GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO THE ENTIRE PROJECT AND APPLY TO ALL TRADES.
2. DRAWINGS HAVE BEEN PREPARED ON AN ORIGINAL SHEET SIZE OF 24 x 36 INCHES.
3. CONSULT DRAWINGS OTHER THAN ARCHITECTURAL DRAWINGS FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND SYMBOLS.
4. CONDITIONS AND DIMENSIONS SHOWN ON SITE PLANS ARE FROM AVAILABLE RECORDS. THE ARCHITECT BEARS NO RESPONSIBILITY FOR THE ACCURACY OF INFORMATION SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING INFORMATION SHOWN PRIOR TO STARTING THE WORK.
   a. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES.
   b. VERIFY ALL INVERT ELEVATIONS AT POINTS OF CONNECTIONS OF NEW WORK PRIOR TO STARTING ANY WORK.
   c. EXISTING UTILITIES IF SHOWN HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND FOR CONVENIENCE ONLY.
   d. IF NECESSARY TO COMPLETE THE WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY ADDITIONAL UTILITY LOCATIONS AND SIZES NOT SHOWN.
5. THE CONTRACTOR SHALL TAKE ALL POSSIBLE CARE TO AVOID DAMAGE OR DISTURBANCE TO EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY CONTRACTOR–CAUSED DAMAGE TO THE UTILITIES. SUCH REPAIRS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE AND IN SUCH A MANNER AS TO BE LEAST–DISRUPTIVE AS POSSIBLE TO THE OWNER'S OPERATIONS.
6. DO NOT SCALE THE DRAWINGS TO OBTAIN DIMENSIONS. WRITTEN DIMENSIONS GOVERN. USE ACTUAL FIELD MEASUREMENTS.
7. DIMENSIONS ARE TO/FROM THE:
   a. CENTERLINE OF INTERIOR COLUMNS.
   b. GRID LINES AT EXTERIOR FACE OF MASONRY WALL AND EXTERIOR FACE OF CONCRETE WALL.
   c. EDGE OF OPENINGS AS INDICATED.
   d. FACE OF STUDS.
   e. FACE OF CONCRETE OR MASONRY (NOMINAL).
   f. ALL HEIGHTS ARE DIMENSIONED FROM THE TOP OF THE SLAB (ALSO NOTED AS FINISHED FLOOR OR INDICATED BY THE "DATUM" SYMBOL) UNLESS NOTED OTHERWISE.
   g. ALL DIMENSIONS NOTED "CLEAR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THE THICKNESS OF ALL FINISHES INCLUDING CARPETING, TILE, WAINSCOT AND TRIM.
   h. ALL DOORS NOT LOCATED BY DIMENSIONS ON PLANS OR DETAILS SHALL BE LOCATED SO THE EDGE OF THE DOOR ROUGH OPENING IS 4–INCHES AWAY FROM THE FACE OF ANY ADJOINING INTERSECTING WALL.
8. VERIFY ALL DIMENSIONS OF EXISTING CONDITIONS. NEITHER THE ARCHITECT NOR HIS CONSULTANTS ARE RESPONSIBLE FOR THE ACCURACY OF THESE DIMENSIONS. IF EXISTING CONDITIONS OR DIMENSIONS ARE NOT AS SHOWN, IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
9. VERIFY ALL ROUGH–IN DIMENSIONS FOR EQUIPMENT FURNISHED AND/OR INSTALLED BY THE CONTRACTOR, SUBCONTRACTORS, OWNER OR OTHERS.
10. THE CONTRACTOR SHALL CONSULT DRAWINGS OF ALL TRADES FOR OPENINGS THROUGH SLABS, WALLS, CEILINGS AND ROOFS FOR DUCTS, PIPES, CONDUIT, CABINETS, EQUIPMENT, ETC. AND SHALL VERIFY THE SIZES AND LOCATIONS WITH SUBCONTRACTORS.
11. IN ROOMS OPEN TO STRUCTURE, PLACE NO OBSTRUCTIONS, INCLUDING MAINS, PIPING, CONDUIT, ETC. OF ANY KIND SO AS TO IMPAIR GIVEN CEILING HEIGHTS AND CLEARANCES. RUN PIPING, CONDUITS, ETC. IN JOIST DEPTH. DO NOT RUN BELOW SKYLIGHTS.
12. ALL CONDUITS, PIPING, ETC. SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS; DO NOT RUN AT AN ANGLE TO THE WALLS.
13. IN ROOMS OR SPACES SCHEDULED TO RECEIVE WALL AND/OR CEILING FINISHES, DO NOT RUN EXPOSED CONDUITS, PIPING, ETC. ON WALLS OR CEILINGS.
14. ALL WORK IS TO BE PLUMB, LEVEL, TRUE TO LINE, AND STRAIGHT.
15. ALL JOINTS ARE TO BE TIGHT, STRAIGHT, EVEN, AND SMOOTH.
16. ALL MATERIAL IS NEW UNLESS NOTED OTHERWISE.
17. PROVIDE ALL FASTENERS AND CONNECTIONS (WHETHER INDICATED OR NOT) NECESSARY TO ASSEMBLE THE WORK.
18. PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, SINKS, WALL BRACKETS AND WALL–HUNG ITEMS.
19. PREPARE SURFACE AND REMOVE SURFACE FINISHES TO PROVIDE FOR PROPER INSTALLATION ON NEW WORK AND FINISHES. COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
20. REPAIR, PATCH, OR REPLACE PORