. Interior Doors: SDI-100, Grade II, heavy-duty, Model 1, minimum 18-gauge faces, 1-3/4" thick.
 2. Exterior Doors: SDI-100, Grade II, extra heavy-duty Model 2, minimum 16-gauge faces, 1-3/4" thick.
 B. Fabricate exposed faces of doors from only cold-rolled steel.
 C. Fabricate frames with 12-gauge concealed stiffeners, reinforcement, edge channels, louvers, and moldings from either cold-rolled or hot-rolled steel (at fabricator's option). Factory weld all joints. Field welding / fabrication is prohibited.
 D. Fabricate exterior doors, panels, and frames from galvanized sheet steel. Case top and bottom edges of exterior doors as integral part of door construction or by addition of minimum 16-gauge inverted steel channels.
 E. Exposed Fasteners: Unless otherwise indicated, provide countersunk flat Phillips heads for exposed screws and bolts.
 F. At exterior locations provide thermal insulating door and frame assemblies, tested in accordance with ASTM A 1363.
 G. Provide assemblies with U factor of 0.41 BTU/hr. Ft. squared/deg/F or better.
 H. Finish Hardware Preparation: Doors and frames to receive mortised and concealed finish hardware. Comply with applicable requirements of ANSI A115 series specifications.

2.05 STANDARD STEEL FRAMES

- A. Provide metal frames for doors, of types and styles as shown on drawings. Conceal fastenings, unless otherwise indicated.
 Exterior doorframes shall be minimum 16-gauge cold-rolled furniture steel.
 Interior doorframes shall be minimum 18-gauge cold-rolled furniture steel.
 Fabricate frames with mitered corners. Welded full depth and face of frame. K-D (Knock-Down) and Slip-On Frames are prohibited.
 Form exterior frames of hot-dip galvanized steel.
 B. Door Silencers: Except on weather-stripped frames, drill stops to receive 3 silencers on strike jambs.

PART III – EXECUTION

- 3.01 INSTALLATION



FACILITIES PLANNING, DESIGN, & ENGINEERING
106 WILMOT ROAD
DEERFIELD, IL 60015-5105

PROJECT TYPE	
DRAWINGS/SPECIFICATIONS BY:	
<input type="checkbox"/> WALGREENS' CONSULTANT <input type="checkbox"/> LANDLORD'S CONSULTANT	
ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:	
<input type="checkbox"/> WALGREENS' CONTRACTOR <input type="checkbox"/> LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)	
LOCATION	BUILDING
NEW <input type="checkbox"/>	NEW <input type="checkbox"/>
REMODELING <input type="checkbox"/>	EXISTING <input type="checkbox"/>
RELOCATION <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHERS <input type="checkbox"/>	

SECTION 08300 — SPECIAL DOORS (when required)

PART 1 — GENERAL

If tenant standards are not in place the following section will apply. Retrofit hardware as needed to meet Walgreens Specifications.

1.01 DESCRIPTION

A. Work includes interior motorized rolling overhead grille, access panels, etc.

1.02 QUALITY ASSURANCE

A. Provide a complete properly operating installation for each type of special door including all hardware, mounting and installation components.

B. Fabricate rolling grille to permit:

- Emergency exiting from interior during power failure & when grille is closed.
- Manual lifting for emergency entry upon operation of a secure exterior mounted release device in the event of a power failure.

C. Fire Rated Assemblies (when required): comply with NFPA 80 and provide UL label confirming compliance with ASTM E-2074 including automatic dosing in event of fire.

D. Any deviation from Walgreens required finishes, colors, etc., must be approved by Walgreens and fully coordinated with all similar and related systems.

1.03 SUBMITTALS

A. Submit manufacturer product data and shop drawings (except access panels).

PART II — PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS (rolling grilles)

A. Subject to compliance with requirements, provide products of one of the following:

AlumaTek, Inc.	The Cookson Company
Cornel Iron Works	Overhead Door Corp.

2.02 MATERIALS

A. Grille Curtain: A network of 5/16" minimum diameter horizontal rods spaced approximately 2" o.c. Interconnect rods by vertical links approximately 5/8" wide, spaced approximately 9" apart and rotating on the rods in a straight pattern.

- Aluminum Grilles: ASTM B 221, with clear, satin anodized finish.
- End Locks (Rolling Grille): Continuous end links or other devices at ends of rods, locking and retaining grille curtain in guides against excessive pressure, maintaining curtain alignment and preventing lateral movement.
- Bottom Bar (Rolling Grille): Manufacturer's standard extruded shape w/clear anodized finish.
- Curtain Jamb Guides: Fabricate of steel angles, or channels. Built-up units with minimum 3/8" thick steel sections, galvanized after fabrication. Set bolt holes for track adjustment.
- Secure continuous wall angle to wall framing by 3/8" minimum bolts at not more than 30" o.c., unless closer spacing recommended by door manufacturer. Extend wall angles above door opening head to support coil brackets. Place anchor bolts on exterior wall guides so they are concealed when door is in closed position. Provide movable stops on guides to prevent over-travel of curtain, and continuous bar for holding windows.
- Guide (Rolling Grille): Manufacturer's standard extruded aluminum shape, clear anodized finish, having curtain groove with return lips or bars to retain curtain. Furnish pile strips, rigid vinyl liner, or other nonmetallic inserts to prevent metal-to-metal contact and minimize noise of travel.

2.03 COUNTERBALANCING MECHANISM

A. Counterbalance: Provide adjustable steel helical torsion spring, mounted around a steel shaft and mounted in a spring barrel and connected to door curtain. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.

B. Hood: Entirely endwise coiled curtain and operating mechanism, including chain gear assembly at opening head. Provide a weather seal to prevent airflow, insects, etc., from entering hood. Contour to suit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Provide closed ends for surface-mounted hoods, and any portion of between-jamb mounting projecting beyond wall face.

- Fabricate steel hoods for doors of not less than 24 gage hot-dip galvanized steel sheet with G 90-zinc coating, complying with ASTM A653. Phosphate treat before fabrication.
- Fabricate hoods for aluminum grilles of alloy 3003 aluminum sheet not less than 0.032" thick, finished to match curtain.
- Furnish removable metal soffit when hood is mounted above ceiling, of same material and finish as curtain.

2.04 OPERATORS

A. Chain Hoist Operator: Provide endless steel manual chain hoist operator, chain pocket wheel and guard, and geared reduction unit with maximum 35 lbs. pull for door operation. Provide self-locking mechanism allowing curtain to be stopped at any point in its travel and to remain in position until reactivated. Furnish chain holder secured to operator guide.

- Provide 1/2" minimum thickness, heavy duty slide bolt for padlock at inside bottom bar.

B. Manual Push-Up Operator: Required lift or pull for door operation shall not exceed 25 lbs. Curtain shall be easily stopped at any point in its travel and remain in position until reactivated.

- Provide lifting handle & slide bolt with cylinder lock on bottom bar.

C. Electric Grille Operator: By grille manufacturer, complete with electric motor and factory-prewired motor controls, gear reduction unit, self-coded operate brake, remote control stations, and control devices.

Provide hand-operated disconnect or mechanism for automatically engaging a sprocket and chain operator and releasing brake for emergency manual operation. Mount disconnect and operator at 48" above finish floor. Include an interlock device to automatically prevent motor from operating when emergency operator is engaged. Provide "Power-Out Entry Terminal" (P.E.T.) by Storefront Security Co., Inc. 1-800-767-3667.

- Key stations: One (1) exterior type, secure tamper-proof, recessed mounted, heavy duty, weatherproof, constant contact OPEN/CLOSE with spring return to center, NEMA Type 4, key switch.
- One (1) interior, flush mounted, constant contact OPEN/CLOSE with spring return to center, NEMA Type 4, key switch.
- Automatic Reverse Control: Furnish and install when required by authorities having jurisdiction. Provide units with electricity or pneumatically actuated automatic bottom bars. Only provide units with heavy duty retracting reels, which conceal cord/tube from view when grille is opened.

2.05 ACCESS PANELS

A. Provide 24" x 36" doors, with 16 Ga. frames, 14 Ga. doors, continuous concealed hinges, cylinder lock with two keys and prime painted finish unless noted otherwise. Provide fire rated units when required by local authorities.

B. Acceptable Manufacturers: Audor; model UF-5000, FW-5050 (fire-rated), Babcock-Davis; Gerro Products model: B-NT, B-TT (fire rated); J.L. Industries, Inc.; model TM, model FD (fire rated); Karp Assoc., Inc.; model DSC-214M, KR-150 FR (fire rated); Larson's Manufacturing Co.; model L-MFG, L-FRFP (fire rated); Micor; style M, LFR (fire rated); Mifab Manufacturing; style UA, MFRR (fire rated).

PART III — EXECUTION

3.01 PREPARATION

A. Field Measurement: Take field measurements to preparation of shop drawings and fabrication, to ensure proper fitting of work.

3.02 INSTALLATION

A. Install grilles and operating equipment complete with necessary hardware, in accordance with final shop drawings, and manufacturer's instructions.

B. Set units plumb, level and true to line, without warp or rack of frames or doors. Anchor securely in place. Separate aluminum and other corrosion metal surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

C. Install complete door operator system in accordance with manufacturer's instructions, including piping (if any), controls, control wiring, and remote power units (if any).

D. Upon project completion lubricate, test and adjust doors/grilles to operate easily, free from wrap, twist or distortion.

3.03 ADJUST AND CLEAN

A. Adjust operating devices and hardware to function properly, without binding, and to provide tight fit at contact points and weather-stripping.

B. Clean aluminum surface and glass promptly after installation. Remove excess glazing and sealant compounds, dirt and other substances.

C. Remove labels and wash glass on both faces prior to final acceptance, as directed by Walgreens.

SECTION 08450 — ALUMINUM STOREFRONTS

PART 1 — GENERAL

1.01 DESCRIPTION

A. Aluminum storefronts include the following:

- Storefront framing systems.
- Interior storefront systems.

1.02 SYSTEM PERFORMANCE

A. General: Provide storefront assemblies that have been designed and fabricated to comply with references listed below.

- AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA) 101: Appendix Dissimilar Materials
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI): ANSI Z97.1: Safety Glazing Materials Used in Buildings — Methods of Test
- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) B221: Aluminum-Alloy Extruded Bars, Rods, Shapes and Tubes.
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101: Code for Safety to Life from Fire in Buildings & Structures.
- THE ALUMINUM ASSOCIATION (AA) Aluminum Finishes Manual.

1.03 QUALITY ASSURANCE

A. Each type of system is based on one manufacturer system respectively. Acceptable alternate manufacturers are listed but must conform in every way to the base system.

1. Any deviation from Walgreens required finishes, colors, etc., must be approved by Walgreens and fully

coordinated with all similar and related systems.

B. Entrances used as an exitway shall comply with A.D.A. requirements.

1.04 SUBMITTALS

A. Submit all shop drawings showing lay-out, profiles, product components including anchorage, accessories, finish and glazing detail (where required).

B. Submit manufacturer's complete product and installation data.

PART II — PRODUCTS

2.01 ACCEPTABLE STOREFRONT MANUFACTURER

A. Interior Manual Sliding Storefront Systems (base system): Horton Automatics; Proffer-IQU, type 110 bipart, 1/4" tempered glass.
Color: Clear Anodized, AA-MI2C22 A31, Class II Anodized coating. If hospital standards are in place, match hospital standards.

B. Alternate Storefront Manufacturers:

- Kawner
- United States Aluminum Corp.
- Vistawall Architectural Products.

2.02 EQUIPMENT

A. MANUFACTURED DOOR UNITS: Shall include header with track, jams, sliding door panel(s), transom(s), and sidelite(s). Units can be mounted within rough opening with sliding panel(s) sliding along sidelite.

- Type 110: Sliding panel(s) shall slide along exterior side.
- HEADER: Shall be aluminum with removable face plate. Optional transom of size and type indicated mounted on header. Header sizes to be:
 - 4" (102mm) deep by 2 1/2" (63mm) high for Types 010, 110 and 310.
- HEADER TRACK: Shall be aluminum nylon covered and replaceable. Telescoping doors will have two separate tracks for sliding panels to travel. Rollers will be steel, high quality ball bearing wheels 1-1/2" (32mm) diameter. Anti-Derailing shall be accomplished by means of a continuous aluminum extrusion full length of slid panel travel.
- SLIDING PANEL(S) AND SIDELITE(S): Shall be aluminum, 1-3/4" (44mm) deep with narrow stile construction. Weather-stripping to be along vertical rails of sliding panel(s). Concealed guides to stabilize bottom of sliding panel. Standard glazing prep to be for 1/4" (6mm) glass.

1. Total weight limit per panel shall be: 200 lbs. (90.7 kg) for side panel (non-breakout)

JAMBS/FRAME: Shall be aluminum. Jamb dimensions to be: 1-1/2" (44mm) deep X 4" (102 mm) wide for Types 010, 110 & 310.

HARDWARE: A recessed pull shall be provided on each side of the sliding panel. Provide standard locking hardware. Option: Positive latching shall be provided as follows:

- Type 110: The slide-swing panel shall be provided with positive latch that will latch this panel in place when closed. A lever handle shall be provided on each side of the sliding panel to unlock the door.

2.03 MATERIALS, FINISHES AND FABRICATION

A. EXTRUDED ALUMINUM: ASTM B221, 6063-T5 alloy and temper, anodized:

- Structural Header Sections: Minimum 3/16" (5mm) thickness.
- Structural Frame Sections: Minimum 1/8" (3mm) thickness.
- Structural Panel Sections: Commercial grade.

B. FINISHES (for all exposed aluminum surfaces): shall be one of the following:

- 204-FR Clear Arch. Class 2 Clear Anodized Coating, AA-MI2C22A31.
- Special Paint Coating. Color as selected.

C. PANEL CONSTRUCTION

- Corner block type with 3/16" steel back up plate construction, mechanically secured with minimum of four hardened steel screws. Sash consists of snap-in glass stops, snap-in glazing beads and vinyl gaskets.
- Slide-swing doors to be supplied with adjustable glass setting block to allow for adjusting of door to meet site conditions eliminating the need for additional shims.
- FRAME CONSTRUCTION: Butt joints, mechanically secured by means of screws & formed aluminum brackets.

PART III — EXECUTION

3.01 PREPARATION

A. Field Measurement: Take field measurements prior to preparation of shop drawings and fabrication, to ensure proper fitting of work.

1. Contractor shall provide rough opening to receive Walgreens standard size sliding entrance doors. See drawings. Walgreens Project Architect must approve non-standard sizes in writing.

3.02 INSTALLATION

A. Comply with manufacturer's specifications and recommendations.

B. Set units plumb, level and true to line, without warp or rack of frames or doors. Anchor securely in place. Separate aluminum and other corrosion metal surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

C. Set sill members in a bed of sealant or with joint fillers or gaskets to provide weathertight construction.

D. Glass and Glazing: See Section 08800.

E. Guide rails to be set in core holes and grouted in place.

3.03 ADJUST AND CLEAN

A. CLEANING: After installation, installer to take following steps.

- Adjust operating devices and hardware to function properly, without binding, and to provide tight fit at contact points and weather-stripping.
- Clean aluminum surfaces promptly after installation. Remove excess glazing and sealant compounds, dirt and other substances.

SECTION 08700 — FINISH HARDWARE

PART 1 — GENERAL

If tenant standards are not in place the following section will apply. Retrofit hardware as needed to meet Walgreens Specifications.

1.01 DESCRIPTION

A. The extent of finish hardware required is shown on drawings and schedules.

B. Types of required hardware:

Butt Hinges	
Door Pulls and Push Plates	
Locks, Latch Sets and Rim Cylinders	
Keyless Combination Lock	
Vertical Rod Assembly	
Security Panic Bar	
Closers	
Wall and Floor Bumpers	
Slenors	
Thresholds, Sweeps	
Weather-stripping	
One-Way Viewer	
Door Protection and Kick Plates	

1.02 QUALITY ASSURANCE

A. Obtain each type of hardware from a single manufacturer.

B. Hardware supplier shall have warehousing facilities and shall have been furnishing finish hardware for not less than three years.

C. Fire-Rated Openings: Provide hardware complying with NFPA 80 and local codes and ordinances. Furnish units with "UL" or "TM" labels as required.

D. Accessibility: Provide hardware complying with the requirements of the "Americans With Disabilities Act (ADA)".

E. Discrepancies: Furnish proper types, finishes, fasteners, and quantities based on codes, requirements, etc. in effect at time of installation.

1.03 SUBMITTALS

A. Hardware Schedule: Find hardware schedule fully coordinated with other work, frames and operation. Indicate type, style, function, finish, fastening location and manufacturer for each hardware item.

B. Templates: Furnish templates to each fabricator of doors, frames, and work factory prepared to receive hardware.

PART II PRODUCTS

2.01 SCHEDULED HARDWARE

A. Requirements for design, grade, function, finish, size, etc. are indicated on the Hardware Schedule.

B. Manufacturers: Provide hardware from manufacturers listed in the Hardware Schedule (on drawings) or the comparable products of the alternate manufacturers listed below:

Item:	Alternate Manufacturers:
Butt Hinges:	Hager, McKinney
Door Pulls & Push Plates:	Hager, Rockwood
Lock Sets, Latch Sets	Hager, Sargent, Yale
Rim Cylinders:	Arrow, Sargent, Yale
Keyless Combination Locks:	None
Alarm Locks:	None
Vertical Rod Assemblies:	None
Security Panic Bar:	None
Closers:	LOI, Yale, Sargent
Wall / Floor Bumpers:	Hager, Rockwood
Slenors:	Hager, Rockwood
Thresholds, Sweeps:	National Guard, Periko
Weather-stripping:	Perinco, Reese, Zero
One-Way Viewer:	Rockwood, Stanley
Door Protection & Kick Plates:	Hager

2.02 MATERIALS & FABRICATION

A. Hand of Door: Drawings show swing of each door leaf. Furnish each hardware item for proper installation and

operation of door movement.

B. Manufacturers Nameplates: Shall not be visible except for required UL labels.

C. Fasteners: Conform to templates, prepared for machine screw installation. Provide Phillips flat-head screws (unless noted otherwise), finish to match hardware. Provide concealed fasteners when available. Do not use exposed thru-bolts (unless noted otherwise). Thru-bolts allowed at Sur-Lock and SecurTech hardware.

2.03 HINGES

A. Screws: Phillips flat-head machine screws except furnish Phillips flat-head wood screws for installation into wood. Screw finish to match hinge.

B. Hinge Pins: Exterior doors and Pharmacy doors, non-removable pins with security stud. All other interior doors, non-rising pins (unless noted otherwise).

2.04 LOCK CYLINDERS & KEYING

A. Keying: Locks shall not be master keyed. Provide keying as indicated on the Hardware Schedule on drawings.

2.05 LOCKS, LATCHES, BOLTS

A. Strikes: Provide manufacturers standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set.

B. Lock Throw: Provide 5/8" minimum. Comply with UL for rated doors.

2.06 PUSH / PULL UNITS

A. Provide manufacturers standard exposed fasteners.

2.07 CLOSERS

A. Comply with manufacturers recommendations for closer size, door size, exposure and use. Thru-bolt fasteners shall be used only at interior wood doors.

B. Access-free doors: Where installation must be handicapped accessible, comply with ADA regarding opening force and delayed action.

2.08 DOOR TRIM UNITS

A. Protection Plates and Kick Plates: Stainless steel (US 320 finish), 20 ga., fabricated to dimensions indicated on Hardware Schedule. Provide protection plates with overlapping wrap around door edges. Mount with manufacturers standard exposed fasteners.

2.09 WEATHERSTRIPPING

A. Jamb's & heads: Continuous extruded aluminum walls and flanges with bumper type, replaceable, flexible bulb w/loop vinyl insert.

B. Door sweep: Extruded aluminum with loop type replaceable rubber insert.

2.10 SECURITY PANIC BAR

A. See Hardware Schedule for model numbers. For Surlock, contact Locknet, Michelle Cooper (800-887-4307 ext. 123). For SecurTech, contact Marc Kapelus at Kaplos Security (800-548-7486).

2.11 KEYLESS COMBINATION LOCKS

A. Combination Lockset with service key override: Trilogy DL2700 by Alarm Lock, (1-800-252-5625) or Marks IQU/26MT, by Marks, U.S.A. (1-800-526-0233).

PART III — EXECUTION

3.01 INSTALLATION

A. Mounting height for devices required for accessible door passage, including, but not limited to lever handles, knobs, pushplates, pull handles, alarm locks, cylinder locks etc. shall not exceed 48" above finish floor (a.f.f.) or as required to comply with Americans With Disabilities Act. Unless required otherwise by code, mount hardware as noted in detail on A611.

B. Set units plumb, true to line and location, attached as required for proper operation.

C. Set thresholds and exterior doors in a full bed of butyl rubber or polyisobutylene sealant.

3.02 ADJUST AND CLEAN

A. Replace units which cannot be adjusted for proper operation.

B. Final adjustment must occur within one week of occupancy by tenant.

SECTION 08800 — GLASS AND GLAZING

PART 1 — GENERAL

1.01 DESCRIPTION

A. Glass and glazing work includes:

- Entrance glazing, not indicated as pre-glazed.
- Interior laminated glass.

1.02 SYSTEM PERFORMANCE

A. Provide glass and glazing that will withstand normal temperature changes, wind loading, impact loading, etc. without breakage of glass, failure of seals and loss of air-tightness and water-tightness.

B. See other Division 8 Sections for related performance requirements.

1.03 DEFINITIONS

A. Sealed insulation glass unit surfaces:

- Side 1 — Exterior surface of outer pane.
- Side 2 — Interior surface of outer pane (facing airspace).
- Side 3 — Interior surface of inner pane (facing airspace).
- Side 4 — Exterior surface of inner pane.

1.04 QUALITY ASSURANCE

A. Comply with recommendations of the Flat Glass Marketing Association "Glazing Manual" and "Sealant Manual".

B. Comply with Insulated Glass Manufacturer's Association (IGMA) #65-7-2.

C. Comply with ASTM C 1036 or ASTM C 1048 (tempered), ASTM C 1172 (laminated glass) and CPSC 16 CFR Part 1201 (safety glazing).

D. Warranty: Provide written warranty covering manufacturing defects, signed by the manufacturer, for the periods stated below after substantial completion.

- Floot Glass: Manufacturers standard five-year minimum period.
- Laminated Glass: Manufacturers standard, four-year minimum period.

PART II — PRODUCTS

2.01 MANUFACTURERS

A. Subject to compliance with requirements, provide products by:

- Zeleadye Glass Products
- Pilkington Building Products
- Saflex
- PPG Industries, Glass Group
- Guardian Industries Corp.
- Virocon Inc.

2.02 GLASS PRODUCTS — GENERAL

A. Provide Primary glass complying with FS DD-G-451 and Heat-Treated glass complying with FS DD-G-1403.

B. Fabricate to sizes and thickness recommended by glass manufacturers for application indicated.

2.03 GLASS PRODUCTS

A. Clear Uncoated Floot Glass: Annealed, Type 1, Class 1 (transparent), quality q3 (glazing select), and nominal thickness 1/4 inch.

B. Clear Tempered Floot Glass: Grade B (fully tempered), style I (uncoated surfaces), type I (float), quality q3, class 1.

C. Laminated Safety Glass: Two panes of equal thickness, laminated together with a .030" thick plastic interlayer for a total thickness of 1/4" complying with the following:

- Plastic Interlayer: Glass manufacturer's standard clear polyvinyl butyral interlayer which shall not show tendency to bubble, discolor or lose physical or mechanical properties after lamination.
- Glass: Clear float glass, both panes (tempered if required by code).

D. Translucent White Laminated Glass (65% visible light transmittance): Two panes of equal thickness, laminated together with a minimum .015 thick plastic interlayer for a total thickness of 1/4" complying with the following:

- Plastic Interlayer: Glass manufacturer's standard translucent white polyvinyl butyral interlayer which shall not show tendency to bubble, discolor or lose physical or mechanical properties after lamination.
- Glass: Clear float glass, both panes (tempered if required by code).

E. Wired Glass: 1/4" thick, UL listed, clear painted flat rolled glass complying with ANSI-Z97.1, reinforced with diamond pattern wire mesh.

2.04 GLAZING SEALANTS (Interior Applications)

A. General: Comply with recommendations of sealant and glass manufacturers for selection of glazing sealants with performance and compatibility characteristics suitable for application and conditions indicated.

B. Colors: Match color of frame finish.

2.05 GLAZING GASKETS/TAPE

A. Glazing Gaskets: ASTM C864, resilient polyvinyl chloride, extruded shape to fit glazing channel retaining slot; black color.

B. Name: Tape: Closed cell polyvinyl chloride foam, maximum water absorption by volume 22% designed for 25% compression for air barrier vapor retarder seal, black color, coated on release paper or adhesive on two sides; widths required for specified installation.

C. Glazing Tape: Butyl compound tape with integral resilient tube spacer, 10 to 15 Shore durometer hardness, black color, coated on release paper, widths required for specific installation.

2.06 MISCELLANEOUS GLAZING MATERIALS

A. Compatibility: All materials shall be compatible with surfaces contacted in installation.

B. Cleaners, Primers and Sealers: As recommended by sealant/gasket manufacturer.

C. Setting Blocks: ASTM C 864 neoprene, 80 to 90 Shore A durometer hardness, length 4 inches, width of glazing rabbet space less 1/16 inch, height required for glazing method, pane weight and pane area.

D. Spacers: Shims: ASTM C 864; neoprene, 50 to 60 Shore durometer hardness; length 3 inches, one half height of glazing stop, thickness required for application, one face self-adhesive.

E. Glazing Splines: ASTM C 864, resilient polyvinyl chloride, extruded shape to fit glazing channel retaining slot; black color.

PART III — EXECUTION

3.01 PREPARATION / INSTALLATION

A. Clean glazing/framing members immediately before glazing to remove all detrimental substances.

B. Adjust glazing channel dimensions as required by conditions for proper bite, edge/face clearances, and seal thickness.

C. Install properly sized setting blocks in sill rabbet at one quarter of glass width from each corner, but not closer than 6" unless noted. Set blocks in thin course of sealant suitable for heel bead use.

D. Provide spacers and edge blocks, correctly sized for conditions. Provide 1/8" minimum bite of spacers on glass.

E. After cut wedge-shaped gaskets at corners, prevent pull away at corners, seal corner and butt joints as recommended by gasket manufacturer.

F. Trim slight exposed tape flush with stop and finish sealant flush with sight line.

3.02 PROTECTION AND CLEANING

A. Protect glass from contaminating substances.

B. Remove and replace broken, chipped, cracked, abraded or damaged glass.

C. Remove labels and wash glass on both faces prior to final acceptance as directed by Walgreens.

D. Remove glazing materials from finish surfaces.

SECTION 09250 — GYPSUM DRYWALL

PART 1 — GENERAL

1.01 DESCRIPTION

A. Types of work include:

- Gypsum drywall including screw-type metal support system.
- Gypsum backing boards for application of other finishes.
- Drywall finishing.

1.02 QUALITY ASSURANCE

A. Fire-resistance ratings: Where fire-resistance ratings are indicated, provide materials/assemblies complying with ASTM E 119-00a and as required by local authorities.

B. Comply with recommendations of Gypsum Association GA-216 and GA-214.

C. Comply with ASTM C 1396, "Specification for Gypsum Board".

PART II — PRODUCTS

2.01 METAL SUPPORT MATERIALS

A. Ceiling support systems: Size components to comply with ASTM C 754.

- Main runners: Hot or cold-rolled steel channels with rust inhibitive paint.
- Hanger wire: ASTM A 641, soft, Class 1 galvanized.
- Furring members: ASTM C 645; 25 gauge minimum thickness, hat-shaped or C-shaped (spans over 4 ft.).

2.02 WALL/PARTITION SUPPORT MATERIALS

A. Studs: ASTM C 645; 25 gauge minimum thickness, 3-5/8" or 6" as noted. Provide heavier gauge if required by Architect of Record or by manufacturer's span table for allowable gauge minimums. Maximum distance between studs shall be 24" o.c.

B. Runners: Match studs, use type recommended by stud manufacturer for conditions.

C. "Z"-Furring members: Screw-type galvanized steel, ASTM A 653, G90, 24 gage minimum thickness designed for mechanical attachment of insulation boards to masonry and concrete walls.

D. Fasteners: Type and size recommended by stud/furring manufacturer for conditions.

E. Deflection Track: ASTM A 653, galvanized steel sheet deep leg track, provide:

- "SLP-TRK" by SlipTrack Systems, Inc.,
- "Deep Leg Track w/Slip Clip" by Fire Trak Corp.,
- "Deflection Track" by Marino/Ward(?)
- "VertiDip SLD" series by Steel Network, Inc.

2.03 GYPSUM BOARD

A. Gypsum Wallboard: ASTM C 1396, regular types unless noted otherwise. Provide Type X for fire-resistant rated assemblies.

- Thickness: 5/8" minimum.
- Edges: Tapered.
- Water-Resistant Backing Board (WR): ASTM C 1396, regular types unless noted otherwise. Provide Type X for fire-resistant rated assemblies.

2.04 TRIM ACCESSORIES

A. Provide manufacturers standard galvanized corner-beads, L-type edge trim beads, U-type edge trim beads, and one piece control joint beads.

2.05 JOINT TREATMENT

A. ASTM C 475 as recommended by manufacturer for application indicated.

B. Joint Tape: Paper reinforcing tape.

C. Joint Compound: Vinyl-type powder or ready-mixed for interior use, except as noted otherwise below.

- Grade: Single multi-purpose grade for entire application.
- Water-Resistant Joint Compound: Special water resistant type. Treat joints, fastener heads and cut edges. Use USG Sheetrock Setting-Type (Durabond 45 or 90), or approved equal.
- Exterior Gypsum Board Joint Compound: Use USG Sheetrock Setting-Type (Durabond), Durabond LC, Sheetrock Lightweight (Easy-Sand), or approved equal.

2.06 MISCELLANEOUS MATERIALS

A. Comply with gypsum board manufacturer recommendations.

B. Gypsum Board Screws: Comply with ASTM C 1002-01.

C. Sound Attenuating Blankets: FS HH-1-521 Type I; semi-rigid mineral fiber blankets, Class 25 flame spread, full thickness of studs.

D. Security Mesh: ASTM A-1011, ASTM F-1267, Type I, Class 1, 2 & 3, Grade A, 16 gauge carbon steel, expanded to form a 3/4 inch diamond mesh.

PART III — EXECUTION

3.01 INSTALLATION OF METAL SUPPORT SYSTEMS

A. Installation Standard: ASTM C 754.

B. DO NOT BRIDGE building expansion joints with support system.

C. Ceiling Support Systems: Secure hangers to structural support by direct connection where possible. DO NOT use wire support systems to metal roof deck.

- Level main runners to tolerance of 1/4" in 12'-0" measured in any direction.
- Attach metal wall track / angle wherever system meets vertical surfaces. Mechanically join support members, butt-cut to fit wall track.
- Install auxiliary trim / framing at termination of drywall work, at light fixtures, etc., for proper support of drywall and other work.

3.02 WALL / PARTITION SUPPORT SYSTEMS

A. Install supplementary framing, blocking and bracing at terminations in work for support of fixtures, equipment, grab bars, toilet accessories, etc.

- All partitions which adjoin another tenant (demising walls), separate General Sides from Stock, support soffits or decar wall fixtures, provide 22 Ga. 6" studs at 24" o.c. attached to structure. Extend drywall up tight to metal deck.
- Provide 20 Ga. At 16" o.c. at partitions supporting storage ledges.
- Demising Walls: Shall be constructed full height from floor to structural deck above. When Pharmacy walls are also a demising wall, provide security mesh behind gypsum board fastened to studs on Walgreens side.
- Isolate stud system from transfer of structural loading. Space control joints: 30 ft. o.c. or less at partitions. 50 ft. o.c. or less at ceilings. If top track of partition is secured to roof deck, provide "deflection track" with 2" fange and install continuous bridging within 1 ft. of track. Do not attach stud to deflection track to accommodate allowable roof deflection.
- Install studs and furring vertically. Space studs 24" o.c. unless noted otherwise. Space furring members at 24" o.c. unless noted otherwise.
- Provide Type X gypsum board at walls which adjoin other tenants, separate General Sides from Stock.
- Provide water-resistant (WR) gypsum board at all plumbing walls.
- Erect thermal insulation vertically & hold in place with Z-furring members spaced 24" o.c.

3.03 GYPSUM BOARD INSTALLATION

A. Application and Finishing Standards: ASTM C-40, GA 216 and GA 214 (latest edition)

B. Gypsum board shall be applied to walls which adjoin other tenants, separate General Sides from Stock.

C. Do not install imperforated, damaged or damp boards.

D. Locate ends / edges over supports. Do not place tapered edges against cut edges. Stagger vertical joints over different studs on opposite sides of partition.

E. At wet areas, apply un-cut long edge of WR board at bottom of work. Seal all ends, cut edges and penetrations.

F. Fasten all gypsum board to supports with screws.

3.04 DRYWALL TRIM ACCESSORIES

A. Install metal trim as follows:

- Corner beads at external corners.
- Edge trim where gypsum board edge would be exposed or semi-exposed.
- L-type where work abuts other work.
- U-type at exposed edges, reveals, gasketed or sealant-filled joints.

3.05 DRYWALL FINISHING

A. Prepare work as required for decoration (textured finishes prohibited).

B. Apply joint tape at joints except where trim accessories occur.

C. Apply joint compounds in 3 coats and sand between last 2 coats & after last coat.

D. Level 4 Finish; shall be applied to all surfaces to receive paint, wall covering, mirrors or wainscoting.

E. Level 3 Finish; shall be applied to Toilet Room & Porter area surfaces to receive water-resistant gypsum board.

F. Level 2 Finish may only be applied to surfaces located behind gnomons not exposed to view.

G. Level 1 Finish; may only be applied to surfaces located in ceiling plenums not exposed to view, if acceptable to local code authorities. Level 1 finish shall not be less than 12 inches above finished ceiling.

D. All joints to be taped, filled and sanded.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
CERTIFICATION AND SEAL			
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF XXXXXXXX AS SIGNED BY MY HAND AND SEAL.			
LOCATION NUMBER XXXXX			
PROJECT NAME WALGREENS ON SITE PHARMACY CRITERIA			
ADDRESS CITY, STATE			
DRAWING TITLE ARCHITECTURAL SPECIFICATIONS			
CADD PLOT:	SCALE: AS NOTED	DRAWING NO.	
VOID PLOT:	DRAWN BY: CHRISTI ONDO	R003	
SUPERSEDES PLAN DATED:	DATE: 8/8/12		
	REVIEWED BY:		

SECTION 09510 – ACOUSTIC CEILINGS

PART I – GENERAL
 If tenant standards are not in place, the following section will apply. Please submit samples of tenant standards, when they exist.

1.01 DESCRIPTION
 A. The extent of acoustic panel ceilings with exposed suspension, with integrated recessed fluorescent lighting, is shown on the drawings.

1.02 QUALITY ASSURANCE
 A. Fire Performance Characteristics: Provide components identical to those tested according to ASTM, UL as listed and as acceptable to authorities having jurisdiction.
 1. Surface Burning: ASTM E 84
 a. Flame Spread: 25 or less.
 b. Smoke Developed: 50 or less.
 2. Fire-Resistance Ratings: Provide systems with ratings as required by authorities having jurisdiction.
 B. Comply with ASTM C 635, ASTM C 636 and Ceilings and Interior Systems Contractors Association (OSCA).

PART II – PRODUCTS
2.01 ACOUSTICAL CEILING UNITS
 A. General: Provide manufacturers standard units complying with FS SS–5–118 including all accessories required for applications encountered.
 B. Walgreens has established a National Account with Armstrong for ceiling tile and grid for all locations. Armstrong contacts are listed below.
 1. For Armstrong systems: Contact the Strategic Account Group 800–442–4212 (select option 1).
2.02 ACOUSTIC PANELS
 A. Provide Type III, Form 2 panels, color: white, size: 24" x 48" x 5/8", edge: square-cut lay-in from one of the following:
 1. Armstrong "Fine Fissured Humiguard" #J729.
2.03 METAL SUSPENSION SYSTEMS
 A. General: Double-web, direct hung system complying with ASTM C 635.
 1. Structural Classification: Intermediate duty.
 2. Metal: Hot-dipped-galvanized steel 0.015" thick x 1–1/2" high x 15/16" face.
 3. Color: White
 B. Hanger Wire: Provide not less than 12 gauge galvanized carbon steel ASTM A 641, soft temper.
 C. Edge Moldings and Trim: Manufacturers standard metal of types and profiles required for all applications encountered. Fabricate to fit all penetrations exactly.
 D. Hold-Down Clips: Provide at 2 ft. o.c. on cross tees for interior panels subject to wind uplift or weighing less than 1 lb./sq. ft.
 E. Acceptable Manufacturers: Armstrong "Prelude XL" exposed tee, color: white.
 F. Seismic Areas: When required by authorities having jurisdiction provide "Heavy Duty" systems approved by local authorities: Armstrong "Prelude XL", with slab in cross tees.
 1. Compression Posts: USG's Dorn Corporation #NSA 12, 24 or 47 as required.
 2. Edge Molding: Manufacturers 2 inch wide unit conforming to local requirements.

PART III – EXECUTION
3.01 INSTALLATION
 A. Install systems in compliance with ASTM C 636, governing regulations and fire-resistance requirements. Support hangers only from structural members. Do not attach or suspend hangers from metal deck. Locate hangers not less than 6" from each end and spaced 4 ft. o.c. along main runner. Locate hangers at 4 ft. o. c. each direction if main runners are spaced greater than 4 ft. o.c. Level to within 1/8" in 12 ft. Limit deflection to 1/360 of span length in inches.
 B. Install hangers plumb and free from contact with objects that are not part of structural or ceiling system. Wire connections shall be capable of supporting a 100 lb. allowable load.
 C. Provide main runners or continuous cross tees in line with the long dimension of each side of recessed lights. Provide a hanger wire at the midpoint of each cross tee located on the long dimension of a recessed light fixture.
 4 ft. cross tees supporting light fixtures is prohibited. Entire suspension system shall be completely connected forming a homogeneous frame. Independent/unattached fields are prohibited.
 D. Pop rivets shall be minimized. Use only when manufacturer does not make an accessory to secure the system in the condition encountered.
 E. Provide trim and moldings as required to conceal edges of acoustic tiles.
 F. Install panels to fit accurately at borders and penetrations.
 G. Suspended ceiling system shall not be used to support ductwork, plumbing, sprinklers, insulation, etc.
3.02 ADDITIONAL SEISMIC REQUIREMENTS
 A. General: Comply with requirements of authority having jurisdiction in the respective seismic zone.
 B. Individual light fixtures or other attachments to the ceiling system, with a combined weight of 56 lbs. or less shall have two 12 gauge wire hangers attached, with slack, at diagonal corners of the fixture to prevent drop out.
 1. Any fixture or attachment weighing greater than 56 lbs. must be independently supported from the structure.
 C. The minimum connection strength for main and cross runner intersection/splices shall be 60 lbs. in compression and tension (must allow 5 degree offset in any direction).
 1. Ceiling system actual weight, including grid, panels, light fixtures and air terminals to be 2.5 lbs./sq. ft. or less. All other services must be independently supported from structure.
 2. For ceiling weighing more than 2.5 lbs./sq.ft. consult local authorities for requirements.
 3. Provide vertical compression posts or struts as required by local authorities.
 D. The ceiling system cannot be used to provide lateral support for walls or partitions.
 E. Perimeter closure angles must provide a min. 7/8", support ledge. Terminal ends of grid or tile must rest on ledge with min. 3/8" clearance from wall.
 1. For support ledges smaller than 7/8", terminal ends of cross or main runners shall be independently supported within 8" from each wall or ceiling discontinuity. This support must prevent grid from falling. This support should not be out of plumb greater than 1 in 6. Maintain 3/8" end clearance from wall.
 2. All penetrations i.e., columns, sprinklers, etc. and independently supported fixtures are considered perimeter closures that must allow noted clearances.
 F. At wall closure ledges, cross and main runners must be prevented from spreading apart. Permanent attachment for grid alignment purposes is prohibited.
3.03 ADJUST AND CLEAN
 A. Clean exposed surfaces of panels, moldings and trim. Remove and replace work that cannot be cleaned to permanently eliminate evidence of damage.

SECTION 09650 – RESILIENT FLOORING

PART I – GENERAL
 If tenant standards are not in place, the following section will apply. Please submit samples of tenant standards, when they exist.

1.01 DESCRIPTION
 A. Extent of resilient flooring is shown on drawings and schedules.

1.02 QUALITY ASSURANCE
 A. Provide resilient flooring complying with the following fire performance criteria.
 1. Smoke Density: Less than 450 per ASTM E 662.
 2. Critical Radiant Flux (CRF): Not less than 0.45 watts/sq. cm. per ASTM E 648 –Class I

PART II – PRODUCTS
2.01 TILE FLOORING
 A. Walgreens has established National Account with Armstrong for selected resilient flooring.
 1. Resilient Flooring Regions:
 a. Armstrong products shall be provided in Puerto Rico and all states .
 2. Resilient Flooring Contacts:
 a. Armstrong: Request Walgreens National Account pricing from Armstrong Strategic Accounts at (800)442–4212.
 B. Solid Vinyl Planking: ASTM F 1700, Class 3, Type B – Embossed Surface.
 1. Armstrong "Natural Creations, Mystic" planks, Color: #1–750 "Strip Bamboo Caramel", Size: 6" x 36" x 1/8".
 Vinyl Tile: ASTM F 1066 Class 2 – through-pattern
 1. Armstrong –Standard Exolon, Color: #57501 "Nougat" 12"x12"x1/8"
 D. Rubber Tile Flooring: ECOSurfaces – Recycled Rubber Flooring
 1. ECORx Recycled Rubber Resilient Laminated Flooring
 2. Pattern ECOSTONE #814, Color: ROCK 'N COAL W/ 50% BLACK
 3. Size: 24"x24", interlocking tiles.
2.02 ACCESSORIES
 A. Wall Base: Johnsonite, 6"H coved, Color: Jet Black.
 C. Resilient Edge Strips: 1/8" thick, 1" wide, homogenous vinyl, tapered or bullnose edge, color to match flooring.
 D. Adhesives: Water-resistant stabilized type as recommended by flooring manufacturer or as indicated below.
 1. Solid Vinyl Flooring: "Wood Collection" planks, Armstrong adhesive #S–288. Solid Vinyl Flooring, "Natural Creations ArborArt": Armstrong Adhesive #S–288.
 * High moisture: Use Armstrong adhesive #S–240 in areas that are consistently wet.
 * Wall Base: Johnsonite, #60 Acrylic Cove Base Adhesive.
 E. Concrete Slab Primer: Non-staining as recommended by flooring manufacturer.
 F. Leveling and Patching Compounds: Armstrong #S–183 Fast-Setting Cement-Based Underlayment, Armstrong #S–184 Fast Setting Cement-Based Patch Coat or Portland cement based latex types as recommended by flooring manufacturer.

PART III – EXECUTION

3.01 GENERAL
 A. Inspect to ensure satisfactory substrate surfaces. Satisfactory means smooth and free from cracks, holes, ridges, coatings preventing adhesive bond, detrimental moisture vapor emissions and other defects impairing performance or appearance.

3.02 INSTALLATION
 A. Tightly cement flooring to subbase without open cracks, voids, raising or puckering at joints or telegraphing.
 B. Avoid use of cut widths less than 1/2 tile at perimeters. Lay tile square to room axis.
 C. Lay tile in checkerboard pattern with grain reversed in adjacent tiles.
 D. Concrete floors shall be tested for alkalinity. The allowable readings for the installation of Armstrong flooring are 5 to 9 on the PH scale.
 E. Solid vinyl Plank Flooring – Stagger end joints a minimum of 6" apart. Do not install over expansion joints. Roll with 100-lb roller; install tile in same direction.
 F. Vinyl Protective Coat: General Contractor shall use floor cleaning company approved recommended by Johnson Diversey. Contact Johnson Diversey at 800–568–2332 and ask for the Walgreen's New Store Coordinator to obtain an approved Building Service coordinator. The Building Services Contractor is responsible for providing equipment, cleaning chemicals, and labor to complete requested service. He will also agree to carry Workmen's Compensation, public liability and property damage insurance in form and amount acceptable to The Walgreen Company.
 Following tile installation refer to Armstrong recommendations for time) the floor should be swept and damp mopped with Revive Plus SG. If an auto-scrubber is needed to properly clean the VCT, wait at least 4–5 days after installation (this will prevent excess moisture from interfering with the adhesive bond.) Allow floor to dry before applying 4 medium coats of Vectra Floor Finish; allowing sufficient dry time between coats (approximately 30–45 minutes between coats). Do not apply stripper. Johnson Diversey's New Store Coordinator will secure cleaning bid from approved floor cleaning company and Federal Express bid to General Contractor to sign contract.

3.03 ACCESSORY INSTALLATION
 A. Apply base in longest possible lengths. Miter or cope inside corners, make non-penetrating "v-cut" on backside to form outside corners.
 B. Place edge strips tightly butted to flooring at locations where tile edges would otherwise be exposed.

3.04 CLEANING AND PROTECTION
 A. Remove excess adhesive and other surface blemishes.
 B. Protect flooring from construction damage as recommended by flooring manufacturer.

SECTION 09910 – PAINTING

PART I – GENERAL
 If tenant standards are not in place, the following section will apply. Please submit samples of tenant standards, when they exist.

1.01 DESCRIPTION
 A. Extent of painting is shown on drawings and schedules.
 B. Work includes painting & finishing of interior & exterior surfaces as indicated.
 C. Painting of mechanical/electrical work is specified in divisions 15 and 16.
 D. Do not paint over code required labels or equipment name, rating, and performance plates.

1.02 QUALITY ASSURANCE
 A. Fire Hazard classification: Provide Vinyl Wall Covering materials with the following classifications per ASTM E–84, Class A.
 1. Flame spread not more than 10.
 2. Smoke developed not more than 25.
 B. Install all work in accordance with manufacturer's instructions.

1.03 WARRANTY
 A. Provide a seven year non-prorated material and labor warranty related to defects in material.
 B. Wall covering: Provide a one (1) year warranty against manufacturer's defects only.

PART II – PRODUCTS
2.01 PAINT
 A. Provide paint obtained through National Accounts as produced by Benjamin Moore or Pittsburgh Paints (see below). Substitutes are subject to Walgreens approval only where Benjamin Moore or Pittsburgh Paints are unavailable. National Account contacts are:
 1. Benjamin Moore: Jason Walker (773) 597–8698. Direct order line: (877) 626–5676.
 2. Pittsburgh Paints: Marie Carr, phone at (866) 298–7245, fax at (888)434–3127 or www.ppgaccount.com (call toll free number above to register).

PART III – EXECUTION
3.01 PREPARATION
 A. Do not paint over dirt, rust, scale, grease, moisture or other conditions detrimental to formation of a durable paint film.
 B. Remove hardware, accessories, plates, light fixtures and other items not to be painted or wall covered. Reinstall removed items upon completion of painting and wall covering.
 C. Prime and seal surfaces to receive wall covering in accordance with manufacturer recommendations.
3.02 PAINT APPLICATION
 A. Apply additional coats when undercoats, stains etc. show through until color and appearance is uniform.
 B. Paint surfaces behind movable equipment.
 C. Paint interior surfaces of ducts where visible, with flat, non-specular black paint.
 D. Paint grilles and registers at ceilings and walls to match adjacent surfaces.
 E. Paint exterior doors on tops, bottoms, sides same as exterior faces.
 F. Completely cover surfaces to provide an opaque, smooth, uniform finish and color, free of spotting, holidays, laps, brush marks, runs, sags or other imperfections.
 G. Completed Work: Refinish or repaint work not in compliance with specified requirements
 H. Paint all ferrous metal. (When required)
3.04 CLEANING AND PROTECTION
 A. Upon completion, clean paint splatters from window glass, equipment and other paint splattered surfaces.
 B. Protect work of others against damage from painting and wall covering work. Repair, repaint or replace damaged surfaces as acceptable to Walgreens.

3.05 PAINTING SCHEDULE
 A. Gypsum Wallboard (Pharmacy, Office and Storage Areas):
 Prime Coat: Moor Croft Super Spec Latex Enamel Under Coater & Primer Seder (#253) Pittsburgh Paints Speedhide Latex Primer Seder (#6–2).
 Finish: Two coats, Moorcroft Super Spec Latex Pearl (#277), color: #HC–173 "Edgecomb Gray". Two coats Pittsburgh Paints Speedhide Interior Eggshell Latex Enamel tinted to B–M's HC–173 "Edgecomb Gray".
 B. Gypsum Wallboard (Sales Area, half wall):
 Prime Coat: Moor Croft Super Spec Latex Enamel Under Coater & Primer Seder (#253) Pittsburgh Paints Speedhide Latex Primer Seder (#6–2).
 Finish: Two coats, Moorcroft Super Spec Latex Pearl (#277), color: #HC–35 "Powell Buff". Two coats, Pittsburgh Paints Speedhide Interior Satin Latex Enamel tinted to B–M's #HC–35 "Powell Buff".
 C. Gypsum Wallboard (Sales Area Soffit):
 Prime Coat: Moor Croft Super Spec Latex Enamel Under Coater & Primer Seder (#253) Pittsburgh Paints Speedhide Latex Primer Seder (#6–2).
 Finish: Two coats, Moorcroft Vinyl Latex Satin (#276), color: #HC–35 "Powell Buff". Two coats, Pittsburgh Paints Speedhide Interior Satin Latex Enamel tinted to B–M's #HC–35 "Powell Buff".
 D. Hollow Metal Door and Frames
 Interior: (Frames within the Pharmacy area)
 Prime Coat: Iron Ogd Latex Low Lustre Metal & Wood Enamel (#363) Pittsburgh Paints Industrial Rust Inhibitive Primer (7–858 Series)
 Finish Coat: 2 coats, Moorcraft Latex Semi-Gloss Enamel (276), Color: #2112–30 "Stone Brown", 2 coats, Pittsburgh Paints Speedhide Interior Semi-Gloss Latex (6–500 Series), tinted to B–M's #2112–30 "Stone Brown"
 Interior: (Door frames where adjacent wall is HC–35 "Powell Buff")
 Prime Coat: IronOgd Latex Low Lustre Metal & Wood Enamel (#363) Pittsburgh Paints Industrial Rust Inhibitive Primer (7–858 Series)
 Finish Coat: 2 coats, Moorcraft Latex Semi-Gloss Enamel (276), color #HC–35 "Powell Buff", 2 coats, Pittsburgh Paints Speedhide Exterior Semi-Gloss Latex (6–500 Series) tinted to B–M's #HC–35 "Powell Buff".
 E. Interior Wood Doors with Stain Finish: See Section 09931

SECTION 09931 – WOOD STAIN AND TRANSPARENT FINISHES

PART I – GENERAL
 If tenant standards are not in place, the following section will apply. Please submit samples of tenant standards, when they exist.

1.01 DESCRIPTION
 A. This section includes surface preparation and the application of wood finishes on the following substrates:
 1. Interior Substrates
 a. Exposed wood veneer doors
1.02 QUALITY ASSURANCE
 A. Master Painters Institute (MPI) Standards
 1. Complying with MPI standards indicated and listed in its 'MPI Approved Products List'
 2. Preparation and Workmanship: Complying with requirements in 'MPI Architectural Painting Specification Manual' for products and finish systems indicated.

PART II – PRODUCTS
2.01 MATERIALS
 A. Material Compatibility
 1. Provide materials for use within each finish system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by a manufacturer, based on testing and field experience.
 2. For each coat in a finish system, provide products recommended in writing by manufacturers of topcoat for use in finish system and on substrate indicated.
2.02 STAINS
 A. Interior wood stain (Semi-transparent): MPI #90
2.03 POLYURETHANE FINISHES
 A. Interior, Oil-Modified, Clear Urethane (Stain): MPI #67, Goss level 4

PART III – EXECUTION
3.01 EXAMINATION
 A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.
 1. Maximum moisture content of wood substrates: 15% when measured with an electronic moisture meter.
 2. Verify compatibility with and suitability of substrates, including compatibility with existing finishes.
 3. Begin finish application only after unsatisfactory conditions have been corrected and surfaces are dry.
 4. Beginning application of finish system constitutes Contractor's acceptance of substrate and conditions.
3.02 PREPARATION AND APPLICATION
 A. Comply with manufacturer's written instructions and recommendations in MPI Architectural Painting Specification Manual.
 B. Protect work of other trades against damage from finish application. Correct damage by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
 C. At completion of construction activities of other trades, touch up and restore damaged or defaced finished wood surfaces.
3.03 INTERIOR WOOD-FINISH SYSTEM SCHEDULE
 A. Exposed Wood Veneer Door Substrates:
 1. Polyurethane Varnish over Stain System: MPI INT 6.4V
 Stain Coat: 1 coat, Sherwin Williams Wood Classics Oil Stain A49 Series
 Color: SW3121–B "Peanut"
 Finish Coat: 2 coats Sherwin Williams Wood Classics Polyurethane
 Varnish: 467 Series
 Finish: Satin
 2. See Room Finish Schedule for additional information

SECTION 09985 – SPECIAL WALL SURFACES

PART I – GENERAL
 If tenant standards are not in place, the following section will apply. Please submit samples if tenant standards, when they exist.

1.01 DESCRIPTION
 A. The extent of Corner Guards and Column Cover are shown on drawings and schedules.

PART II – PRODUCTS
2.01 COLUMN COVER
 A. Provide 22 or 24 gauge stainless steel, type 304 or 430, #4 finish.
 B. Acceptable Manufacturers:
 Retail Specialty Incorporated 14026 Simone Drive, Shelby Twp, MI 48315, (586)566–7716
 Tubular Specialties Inc., 13011 South Spring Street, Los Angeles, CA 90061, (800)225–5876.
 Wilkinson Company Inc., 1530 Commerce Drive, Stow, Ohio 44224–1781, (800)686–6726.
2.02 CORNER GUARDS
 A. Provide 16 or 18 gauge stainless steel, type 304 or 430, #4 finish.
 B. Acceptable Manufacturers:
 Retail Specialty Incorporated 14026 Simone Dr., Shelby Twp, MI 48315, (586)566–7716
 Tubular Specialties, Inc., 13011 South Spring St., Los Angeles, CA 90051, (800)225–5876
 Wilkinson Company Inc., 1530 Commerce Drive, Stow, Ohio 44224–1781, (800)686–6726.

PART III – EXECUTION
3.01 COLUMN COVERS
 A. Install in one piece on round columns (two pieces acceptable at square columns), from floor to 4'–0" A.F.F. with no sharp or jagged edges.
 B. Column covers shall be secured and tightly fit column profile. Install with concealed attachment. Install neatly laced against at top and bottom edges of column covers.
 C. Seam shall be formed with tightly fitting continuous "drive cleat locks", "S-Pockets", or "riveted lap seams" (with concealed hemmed overlap). Seam shall face toward nearest merchandise gondola.

SECTION 10426 – SIGNAGE

PART I – GENERAL
 If tenant standards are not in place, the following section will apply. Please submit samples of tenant standards, when they exist.

1.01 SIGN DESIGN
 Signs provided by Walgreens.

1.02 GENERAL REQUIREMENTS
 A. Architect
 1. Architect shall provide the following drawings necessary to obtain a sign permit, whenever exterior/interior signage is being added.
 a. Site Plan
 b. Exterior Elevation of Building, showing sign placement (prototype signs to be utilized whenever possible. Prototype sign package is available through WHS Site Development or Walgreens Facilities Planning, Design & Engineering).
 c. Interior Elevation of Building, showing sign placement (prototype signs to be utilized whenever possible. Prototype sign package is available through WHS Site Development or Walgreens Facilities Planning, Design & Engineering).
 B. General Contractor
 1. This contractor shall coordinate all work. Notify Sign Contractor as soon as possible after the sign wall or structure is in place. General Contractor shall not close up the backside of wall until Sign Contractor has completed their work.

PART II – PRODUCTS
2.01 Signs Provided by Walgreens
 A. Sign Contractor shall establish centerline of the sign wall.
 B. Watertight seals at penetrations with sealants compatible with building materials.

SECTION 10522 – FIRE PROTECTION SPECIALTIES

PART I – GENERAL
1.01 DESCRIPTION
 A. Wall mounted fire extinguishers and accessories.
 B. Recessed Knox Boxes (provide only when required by local codes/officials) they exist.

1.02 QUALITY ASSURANCE
 A. Comply with NFPA 10 and ADA Accessibility Guidelines.
 B. Provide UL listed and FM approved fire extinguishers, which bear the UL listing mark for the type, rating and class of fire extinguisher indicated.
 C. Obtain products from one manufacturer.

PART II – PRODUCTS
2.01 FIRE EXTINGUISHERS
 A. Multi-Purpose Dry Chemical Type: UL rated 4A:60B:C or as required by local authority.
 B. Finish: Manufacturers standard factory applied RED.
 C. Provide fire extinguishers (quantity and type) as required by authority having jurisdiction.
 D. Manufacturers: JL Industries Inc., Larsen's Manufacturing Co., Potter–Roemer
2.02 ACCESSORIES
 A. Mounting Brackets: manufacturers standard for the fire extinguisher furnished.
 B. Signs: provide signs identifying the locations of fire extinguishers as required by local authorities.
2.03 KNOX BOX (provide only when required by local codes / official)
 A. Recessed Knox Box #3200–R, with UL listed alarm tamper switch, dark bronze finish.

PART III – EXECUTION
3.01 INSPECTION
 A. Verify servicing, charging and tagging of all fire extinguishers.
3.02 INSTALLATION
 A. Install fire extinguishers and identifying signs in compliance with local authorities and ADA guidelines.
 B. Provide blocking and anchoring devices capable of supporting specified fire extinguishers.
 C. Recessed Knox Box shall be installed 6'– 0" above top of foundation, near main entry (if required by local fire officials).

PART III – EXECUTION
3.01 INSPECTION
 A. Verify servicing, charging and tagging of all fire extinguishers.
3.02 INSTALLATION
 A. Install fire extinguishers and identifying signs in compliance with local authorities and ADA guidelines.
 B. Provide blocking and anchoring devices capable of supporting specified fire extinguishers.
 C. Recessed Knox Box shall be installed 6'– 0" above top of foundation, near main entry (if required by local fire officials).

Walgreens
 FACILITIES PLANNING, DESIGN, & ENGINEERING
 106 WILMOT ROAD
 DEERFIELD, IL 60015-5105

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANT
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION	BUILDING
NEW <input type="checkbox"/>	NEW <input type="checkbox"/>
REMODELING <input type="checkbox"/>	EXISTING <input type="checkbox"/>
RELOCATION <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHERS <input type="checkbox"/>	

NO.	DATE	BY	DESCRIPTION
REVISIONS			

CERTIFICATION AND SEAL			
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS AS SIGNIFIED BY MY HAND AND SEAL.			
LOCATION NUMBER XXXXX			
PROJECT NAME WALGREENS ON SITE PHARMACY CRITERIA			
ADDRESS CITY, STATE			
DRAWING TITLE ARCHITECTURAL SPECIFICATIONS			
CADD PLOT:	SCALE: AS NOTED	R004	
VOID PLOT:	DRAWN BY: CHRISTI ONDO		
SUPERSEDES PLAN DATED:	DATE: 8.8.12		
	REVIEWED BY:		
		OF	DWGS.

SECTION 15050 – BASIC MECHANICAL MATERIALS AND METHODS

PART I – GENERAL

1.01 MECHANICAL GENERAL REQUIREMENTS
A. This section applies to all mechanical work. The contractors involved shall check all sections of the specifications in addition to the particular section governing their specific trade. Each distinct section of the specifications aimed for one trade may have detailed information with regards to other trades, therefore, it is imperative that all sections be reviewed to get a complete picture of all other trades' functions and work conditions.
B. The Walgreen Co. drawings, which constitute an integral part of this contract, shall serve as the working plans. They indicate the general layout of the complete mechanical systems.
1. Field verification of scaled dimensions on plans, is directed since actual locations, distances, and levels will be governed by actual field conditions. All measurements shall be verified at the site.
2. The mechanical & electrical contractors shall check architectural, structural, plumbing, heating, ventilation, air conditioning, and electrical plans to avert possible installation conflicts. Should drastic changes from original plans be necessary to resolve such conflict, the contractor shall notify the architect & Walgreen Co. – Facilities Planning, Design Engineering Department, and secure written approval and agreement on necessary adjustment before the installation is started.
3. Discrepancies shown between plans, or between plans and actual field conditions, or between plans and specifications shall promptly be brought to the attention of Walgreen Co. for a decision.
4. Drawings & specifications are intended to cover the completed installation of systems to function as designed. The omission of the expressed reference to any item of labor and material necessary to comply to practice codes, ordinances, etc. shall not relieve the contractor from providing such additional labor and material. The contract drawings serve as working drawings for the general layout of the various services. However, layout of equipment accessories, specialties, piping systems, and conduit runs are diagrammatic unless specifically dimensioned and do not necessarily indicate every required valve, fitting, transition, turning vane, junction box, pull box, conduit size, etc. It is the contractor's responsibility to provide all systems complete and operable. The contractor to make field verification of all services, systems, etc. as part of the total work required & the cost to be included in this base bid.
C. Accessibility: Do not locate traps, controls, unions, pull boxes, etc. in any system at a location that will be inaccessible after construction is completed. Maintain accessibility for all components in mechanical, electrical, and plumbing systems.
D. Cutting and Patching: All cutting required shall be done by the contractor whose work is involved, without extra cost to Walgreen Co. All patching & restoration including the finishing and installation of access panels in ceiling, walls, etc. within the building lines shall be done by the respective, responsible contractor. No cutting of structural steel, concrete, or wood shall be done without prior approval & explicit directions of the architect and Walgreen Co. All duct openings in walls, floors, ceiling, and roof shall be cut and patched by the respective, responsible contractor.
E. Relocation of Existing Ducts, Conduits, Pipes, and Utilities: The contractor, under whose jurisdiction the work may fall, shall provide labor, material, and tools required to cut, repair, protect, cap, or relocate existing pipes, conduits, or utilities interfering with or covered during the performance of the work.
F. Excavation and Backfill: Excavation and removal of material, shoring, dewatering, and backfilling required for the proper laying of all pipes & conduits inside the building and premises, and outside as may be necessary, shall be done by the contractor whose work is involved, without extra cost to Walgreen Co.
G. Vibration Eliminators: Rotating or reciprocating equipment, ducts, piping, etc. shall be isolated from the structure by means of approved vibration absorbing units as provided or recommended by the equipment manufacturer or architect.
H. Sleeves: Each contractor shall provide sleeves. Sleeves shall be extended 2 inches above the floor, wall, etc. unless noted otherwise, and shall be Schedule 40 galvanized steel pipe and of the required size and location. The contractor responsible for running pipes in the sleeve shall caulk the space between pipe and sleeve with oakum and seal with mastic cement or other approved material.
I. Electric Motors: See Section 16050, Basic Electrical Materials & Methods.
J. Damage to Other Work: Each contractor shall be held rigidly responsible for all damages to their own or any other trades' work resulting from the execution of the involved contractor's work.
K. Concrete and Foundation: Concrete foundation for all mechanical equipment shall be provided by the general contractor, but the respective mechanical contractor shall furnish foundation bolts and all essential information and shall check the work prior to the pouring of concrete insuring acceptable results. The foundation shall be as indicated or as recommended by the equipment manufacturer.
L. Large Equipment: All large equipment which is to be installed in the building that may be too large to enter through stairways, doorways, or shaft, shall be brought on the job and placed in the proper space before the enclosing structure is completed, unless arrangements are made with other contractors to permit access at a later date, without additional cost to Walgreen Co.
M. Rough-in for Connection to Equipment: It shall be the responsibility of each contractor to study the architectural, structural, electrical, and mechanical drawings, conferring with the various trades involved and checking with the supplier of equipment in order to properly rough-in for all equipment.
N. Material and Equipment: All material and equipment shall be new and of the best quality used for the purpose in good commercial practice, and shall be the standard product of reputable manufacturers. The material and equipment must meet approval of state and local codes in the area it is being used.
O. Construction Superintendent: The term "construction superintendent" shall herein be referred to synonymously as Walgreen's construction superintendent.
P. Performance of Work: All work outlined in the various mechanical and electrical sections shall be done by the contractor under whose jurisdiction the work may fall. See drawings and specifications.
Q. Roof decks shall not be used to support piping, conduit, equipment, devices, etc.
R. Electrical Wiring: See electrical specifications, Division 16.
S. Testing: All testing results shall be in the form of written reports.
1.02 SUPPLEMENTARY CONDITIONS
A. Refer to other requirements of mechanical and electrical work in Division 1 without exception.
B. Permits, Inspections, and Tests: All work is to be executed in compliance with, and each contractor is to observe and abide by, all applicable laws, regulations, ordinances, & rules of the national, state, county, & local governing agencies, or any other duly constituted public authority. Each contractor will, at all times, maintain proper facilities provided for access to all parts of the work & to the shops where the work is in preparation. No work will be enclosed or covered until approved by the architect, and should any work be enclosed or covered before all necessary inspections are completed, same will be opened for examination at the contractor's expense. All fees, licenses, tests costs, etc. are contractor's responsibility.
C. Rules, Regulations, and Codes:
1. All material & equipment shall conform to the standards, where available, of the National Electrical Manufacturers Association (N.E.M.A.), National Fire Protection Association (N.F.P.A.), National Electrical Code (N.E.C.), Underwriters Laboratories (U.L.), American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), Sheet Metal and Air Conditioning Contractor's National Association (SMACNA), and American Water Works Association (AWWA).
2. All work shall conform to all applicable federal, state, and local codes and utility companies' regulations.
D. Workmanship and Installation: Walgreen Co. shall decide whether or not the finished work is satisfactory in their judgment. If any material and/or equipment has not been properly installed or finished, this contractor is obligated to replace the material and/or equipment wherever required and to reinstall the material and equipment in a manner entirely satisfactory at this contractor's expense (without additional cost to Walgreen Co.).
E. Guarantee: Each contractor shall guarantee each complete system for a period of one (1) year from the date of acceptance of the work by Walgreen Co. to be free of defects of material and workmanship and that any faulty material or workmanship will be repaired or replaced without additional cost to Walgreen Co.
F. Cooperation: There shall be complete cooperation with all trades in the matter of planning and execution of the work. Best reasonable effort shall be made to prevent conflict as to space requirements, dimensions, locations, leaving of opening, or other matters to obstruct or delay the work.
1.03 SUBSTITUTIONS
A. The name of an article or its make, as given in the specifications and/or drawings, is used to establish a standard for the guidance of the contractor. They may propose substitution of other material or equipment (unless specifically stated no substitution accepted).
B. Should the contractor propose to furnish materials and equipment other than those specified, as permitted by the "acceptable alternate" clause, he shall submit a written request for any or all substitutions to Walgreen Co. Such a request shall be accompanied with complete descriptive and technical data for all items (manufacturer, brand name, catalog number, descriptive literature, and capacity tables), stating in each case what action or deduction from the main bid is to be made if such alternates are accepted.
C. Where such substitutions alter the design or space requirements indicated on the plans, the contractor shall include all items of cost for the revised design and construction, including cost of all allied trades involved.
D. Acceptance or rejection of the proposed substitutions shall be subject to approval of Walgreen Co., and if specific approval in writing is not received, it is understood that the requirements as outlined in the Walgreen Co. plans are to be met.

SECTION 15250 – MECHANICAL INSULATION

PART I – GENERAL

1.01 DESCRIPTION
Rework the existing insulation as required to accommodate the remodeled space and satisfy the local code authority. All new work to follow specification as follows:
A. Section 01010 Summary of Work and Section 15050, Basic Mechanical Materials and Methods, shall be considered a part of these specifications.
B. Piping insulation, jackets, and accessories.
C. Ductwork insulation, jackets, and accessories.
PART II – PRODUCTS
2.01 PIPE INSULATION
A. Domestic cold water, interior storm lines, interior condensate drain piping including that from HVAC roof-top units and waste water pump discharge.
1. All piping (above finished floor) shall be covered with Armacell AP/Armaflex pipe insulation 1/2" thick in accordance with ASTM C-534 grade 1, Type I for tubular materials and grade 1, II for sheet material.
2. All joints shall be sealed with approved manufacturers adhesive.
3. All lines running outdoors shall have insulation protected from weather by two (2) coats of manufacturers approved finish.
4. Acceptable Alternate Manufacturer: Kaolphen K CFC Free Phenolic foam, or Aerocel (by Aeroflex International Co.) closed cell Elastomeric thermal insulation.
5. Fiberglass pipe insulation, rigid (not wrap type), one inch thick with built-in vapor barrier may be used in lieu of Armacell product specified on interior storm lines, interior domestic water lines, interior condensate drain piping from HVAC units and interior water waste pump discharge lines. Acceptable manufacturers are Armstrong, Certainteed, Johns-Mansville, Knauf, and Owens-Corning.
2.02 DUCTWORK INSULATION
A. All ductwork shall be insulated, including but not limited to supply, return, exhaust, relief transfer duct, etc. (Dew point can be reached)
B. Ductwork Below Roof: The insulation shall consist of one layer 2" thick of Owens-Corning Type 75, .75 lbs./cu. Ft. density, with an installed R-value of 5.6 and vapor jacket. Acceptable Alternate Manufacturer: Johns-Manville, Armstrong, Certainteed and Knauf.
C. Ductwork Above Roof Line: Similar to "B" except 3" thick insulation with an insulated R-value of 8.3 and waterproof jacket.
D. Internally lined ductwork is "not acceptable" in any ductwork including main drops from the roof-top units.
2.03 INSULATION RATINGS
Flame spread shall be 25 or less.
B. Smoke developed shall be 50 or less.
PART III – EXECUTION
3.01 INSTALLATION
A. Install materials in accordance with the manufacturer's instructions.

SECTION 15300 – FIRE PROTECTION

PART I – GENERAL

1.01 DESCRIPTION
Rework the existing fire protection system as required to accommodate the remodeled space and satisfy the local code authority. (All new work to be as specified in the following section or as required by the local code authority.)
A. Division 1, General Requirements, and Section 15050, Basic Mechanical Materials and Methods, shall be considered a part of these specifications.
B. When the local fire construction the fire protection systems work includes, but is not limited to, the following:
1. Furnish and install complete with all related items, fire suppression systems, designed and fabricated by a firm regularly engaged in this type of work and employing workmen skilled in the trades involved.
2. Systems shall be in accordance with the latest guidelines of Factory Mutual Fire Insurance Company, the National Fire Protection Association (N.F.P.A.), the state inspection bureau, and all local agencies having jurisdiction. It will be this contractor's responsibility to provide all systems complete and operable.
1.02 SUBMITTALS
A. Submit for Walgreen Co. approval, the Fire Suppression Plan FP1.1 prior to submitting any fire protection permit documents required by the authorities having jurisdiction. Submit to Walgreen Co. and the Architect/Engineer of Record, complete shop drawings of the entire Fire Protection System before starting work.
PART II – PRODUCTS
2.01 GENERAL
A. All materials and devices essential to the successful operation of the Fire Suppression System shall be listed with the exception of steel pipe which shall conform to NFPA 13 Table 6.3.1.1. Backflow preventers shall be either UL Listed or classified.
2.02 FIRE DEPARTMENT CONNECTION
A. Provide flush brass-bodded 2-way connection with hose threads, drain, brass inlet caps with chains as approved by local fire jurisdiction.
2.03 AUTOMATIC SPRINKLERS
A. The manufacturer shall warrant assemblies for ten (10) years against defects in material and workmanship. Temperature rating of sprinkler shall be based on the maximum ambient temperature of the environment in which it is installed.
B. Listed corrosion-resistant sprinklers shall be installed in locations where chemicals, moisture or other corrosive vapors sufficient to cause corrosion of such devices exist.
2.04 ACCESSORIES
A. Provide alarm bells, valves, drains, flow switches, & all other items required for a complete fire alarm system.
B. Provide permanently marked, waterproof metal or rigid plastic identification signs or placards secured with corrosion-resistant chain at all valves.
PART III – EXECUTION
3.01 INSTALLATION
A. General: Installation of the private service main shall conform to local requirements and shall be in accordance with requirements of Section 15400, Plumbing of the specifications.
B. Protection: Underground piping cover shall be measured from top of pipe to finished grade with due consideration given to future or final grade and nature of soil. Top of pipe shall be no less than one foot below local frost line. Minimum cover shall be 3 feet below pavements. No piping shall run under buildings except for fire service main shall be permitted to enter the building adjacent to the foundation. Back filling which shall be tamped in layers to prevent lateral movement or settlement and shall contain no ashes,inders, refuse, organic, corrosive, or frozen materials. In trenches cut through rock, tamped granular backfill shall be provided a minimum of 6 inches under and around piping with a minimum of 2 feet of granular cover.
C. Contamination: System components shall be free of rust and other contaminants and clean inside and out.
D. System Entrance: Installation of the riser and trim for all its components shall be as compact as possible to conserve floor space.
E. Fire Department Connection: No exterior component of the Fire Suppression System shall be located within any fenced or walled area and shall be readily visible from the parking lot. Coordinate the locations of the fire department connection and exterior alarm device with the local fire jurisdiction and Architect of Record.
F. Piping in General: All pipes shall be properly graded to provide for easy draining. They must be thoroughly reamed and cleaned before installation. This contractor shall consult and cooperate with other piping contractors as to obtain the proper grouping of pipes and to avoid interference. Pipes run overhead shall be placed as close to the ceiling as possible to maintain proper headroom & to present a neat appearance, all consistent with the correct pitching of pipes. The plumbing contractor shall consult with the construction superintendent before installation of any pipe lines which will reduce the proper headroom in any way. Piping shall be run as shown on the drawings, but the construction superintendent reserves the right to make slight changes (without extra charge) to avoid conflict with other work.
G. Vent Pipes: All vent pipes that pass through roof openings shall be kept at a reasonable distance from the walls to permit proper application of built up roofing and base and counter-flashings. All vent pipes shall be flashed with 3-ply sheet lead turned down into pipe.
H. Floor Drains: Furnish and install all floor drains.
I. Cleanouts: Full sized brass screw plugs, cleanout plugs shall be furnished and installed at the foot of all soil and waste stacks, internal downspouts and at all points where necessary to permit the entire drainage system to be rodded out easily. Provide cleanouts at every turn in the waste line.
J. Connections to Equipment: Furnished by Walgreen Co. This shall include all hot and cold water, waste, and vent piping required to completely connect to equipment.

3.02 TESTING, INSPECTION AND ACCEPTANCE

A. Flushing: Underground, or other water supply piping, shall be completely flushed before connection is made to downstream fire suppression system piping. The flushing operation shall be continued for a sufficient time to ensure thorough cleaning. Minimum rate of flow shall be not less than the hydraulically calculated water demand rate of the system, including any hose requirements, the flow necessary to provide a velocity of 10 feet per second or the maximum flow rate available to the system under fire conditions.
B. System test: Purge system of air prior to filling with supply water. After completion of the installation, the entire system shall be tested and inspected to meet the approval of the authorities having jurisdiction. Contractor's material and test certificate shall be completed in accordance with NFPA 13.
C. Fire Department Connection: Inspect for visibility and accessibility. Firmly secure caps to resist casual vandalism. Verify that swivels have freedom of movement, hose threads are clean and in good condition, and that the check valve in the connection piping is not obstructed or leaking.
D. System drainage: Verify exterior discharge points of main drain and inspector's test station for visibility, access and hard surface for conveying discharge water to pavement for drainage.
E. System documentation: Complete hydraulic design placard information and affix to system riser. Complete all component identification signage; collect system documentation, including but not limited to, approved shop drawings, hydraulic calculations, material & test certificates & acceptance letters. Insert all documents in folder.

SECTION 15400 – PLUMBING

PART I – GENERAL

1.01 DESCRIPTION
Rework the existing plumbing system as required to accommodate the remodeled space & satisfy the local code authority. See Walgreen Co. plumbing fixture schedule when new fixtures are required. (All new work to be as specified in the following section or as required by the local code authority.)
A. Division 1, General Requirements, and Section 15050, Basic Mechanical Materials and Methods, shall be considered a part of these specifications.
B. Codes, Ordinances, and Permits: All permits, connection fees, tap fees, licenses, approvals, and other arrangements including plumbing and riser diagrams, if required, shall be obtained by the plumbing contractor at his expense. Should any changes be necessary in the drawings, or specifications, to secure such approval, this contractor shall include in his bid all costs for such changes to comply with these departments, without extra costs to Walgreen Co. It will be this contractor's responsibility to provide all systems complete and operable.
C. Scope of Work: Contractor shall furnish all materials, tools, equipment, labor, and services and pay all costs of whatever nature, as may be necessarily expended, for a proper workmanlike and fully operable installation, and completion of all plumbing and related. The plumbing contractor shall provide the following within, beneath and up to 5 feet beyond the building(s):
1. Complete system of sanitary, soil, waste, and vent piping connecting each and every plumbing fixture or other piece of equipment requiring same, with sanitary sewer including pipe, fittings, and other necessary appurtenances.
2. Complete systems shall be connected to adequate source of supply or disposal of the local public utility company or municipality commonly serving the area. It will be the contractor's responsibility to provide all systems complete and operable.
3. Complete system of cold water distribution piping and piping for domestic water connecting to each and every plumbing fixture or other pieces of equipment requiring same, including shut-off valves (for each piece of equipment), hangers, supports, and other necessary appurtenances.
4. Connections to the supply lines of the fixtures and outlets for equipment furnished by Walgreen Co.
5. All floor and wall sleeves.
6. All plumbing fixtures, except as hereinafter noted.
7. Water heaters/water coolers.
1.02 SUBMITTALS
A. This contractor shall submit product data for all plumbing fixtures, trim and accessories.
1.03 QUALITY ASSURANCE
A. At Walgreen's discretion, any store where the sewer/drainage system operation, installation or material are considered "suspect" shall be inspected, at the Landlord's /Contractor's expense, using a sewer line video camera. All necessary repairs will be made at the Landlord's/Contractor's expense.

PART II – PRODUCTS

2.01 PIPING & VALVES
A. All sanitary sewers below floor shall be standard weight cast iron soil pipe.
B. All rough-in below floor for plumbing fixtures, including all waste lines and all branch soil pipe from plumbing fixtures, shall be standard weight cast iron pipe.
C. All waste and vent piping above floor 2 inches and smaller to be Type "M" copper pipe with DWV wrought copper fittings.
D. All hot and cold water lines within the building above floor shall be copper tubing with copper fittings, type "L." All fittings and couplings shall be soldered.
E. Where such use is acceptable to the authority having jurisdiction, all storm and sanitary lines and fittings both below and above floor may be schedule 40 PVC DWV with solvent welded joints.
F. Isolation Valves shall be Jomar Model T/S100 ball type (or equal).
2.02 DRAINS
A. Drains shall be 3-inch Zurn Z-415 with type "B" strainer, cast iron body, bottom outlet, 6 inch diameter, nickel-bronze strainer. Acceptable alternate manufacturers – Josam, Smith and Wade.
2.03 CLEANOUTS
A. Cleanouts appearing in finished floors to be Zurn ZN-1400 which must finish flush with finished floor. Cleanouts appearing in finished walls to be Zurn ZN-1441 or ZN-1443 which must finish flush with finished wall. Soil and waste piping run in the earth under the first floor slab shall have cleanouts of double eighth bends and finish flush with floors. All cleanouts must be in accessible location. Acceptable alternate manufacturers – Josam, Smith and Wade.
2.04 PLUMBING FIXTURES
A. Contractor shall furnish and install all plumbing fixtures (except as hereinafter noted).
2.05 WATER HEATING (When required – Provide or extend recirculation system or provide a 6 gallon storage type water heater)
A. Storage type:
1. Water Heater: Provide water heater(s) as shown on plumbing drawings.
2. Combination temperature and pressure relief valve, ASME rated, McDonnell and Miller 202-NF 125-195 degrees or Watt 140-210 degrees, where fusible plug type is required by local code.
3. Pipe relief outlets to drain.
4. Thermometer on hot water supply from water heater. Range: 30 to 240 F.

PART III – EXECUTION

3.01 INSTALLATION
A. Cold Water Supply: Provide a cold water supply and meter, or meters. If water pressure exceeds 80 PSI, this contractor to furnish and install pressure reducing valve on main domestic service line set for 65 PSI.
B. Piping in General: All pipes shall be properly graded to provide for easy draining. They must be thoroughly reamed and cleaned before installation. This contractor shall consult and cooperate with other piping contractors as to obtain the proper grouping of pipes and to avoid interference. Pipes run overhead shall be placed as close to the ceiling as possible to maintain proper headroom & to present a neat appearance, all consistent with the correct pitching of pipes. The plumbing contractor shall consult with the construction superintendent before installation of any pipe lines which will reduce the proper headroom in any way. Piping shall be run as shown on the drawings, but the construction superintendent reserves the right to make slight changes (without extra charge) to avoid conflict with other work.
C. Vent Pipes: All vent pipes that pass through roof openings shall be kept at a reasonable distance from the walls to permit proper application of built up roofing and base and counter-flashings. All vent pipes shall be flashed with 3-ply sheet lead turned down into pipe.
D. Floor Drains: Furnish and install all floor drains.
E. Cleanouts: Full sized brass screw plugs, cleanout plugs shall be furnished and installed at the foot of all soil and waste stacks, internal downspouts and at all points where necessary to permit the entire drainage system to be rodded out easily. Provide cleanouts at every turn in the waste line.
F. Connections to Equipment: Furnished by Walgreen Co. This shall include all hot and cold water, waste, and vent piping required to completely connect to equipment.
3.02 TESTING
A. Domestic Hot and Cold Water Systems: 100 PSI (minimum) air for one hour without leakage.
B. Sewer Systems: 10 feet (minimum) hydrostatic for one hour without leakage.

SECTION 15500 – HEATING, VENTILATING, AND AIR CONDITIONING

PART I – GENERAL

1.01 DESCRIPTION
Rework the existing HVAC system as required to accommodate the remodeled space and satisfy the local code authority. The HVAC system shall be capable of maintaining the remodeled space at the conditions specified on criteria drawing M1.1. (All new work to be as specified in the following section or as required by the local code authority.)
A. Section 15050, Basic Mechanical Materials & Methods, shall be considered a part of these specifications.
B. Codes, Ordinances, and Permits: The air conditioning and heating contractor shall promptly obtain all permits, arrange for all necessary inspection, and furnish a certificate of inspection and approval from the public authorities having jurisdiction, at this contractor's expense, before any work has been started. Should any changes be necessary in the drawings or specifications to secure such approval, this contractor shall include in the base bid all costs for such changes, to comply with these departments before any work has been started, without additional costs to Walgreen Co.
C. Work under this section of the specifications includes the furnishing of all labor and material to complete the heating, ventilating, and air conditioning system.
D. All components of equipment in this section and all devices installed on those units shall be accessible for service.
1.02 SUBMITTALS
A. This contractor shall submit to Walgreen Co. product data of the packaged roof-top HVAC units before starting work.
1.03 WARRANTY
A. All warranties shall be of the length indicated & commence from the date of acceptance by Walgreen Co.
B. One (1) year on the packaged units and electric strip heaters.
C. Five (5) years on the compressors.
D. Complete systems shall be protected with protective coating.
E. Ten (10) years on natural gas heat exchangers in all HVAC equipment.

PART II – PRODUCTS

2.01 ROOFTOP HEATING, VENTILATION, AND AIR CONDITIONING UNITS (When required)
A. Units shall be packaged combination heating and cooling type, consisting of compressor section, air-cooled condenser section, cooling section, heating section, air handling section, mixing box/filter section assembled on a common base. Provide units complete with control panels, baffles, and prewired. All compressor motors to have thermal overload, over and under voltage protection (loss-of-phase protection) on three legs (factory installed and wired). Furnish factory installed non-fused disconnect switches, internal/integral type. Units shall be UL listed and A.G.A. approved. Acceptable manufacturers – Carrier, Lennox, Trane and York.
B. Units shall be A.G.A. approved and be a complete automatic heater. Controls furnished with the unit shall be supplied for the specific gas type and specification and in accordance with local utility regulations.
C. The heat exchanger shall be an integral, completely welded aluminum steel unit composed of venturi-shaped, baffle-free sections welded to top and bottom header plates. Flue gases shall be power vented. Separated combustion type shall be used when indicated with integral exhaust/combustion air inlet and concentric adapter.
D. Controls to include fan and limit controls, electronic ignition, pressure regulator, & shut-off cocks.
E. Where natural gas is available near the site, utilize natural gas furnaces and, where applicable, the following exceptions and constraints:
1. Sites in the Southern Co. territory, (which includes: Mississippi Power, Alabama Power, Georgia Power, Savannah Electric and Gulf Power) shall be designed as "All Electric Store", (which will utilize heat pumps & supplemental resistance heat).
F. Unit shall be capable of fully automatic operation with ambient temperatures down to about (standard with manufacturer) 25' F for refrigeration cycle.
G. Rooftop units shall have factory-installed economizers with pressure relief dampers when specified on the mechanical drawings, or as required by local code. Units with economizers shall have differential enthalpy based control that optimizes the use of outdoor air for free cooling. A fixed enthalpy or dry bulb based control should not be used.
H. Unit sizes 7 1/2 ton and above shall be two-stage heating (medium and high) and two-stage cooling, complete with multiple refrigeration circuits and time delay.
I. All units shall be provided with roof curbs, at least 14" high. The roof curbs shall include a wood nailer, a galvanized sheet metal cap with space between for at least 3/8 inch thick roof flashing material. The roof curbs may be without insulation. Top of roof curb shall be installed level, shimmied from beneath so top of curb will be at least 12" higher than all adjacent roof surfaces.
J. Units shall be controlled by individual 24/7 programmable electronic thermostats furnished with the HVAC units and of the same manufacturer as the HVAC unit. The thermostats shall have programmable times/days for "OCCUPIED" and "NOT OCCUPIED" modes of operation that communicate to the controls for the outside air dampers.
K. Provide 2 sets of throwaway air filters, not less than MERV 6, with one set to be used during construction and the second set to be installed after substantial completion of construction.
L. External High-Low pressure cut-outs, factory installed, are required on all rooftop units.
M. Where such use is acceptable to the authority having jurisdiction, all storm and sanitary lines and fittings both below and above floor may be schedule 40 PVC DWV with solvent welded joints.
N. Provide crankcase heaters for all Trane units. Provide crankcase heaters on Carrier units with a humidifier.
O. For all projects in Puerto Rico and those projects in the 50 United States, 5 miles (or less) from all salt water coastlines, bays, tributaries, etc. furnish each unit with standard aluminum fins, copper tubing condenser coil(s) with Carrier E-Coat, Lennox E-Coat, Trane-Epoxy or York-Technicoat condenser coil treatment.
P. Housings shall be painted & weatherproof w/ gasketed hinged access doors & factory insulated.
Q. Units shall have belt driven evaporator fans with adjustable pitch. If not available, then direct drive will be acceptable.
R. A duct smoke detector (SD) shall be furnished and factory installed in each unit having a capacity greater than 2,000 cfm on the return and/or supply as required by the governing building code and the authority having jurisdiction. The duct smoke tube(s) as required for proper smoke detection. Each SD shall be factory wired to stop the respective fan upon detecting the presence of smoke. On each RTU with a factory installed duct smoke detector, provide and accessible wiring termination board for the specified remote test/reset station.

2.02 GAS PIPING

A. The heating contractor (unless local jurisdiction requires the plumbing contractor) shall provide a complete system of gas piping extending to all equipment requiring the same.
1. Include valves, pipes, fittings, hangers, supports, regulators, dirt legs, and all other necessary appurtenances. Valves shall be at each piece of equipment.
2. Rough-in and connect all fixtures and equipment furnished by Walgreen Co., include all gas piping required to completely connect the equipment.
3. All gas piping shall be standard weight malleable iron fittings and run within building, generally above ceilings, out through roof.
4. Valves shall be Jomar Model T/S100 ball type (or equal).
5. Test piping systems per Utility Company requirements.

2.03 CONDENSATE DRAIN

A. This contractor shall furnish and install a condensate drain line with condensate control device (Costgard) from each air conditioning unit. All piping shall be PVC Schedule 40. Condensate piping shall be supported as per manufacturers recommendations.

PART III – EXECUTION

3.01 INSTALLATION
A. Work shall be in accordance with the manufacturer's instructions.
B. For occupied operation, set the minimum position of the outside air intakes to the airflow shown on the equipment schedules, not less than required by the applicable code.

SECTION 15880 – AIR DISTRIBUTION

PART I – GENERAL

1.01 DESCRIPTION
Rework the existing HVAC duct work as required to accommodate the remodeled space and satisfy the local code authority. (All new work to be as specified in the following section or as required by the local code authority.)
A. Section 15050, Basic Mechanical Materials and Methods and Section 15250, Mechanical Installation, shall be considered a part of these specifications.
B. All licenses, stamping, approvals, and arrangements for work shall be obtained by the sheet metal contractor, at his expense, before any work has been started. Should any changes be necessary in the drawings or specifications to insure such approval, this contractor shall include in his base bid all costs for such changes, to comply with these departments before any work has been started, without additional cost to Walgreen Co.
C. Scope of Work: The ventilation work includes, but is not limited to, the following:
1. Air conditioning fresh air ducts, return air ducts, insulation, grilles, supply air unit filters, fans, motors, supply air ducts, diffusers, manual dampers, & fire dampers.
2. Exhaust/ventilation system fans, blowers, ducts, grilles, diffusers, dampers, etc.
3. All roof curbs required for duct openings through roof.

Walgreens FACILITIES PLANNING, DESIGN, & ENGINEERING
106 WILMOT ROAD
DEERFIELD, IL 60015-5105
PROJECT TYPE
DRAWINGS/SPECIFICATIONS BY:
[] WALGREENS CONSULTANT
[] LANDLORDS CONSULTANT
ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
[] WALGREENS CONTRACTOR
[] LANDLORDS CONTRACTOR (TURNKEY CONSTRUCTION)
LOCATION BUILDING
NEW []
REMODELING [] NEW []
RELOCATION [] EXISTING []
OTHERS [] NEW SHELL ONLY []
NO. DATE BY DESCRIPTION CONST
REVISIONS
CERTIFICATION AND SEAL
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS. SIGNED BY MY HAND AND SEAL.
LOCATION NUMBER XXXXX
PROJECT NAME
WALGREENS ON SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE
DRAWING TITLE
MECH., ELEC. & PLUMBING SPECIFICATIONS
CADD PLOT: SCALE: AS SHOWN DRAWING NO.
DRAWN BY:
DATE: 8.8.12 R005
SUPERSEDES
PLAN DATED: REVIEWED BY:
OF DWGS.



FACILITIES PLANNING, DESIGN, & ENGINEERING
106 WILMOT ROAD
DEERFIELD, IL 60015-4616

PROJECT DATA

TYPE	DEPARTMENTS
NEW LOCATION	GENERAL SALES
EXIST'G BLDG	PHARMACY
	REMODEL
	OTHER

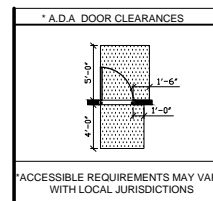
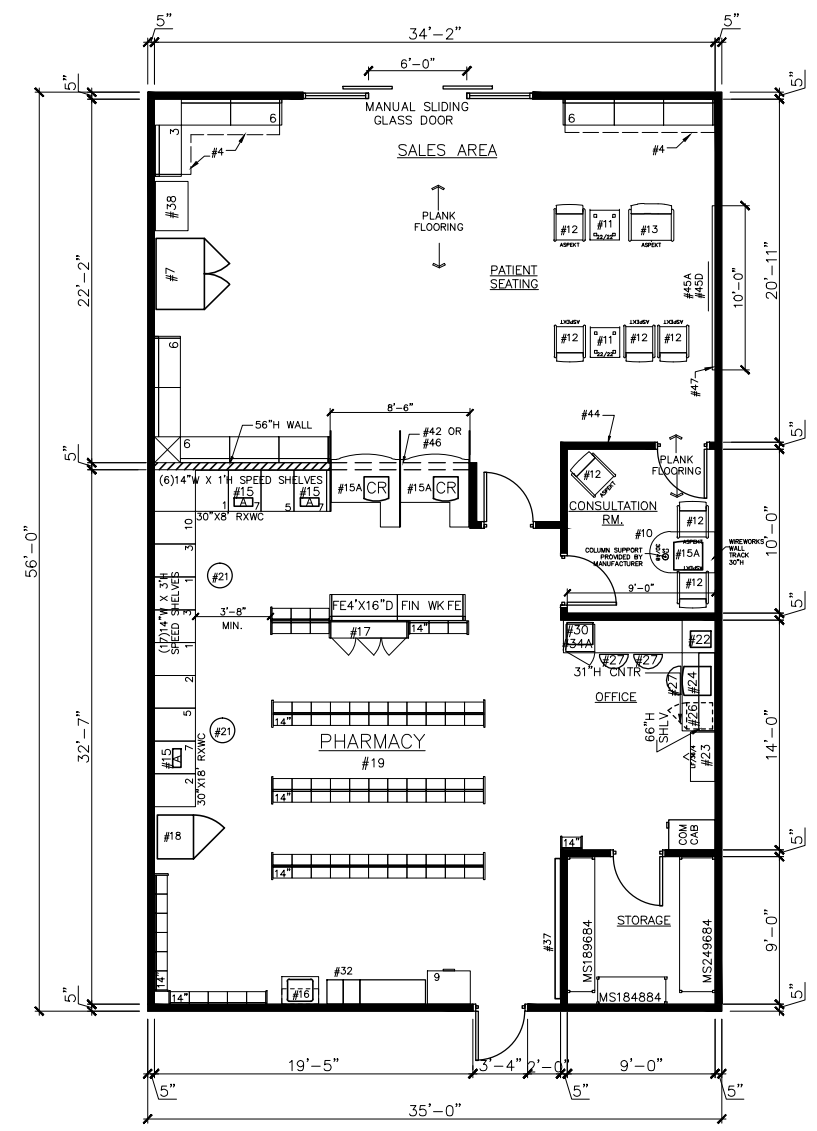
SQUARE FOOT AREA SUMMARY

DEPARTMENT	SALES	STOCK	SERVICE	TOTAL EXIST'G	TOTAL NEW
SALES	NEW	0	0	0	0
	EXIST'G				
PHAR-MACY	NEW	0			0
	EXIST'G				
PATIENT SEATING	NEW	0			0
	EXIST'G				
CONSULTATION ROOM	NEW	0	0		0
	EXIST'G				
MISC	NEW	0	0		0
	EXIST'G				
TOTAL NEW		0	0		0
TOTAL EXST'G					

TOTAL AREA: FIRST FLOOR 0 SQ.FT.
TOTAL AREA: OTHER LEVELS 0 SQ.FT.
GROSS AREA INCLUDING ALL DEPARTMENTS & ALL LEVELS: 0 SQ.FT.
RX SHELVING LINEAL FEET: 0 LN.FT.

GENERAL NOTES

- SALES:
1. N/A
2. N/A
3. N/A
4. SALES AREA CORNICE (FIXTURE MOUNTED)
5. N/A
6. N/A
7. MASTER-BILT REACH-IN REFRIGERATION: (ADD 2" AT EACH END, FOR END PANELS)
8. N/A
- CONSULTATION:
9. N/A
10. 30X48 PENINSULA WORKSURFACE
W/SUPPORT COLUMN
**ATTACH WORKSURFACE WITH WIREWORKS
WALL TRACK, 30"H**
- PATIENT SEATING:
11. (2)SIDE TABLE
12. (5) GUEST CHAIR-PATIENT SEATING, (3) CONSULTATION CHAIRS
13. (1) BARIATRIC CHAIR- PATIENT SEATING
14. (1) KIOSK AND (1)CHAIR
- PHARMACY:
15. COMPUTER TERMINAL
15A: INTERCOM PLUS TERMINAL
15B: PC & INTERCOM PLUS TERMINAL-NO SCANNER
16. RX SINK AND CABINET
17. CRX CABINET
18. RX REFRIGERATOR
19. CARPETED FLOOR WITH RUBBER RUNNERS, RX UNDERCOUNTER INSERTS: (SEE ROOM FINISH SCHEDULE)
RX UNDERCOUNTER INSERTS:
1 - RX 3 DRAWER VIAL INSERT
2 - RX 3 DRAWER FILE INSERT
3 - RX OPEN INSERT
4 - RX CONSULTATION COUNTER UNIT
5 - RX PRINTER INSERT
6 - RX 5 DRAWER FILE INSERT
7 - RX OPEN INSERT WITH CPU SHELF
7A - RX OPEN INSERT WITH CPU SHELF (34"H)
8 - RX WILL CALL CABINET
9 - RX 10 DRAWER FILE CABINET
10 - UNDER COUNTER FREEZER: 23 1/2"W X 23 1/2"D X 33 1/4"H
20. PILL COUNTER
20A. YUYAMA
20B. PARATA
21. (2)PHARMACY STOOL
- OFFICE:
22. PRINTER
23. LATERAL FILE
24. OFFICE P.C. & P.O.S. TERMINAL W/ TWO PORT KVM SWITCH TO GO BETWEEN THE TWO (ONE FLAT PANEL MONITOR, ONE KEYBOARD & ONE MOUSE)
25. N/A
26. UNDER COUNTER SAFE
27. (3) OFFICE CHAIR
28. N/A
29. N/A
30. MICROWAVE
31. N/A
32. EMPLOYEE LOCKERS: (1) 48"W COAT LOCKER W/ PERFORATED DOORS, (2) 6 TIER BOX LOCKER
33. N/A
34. UNDER COUNTER REFRIGERATOR
34A. 27"H
34B. 33 1/4"H
35. N/A
36. N/A
- MISCELLANEOUS:
37. ELECTRICAL / PHONE PANELS (IF REQ'D)
38. VENDOR RACK/COOLER
39. N/A
40. N/A
41. N/A
- DECOR ITEMS:
42. SOFFIT ABOVE PHARMACY WALL @ 1'-0" AFF, APPLY WHITE LETTERING DECAL
43. LOCATION OF 12" MORTAR & PESTLE SIGN: MOUNTED @ 5'-6" AFF
44. LOCATION OF 24" MORTAR & PESTLE SIGN: MOUNTED @ 5'-0" AFF
45. LOCATION OF LCD SCREEN
45A. 32"LCD SCREEN
45B. 42" LCD SCREEN
45C. CEILING MOUNTED
45D. WALL MOUNTED
46. BLUE GRAPHIC VALANCE WITH TAGLINE
47. WAINSCOT LOCATED ON WALL BEHIND PHARMACY SEATING. (SEE DECOR OPTIONS)



EXECUTIVE APPROVAL	DATE
MARKET VICE PRESIDENT	
PHARMACY SERVICES	
REVIEWED BY:	

FIXTURE LEGEND
G 1818 36 66" GONDOLA D. W. H. (EA. SIDE)
GE 18 39 66" GONDOLA D. W. H. END
WS 18 36 84" WALL D. W. H. SHLVG

REVISIONS
NO. DATE BY DESCRIPTION CONST

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF XXXXXXXX AS SIGNIFIED BY MY HAND AND SEAL.

LOCATION NUMBER 00000

PROJECT NAME
WALGREENS ON-SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE

DRAWING TITLE
FIXTURE FLOOR PLAN

CADD PLOT: ABCDEFGHIX01
VOID PLOT: ABCDEFGHIX00
SUPERSEDES PLAN DATED: XXXXXX

SCALE: 3/16"=1'-0"
DRAWN BY: NAME
DATE: 8.8.12
REVIEWED BY: NAME

DRAWING NO. D111



FACILITIES PLANNING, DESIGN, & ENGINEERING
106 WILMOT ROAD
DEERFIELD, IL 60015-5105

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANT
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)


LOCATION		BUILDING	
NEW	<input type="checkbox"/>	NEW	<input type="checkbox"/>
REMODELING	<input type="checkbox"/>	EXISTING	<input type="checkbox"/>
RELOCATION	<input type="checkbox"/>	NEW SHELL ONLY	<input type="checkbox"/>
OTHERS	<input type="checkbox"/>		

DEMOLITION KEYED NOTES

①

DESCRIPTION

--- ITEMS TO BE REMOVED

 ITEMS TO BE REMOVED

NO.	DATE	BY	DESCRIPTION

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF XXXXXXXX AS SIGNIFIED BY MY HAND AND SEAL.


LOCATION NUMBER XXXXX

PROJECT NAME
WALGREENS ON SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE

DRAWING TITLE
DEMOLITION FLOOR AND CEILING PLAN

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CHRISTI ONDO	AD111
SUPERSEDES PLAN DATED:	DATE: 8.8.12	
	REVIEWED BY:	OF DWGS.

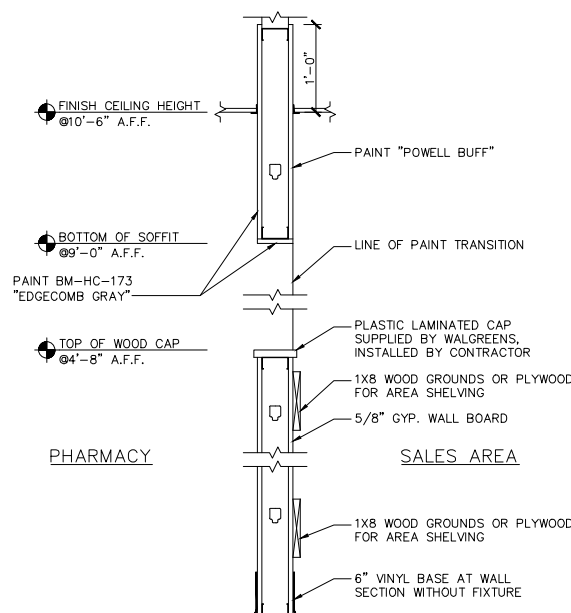
1 DEMOLITON FLOOR PLAN
1/8" = 1'-0"





1 FLOOR PLAN
1/4" = 1'-0"

- FLOOR PLAN KEYED NOTES**
- SEE D111 FIXTURE PLAN FOR NEW FIXTURE LAYOUT.
 - PREP FLOOR AS REQUIRED FOR NEW CARPETING & VINYL BASE
 - PREP FLOOR AS REQUIRED FOR NEW VINYL PLANKING AND VINYL BASE. CLEAN AND SEAL FLOORING PER MANUFACTURERS RECOMMENDATIONS.
 - EXPOSED CONCRETE, PROVIDE CONCRETE HARDBR / SEALER.
 - CORNER GUARD AT OUTSIDE CORNER.
 - PAINT ON WALLS - SEE ROOM FINISH SCHEDULE, ELEVATIONS AND SPECIFICATIONS.
 - DIRECTION OF PLANK FLOORING
 - PAINT "POWELL BUFF"
 - LINE OF SOFFIT ABOVE.
 - LINE OF FLOORING CHANGE.
 - KNEE WALL AT 4'-8" A.F.F. WITH LAMINATED CAP.
 - PHARMACY SINK AND CABINET FURNISHED BY WALGREENS. SEE PLUMBING DRAWINGS.
 - ALL MECHANICAL AND ELECTRICAL WORK TO BE CONCEALED IN FINISHED SURFACE CAVITIES. CUT AND PATCH EXISTING AS REQUIRED TO RECEIVE NEW FINISH.
 - PROVIDE 3/4"x8' FIRE RETARDANT PLYWOOD BLOCKING FOR TELEPHONE BOARD - PAINTED WHITE.
 - DEMISING WALLS SHALL BE FULL SECURITY MESH TO ROOF DECK
 - PROVIDE 3/4" PLYWOOD BLOCKING UNDER GWB AND PROVIDE POWER FOR PLASMA SCREEN TV. SEE INTERIOR ELEVATIONS FOR BLOCKING LOCATION. SEE ELECTRICAL DRAWINGS FOR POWER LOCATION.
 - REFRIGERATOR. SUPPLIED BY WALGREENS.
 - VENDING MACHINE PROVIDED BY WALGREENS.
 - UNDER COUNTER SAFE BY WALGREENS.
 - EXISTING GWB TO BE PATCHED AND REPAIRED AS REQUIRED. PREP FOR NEW PAINT. PAINT TO MATCH EXISTING WALL.



2 DETAIL AT PARTIAL HEIGHT WALL
1" = 1'-0"

Walgreens
FACILITIES PLANNING, DESIGN, & ENGINEERING
106 WILMOT ROAD
DEERFIELD, IL 60015-5105

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS CONSULTANTS
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION	BUILDING
NEW	NEW
REMODELING	EXISTING
RELOCATION	NEW SHELL ONLY
OTHERS	

1G-10A PARTITION SCHEDULE, LEGEND & CEILING DATA

ABBREVIATIONS

C: TO MIN. 12" ABOVE CLG.
R: TO ROOF DECK (OR FLOOR ABOVE), AIR TIGHT FIRECODE GWB.
GWB: GYPSUM WALLBOARD
WR: WATER RESISTANT (PLUMBING WALLS).
R: TO ROOF DECK (OR FLOOR ABOVE).

LEGEND

SYMBOL	DESCRIPTION
[Symbol]	3-5/8"x 22 GA. MTL. STUDS, 24" O.C. TO ROOF DECK (SECURE TO ROOF FRAMING) WITH 5/8" GWB ON EACH SIDE TO ROOF DECK.
[Symbol]	3-5/8" OR 6"x 22GA. MTL. STUDS, 24" O.C. WITH 5/8" GWB ON BOTH SIDES TO 12" ABOVE ACOUSTICAL CEILING HEIGHT WITH SOUND ATTENUATION BATT INSULATION.
[Symbol]	3-5/8"x 22GA. MTL. STUDS, 16" O.C. TO 4'-8" A.F.F. WITH 5/8" GWB ON BOTH SIDES. INSTALL LAMINATED CAP.
[Symbol]	3-5/8" OR 6"x 22GA. MTL. STUDS, 24" O.C. WITH 5/8" GWB BOTH SIDES. PROVIDE WATER RESISTANT GWB @ WET LOCATIONS.

WHERE THE PHARMACY WALL IS ALSO A DEMISING WALL, WIRE MESH IS TO BE INSTALLED THE FULL LENGTH AND HEIGHT OF THE WALL, FROM FINISH FLOOR TO ROOF DECK.

GENERAL CRITERIA NOTES

THIS PLAN REPRESENTS THE TYPICAL REQUIREMENTS OF A WALGREENS ON-SITE PHARMACY, BASED UPON ASSUMED TYPICAL CONDITIONS.

FINISH SPECIFICATIONS

SEE SPECIFICATIONS SHEETS AND ROOM FINISH SCHEDULE FOR FINISH SPECIFICATIONS.

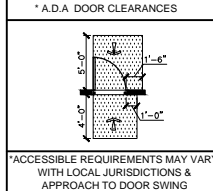
NO.	DATE	BY	DESCRIPTION
REVISIONS			

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS AS SIGNIFIED BY MY HAND AND SEAL.

LOCATION NUMBER XXXXX

PROJECT NAME
WALGREENS ON-SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE



DRAWING TITLE
FLOOR PLAN & DETAILS

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CNO	A111
SUPERSEDES PLAN DATED:	DATE: 8.8.12	OF DWGS.
	REVIEWED BY:	

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANT
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION	BUILDING
NEW <input type="checkbox"/>	NEW <input type="checkbox"/>
REMODELING <input type="checkbox"/>	EXISTING <input type="checkbox"/>
RELOCATION <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHERS <input type="checkbox"/>	

REFLECTED CEILING LEGEND

- SEE MECHANICAL & ELECTRICAL DRAWINGS
- 1X4 FLUORESCENT LIGHTING - SEE LIGHTING SCHEDULE (DRAWING E111) FOR FIXTURES NOTED.
 - 2X4 FLUORESCENT LIGHTING - SEE LIGHTING SCHEDULE ON ELECTRICAL SHEET FOR FIXTURES NOTED.
 - EXIT LIGHTING
 - SUPPLY AIR
 - RETURN AIR
 - SPEAKER
 - SPRINKLER HEAD
 - NEW SOFFIT CONSTRUCTION

CRITERIA NOTES

- IF HOSPITAL / FACILITIES STANDARDS ARE NOT IN PLACE, THE FOLLOWING CEILING SPECIFICATIONS WILL APPLY. PLEASE SUBMIT SAMPLES OF HOSPITAL / FACILITY STANDARDS WHEN THEY EXIST.
- DEPENDING ON THE CONDITION OF EXISTING MATERIALS, RE-USE EXISTING ACT AND GRID WHERE APPROPRIATE. CEILING HEIGHT SHALL REMAIN EXISTING.

CEILING SPECIFICATIONS

CEILING:
ACOUSTICAL CEILING TILE MANUFACTURER: ARMSTRONG
TILE: FINE FISSURED HUMIGAURD #1729, TYPE III
FORM: 2 PANELS
COLOR: WHITE
SIZE: 24"X48"X5/8"
EDGE: SQUARE-CUT LAY-IN
COMPLY WITH ASTM 635 AND ASTM 636

NO.	DATE	BY	DESCRIPTION
REVISIONS			

CERTIFICATION AND SEAL

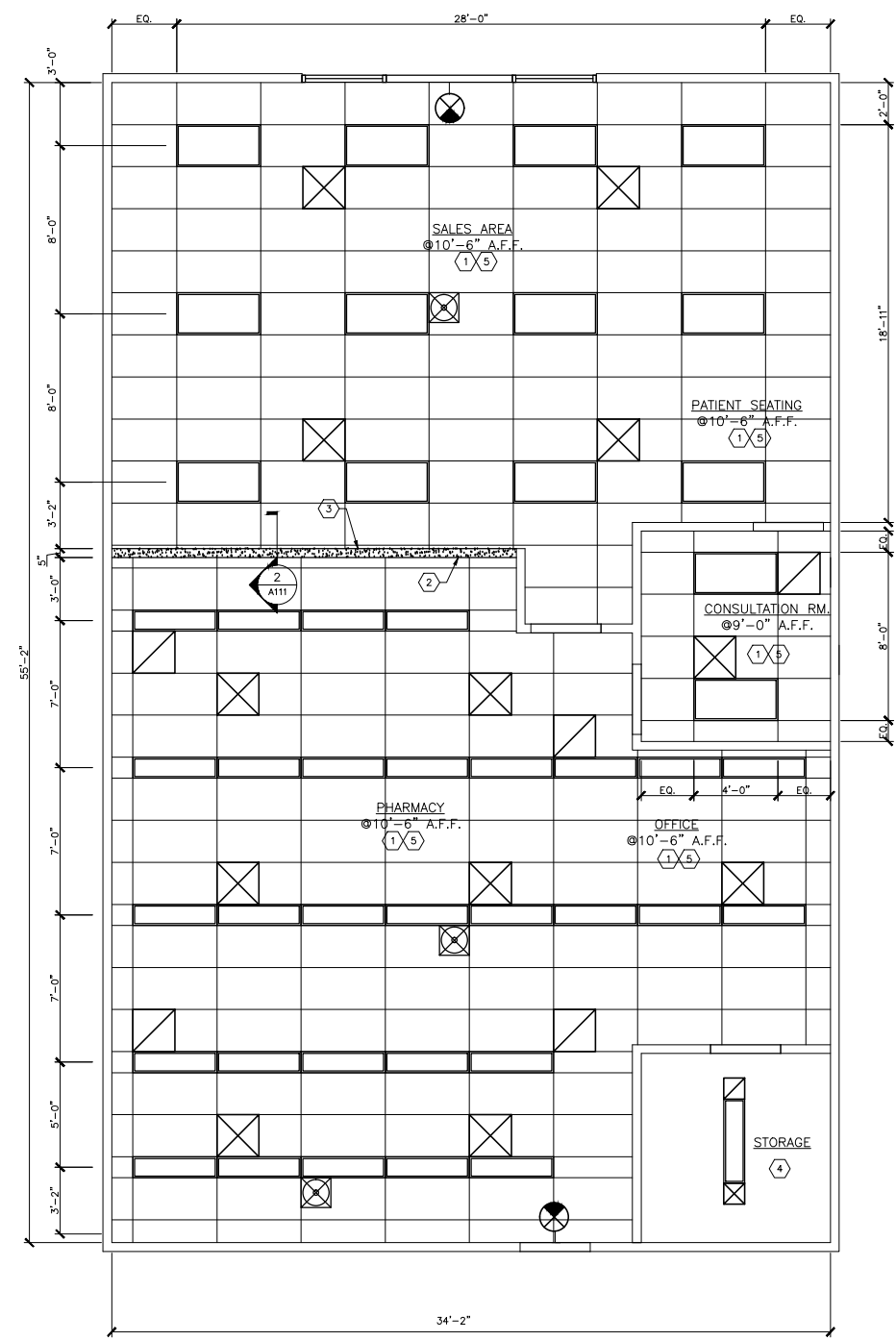
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS AS SIGNIFIED BY MY HAND AND SEAL.

LOCATION NUMBER XXXXX

PROJECT NAME
WALGREENS ON-SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE

DRAWING TITLE
REFLECTED CEILING PLAN

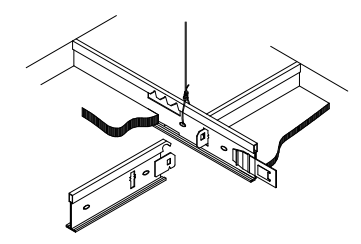
CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CNO	A121
SUPERSEDES PLAN DATED:	DATE: 8.8.12	
	REVIEWED BY:	OF DWGS.



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

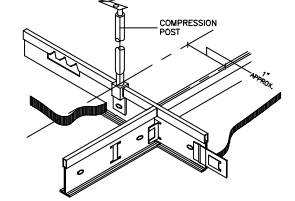
SUSPENSION SYSTEM DETAILS:

NOTE: SHADED SYMBOL INDICATES REQUIREMENTS FOR THIS PROJECT.
 LOW SEISMIC ZONE



SUSPENSION SYSTEM DETAILS:

NOTE: SHADED SYMBOL INDICATES REQUIREMENTS FOR THIS PROJECT.
 HIGH SEISMIC ZONE



NOTES: BRACING WIRES ARE INCLUDED ON GRID SPACING OF 12 FT. X 12 FT. WIRES ARE NOT SHOWN HERE FOR CLARITY. POST IS MADE UP OF 3/4" STEEL TUBING WITH .049" WALL THICKNESS. MAXIMUM UNSUPPORTED LENGTH IS 5'-2". IF MORE THAN 5'-2" IS REQUIRED, NOTIFY ARCHITECT. POST TO HAVE SPRING AND CONNECTION FITTINGS AT TOP AND BOTTOM. (APPROXIMATE ALLOWABLE VERTICAL MOVEMENT IS 1/2" UNDER SEISMIC ACTION). INSTALL ACCORDING TO MANUFACTURER'S DIRECTIONS. POST ASSEMBLIES ARE AVAILABLE FROM DONN CORPORATION.

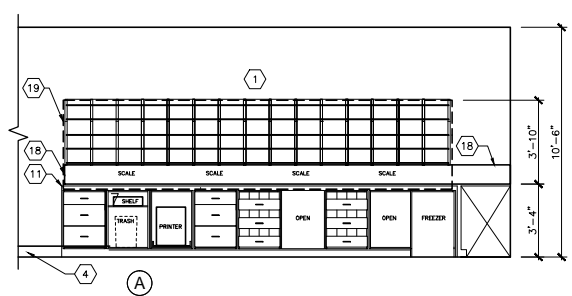
FOR ACOUSTIC CEILINGS IN SEISMIC ZONE AREAS PROVIDE "HEAVY DUTY" METAL SUSPENSION SYSTEM WITH COMPRESSION POSTS AND 2" WIDE WALL MOLDING. SUPPORT BY 12 GA. GALVANIZED CARBON STEEL HANGER WIRE PER MFR. RECOMMENDED SPACING. ALL LIGHT FIXTURES TO HAVE 12 GA. WIRE HANGERS ATTACHED PER WEIGHT AND PER LOCAL CODES. ENTIRE SUSPENSION SYSTEM SHALL COMPLY WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION IN THE RESPECTIVE SEISMIC ZONE.

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANTS
 LANDLORD'S CONSULTANT
 ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

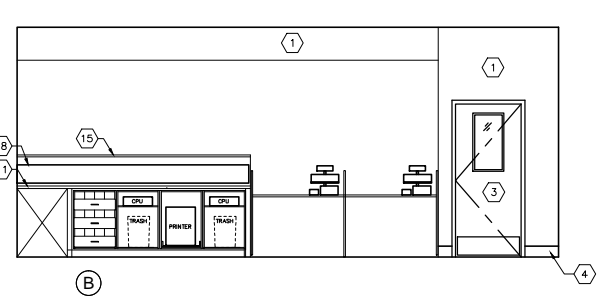
LOCATION	BUILDING
NEW	<input type="checkbox"/>
REMODELING	<input type="checkbox"/> NEW
RELOCATION	<input type="checkbox"/> EXISTING
OTHERS	<input type="checkbox"/> NEW SHELL ONLY

CRITERIA

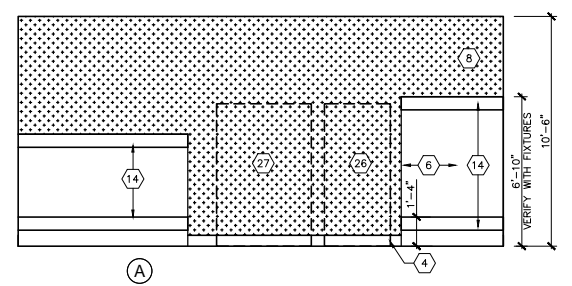
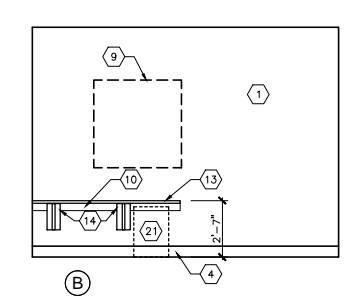
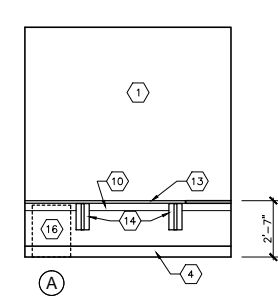
- INTERIOR ELEVATIONS KEYED NOTES
- ITEMS MARKED N/A ARE NOT APPLICABLE. ALL PAINT NUMBERS ARE BENJAMIN MOORE & CO. MATERIALS (BM). FOLLOWING ARE REFERENCE TO INTERIOR ELEVATIONS. FOR OTHER FINISHES, REFER TO INTERIOR MATERIALS AND FINISH SCHEDULE.
- PAINT - SEE FINISH SCHEDULE AND SPECIFICATIONS
 - PHARMACY SINK - SEE PLUMBING DRAWING
 - STAIN DOOR. PAINT DOOR FRAME PER DOOR SCHEDULE.
 - 6" VINYL BASE W/ PREFORMED OUTSIDE CORNER. RETURN AT ALL CORNERS AS APPLICABLE.
 - NO PAINT REQUIRED BEHIND SHELVING AND ABOVE CEILING.
 - PAINT "POWELL BUFF"
 - 3/4" PLYWOOD BACKING BETWEEN STUDS UNDER GWB.
 - 2X4 CLEAT ALONG WALL FOR SUPPORT OF COUNTERTOP.
 - PLASTIC LAMINATED COUNTERTOP. CAULK JOINT BETWEEN BACK/SIDE SPLASH AND WALL. CAULK COLOR TO MATCH COUNTERTOPS. BY GENERAL CONTRACTOR.
 - 24"x30" MORTAR AND PESTAL GRAPHIC BY WALGREENS.
 - 24" DEEP LAMINATED COUNTERTOP AND SUPPORTS WITH KEYBOARD/MOUSE PLATFORM BY WALGREENS.
 - 1X8 WOOD GROUNDS OR PLYWOOD FOR SALES AREA SHELVING (2X8 REQUIRED IN SEISMIC ZONES 3 AND 4)
 - LAMINATED WALL CAP PROVIDED BY WALGREENS, INSTALLED BY CONTRACTOR.
 - REFRIGERATOR BY WALGREENS.
 - 3 PIECES OF 2"x12" BLOCKING, 2"-4" WIDE BEHIND GWB FOR MOUNTING OF SINK CABINETS. SEE D111
 - 10"W PLASTIC LAMINATE OVER GWB FROM BOTTOM OF SPEED SHELVES DOWN TO COUNTERTOP. VERIFY W/ D1. WILSONART #2970-6 "WHITE LEATHER". FIELD APPLY TO GWB.
 - 3/4"x 48" PLYWOOD BLOCKING BETWEEN STUDS UNDER GWB. FROM 3'-2" TO 7'-2" A.F.F.
 - OUTLINE OF PLASMA SCREEN BLOCKING - 42"x24"
 - UNDERCOUNTER SAFE.
 - PLASMA SCREEN MOUNTING BRACKET.
 - PHARMACY TAGLINE GRAPHIC BY WALGREENS.
 - PAINT BENJAMIN MOORE - "BLUE".
 - PAINT BENJAMIN MOORE - "SLATE BLUE" ON EXPOSED AREA OF WALL (NOT BEHIND SHELVING).
 - VENDING MACHINE BY WALGREENS.
 - REFRIGERATOR BY WALGREENS.



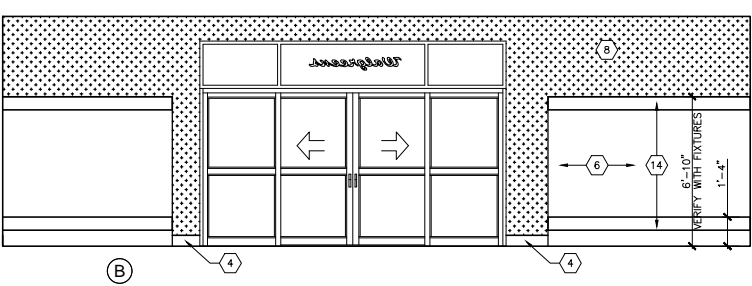
1 ELEVATIONS @ PHARMACY
1/4" = 1'-0"



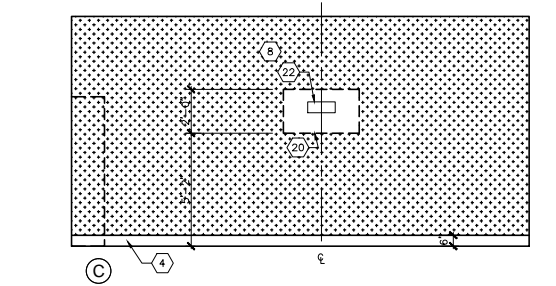
2 ELEVATIONS @ OFFICE
1/4" = 1'-0"



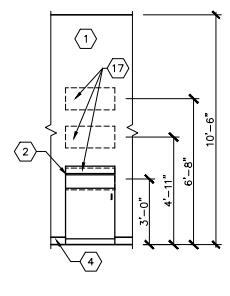
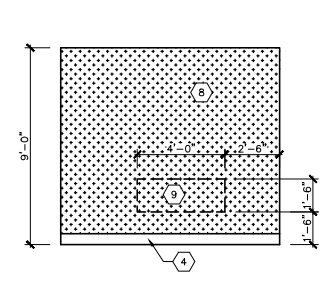
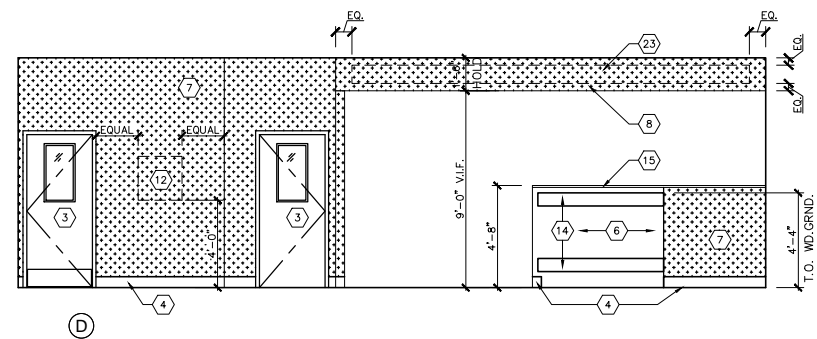
3 ELEVATIONS @ SALES AREA
1/4" = 1'-0"



4 ELEVATION @ CONSULTATION ROOM
1/4" = 1'-0"



5 ELEVATION @ SINK
1/4" = 1'-0"



ROOM FINISH SCHEDULE

	FLOORING	BASE	WALLS	CEILING	PAINT	REMARKS
SALES AREA	●	●	●	●	●	
PATIENT SEATING	●	●	●	●	●	
CONSULTATION ROOM	●	●	●	●	●	
PHARMACY	●	●	●	●	●	
OFFICE	●	●	●	●	●	
STORAGE ROOM	●	●	●	●	●	

REMARKS: 1. FOR DOOR FRAMES INSIDE CONSULTATION ROOM SHALL MATCH ADJACENT WALL COLOR
 2. WINDOWS IN DOORS: WINDOW FRAMING SHALL MATCH FRAME COLOR (TYP. EACH SIDE)
 3. IF STORAGE ROOM IS A SEPERATE ROOM, PROVIDE VINYL TILE

NO.	DATE	BY	DESCRIPTION
REVISIONS			

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS AS SIGNIFIED BY MY HAND AND SEAL.

LOCATION NUMBER XXXXX
 PROJECT NAME
 WALGREENS ON-SITE PHARMACY CRITERIA
 ADDRESS
 CITY, STATE

DRAWING TITLE
 INTERIOR ELEVATIONS, FINISH SCHEDULE

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CNO	A221
SUPERSEDES	DATE: 8.8.12	
PLAN DATED:	REVIEWED BY:	OF DWGS.

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANTS
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION	BUILDING
NEW	<input type="checkbox"/>
REMODELING	<input type="checkbox"/>
RELOCATION	<input type="checkbox"/>
OTHERS	<input type="checkbox"/>
	NEW SHELL ONLY

GENERAL NOTES

WOOD DOOR:
1 3/4" THICK, SOLID CORE FLUSH INTERIOR DOOR.
FACES: CLOSED GRAIN HARDWOOD STAINED.
GRADE: CUSTOM.
CONSTRUCTION: 5 PLY.
* PROVIDE FIRE RATING AS REQUIRED.

STEEL DOOR FRAME: 18GA. COLD ROLLED FURNITURE STEEL, PRIME COATED, MITERED & WELDED CORNERS. (PAINTED)

GLASS FRAME: 18GA. COLD ROLLED STEEL, PRIME COATED. PAINTED 'STONE BROWN'.
GLASS: 15"x30" CLEAR TEMPERED, 1/4" THICK.
HINGES: 1 1/2" PAIR BUTTS, FEB-179 4 1/2" x 4 1/2" US26D. STANLEY.
CLOSER: 1601BF, ALUMINUM NORTON. (MAX 5 LBS. PULL)
SILENCERS: RUBBER GJ64 GLYNN JOHNSON.
FLOOR BUMPER: 436B, US26D, IVES.

KICK PLATE: ROCKWOOD, US32D FINISH, 10" HIGH, AND 2" LESS THAN DOOR WIDTH, ON PUSH SIDE OF DOOR.

COMBINATION LOCKSET WITH SERVICE OVERRIDE TRILOGY DL2700 BY ALARM LOCK, 1-800-252-5625 OR MARKS IQ1L/26D BY MARKS, USA 1-800-526-0233
-IN CONSULTATION ROOM LOCK SIDE SHALL BE INSIDE CONSULTATION ROOM TO SECURE PHARMACY.
IF LATCH SET REQUIRED FOR FIRE RATING, USE SCHLAGE AL10S-SAT-626 LATCH SET.

IF CLOSER REQ. FOR FIRE RATING, USE ALUMINUM NORTON 7703HFL.
DOOR TO BE STAINED, ALL SIDES. (SEE FINISH SCHEDULE)

NO.	DATE	BY	DESCRIPTION

REVISIONS

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LOCATION NUMBER XXXXX

PROJECT NAME
WALGREENS ON-SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE

DRAWING TITLE
DOOR AND HARDWARE SCHEDULE

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CNO	A611
SUPERSEDES	DATE: 8.8.12	
PLAN DATED:	REVIEWED BY:	

DOOR AND HARDWARE SCHEDULE

- LOCKING HARDWARE TO USE STANDARD KEYWAYS AND CYLINDERS. LOCKING HARDWARE TO BE KEYED IN THREE SETS: A) PHARMACY DEADBOLTS SHALL BE KEYED ALIKE. B) ALL COMBINATION LOCKSET OVERRIDE KEYS SHALL BE KEYED ALIKE FOR SERVICE. C) ALL OTHER DOOR HARDWARE WITH KEYS SHALL BE KEYED ALIKE.
- NOTE TO ARCHITECT: DETERMINING FIRE RATING OF DOORS AND FRAMES IS REQUIRED BY CODES. LABEL DOOR IN SPACE PROVIDED.
- SEE FLOOR PLAN FOR DOOR SWINGS.
- W.O. = WALL OPENING; VERIFY WITH FLOOR PLAN.
- UNLESS NOTED OTHERWISE, INTERIOR DOORS ARE WOOD, EXTERIOR DOORS ARE METAL.
- VISION PANELS: DOOR "A", TRANSLUCENT WHITE LAMINATED GLASS, 15"x30"; DOOR "B", CLEAR TEMPERED, 15"x30".
- EXIT DOORS: DURING BUSINESS HOURS EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT USE OF A KEY. -HARDWARE SHALL CONFORM TO APPLICABLE ACCESSIBILITY STANDARDS. -FIRE DOORS AND FRAMES SHALL BE U.L. "B" LABEL RATED 1 1/2 HOURS.
- KICK PLATES: SHALL BE STAINLESS STEEL WITH US32D FINISH, 10" HIGH AND 2" LESS THAN DOOR WIDTH. MANUFACTURED BY ROCKWOOD OR APPROVED EQUAL. INSTALL ON PUSH SIDE ONLY.
- PROVIDE SOUND PROOF GASKET SYSTEM "PEMCO S88 SILICONSEAL" ON DOOR AND FRAME.
- UNDERCUT DOOR 1".
- LATCHING IS REQUIRED FOR FIRE-RATED DOORS. USE SCHLAGE AL10S-SAT-626.
- COMBINATION LOCKSET WITH SERVICE KEY OVERRIDE: TRILOGY DL2700 BY ALARM LOCK, 1-800-252-5625 OR MARKS IQ1L/26D, BY MARKS, U.S.A. 1-800-526-0233.

WOOD DOOR:
1 3/4" THICK, SOLID CORE FLUSH INTERIOR DOOR.
FACES: CLOSED GRAIN HARDWOOD STAINED.
GRADE: CUSTOM.
CONSTRUCTION: 5 PLY.
* PROVIDE FIRE RATING AS REQUIRED.

STEEL DOOR FRAME: 18GA. COLD ROLLED FURNITURE STEEL, PRIME COATED, MITERED & WELDED CORNERS. (PAINTED)

GLASS FRAME: 18GA. COLD ROLLED STEEL, PRIME COATED. PAINTED 'STONE BROWN'.
GLASS: 15"x30" TRANSLUCENT WHITE, 1/4" THICK.

HINGES: 1 1/2" PAIR BUTTS, FEB-179 4 1/2" x 4 1/2" US26D. STANLEY.
CLOSER: NONE
SILENCERS: RUBBER GJ64 GLYNN JOHNSON.
FLOOR BUMPER: 436B, US26D, IVES.

KICK PLATE: ROCKWOOD, US32D FINISH, 10" HIGH, AND 2" LESS THAN DOOR WIDTH, ON PUSH SIDE OF DOOR.

COAT HOOK: ROCKWOOD SMALL DOUBLE COAT HOOK. NO. 796, MOUNT ON INSIDE FACE.

SALES AREA TO CONSULTATION ROOM, ONE SCHLAGE AL70PD-SAT-626 (CLASSROOM FUNCTION); IF LATCH SET REQ. FOR FIRE RATING, USE SCHLAGE AL10S-SAT-626 LATCH SET.

IF CLOSER REQUIRED FOR FIRE RATING, USE ALUMINUM NORTON 7703HFL.
DOOR TO BE STAINED, ALL SIDES. (SEE FINISH SCHEDULE)
STORAGE ROOM DOOR TO BE PAINTED.

REFER TO NOTES:
1, 3, 5, 6, 8, 9

WOOD DOOR:
1 3/4" THICK, SOLID CORE FLUSH INTERIOR DOOR.
FACES: CLOSED GRAIN HARDWOOD STAINED.
GRADE: CUSTOM.
CONSTRUCTION: 5 PLY.
* PROVIDE FIRE RATING AS REQUIRED.

STEEL DOOR FRAME: 18GA. COLD ROLLED FURNITURE STEEL, PRIME COATED, MITERED & WELDED CORNERS. (PAINTED)

GLASS FRAME: 18GA. COLD ROLLED STEEL, PRIME COATED. PAINTED 'STONE BROWN'.
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HINGES: 1 1/2" PAIR BUTTS, FEB-179 4 1/2" x 4 1/2" US26D. STANLEY.
CLOSER: 1601BF, ALUMINUM NORTON. (MAX 5 LBS. PULL)
SILENCERS: RUBBER GJ64 GLYNN JOHNSON.
FLOOR BUMPER: 436B, US26D, IVES.

KICK PLATE: ROCKWOOD, US32D FINISH, 10" HIGH, AND 2" LESS THAN DOOR WIDTH, ON PUSH SIDE OF DOOR.

COMBINATION LOCKSET WITH SERVICE OVERRIDE TRILOGY DL2700 BY ALARM LOCK, 1-800-252-5625 OR MARKS IQ1L/26D BY MARKS, USA 1-800-526-0233
-IN CONSULTATION ROOM LOCK SIDE SHALL BE INSIDE CONSULTATION ROOM TO SECURE PHARMACY.
IF LATCH SET REQUIRED FOR FIRE RATING, USE SCHLAGE AL10S-SAT-626 LATCH SET.

IF CLOSER REQ. FOR FIRE RATING, USE ALUMINUM NORTON 7703HFL.
DOOR TO BE STAINED, ALL SIDES. (SEE FINISH SCHEDULE)

REFER TO NOTES:
1, 3, 5, 6, 8, 12

HOLLOW METAL DOOR W/ EPOXY PAINT:
1 3/4" THICK, FLUSH INTERIOR DOOR.
FACES:
GRADE: II (INTERIOR), III (EXTERIOR).
CONSTRUCTION:
* PROVIDE FIRE RATING AS REQUIRED.

STEEL DOOR FRAME: 18GA. COLD ROLLED FURNITURE STEEL, PRIME COATED, MITERED & WELDED CORNERS.

HINGES: 1 1/2" PAIR BUTTS, FEB-179 4 1/2" x 4 1/2" US26D. STANLEY.
CLOSER: 1601BF, ALUMINUM NORTON. (MAX 5 LBS. PULL)
SILENCERS: RUBBER GJ64 GLYNN JOHNSON.
FLOOR BUMPER: 436B, US26D, IVES.
KICK PLATE: STAINLESS STEEL, US32D FINISH, 10" HIGH, AND 2" LESS THAN DOOR WIDTH, ON PUSH SIDE OF DOOR.

COMBINATION LOCKSET WITH SERVICE OVERRIDE TRILOGY DL2700 BY ALARM LOCK, 1-800-252-5625 OR MARKS IQ1L/26D BY MARKS, USA 1-800-526-0233
IF LATCH SET REQUIRED FOR FIRE RATING, USE SCHLAGE AL10S-SAT-626 LATCH SET.

IF CLOSER REQ. FOR FIRE RATING, USE ALUMINUM NORTON 703HFL.
DOOR TO PRIME AND PAINTED, ALL SIDES WITH EPOXY PAINT FINISH. (SEE FINISH SCHEDULE)

REFER TO NOTES:
1, 3, 8, 12

WOOD DOOR:
1 3/4" THICK, SOLID CORE FLUSH INTERIOR DOOR.
FACES: CLOSED GRAIN HARDWOOD STAINED.
GRADE: CUSTOM.
CONSTRUCTION: 5 PLY.
* PROVIDE FIRE RATING AS REQUIRED.

STEEL DOOR FRAME: 18GA. COLD ROLLED FURNITURE STEEL, PRIME COATED, MITERED & WELDED CORNERS. (PAINTED)

HINGES: 1 1/2" PAIR BUTTS, FEB-179 4 1/2" x 4 1/2" US26D. STANLEY.
CLOSER: NONE
SILENCERS: RUBBER GJ64 GLYNN JOHNSON.
FLOOR BUMPER: 436B, US26D, IVES.

KICK PLATE: ROCKWOOD, US32D FINISH, 10" HIGH, AND 2" LESS THAN DOOR WIDTH, ON PUSH SIDE OF DOOR.

ONE SCHLAGE AL70PD-SAT-626 (CLASSROOM FUNCTION); IF LATCH SET REQ. FOR FIRE RATING, USE SCHLAGE AL10S-SAT-626 LATCH SET.

IF CLOSER REQUIRED FOR FIRE RATING, USE ALUMINUM NORTON 7703HFL.
DOOR TO BE STAINED, ALL SIDES. (SEE FINISH SCHEDULE)
STORAGE ROOM DOOR TO BE PAINTED.

REFER TO NOTES:
1, 3, 5

INTERIOR ALUMINUM SLIDING ENTRANCE DOOR:
HORTON AUTOMATIC - PROFILER ICU; BIPART DOOR WITH SIDELIGHTS AND TRANSOM.

ALUMINUM MATERIAL:
EXTRUDED ALUMINUM, ASTM B221, 6063-T5 ALLOY AND TEMPERED.
CLEAR ANODIZED (UNLESS HOSPITAL STANDARDS ARE IN PLACE)

GLASS: CLEAR TEMPERED, 1/2" THICK.

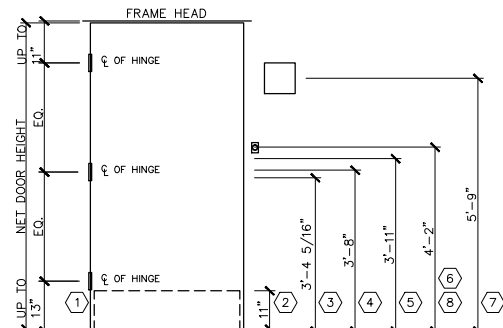
LATCH: STANDARD LOCKING HARDWARE
- EXTERIOR - KEY LOCK
- INTERIOR - THUMB TURN
- RECESSED PULL

ADA APPROVED THRESHOLD, HORIZONTAL MUNTIN

REFER TO NOTES:
2, 3, 7

HARDWARE PLACEMENT KEYED NOTES

- USE MIN. (3) HINGES FOR DOORS UP TO & INCLUDING 7'-6"H. ADD (1) ADDITIONAL HINGE FOR EACH 2'-6" INCREMENT OVER 7'-6" DOOR HEIGHT.
- KICK PLATE- PROVIDE 1/4" BETWEEN ALL PLATES & BOTTOM OF DOOR.
- CENTER LINE OF STRIKE FOR LEVERS, LOCKS, KNOBS, HANDLE SETS, LATCHES, & CROSS BAR EXIT DEVICES.
- CENTERLINE OF DOOR PULL GRIP & PUSH-PULL BAR.
- CENTER LINE OF PUSH PLATES AND DEAD BOLTS.
- CENTER LINE OF DEADLOCK STRIKE.
- CENTER OF NAME PLATE, CENTER VERTICALLY.
- CENTER LINE OF DOOR BELL AT 4'-0" ON STRIKE SIDE OF DOOR.



INTERIOR ELEVATIONS KEYED NOTES
 ITEMS MARKED N/A ARE NOT APPLICABLE. ALL PAINT NUMBERS ARE BENJAMIN MOORE & CO. MATERIALS (BM). FOLLOWING ARE REFERENCE TO INTERIOR ELEVATIONS. FOR OTHER FINISHES, REFER TO INTERIOR MATERIALS AND FINISH SCHEDULE.



FACILITIES PLANNING, DESIGN, & ENGINEERING
 106 WILMOT ROAD
 DEERFIELD, IL 60015-5105

DESCRIPTION
 ① xxx
 ②
 ③
 ④ xxx
 ⑤
 ⑥
 ⑦

PROJECT TYPE
 DRAWINGS/SPECIFICATIONS BY:
 WALGREENS' CONSULTANTS
 LANDLORD'S CONSULTANT
 ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION	BUILDING
NEW <input type="checkbox"/>	NEW <input type="checkbox"/>
REMODELING <input type="checkbox"/>	EXISTING <input type="checkbox"/>
RELOCATION <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHERS <input type="checkbox"/>	

CRITERIA
 1. SIGNAGE TYPES & LOCATION TO BE PROVIDED BY WALGREENS. INFORMATION TO BE INCORPORATED INTO DRAWINGS BY MEANS OF PLAN, ELEVATIONS, AND/OR DIGITAL IMAGES.
 2. ARCHITECT-OF-RECORD SHALL REMOVE THIS DESIGN CRITERIA INFORMATION FROM ALL SHEETS.

1 ENLARGED FLOOR PLAN
 1/2" = 1'-0"

2 ELEVATION
 1/4" = 1'-0"

3 SIGNAGE
 XX" = 1'-0"

NO.	DATE	BY	DESCRIPTION

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF XXXXXXXX AS SIGNIFIED BY MY HAND AND SEAL.

LOCATION NUMBER XXXXX

PROJECT NAME
 WALGREENS ON-SITE PHARMACY CRITERIA
 ADDRESS
 CITY, STATE

DRAWING TITLE
 SIGNAGE AND SIGN DATA

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CNO	A711
SUPERSEDES PLAN DATED:	DATE: 8.8.12	
REVIEWED BY:	REVIEWED BY:	OF DWGS.

LOCATION	BUILDING
NEW	NEW
REMODELING	EXISTING
RELOCATION	NEW SHELL ONLY
OTHERS	

DESIGN CRITERIA

- REFER TO CRITERIA DRAWINGS R006 & R007 FOR HVAC SPECIFICATION.
- CLIMATE CONDITIONS FOR THE DESIGN SHALL BE AS LISTED IN THE HARD COPY OF THE 2009 ASHRAE HANDBOOK FUNDAMENTALS, CHAPTER 14, "APPENDIX" AS FOLLOWS: HEATING DB 99% COLUMN AND COOLING 1% COLUMNS DB/MCWB.
- PROVIDE SUPPLY AND RETURN AIR TO BE CAPABLE OF MAINTAINING A WINTER TEMPERATURE OF 70°F FOR BOTH PHARMACY AND SALES AREA AND A SUMMER TEMPERATURE OF 72° F @ 56° F DEW POINT AT PHARMACY AND 74° F @ 56° F DEW POINT AT SALES AREA.
- PROVIDE TWO ZONES OF TEMPERATURE CONTROL: ONE IN PHARMACY AND ONE IN SALES AREA.
- TOTAL AIR FLOW SHOWN IN PHARMACY AND SALES AREA SHALL BE BASED ON ROOM LOAD CALCULATIONS INCLUDING HEAT GAIN FROM THE FOLLOWING EQUIPMENT AND OTHER ITEMS:

(2) CASH REGISTER EACH	160 BTU/HR NET
(7) COMPUTER EACH	250 BTU/HR NET
(3) PRINTER EACH	375 BTU/HR NET
(1) REFRIGERATOR LARGE	1200 BTU/HR NET
(1) REFRIGERATOR SMALL	900 BTU/HR NET
(1) MICROWAVE	400 BTU/HR NET
(1) UNDERCOUNTER FREEZER	1100 BTU/HR NET
(1) COMMUNICATIONS CABINET	4000 BTU/HR NET

PHARMACY - BASIC TOTAL	10000 BTU/HR NET

(1) MASTER-BILT COOLER	3840 BTU/HR NET
(2) LCD MONITORS EACH	300 BTU/HR NET

SALES AREA - BASIC TOTAL	4000 BTU/HR NET

PHARMACY AND SALES AREA "BASIC" TOTALS ARE BASED ON A CRITERIA LAYOUT. ADJUST TOTAL LOADS TO MATCH LAYOUT OF NEW OR REMODELED SPACE.

- AS AN OPTION, FOR PROJECTS WITHIN EXISTING BUILDINGS, IT IS ACCEPTABLE TO MODIFY EXISTING HVAC SYSTEMS TO ACCOMMODATE THE NEW WALGREENS SPACES TO MEET CRITERIA REQUIREMENTS.
- PROVIDE AN ELECTRIC BASEBOARD HEATER (BBH) IN CONSULTATION ROOM WHEN THE OUTSIDE DESIGN DB AIR TEMPERATURE IS BELOW 25° F. AND ONLY WHEN ROOM HAS AN EXTERIOR WALL (USE ASHRAE HANDBOOK FUNDAMENTALS FOR CLIMATIC CONDITIONS). AN ELECTRIC WALL HEATER (EWH) OR CEILING HEATER MAY BE USED IF SPACE PLAN DOES NOT PERMIT BBH.
- ENGINEER-OF-RECORD SHALL REMOVE THIS DESIGN CRITERIA INFORMATION FROM ALL SHEETS.

NO.	DATE	BY	DESCRIPTION	CONST

REVISIONS

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LOCATION NUMBER XXXXX

PROJECT NAME

WALGREENS ON-SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE

DRAWING TITLE

MECHANICAL FLOOR PLAN, DETAILS & NOTES

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: MN	M111
SUPERSEDES PLAN DATED:	DATE: 8.8.12	
	REVIEWED BY: JK	OF DWGS.

MECHANICAL KEYED NOTES

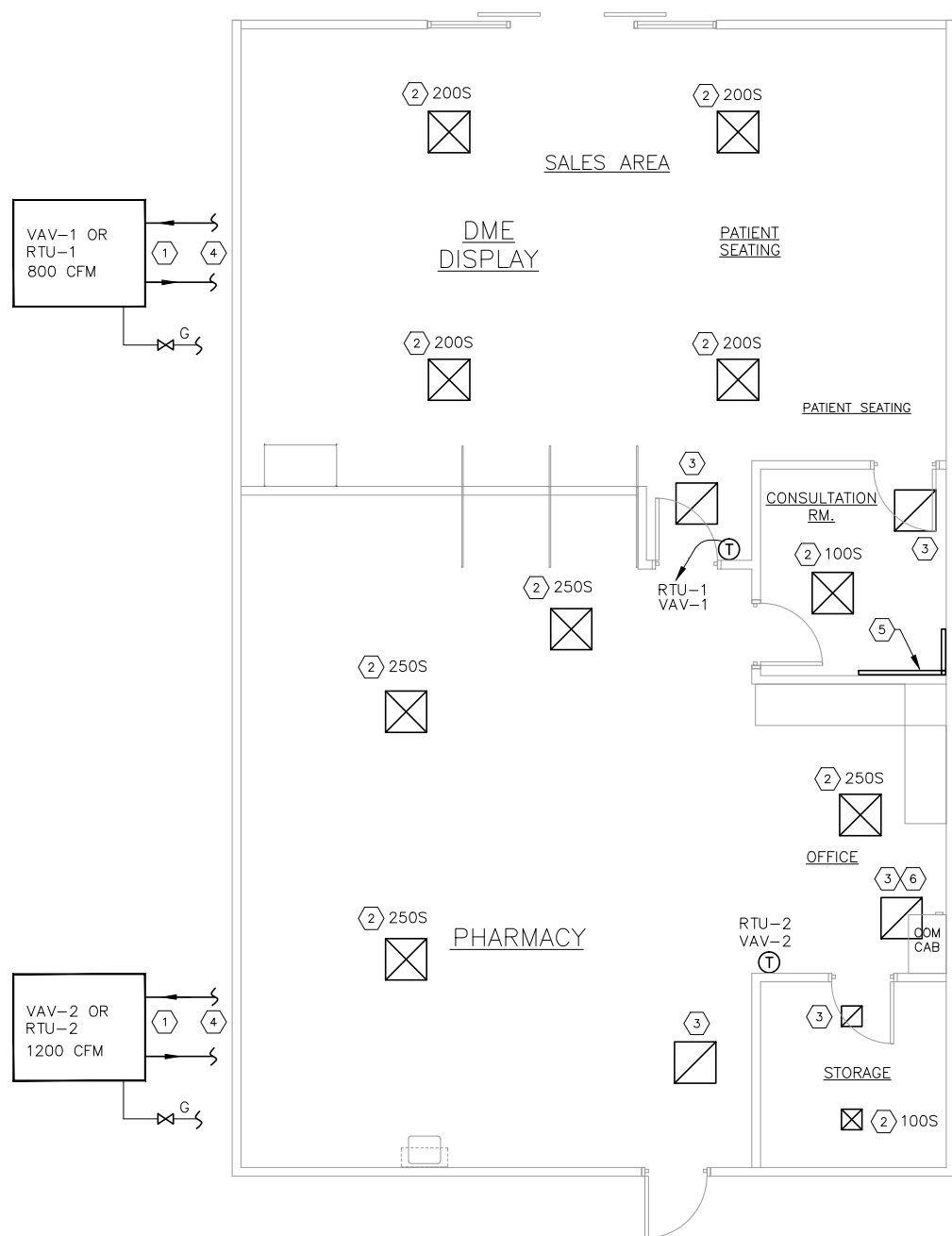
- PROVIDE HVAC ROOF-TOP UNIT OR VAV BOX, GENERAL NOTES, SCHEDULE OF UNITS SERVING THE AREA.
- S.A.D. & S.A.G., CFM AND SIZE AS NOTED. EACH SHALL HAVE A TOTAL STATIC PRESSURE DROP OF 0.20" OR LESS. SEE DETAILS 1/M111 AND 2/M111.
- E.A.G. & R.A.G., CFM AND SIZE AS NOTED. GRILLE SHALL HAVE A TOTAL STATIC PRESSURE DROP OF 0.20" OR LESS. SEE DETAILS 3/M111.
- INSTALL FIRE DAMPER AND ACCESS DOOR PER LOCAL CODE.
- ELECTRIC BASEBOARD OR WALL/CEILING HEATER WITH BUILT-IN T-STAT. SEE ELECTRICAL DRAWING E121 FOR MORE INFORMATION.
- LOCATE RAG OVER COMMUNICATION CABINET

MECHANICAL NOTES

- GENERAL:**
- REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK OR CLARIFICATIONS.
 - REFER TO DETAIL 4 THIS SHEET FOR BRANCH DUCT RUN-OUTS.
- AIR DISTRIBUTION:**
- DUCTWORK TO BE GALVANIZED ROUND SPIRAL SHEET METAL PER SMACNA OR MATCH EXISTING RECTANGULAR.
 - DUCTWORK SHALL BE INSULATED TO MATCH EXISTING. LINED DUCTWORK IS NOT PERMITTED.
 - FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 3'-0". USE ONLY ON FINAL SUPPLY AIR DIFFUSER, AND 3'-0" FROM THE RETURN AIR GRILLE TO THE METAL DUCTWORK. FOR BOTH CASES, 90° TURNS ARE NOT ALLOWED - OFFSET ANGLES SHALL BE KEPT TO A MINIMUM. SEE DETAIL 4.
 - PAINT THE INTERIOR SURFACE OF DUCTS (WHERE VISIBLE) THROUGH GRILLES, DIFFUSERS ETC. USE FLAT 'DTM' (DIRECT TO METAL), NON-SPECULAR BLACK PAINT.
 - DIFFUSERS AND GRILLES SHALL MATCH EXISTING STYLE WITH FACTORY FINISH TO MATCH CEILING GRID.
 - AIR BALANCE TO MAINTAIN THE INDICATED QUANTITIES WITHIN A TOLERANCE OF PLUS OR MINUS 10%.
 - PROVIDE A BALANCING DAMPER UPSTREAM OF EACH DIFFUSER IN ORDER TO ADJUST THE AIR FLOW TO ACHIEVE DESIRED ROOM TEMPERATURE. DAMPERS SHALL BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH SMACNA STANDARD AND PRACTICES.
- MISCELLANEOUS:**
- GAS SERVICE, METER, REGULATOR AND VALVES, PHYSICAL PROTECTION OF EQUIPMENT BY GENERAL CONTRACTOR.
 - ELECTRIC BASEBOARD OR WALL/CEILING HEATERS (EWH) ARE PROVIDED UNDER THE ELECTRICAL CONTRACT. THEY ARE HERE FOR INFORMATION ONLY.

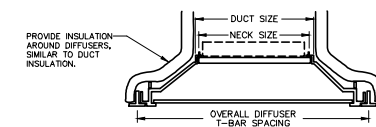
MECHANICAL LEGEND

- SUPPLY AIR
 - RETURN OR EXHAUST AIR
 - VOLUME DAMPER
 - THERMOSTAT (MOUNT 5'-0" UP, UNLESS OTHERWISE NOTED)
- XXXX CFM SUPPLY AIR
XXXXR CFM RETURN AIR
RTU ROOF TOP UNIT
CFM CUBIC FEET PER MINUTE
FD FIRE DAMPER WITH ACCESS DOOR
SAD SUPPLY AIR DIFFUSER
SAG SUPPLY AIR GRILLE
SAR SUPPLY AIR REGISTER
RAG RETURN AIR GRILLE
EAG EXHAUST AIR GRILLE
EWH ELECTRIC WALL HEATER
BBH BASEBOARD HEATER
G GAS



FLOOR PLAN - MECHANICAL

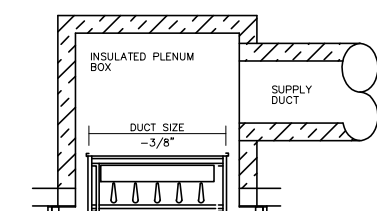
1/4" = 1'-0"



- NOTES:**
- ALL ALUMINUM WITH WHITE FACTORY FINISH TO MATCH CEILING GRID.
 - SQUARE, ROUND OR RECTANGULAR NECK. ACCEPTABLE MANUFACTURERS: METALAIRE 5500-6-54 (*), CARNES SETA (SETJ) C24 (*), KRUEGER 55H (SHPC)-4-23 (*), NAILOR 6250L (*), PRICE AND (AMD)-36 (*), TITUS TDC-AA (TDC-AA)-3-4 (*), OR TUTTLE & BAILEY AM (AMA) L4 (*).
 - FOR OTHER MOUNTING TYPE CONSULT MANUFACTURER.
 - THE DIFFUSER PANEL SHALL FIT THE CEILING GRID, HOWEVER THE DIFFUSER BLADES NEED NOT BE FULL FACE.
 - PROVIDE PROPER MOUNTING OPTION.
- METALAIRE 5500-6-54
DIFFUSER TYPE (ALUMINUM CONSTR.)
FRAME (LAY-IN)
- AIR PATTERN (4-WAY)
(SEE PLAN FOR AIR PATTERN ARROWS)

(NO SUBSTITUTION ACCEPTED FOR MANUFACTURERS LISTED ABOVE)

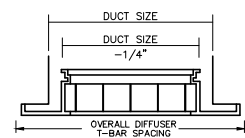
1 SUPPLY AIR DIFFUSER



- NOTES:**
- ADJUSTABLE, DOUBLE DEFLECTION WITH O.B. DAMPER.
 - ALL ALUMINUM WITH WHITE FACTORY FINISH.
 - FOR OTHER MOUNTING TYPES CONSULT MANUFACTURER.
 - PLENUM BOX TO HAVE FLANGE ON ALL 4 SIDES.
 - REGISTER SCREWS NUMBER AS REQ'D. PER MFR.
 - PROVIDE PROPER MOUNTING OPTION.
- ACCEPTABLE MANUFACTURERS:
CARNES RWD4H
METALAIRE H4004D
KRUEGER 5580H
NAILOR 61DH
PRICE 620 DL
TITUS 300FL
TUTTLE & BAILEY A547

(NO SUBSTITUTION ACCEPTED FOR MANUFACTURERS LISTED ABOVE)

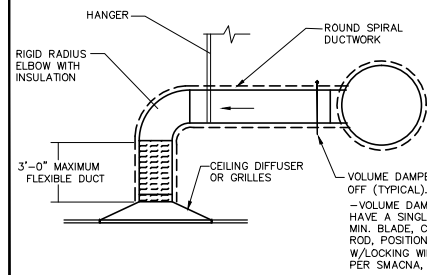
2 SUPPLY AIR GRILLE AND REGISTER



- NOTES:**
- 0 DEGREE DEFLECTION.
 - ALL ALUMINUM WITH WHITE FACTORY FINISH.
 - 1"x1"x1" EGG CRATE GRID.
 - FOR OTHER MOUNTING TYPES CONSULT MANUFACTURER.
 - PROVIDE PROPER MOUNTING OPTION.
 - FURNISH ALL EXHAUST GRILLES COMPLETE WITH O.B.D..
- ACCEPTABLE MANUFACTURERS:
CARNES RAEA-TB FRAME
METALAIRE CC1TB
KRUEGER EGC-10
NAILOR 51EC-L
PRICE 82TB
TITUS 50F
TUTTLE & BAILEY CRE1000

(NO SUBSTITUTION ACCEPTED FOR MANUFACTURERS LISTED ABOVE)

3 EXHAUST & RETURN AIR GRILLE



NOTE: TOP OF DIFFUSER AND BOTTOM OF RIGID ELBOW SHALL BE ALIGNED, NOT TO EXCEED 12" HORIZONTAL OFFSET.

NOT TO SCALE

4 SUPPLY FLEXIBLE DUCTWORK

GENERAL NOTES

(x)



FACILITIES PLANNING, DESIGN, & ENGINEERING
106 WILMOT ROAD
DEERFIELD, IL 60015-5105

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 WALGREENS CONSULTANTS
 LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

LOCATION		BUILDING	
NEW	<input type="checkbox"/>	NEW	<input type="checkbox"/>
REMODELING	<input type="checkbox"/>	EXISTING	<input type="checkbox"/>
RELOCATION	<input type="checkbox"/>	NEW SHELL ONLY	<input type="checkbox"/>
OTHERS	<input type="checkbox"/>		

INSTRUCTIONS TO ARCHITECT OR ENGINEER (AE)

1. THE AE SHALL CREATE THE FP111 SHEET AND INCLUDE THIS DRAWING IN THE SET OF CONTRACT DRAWINGS AND THE TITLE SHEET DRAWING LIST.
2. THE AE SHALL OBTAIN AND INDICATE THE LATEST WATER FLOW INFORMATION ON THIS DRAWING IN THE BLOCK PROVIDED.
3. THE AE SHALL TRANSMIT THE PROJECT FIRE SUPPRESSION DRAWING FP111 TO THE FIRE PROTECTION DESIGNER TO BE INCORPORATED IN HIS DETAILED DESIGN/SHOP DRAWING AND CALCULATIONS FOR THE SPECIFIC PROJECT.
4. THE AE SHALL INCLUDE THE PROJECT DESIGN DRAWINGS IN THE COMPACT DISC (CD) SUBMITTAL OF PROJECT RECORD DRAWINGS. FP111 RECORD DRAWINGS MUST INCLUDE THE WALGREEN APPROVED SPRINKLER SHOP DRAWING PLAN IMAGE PLACE OR IMPORTED ON THE LEFT SIDE OF THE SHEET. WATER DENSITIES, SPRINKLER SPECIFICATION AND INFORMATION REGARDING AHU AND WATER FLOOR INFORMATION SHALL BE INCLUDED IN AS-BUILT INFORMATION ON THE RECORD FP111 OR FP1 SERIES OF DRAWINGS.
5. ARCHITECT OR ENGINEER-OF-RECORD SHALL REMOVE THESE PRECEDING INSTRUCTIONS FROM THE PROJECT FP DRAWINGS.

NO.	DATE	BY	DESCRIPTION

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF XXXXXXXX AS SIGNIFIED BY MY HAND AND SEAL.

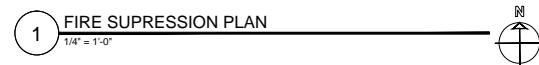
LOCATION NUMBER XXXXX

PROJECT NAME
WALGREENS ON-SITE PHARMACY CRITERIA
ADDRESS
CITY, STATE

DRAWING TITLE
FIRE PROTECTION DEMO & RENOVATION PLAN

CADD PLOT:	SCALE: AS SHOWN	DRAWING NO.
VOID PLOT:	DRAWN BY: CNO	FP111
SUPERSEDES PLAN DATED:	DATE: 8.8.12	
	REVIEWED BY:	OF DWGS.

INSTALLATION NOTES	AUTHORITY HAVING JURISDICTION (AHJ)
1. THE INSTALLATION OF THE SPRINKLER PIPING ABOVE THE CEILING SHALL NOT RESTRICT THE INSTALLING OR REMOVAL OF LIGHT FIXTURES, SPEAKERS, AND SIMILAR ITEMS.	NAME: _____
2. WALGREENS DOES NOT REQUIRE SPRINKLERS TO BE LOCATED IN THE EXACT CENTER OF ACOUSTIC TILES OR AT THE QUARTER POINTS AS SHOWN.	TELEPHONE: _____
3. SPRINKLERS INSTALLED LESS THAN 7 FEET ABOVE FINISHED FLOOR SHALL BE PROTECTED BY GUARDS.	CONTACT PERSON: _____
4. SPRINKLERS SHALL BE INSTALLED WITH MANUFACTURER'S WRENCH AND/OR THE MANUFACTURER REQUIRED METHOD DESIGNATED FOR THAT PARTICULAR SPRINKLER. ANY SPRINKLER DAMAGED DURING INSTALLATION DUE TO THE USE OF NON-APPROVED METHODS AND TOOLS SHALL BE REPLACED AT NO COST TO WALGREENS.	SYSTEM DESIGNED PER: _____
	WATER FLOW INFORMATION
	SOURCE OF TEST DATA: _____
	LOCATION OF TEST: _____
	HYDRANT NUMBERS: _____
	DATE OF TEST: _____
	TIME OF TEST: _____
	STATIC PRESSURE: _____ P.S.I.
	RESIDUAL PRESSURE: _____ P.S.I.
	FLOW: _____ G.P.M.



THESE DRAWINGS ARE THE PROPERTY OF WALGREENS. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF WALGREENS IS STRICTLY PROHIBITED. WALGREENS ASSUMES NO LIABILITY FOR ANY DAMAGE, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THESE DRAWINGS.

NO.	DATE	BY	DESCRIPTION

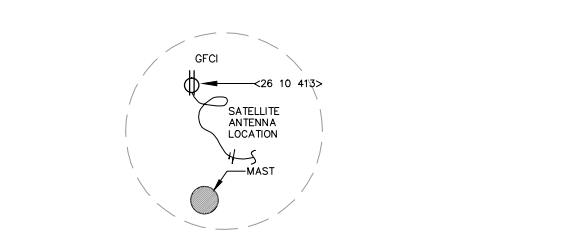
REVISIONS

ON-SITE PHARMACY CRITERIA
WALGREENS
 PROJECT STREET
 PROJECT TOWN, XX

E-111

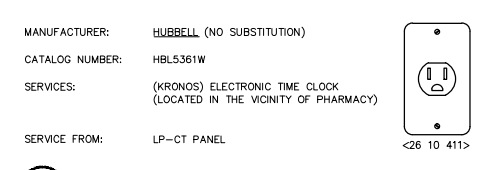
REFERENCE KEYED NOTES	
DIVISION 26 - POWER	
26 10 10	SURFACE MOUNTED ELECTRICAL PANEL "LP-1"
26 10 30	500W OUTLET, RECEPTACLE 1'-6" A.F.F. FOR REFRIGERATOR OR FREEZER. PROVIDE LOCK-ON CIRCUIT BREAKER.
26 10 57	5A 120V/10 OUTLET ABOVE CEILING FOR AUTOMATIC SLIDING DOOR(S). FINAL CONNECTION BY ELECTRICAL CONTRACTOR. (WHEN REQUIRED)
26 10 59	PROVIDE 20A CIRCUIT TO GFCI RECEPTACLE AND TAYMAC NO.20510 SAFETY OUTLET ENCLOSURE (RAINTITE WHILE IN USE) OR PASS & SEYMOUR "WEATHERPROOF WHILE-IN-USE COVER" ON ROOF FOR MAINTENANCE OF EQUIPMENT. REFER TO NEC ARTICLE 210-63. (WHEN REQUIRED)
26 10 69	200W GENERAL PURPOSE DUPLEX RECEPTACLE, MOUNTED AT 1'-6" A.F.F., UNLESS NOTED OTHERWISE.
26 10 110	MULTI-OUTLET RACEWAY MOUNTED ALONG PHARMACY WORK COUNTER BACKSPLASH. RECEPTACLE SPACING SHALL BE 12 INCHES ON CENTER. PROVIDE DEDICATED CIRCUIT WITH GFCI BREAKER FOR RACEWAY SECTION LOCATED NEAR PHARMACY SINK AS REQUIRED PER NEC.
26 10 114	200W TAMPER-RESISTANT, DUPLEX CONVENIENCE RECEPTACLE (LEVITON NO. CR155) MOUNTED AT 1'-8" A.F.F.
26 10 401	ONE(1) 20A 120V/10 CIRCUIT FOR CASH REGISTER (CR) LOCATION. SEE DETAILS 4, 6 & 8/E111 FOR OUTLET MOUNTING, HOMERUN BACK TO PANEL "LP-CT".
26 10 402	ONE(1) 20A 120V/10 CIRCUIT FROM PANEL "LP-CT" FOR OFFICE SYSTEM EQUIPMENT, MOUNTED AT 1'-8" A.F.F.
26 10 403	ONE(1) 20A 120V/10 CIRCUIT FOR PHARMACY TERMINAL RECEPTACLES, CIRCUIT FROM PANEL "LP-CT". SEE DETAIL 3/E111. MOUNTED AT 1'-6" A.F.F., U.N.O.
26 10 404	200W OUTLET, WITH RECEPTACLE MOUNTED INSIDE CASH REGISTER STAND. REFER TO DETAILS 6 & 8/E111 FOR OUTLET MOUNTING.
26 10 405	FLOOR OR WALL OUTLET, CONNECT TO MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD) WITH RECEPTACLES SPACED 6" FROM CENTERS.
26 10 406	ONE(1) 20A 120V/10 SATELLITE DIGITAL INTERFACE UNIT (DIU) CIRCUIT FROM PANEL "LP-CT". SEE DETAIL 5/E-111 FOR ADDITIONAL INFORMATION AND 7/E-111 FOR MOUNTING REFERENCE.
26 10 407	ONE(1) 20A 120V/10 CIRCUIT FROM PANEL "LP-CT" FOR COVERT CCTV SYSTEM. SEE DETAIL 5/E111 FOR ADDITIONAL INFORMATION AND 6/E111 FOR MOUNTING REFERENCE.
26 10 408	TWO(2) 20A 120V/10 CIRCUITS FROM PANEL "LP-CT" FOR RX COMMUNICATION EQUIPMENT RECEPTACLES.
26 10 409	SURFACE MOUNTED ELECTRICAL PANEL "LP-CT", DEDICATED TO SPECIAL ELECTRONIC EQUIPMENT.
26 10 410	ONE(1) 20A 120V/10 CIRCUIT FROM PANEL "LP-CT" FOR CCTV CAMERA, CONNECT TO DUPLEX RECEPTACLE MOUNTED ABOVE PHARMACY CEILING.
26 10 411	ONE(1) 20A 120V/10 TIME/ATTENDANCE SYSTEM (ELECTRONIC TIMECLOCK) CIRCUIT FROM PANEL "LP-CT", RECEPTACLE 3'-6" A.F.F. SEE DETAIL 2/E111.
26 10 412	ONE(1) 20A 120V/10 CIRCUIT FROM PANEL "LP-CT", CONNECT TO FOUR (4) DUPLEX RECEPTACLES, FOR BURGLAR ALARM, TELEPHONE AND SOUND SYSTEMS.
26 10 413	200W OUTLET (ABOVE ROOF) WITH GFCI DUPLEX RECEPTACLE AND TAYMAC NO.20510 SAFETY OUTLET ENCLOSURE (RAINTITE WHILE IN USE) OR PASS & SEYMOUR "WEATHERPROOF WHILE IN USE COVER" ON ROOF FOR MAINTENANCE OF EQUIPMENT. SEE DETAIL 9/E-111.
26 10 414	1000W OUTLET, RECEPTACLE LOCATED 3'-8" A.F.F. FLUSH ABOVE COUNTER, FOR MICROWAVE OVEN.
26 10 415	400W RECESSED DUPLEX RECEPTACLE (LEVITON CAT. #00689-00W), CIRCUIT FROM PANEL "LP-CT" FOR LCD TV, WALL MOUNTED 5'-6" A.F.F. SEE DETAIL 2/E131.
26 10 416	ONE(1) 20A 120V/10 CIRCUIT CONNECTED TO NEMA 5-15R RECEPTACLE FOR REFRIGERATOR SYSTEM (MASTER-BILT MODEL #BMG-52).
26 10 417	PROVIDE POWER FOR ELECTRIC WATER HEATER EWH (WHEN REQUIRED). REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
26 10 418	ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL POWER AND NON-FUSIBLE DISCONNECT SWITCH TO RTU-1 & RTU-2 LOCATED ON ROOF. (COORDINATE WITH MECHANICAL DRAWING FOR ADDITIONAL INFORMATION & REQUIREMENTS).
26 10 419	ELECTRIC BASEBOARD HEATER, TPI CORP. (RAYWALL/MARKEL) 2900C SERIES, 120V, 1ø 1500W, BUILD-IN THERMOSTAT, OR ELECTRIC WALL HEATER, TPI CORP. (RAYWALL/MARKEL) 3320 SERIES, 120V, 1ø 1500W, FORCED AIR, BUILD-IN THERMOSTAT. RECESS MOUNTED, 1'-0" A.F.F., OR ELECTRIC CEILING HEATER, TPI CORP. (RAYWALL/MARKEL) 3480 SERIES, 208V, 1ø 2000W, FORCED AIR, RECESS MOUNTED, 1'-0" TO THE NEAREST WALL.
26 10 420	PROVIDE POWER FOR VENDING MACHINE/VENDOR COOLER (WHEN REQUIRED). VERIFY ELECTRICAL REQUIREMENTS.

- POWER NOTES**
- ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
 - IF EXISTING CIRCUITS ARE AVAILABLE FOR GENERAL PURPOSE POWER, PROVIDE ADDITIONAL PANELBOARD DEDICATED TO COMPUTER RELATED EQUIPMENT. SEE NOTE 3.
 - NEW DEDICATED COMPUTER PANEL "LP-CT" SHALL INCLUDE A TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS), TO BE FURNISHED BY WALGREENS AND INSTALLED BY CONTRACTOR. SIZE ACCORDINGLY AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. CONTACT SCOTT WATSON OR ANGEL RATCLIFF TO REQUEST TVSS AND PART NUMBER. PLEASE SUPPLY THE FOLLOWING INFORMATION: PHASE, VOLTAGE, COMPANY NAME, AND STORE/SITE NUMBER.
 SCOTT WATSON/ANGEL RATCLIFF
 TEL - 708-647-8196
 FAX - 708-647-8602
 E-MAIL: SCOTT.WATSON@WALGREENS.COM
 - REFERENCE TO HEIGHT OF OUTLET OR RECEPTACLE SHALL BE MEASURED FROM FINISHED FLOOR TO CENTER OF OUTLET OR RECEPTACLE.
 - ALL RECEPTACLES SHALL BE GROUNDING TYPE.
 - ALL RECEPTACLES AND SWITCHES SHALL HAVE TWO (2) REVOLUTIONS OF ELECTRICAL TAPE (SCOTCH 33+) OVER ALL THE TERMINALS, TO PREVENT ACCIDENTAL CONTACT WITH THE JUNCTION BOX OR OUTLET BOX.
 - PVC CONDUIT AND FITTINGS ARE ACCEPTABLE ONLY BELOW SUBBASE MATERIAL OF GROUND BEARING FLOOR SLABS WHERE SUCH USE IS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. CONDUIT SIZE TO BE IN ACCORDANCE WITH NEC.
 - CONDUIT SHALL BE ELECTRICAL METALLIC (STEEL) TUBING (EMT), RIGID STEEL (SIZE IN ACCORDANCE WITH NEC), OR MC CABLE WHERE ALLOWED BY CODE. WHERE MC CABLE IS USED, PROPER SECUREMENT AND SUPPORT (AT INTERVALS NOT EXCEEDING 6 FEET) SHALL BE FOLLOWED PER NEC ART. 330.
 - ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX AND CONDUIT STUB-UP ABOVE CEILING FOR ALL LOW VOLTAGE CABLING. WALGREENS CONTRACTOR WILL PROVIDE APPROPRIATE CABLING. SEE DETAIL 6/E141 FOR ADDITIONAL INFORMATION.
 - DIMENSION IS FROM FINISHED WALL, SEE ARCHITECTURAL FOR WALL THICKNESS.
 - FIELD COORDINATE EXACT LOCATION OF OUTLETS AS DETERMINED BY THE ACTUAL FURNITURE LAY OUT. VERIFY WITH FIXTURE PLAN.
 - COORDINATE WITH OTHER DISCIPLINES FOR ELECTRICAL REQUIREMENTS OF EQUIPMENT NOT SHOWN ON DETAILS (i.e. ROOF-TOP UNITS, UNIT HEATERS, FANS, ETC.).
 - FOR ALL RECEPTACLES FED FROM PANEL "LP-CT", PROVIDE A LABEL ON THE FACEPLATE INDICATING PANEL "LP-CT" AND CIRCUIT NUMBER USING A P-TOUCH LABELING MACHINE.

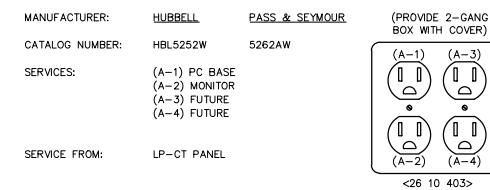


LEGEND

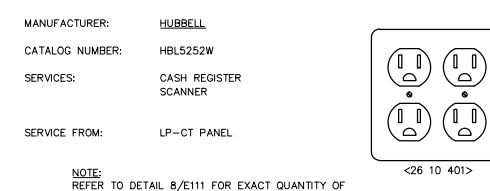
- OUTLET (WATTAGE AND LOCATION AS NOTED)
- FLOOR JUNCTION BOX (WATTAGE & LOCATION AS NOTED)
- STANDARD SINGLE RECEPTACLE
- STANDARD DUPLEX RECEPTACLE
- SURGE PROTECTIVE DEVICE (SPD) DUPLEX RECEPTACLE (SEE DETAIL 5/E111)
- STANDARD QUAD RECEPTACLE
- MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD)
- UNFUSED SAFETY DISCONNECT SWITCH
- FINAL CONNECTION TO EQUIPMENT
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- CASH REGISTER STAND



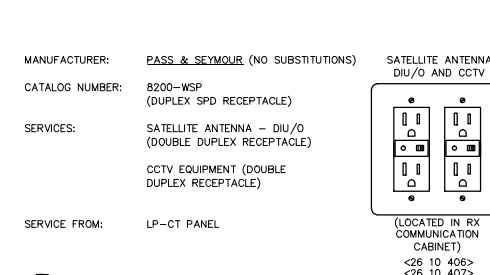
2 TIME/ATTENDANCE RECEPTACLES
 NOT TO SCALE



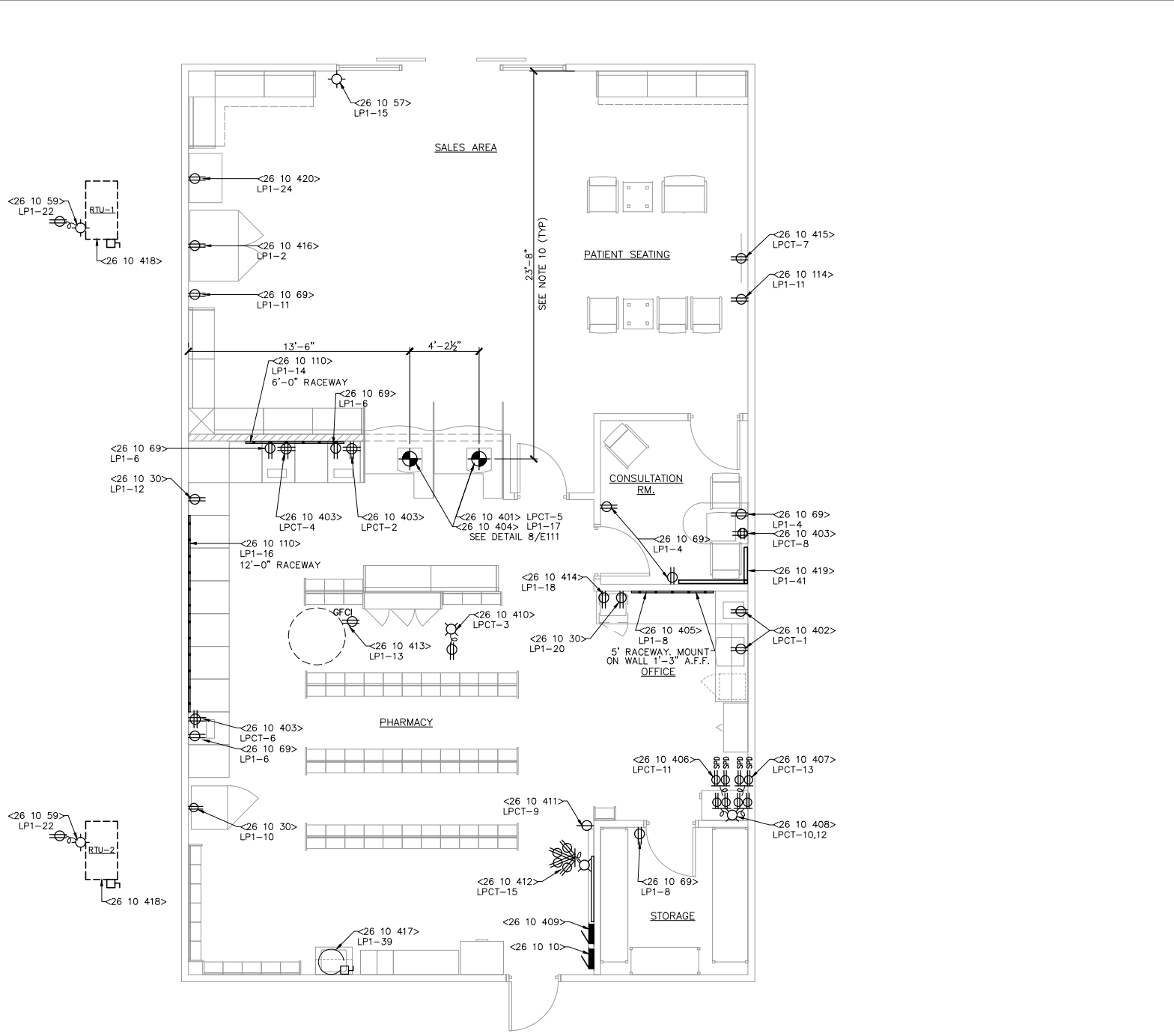
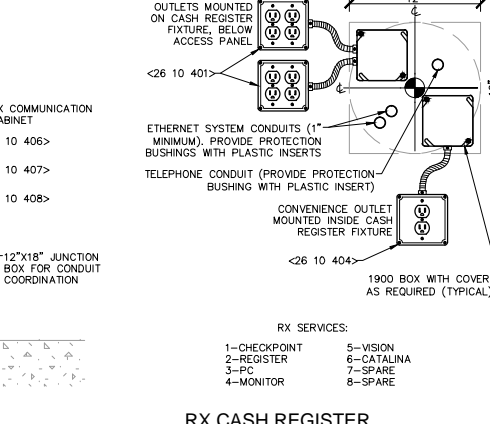
3 PHARMACY TERMINAL RECEPTACLES
 NOT TO SCALE



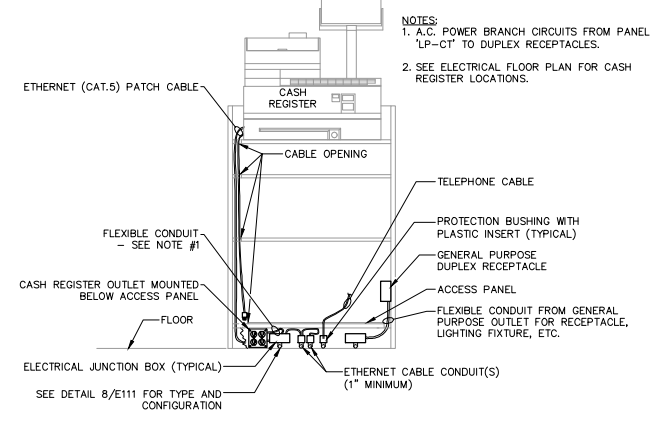
4 CASH REGISTER RECEPTACLES
 NOT TO SCALE



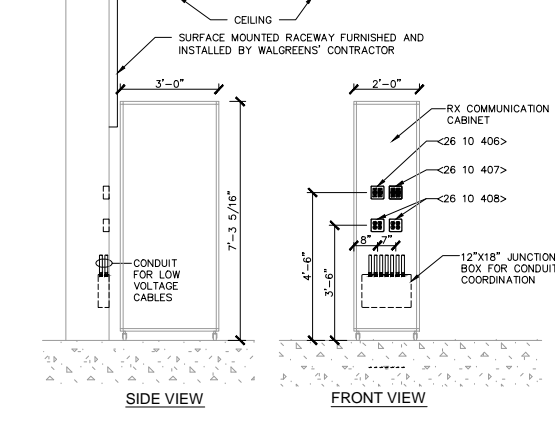
5 SPD RECEPTACLES
 NOT TO SCALE



1 FLOOR PLAN - POWER
 1/4" = 1'-0"



6 STANDARD CASH REGISTER STAND ELEVATION
 NOT TO SCALE



7 RX COMMUNICATION CABINETS - ELEVATION
 NOT TO SCALE

8 RX CASH REGISTER CIRCUIT STUB-UP DETAIL
 NOT TO SCALE

9 PARTIAL ROOF PLAN
 NOT TO SCALE



DESIGN AND ENGINEERING
FACILITIES PLANNING
106 WILMOT ROAD
DEERFIELD, IL 60015-5105

THEY CERTIFY THAT THE SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS. XXXXXXXX AS SIGNIFIED BY MY HAND AND SEAL.

NO.	DATE	BY	DESCRIPTION

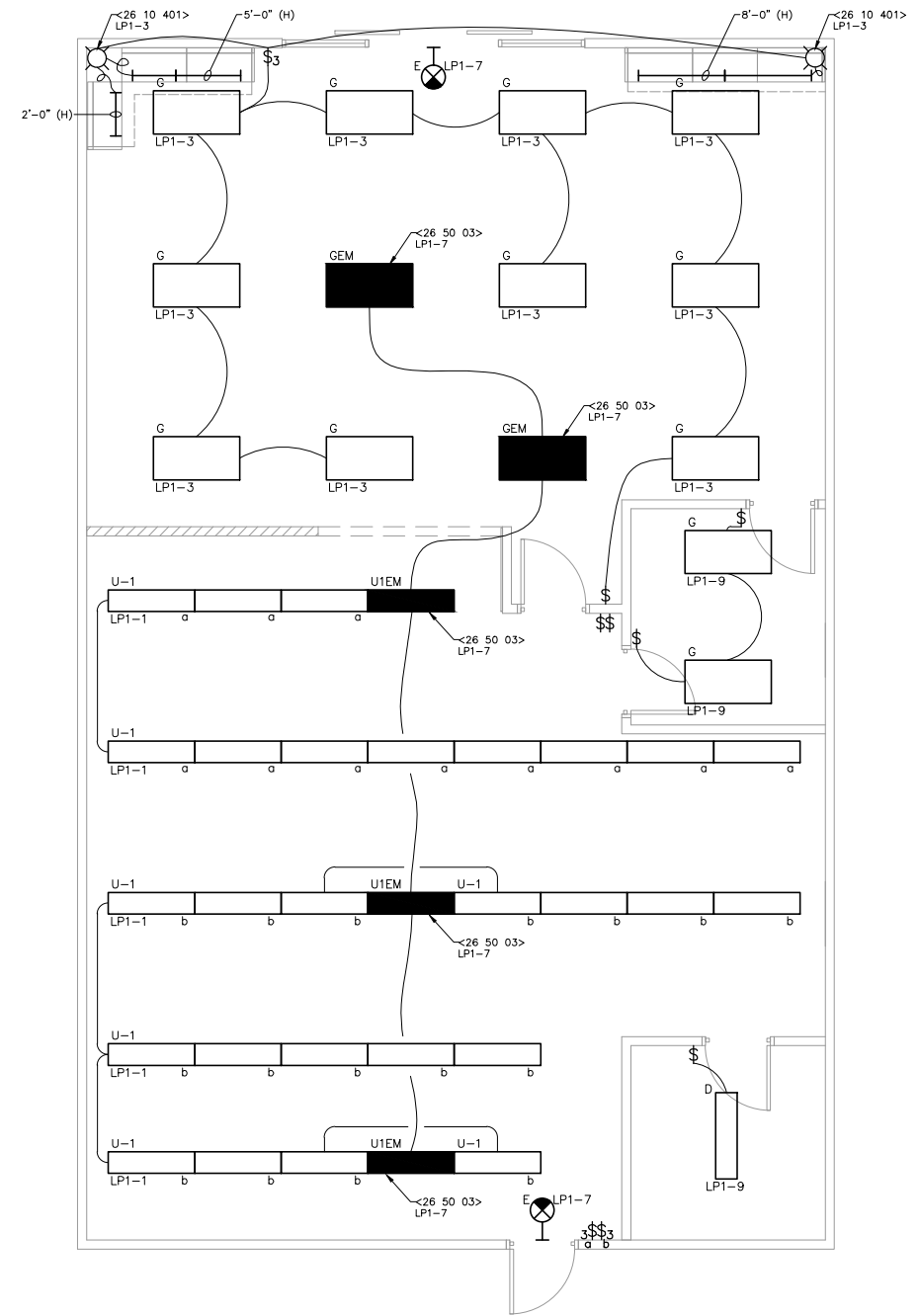
LEGEND

	FLUORESCENT LIGHTING - SEE SCHEDULE BELOW FOR DETAILS.
	FLUORESCENT NIGHT/EMERGENCY LIGHT
	EXIT LIGHT: 'E' (CEILING MOUNTED WITH PENDANT)
	EXIT LIGHT: 'E' (WALL MOUNTED)
	SWITCH
	SWITCH, 3-WAY

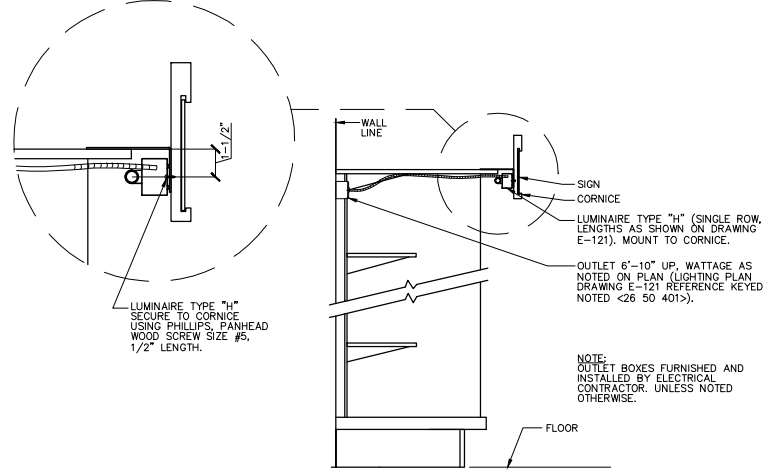
- NOTES**
- ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
 - SEE LUMINAIRE SCHEDULE BELOW FOR INFORMATION.
 - EXIT SIGNS AND EMERGENCY LIGHTS SHALL HAVE THEIR OWN SELF-CONTAINED STANDBY BATTERY POWER SUPPLY. IF LOCAL CODE REQUIRES A DIRECT TAP BEFORE ANY CIRCUIT BREAKERS THEN INCORPORATE INTO THE FEEDER DIAGRAM.
 - LUMINAIRES INSTALLED IN CONTINUOUS ROWS SHALL BE GROUNDING WITH A CONDUCTOR ROUTED FROM LUMINAIRE TO LUMINAIRE, ATTACHED TO EACH WITH GROUNDING LUG OR SCREW. ALIGNING CLIPS ARE NOT ACCEPTABLE. LUMINAIRE GROUNDING SHALL BE INSTALLED IN COMPLIANCE WITH NATIONAL ELECTRICAL CODE, ARTICLE 410-44.
 - DO NOT CONNECT EMERGENCY LIGHTS OR EXIT SIGNS WITH ANY OTHER LUMINAIRE. PROVIDE ENTIRELY SEPARATE RACEWAY SYSTEM ONLY WHERE REQUIRED, SUCH AS CHICAGO, CONNECT TO NORMAL ELECTRICAL SYSTEM WHERE ACCEPTABLE TO THE LOCAL CODE AUTHORITY.
 - "H" LUMINAIRE, LENGTHS SHOWN FOR REFERENCE ONLY. LUMINAIRE LENGTHS DEPEND ON THE LOCATION OF SALES AREA CORNICES SHOWN ON D-111 (FIXTURE PLAN). PROVIDE NO MORE THAN 6" OF SPACE FROM LUMINAIRES TO END OF CORNICE. CONTACT WALGREENS PROJECT ARCHITECT OR COORDINATOR FOR A COPY OF DRAWING D-111.
 - CEILING LIGHTS ARE TO BE HUNG FROM THE BAR JOIST MEMBERS AT THE DIAGONAL CORNERS.
 - CONDUIT SHALL BE ELECTRICAL METALLIC (STEEL) TUBING (EMT), RIGID STEEL (SIZE IN ACCORDANCE WITH NEC), OR MC CABLE WHERE ALLOWED BY CODE. WHERE MC CABLE IS USED, PROPER SECUREMENT AND SUPPORT (AT INTERVALS NOT EXCEEDING 6 FEET) SHALL BE FOLLOWED PER NEC ART. 330-30.
 - PROVIDE EMERGENCY LIGHTING TO MEET THE REQUIRED FOOT CANDLE LEVEL PER LOCAL CODE.
 - COORDINATE LIGHTING WITH SPRINKLER & MECHANICAL DRAWINGS.

REFERENCE KEYED NOTES

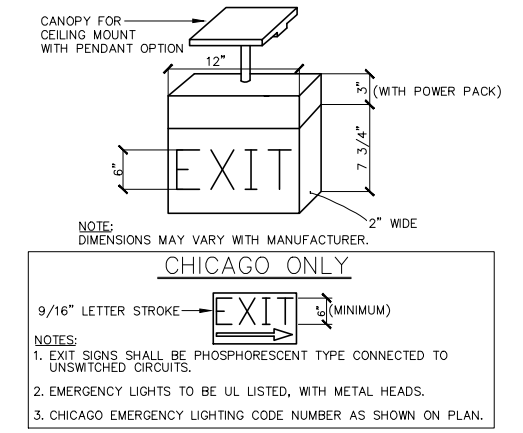
DIVISION 26 - ELECTRICAL -	
26 50 03	NIGHT/EMERGENCY LIGHTS (TO BE CIRCUITED AND SWITCHED SEPARATELY) WHEN REQUIRED.
26 50 401	OUTLET BOX IN WALL, ± 6"-10" A.F.F., CONNECT TO CORNICE MOUNTED (UNLESS NOTED OTHERWISE) LUMINAIRE "H". (LENGTH AS NOTED). SEE NOTE 6 AND DETAIL 2/E-121. COORDINATE WITH WALL SHELVING STANDARDS.



1 FLOOR PLAN - LIGHTING
1/4" = 1'-0"



2 LUMINAIRE TYPE 'H' AND RECEPTACLE DETAIL
NOT TO SCALE



3 EXIT SIGN DETAIL
NOT TO SCALE

LUMINAIRE SCHEDULE

LUMINAIRE TYPE	CATALOG NUMBER	MFG	LAMPS	MOUNTING	BALLAST INPUT WATTAGE	REMARK
D	IC-232-UNV-AD-IOP2P32SC L 2 32 MVOLT ADOP	METALUX LITHONIA	2-GE#32T8/25W/SPX41/ECO WITH ADVANCE BALLAST # IOP2P32SC	BOTTOM OF JOISTS OR CEILING	44	LUMINAIRE TO BE MOUNTED 14'-0" A.F.F. IN STORAGE ROOM. DO NOT ATTACH TO THE ROOF METAL DECK. ATTACH FROM ROOF SUPPORT.
E	CHX-61 (CHICAGO) SLX-70-RWH LX S W 3 R 120/277 EL N	SURE-LITES SURE-LITES LITHONIA	LED	CEILING OR WALL MOUNT		
G	2GR8-332A-UNV-AD-IOP3P32SC 2GT8-3-32-A12-MVOLT 1/3 ADOP	METALUX LITHONIA	3-GE#32T8/25W/SPX41/ECO WITH ADVANCE BALLAST # IOP3P32SC	RECESSED	65	
H	SN-132-UNV-AD-IOP1P32SC Z 1 32 MVOLT AINP SN-125-UNV-AD-IOP1P32SC Z 1 25 MVOLT AINP SN-117-UNV-AD-IOP1P32SC Z 1 17 MVOLT AINP	METALUX LITHONIA METHALUX LITHONIA METHALUX LITHONIA	GE#32T8/25W/SPX41/ECO WITH ADVANCE BALLAST # IOP1P32SC GE#25T8X/SPX41/ECO WITH ADVANCE BALLAST # IOP1P32SC GE#17T8XL/SPX41/ECO WITH ADVANCE BALLAST # IOP1P32SC	CORNICE	23	4'-0" FIXTURE. SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED. 3'-0" FIXTURE. SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED. 2'-0" FIXTURE. SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
U-1	GR8-232A-UNV-AD-IOP2P32SC GTB 2 32 A12 MVOLT ADOP	METALUX LITHONIA	2-GE#32T8/25W/SPX41/ECO WITH ADVANCE BALLAST # IOP2P32SC	RECESSED	44	PHARMACY HAS CLOSED LENS
GEM	2GR8-332A-UNV-AD-IOP3P32SC-B50 2GT8 3 32 A12 MVOLT 1/3 ADOP EL14	METALUX LITHONIA	3-GE#32T8/25W/SPX41/ECO WITH ADVANCE BALLAST # IOP3P32SC & EMERGENCY BALLAST	RECESSED	69	EMERGENCY BALLAST BODINE CAT.#B50 (SEE NOTE 5) EMERGENCY BALLAST LITHONIA CAT.#EL14 (SEE NOTE 5)
U1EM	GR8-232A-UNV-AD-IOP2P32SC-B50 GTB 2 32 A12 MVOLT ADOP EL14	METALUX LITHONIA	2-GE#32T8/25W/SPX41/ECO WITH ADVANCE BALLAST # IOP2P32SC & EMERGENCY BALLAST	RECESSED	48	EMERGENCY BALLAST BODINE CAT.#B50 (SEE NOTE 5) EMERGENCY BALLAST LITHONIA CAT.#EL14 (SEE NOTE 5)

- NOTES:**
- ALL FLUORESCENT LUMINAIRES TO HAVE ADVANCE TRANSFORMER ELECTRONIC BALLASTS.
 - G.E. INDICATES GENERAL ELECTRIC COMPANY.
 - ALL LUMINAIRES SHALL BE SHIPPED WITHOUT LAMPS.
 - VERIFY ALL LUMINAIRE DIMENSIONS WITH MANUFACTURER TO AVOID CONFLICTS WITH OTHER DISCIPLINES.
 - BODINE #B50 AND LITHONIA #EL14 EMERGENCY BALLASTS ARE 1400 LUMENS

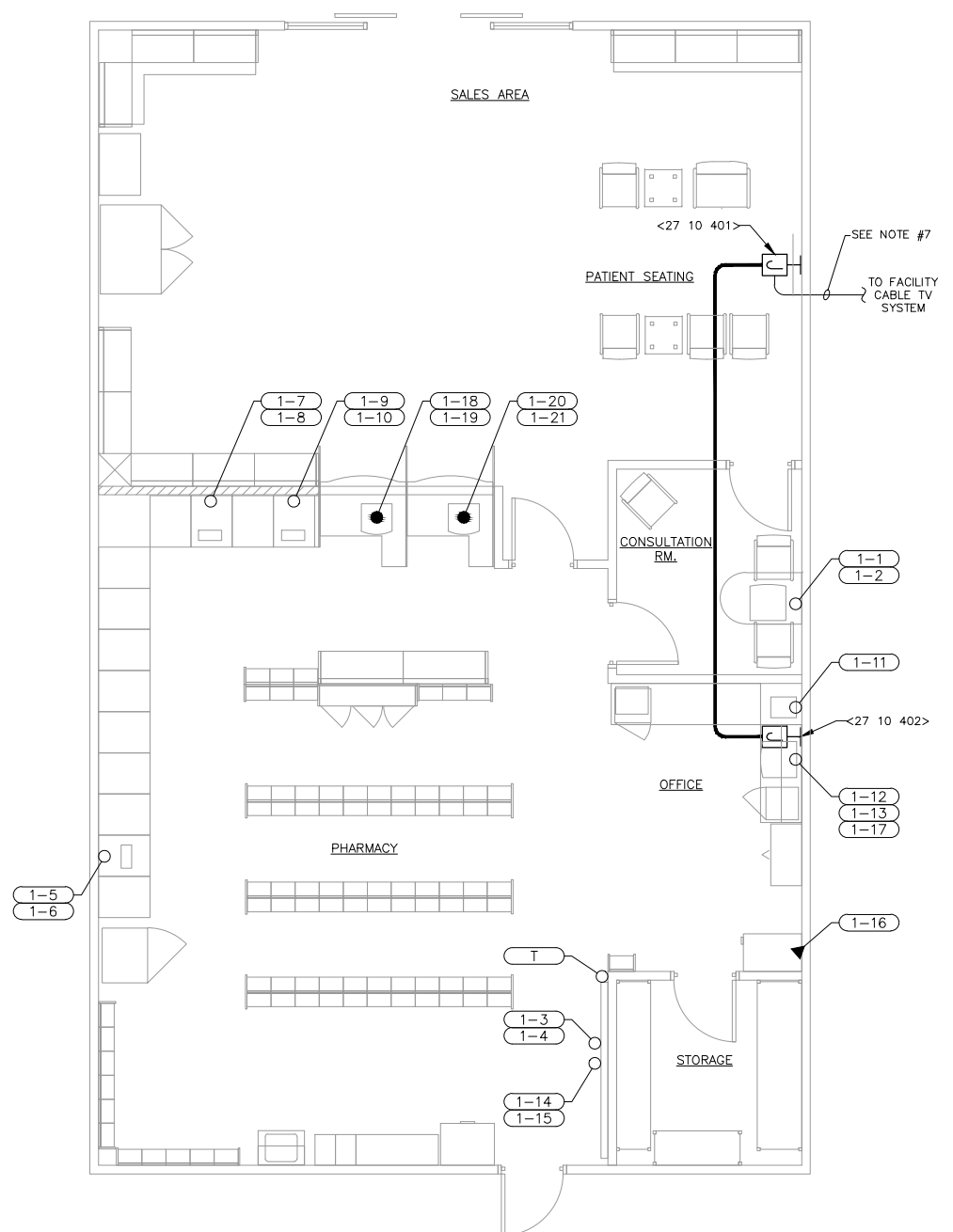
REVISIONS

NO.	DATE	BY	DESCRIPTION

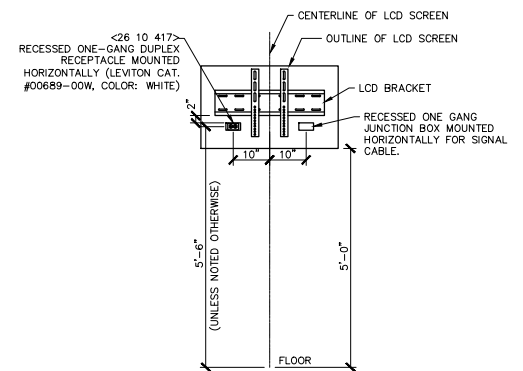
FLOOR PLAN - LIGHTING

FILE NAME: _____
 FILENAME: _____
 DRAWN BY: _____
 E. LAST NAME: _____
 DATE: XX/XX/XX
 REVIEWED: _____
 E. LAST NAME: _____

FACILITY NUMBER 98999
WALGREENS
 ON-SITE PHARMACY
 ADDRESS _____
 CITY, STATE _____



1 FLOOR PLAN - ETHERNET SYSTEM
1/4" = 1'-0"



2 LCD DISPLAY MONITOR ROUGH-IN
1/2" = 1'-0"

CONDUIT AND CABLE SCHEDULE

CONDUIT SIZE	CATEGORY 5E
3/4"	3
1"	5
1 1/4"	8
1 1/2"	15
2"	20

LEGEND

○	JUNCTION BOX IN NEAREST WALL (16" A.F.F. UNLESS OTHERWISE NOTED)
●	JUNCTION BOX UNDERNEATH FIXTURE
▶	CONNECTED TO EQUIPMENT IN COMMUNICATION CABINET
⌋	2 GANG, EXTRA DEEP, WALLMOUNT JUNCTION BOX FOR LCD VIDEO CABLING. PROVIDE 1 1/4" C. STUBBED INTO ACCESSIBLE CEILING SPACE

ETHERNET SYSTEM NOTES

- ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
- ETHERNET "CATEGORY 5E" CABLES TO BE FURNISHED AND INSTALLED BY WALGREENS' CONTRACTOR (CERTIFIED CATEGORY 5E INSTALLER) AND SHALL FOLLOW "EIA/TIA" CATEGORY 5E SPECIFICATIONS. THE ETHERNET (CATEGORY 5E) SYSTEM SHALL ALSO BE TESTED WITH A WAVETECH/WIRESCOPE DEVICE AND REPORT SUBMITTED TO WALGREEN COMPANY.
- CONDUIT BENDS SHALL HAVE A MINIMUM RADIUS OF EIGHT TIMES THE CONDUIT DIAMETER.
- ALL CONDUITS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE PULL BOX AT COMMUNICATION CABINET LOCATION. ELECTRICAL CONTRACTOR SHALL FURNISH #12 PULL STRING IN EACH CONDUIT.
- IF CABLES ARE ROUTED BELOW FLOOR, THEN USE 1" CONDUIT (MINIMUM).
- IF CABLES ARE ROUTED ABOVE CEILING (SEE DETAIL 7/E141 - FOR CONDUIT IN WALL), THEN NO CONDUIT NECESSARY ABOVE CEILING WHEN CABLES ARE RATED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE FOR USE ABOVE CEILING, OTHERWISE PROVIDE 3/4" CONDUIT MINIMUM.
- WALGREENS CONTRACTOR TO CONNECT COAXIAL CABLE FOR LCD TV TO EXISTING FACILITY CABLE TV SYSTEM, VERIFY LOCATION IN FIELD.
- FOR FURTHER INFORMATION CONTACT WALGREENS CONSTRUCTION AND FACILITIES MANAGEMENT DEPARTMENT @ (847) 315 3716.

REFERENCE KEYED NOTES

- DIVISION 27 - COMMUNICATIONS -**
- 27 10 401 FURNISH AND INSTALL 2 GANG, EXTRA DEEP JUNCTION BOX WITH 1 1/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR LCD VIDEO CABLES. SEE DETAIL 2/E131 FOR MOUNTING REFERENCE.
 - 27 10 402 FURNISH AND INSTALL 2 GANG, EXTRA DEEP JUNCTION BOX WITH 1 1/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR LCD CABLES. (MOUNTED 1'-6" A.F.F.)

PHARMACY COMMUNICATION CABINET CABLING

CABLE LABEL	CABLE TYPE	FROM	TO
1-1	CAT.5E	RX COMMUNICATION CABINET	RX CONSULTATION AREA
1-2			RX CONSULTATION AREA
1-3			TELEPHONE BOARD
1-4			TELEPHONE BOARD
1-5			RX WORK COUNTER
1-6			RX WORK COUNTER
1-7			RX WORK COUNTER
1-8			RX WORK COUNTER
1-9			RX WORK COUNTER
1-10			RX WORK COUNTER
1-11			OFFICE PRINTER
1-12			OFFICE SPARE
1-13			OFFICE PC
1-14			SECURITY/ALARM PANEL
1-15			INDYME CONTROLLER
1-16			COMM. CAB-AS400 TERMINAL
1-17			OFFICE-POS TERMINAL
1-18			Rx CASH REGISTER
1-19			Rx CASH REGISTER
1-20			Rx CASH REGISTER
1-21			Rx CASH REGISTER

MISCELLANEOUS CABLING

CABLE LABEL	CABLE TYPE	FROM	TO
T	CAT.5E	RX COMMUNICATION CABINET	TIME CLOCK, DRAWING E111 (LOCATE ADJACENT TO TIME CLOCK RECEPTACLE)
VGA			MONITOR



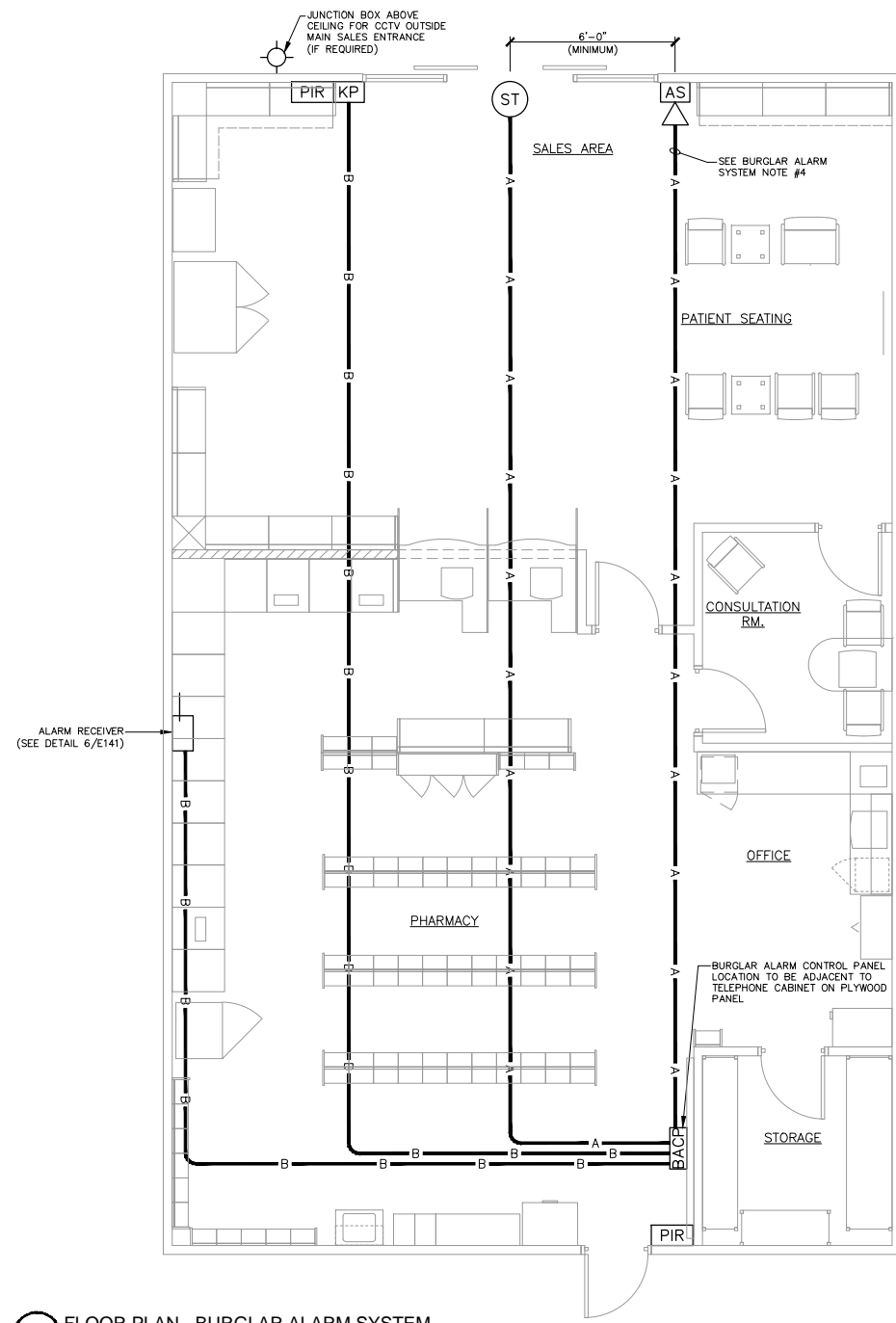
THESEY CERTIFY THAT SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS. XXXXXXXX AS SIGNED BY MY HAND AND SEAL.

REVISIONS

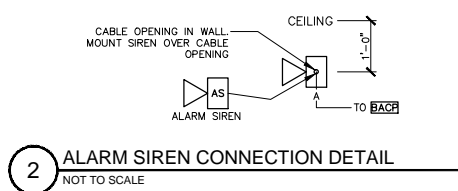
NO.	DATE	BY	DESCRIPTION

FLOOR PLAN - ETHERNET SYSTEM

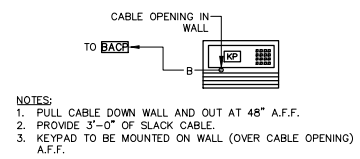
FILE NAME:	FACILITY NUMBER 99999
DRAWN BY:	WALGREENS
E. LAST NAME:	ONSITE PHARMACY
DATE:	ADDRESS
REVIEWED:	CITY, STATE
E. LAST NAME:	



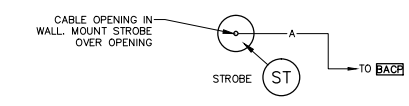
1 FLOOR PLAN - BURGLAR ALARM SYSTEM
1/4" = 1'-0"



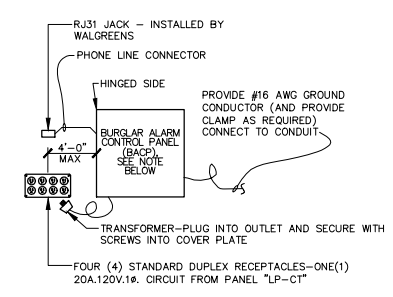
2 ALARM SIREN CONNECTION DETAIL
NOT TO SCALE



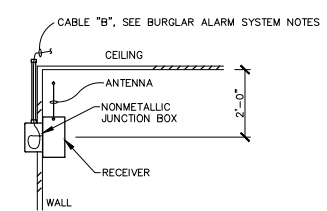
3 KEYPAD CONNECTION DETAIL
NOT TO SCALE



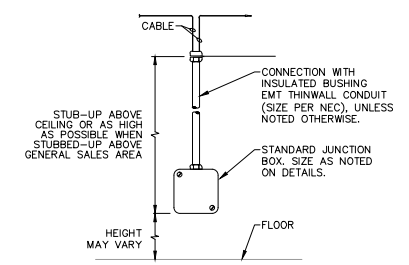
4 STROBE CONNECTION DETAIL
NOT TO SCALE



5 BURGLAR ALARM CONTROL PANEL DETAIL
NOT TO SCALE



6 BURGLAR ALARM RECEIVER DETAIL
NOT TO SCALE



7 EQUIPMENT CONNECTION STUB-UP ELEVATION
NOT TO SCALE

NOTES

- ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
- BURGLAR ALARM SYSTEM DEVICES FURNISHED BY WALGREENS, CABLES FURNISHED AND INSTALLED BY LANDLORD'S CONTRACTOR. FINAL TERMINATION OF BURGLAR ALARM SYSTEM DEVICES WILL BE BY WALGREENS DATA TERMINAL REPAIR (DTR) OR WALGREENS CONTRACTOR.
- THIS DRAWING SHOWS ONLY WORK DONE BY THE ELECTRICAL CONTRACTOR AND DOES NOT SHOW A COMPLETE SYSTEM. ADDITIONAL PIR MOTION DETECTOR & DOOR CONTACTS ARE TO BE INSTALLED BY WALGREENS (DTR).
- CABLE REQUIREMENTS:
A)- 18 GAUGE, 2 CONDUCTOR, TWISTED & STRANDED, (BELDEN 5300UE).
(B)- 18 GAUGE, 4 CONDUCTOR, TWISTED & STRANDED, (BELDEN 5302UE).
- ALARM STROBE AND ALARM SIREN TO BE INSTALLED A MINIMUM OF 6'-0" APART.

LEGEND

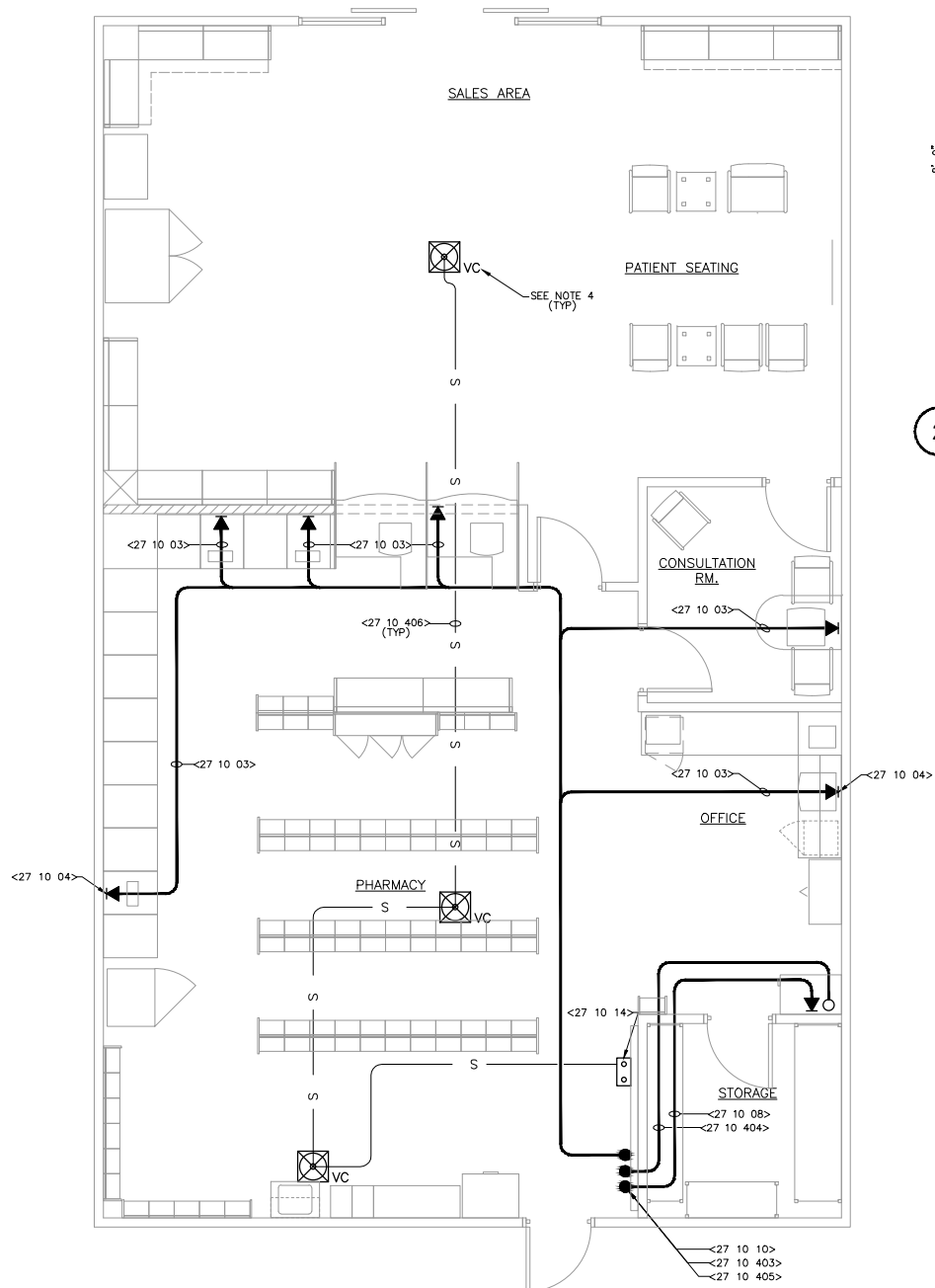
- BURGLAR ALARM CONTROL PANEL
- ALARM SIREN
- STROBE
- ALPHA KEYPAD
- PIR MOTION DETECTOR
- A- CABLE - SEE BURGLAR ALARM SYSTEM NOTE #4
- B- CABLE - SEE BURGLAR ALARM SYSTEM NOTE #4



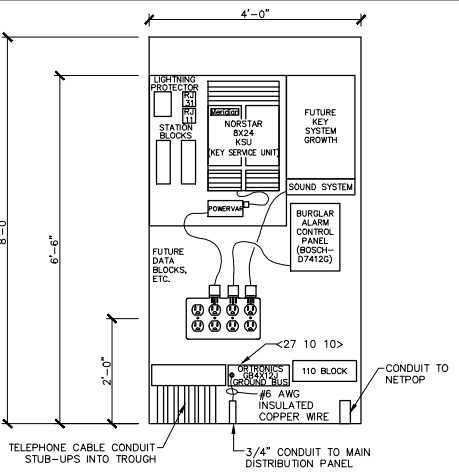
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REVISIONS	
NO.	DESCRIPTION

FILE NAME:	FLOOR PLAN - BURGLAR ALARM SYSTEM
FILE NAME:	FACILITY NUMBER 98999
DRAWN BY:	WALGREENS
E. LAST NAME:	ONSITE PHARMACY
DATE:	ADDRESS
REVIEWED:	CITY, STATE
F. LAST NAME:	



1 FLOOR PLAN - TELEPHONE AND SOUND SYSTEM
1/4" = 1'-0"



2 TELEPHONE TERMINAL BOARD ELEVATION
NOT TO SCALE

TELEPHONE SYSTEM NOTES

- THE GENERAL CONTRACTOR/DEVELOPER SHALL COORDINATE THE INSTALLATION OF:
 - ONE(1) 25-PAIR UNSHIELDED TWISTED PAIR (UTP) CABLE BETWEEN NETPOP AND TELEPHONE TERMINAL BOARD WITHIN WALGREEN'S SPACE. PUNCHED DOWN TWO(2) EACH 100-PAIR, 110-BLOCK (WITH LEGS), ONE AT EACH END. BLOCK SHOULD BE INSTALLED HORIZONTALLY WITH THE 25-PAIR TERMINATED ON THE TOP ROW. LABEL AS 'WALGREEN VOICE CABLE' AT BOTH ENDS.
 - IF 25-PAIR CABLE EXISTS BETWEEN NETPOP AND WALGREENS SPACE, RE-USE EXISTING CABLE.
 - TWO(2) SEPARATE CAT 5E UNSHIELDED TWISTED PAIR (UTP) CABLES BETWEEN NETPOP AND TELEPHONE TERMINAL BOARD INSTALLED ON THE BOTTOM ROW OF THE 110-BLOCK. LABEL AS 'WALGREEN DATA1' AND 'WALGREEN DATA2' AT BOTH ENDS.
 - IF WALGREENS SPACE IS OVER 650'-0" FROM NETPOP, UTILIZE TWO(2) SEPARATE CAT 5E SHIELDED TWISTED PAIR (STP) CABLES.
- ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
- TELEPHONE WIRING TO BE FURNISHED AND INSTALLED BY WALGREENS CONTRACTOR. CONDUIT AND #12 PULL STRING WILL BE FURNISHED AND INSTALLED BY LANDLORD'S CONTRACTOR.
- TELEPHONE CABLES SHALL NOT BE PLACED OR ROUTED OVER FLUORESCENT FIXTURES OR BALLASTS.
- NO EXPOSED TELEPHONE CABLES ARE PERMITTED IN THE SALES AREA.

SOUND SYSTEM NOTES

- WALGREEN COMPANY SHALL FURNISH AND INSTALL SOUND SYSTEM EQUIPMENT UNLESS NOTED OTHERWISE.
- WALGREEN COMPANY SHALL FURNISH AND INSTAL ALL SOUND SYSTEM WIRING UNLESS NOTED OTHERWISE.
- COORDINATE SPEAKER LOCATIONS WITH REFLECTED CEILING PLAN.
- FOR CEILING GREATER THAN 9'-0" A.F.F. USE SPEAKER WITHOUT INTEGRAL VOLUME CONTROL.

LEGEND

- SPEAKER (CEILING MOUNTED)
- VC SPEAKER WITH INTEGRAL VOLUME CONTROL
- SOUND SYSTEM (MOUNTED ADJACENT TO TELEPHONE BOARD)
- S— SOUND SYSTEM CABLE
- ▶ TELEPHONE OUTLET
- JUNCTION BOX IN NEAREST WALL
- JUNCTION BOX UNDERNEATH FIXTURE

REFERENCE KEYED NOTES

DIVISION 27 - COMMUNICATIONS -	
27 10 03	3/4" CONDUIT SHALL BE PROVIDED AS REQUIRED PER NOTES AND/OR STATE AND LOCAL CODES.
27 10 04	TELEPHONE POWER FAILURE JACKS ARE TELEPHONE OUTLETS WHICH BYPASS THE NORSTAR SYSTEM AND ARE USED DURING ELECTRICAL POWER INTERRUPTIONS. THE TELEPHONE POWER FAILURE JACKS ARE WIRED DIRECTLY TO THE STATION BLOCKS. TELEPHONE POWER FAILURE JACKS ARE LOCATED IN THE PHARMACY AND IN THE OFFICE.
27 10 08	THE ELECTRICAL CONTRACTOR SHALL PROVIDE A 1" CONDUIT FROM THE TELEPHONE TERMINAL BOARD TO THE PHARMACY COMMUNICATION CABINET. WALGREENS CONTRACTOR SHALL FURNISH AND INSTALL THREE (3) PAIRS (MIN.) OF TELEPHONE CABLE AND AN ADDITIONAL #12 PULL STRING (FOR DTR USE) IN THAT CONDUIT. THE THREE (3) PAIRS (MIN.) TELEPHONE CABLES WILL BE TERMINATED BY A DTR (DATA TERMINAL REPAIR) TECHNICIAN AT THE TELEPHONE TERMINAL BOARD.
27 10 10	ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL "ORTRONICS" GB4X12J GROUND BUS. [TO PURCHASE GROUND BUS, CALL ANIXTER @ (847) 390-4530]
27 10 14	SOUND SYSTEM RECEIVER, FURNISHED AND INSTALLED BY WALGREENS. SEE DETAIL ON THIS DRAWING.
27 10 403	THE CONTRACTOR SHALL FURNISH AND INSTALL AN 4'X8' 3/4" A-C GRADE PLYWOOD (TREATED PER CODE) FOR TELEPHONE BOARD MOUNTING.
27 10 404	CABLE LABELED (2) CATEGORY 3 (25 PAIR) FURNISHED AND INSTALLED BY WALGREENS CONTRACTOR. FROM RX COMMUNICATION CABINET TO TELEPHONE BOARD LOCATION, CONDUIT FURNISHED AND INSTALLED BY LANDLORD'S CONTRACTOR.
27 10 405	UTILITY SERVICE ENTRANCE LOCATION.
27 10 406	SOUND SYSTEM CABLE, 22 GAUGE, 2/C, STRANDED (UL) TYPE CM-CL2 (BELDEN 5500UE), FURNISHED AND INSTALLED BY WALGREENS UNLESS NOTED OTHERWISE.

PANEL SCHEDULE NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE THIS INSTALLATION IN COMPLIANCE WITH ALL ELECTRICAL AND FIRE PREVENTION CODES, SUPERSEDING ALL SPECIFICATIONS, DRAWINGS AND NOTES.
- PANEL "LP-CT" FEEDER AND BRANCH CIRCUIT CONDUCTORS MUST BE RUN SEPARATE FROM OTHER PANEL CONDUCTORS. (DO NOT RUN THROUGH A COMMON RACEWAY OR TROUGH).
- FEEDERS TO BE SIZED UTILIZING A 20% SPARE ALLOWANCE FACTOR FOR FUTURE ADDED LOADS.
- INTERRUPTING RATING OF ALL PROTECTIVE DEVICES IS THE RESPONSIBILITY OF THE DESIGN ENGINEER.
- ALL BUSES IN ELECTRICAL SERVICE EQUIPMENT, DISTRIBUTION PANELS, ETC., ARE TO BE STANDARD ALUMINUM ALLOY. ALL FEEDERS AND BRANCH CIRCUITS ARE TO BE COPPER.
- PANELBOARDS SHALL NOT BE USED AS RACEWAYS OR JUNCTION BOXES.
- RE-USE EXISTING PANELBOARDS IF IN GOOD CONDITION, PROVIDE WHEN NECESSARY. PANELBOARDS SHALL HAVE BOLT-ON CIRCUIT BREAKERS 20A, 1-POLE (UNLESS NOTED OTHERWISE); HAVE THERMOMAGNETIC TRIP, QUICK MAKE/QUICK BREAK, AND TRIP FREE HANDLES. FOR SHORT CIRCUIT RATING REFER TO WALGREEN CO. CRITERIA SPECIFICATIONS SECTION 16400, PAR. 2.02.
- PROVIDE "LOCK-ON" HARDWARE FOR ALL CRITICAL LOADS, COMPUTERS, REFRIGERATORS, ETC.
- NO SPACES ALLOWED IN PANELS UNLESS NOTED OTHERWISE. SEE PANEL SCHEDULES FOR BREAKER QUANTITY.
- PANEL "LP-CT" SHALL HAVE A NEUTRAL BUS WITH 31 SCREWS (MINIMUM).
- THE FOLLOWING WARNING SIGN SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR ON EACH PANELBOARD ENCLOSURE: "AREA IN FRONT OF THIS ELECTRICAL PANEL MUST BE KEPT CLEAR FOR 36" PER OSHA-NEC REGULATIONS."

ONE LINE DIAGRAM

PANEL LP-1		SPACES: 42		MOUNTING: SURFACE		LOCATION: PHARMACY		MAIN LUG ONLY: 225A		MAIN BREAKER		VOLTAGE: 120/208V.3ø.4W		MAIN BUS RAT. 225A		FEED: TOP			
NOTE	CKT. NO.	DESCRIPTION	A ø	B ø	C ø	BKR SIZE	POLE	A	B	C	BKR SIZE	POLE	A ø	B ø	C ø	DESCRIPTION	CKT. NO.	NOTE	
L 1	3	PHARMACY LIGHTING	1188			20	1				20	1	920			SALES REFRIGERATOR (BMG-52)	2	L	
L 3		GENERAL SALES/HI FIXTURE LIGHTING		755		20	1				20	1	600		800	GEN. PURP. RECEPTACLES (CONSULTATION ROOM)	4		
L 5		SPARE				20	1				20	1				GEN. PURP. RECEPTACLES (PHARMACY COUNTER)	6		
L 7		NIGHT/EMERGENCY LIGHTS & EXIT SIGNS	290			20	1				20	1	400			OFFICE PLUGMOLD/RECEPTACLE (STORAGE)	8		
L 9		STORAGE/CONSULTATION ROOM LIGHTING	174			20	1				20	1	500			PHARMACY BIOLOGICAL REFRIGERATOR	10	L	
L 11		SALES AND PATIENT WAITING RECEPTACLES		400		20	1				20	1			1000	UNDERCOUNTER FREEZER	12	L	
L 13		GEN. PURP. RECEPTACLE (SATELLITE DISH)	200			20	1				20	1	400			PHARMACY WORK COUNTER PLUGMOLD	14		
L 15		AUTOMATIC SLIDING DOORS (IF REQUIRED)		1200		20	1				20	1	600			PHARMACY WORK COUNTER PLUGMOLD	16		
L 17		RECEPTACLES (INSIDE CASH REG STAND)			400	20	1				20	1			500	UNDERCOUNTER REFRIGERATOR	18		
L 19		SPARE				20	1				20	1	1000			MICROWAVE OVEN	20		
L 21		SPARE				20	1				20	1	400			ROOFTOP UNIT MAINTENANCE RECEPTACLES (IF REQUIRED)	22		
L 23		SPARE				20	1				20	1				VENDING MACHINE/VENDOR COOLER (IF REQUIRED)	24		
L 25		SPARE				20	1				20	1				SPARE	26		
L 27		SPARE				20	1				20	1				SPARE	28		
L 29		SPARE				20	1				20	1				SPARE	30		
L 31		SPARE				20	1				20	1				SPARE	32		
L 33		SPARE				20	1				20	1				SPARE	34		
L 35		SPARE				20	1				20	1				SPARE	36		
L 37		SPARE				20	1				30						38		
L 39		ELECTRIC WATER HEATER (IF REQUIRED)				20	1										LP-CT	40	
L 41		WALL HEATER (IF REQUIRED)				20	1											42	
			TOTAL						TOTAL										

PANEL LP-CT		SPACES: 30		MOUNTING: SURFACE		LOCATION: PHARMACY		MAIN LUG ONLY: 100A		MAIN BREAKER		VOLTAGE: 120/208V.3ø.4W		MAIN BUS RAT. 100A		FEED: TOP		
NOTE	CKT. NO.	DESCRIPTION	A ø	B ø	C ø	BKR SIZE	POLE	A	B	C	BKR SIZE	POLE	A ø	B ø	C ø	DESCRIPTION	CKT. NO.	NOTE
L 1		OFFICE SYSTEM EQUIPMENT		900		20	1				20	1	500			PHARMACY "VERIFICATION" TERMINAL	2	L
L 3		PHARMACY CAMERA		350		20	1				20	1	500			PHARMACY "VERIFICATION" TERMINAL	4	L
L 5		(2) RX CASH REGISTERS			600	20	1				20	1	500			PHARMACY "VERIFICATION" TERMINAL	6	L
L 7		LCD DISPLAY (SALES)		400		20	1				20	1	500			CONSULTATION ROOM TERMINAL	8	L
L 9		TIME/ATTENDANCE		300		20	1				20	1	500			PHARMACY COMMUNICATION CABINET	10	L
L 11		SAT ANTENNA-DIGITAL INTERFACE UNIT			400	20	1				20	1			500	PHARMACY COMMUNICATION CABINET	12	L
L 13		COVERT CCTV SYSTEM		500		20	1				20	1				SPARE	14	L
L 15		BURGLAR/TEL./SOUND SYSTEM/LPS MODULE		800		20	1				20	1				SPARE	16	L
L 17		SPARE				20	1				20	1				SPARE	18	L
L 19		SPARE				20	1				20	1				SPARE	20	L
L 21		SPARE				20	1				20	1				SPARE	22	L
L 23		SPARE				20	1				20	1				SPARE	24	L
L 25		SPARE				20	1				30					SPARE	26	L
L 27		SPARE				20	1										28	L
L 29		SPARE				20	1									TVSS	30	L
			TOTAL						TOTAL									



DESIGN AND ENGINEERING
FACILITIES PLANNING
105 WILMOT ROAD
DEERFIELD, IL 60015-5105

THESEY CERTIFY THAT THE SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS. I HAVE REVIEWED THIS DRAWING AS SIGNIFIED BY MY HAND AND SEAL.

NO.	DATE	BY	DESCRIPTION

FLOOR PLAN - PHONE & SOUND SYSTEM/PANEL SCHEDULE

FILE NAME: _____
 FILENAME: _____
 DRAWN BY: _____
 E. LAST NAME: _____
 DATE: XX/XX/XX
 REVIEWED: _____
 F. LAST NAME: _____

FACILITY NUMBER 98999
WALGREENS
 ONSITE PHARMACY
 ADDRESS _____
 CITY, STATE _____

E-151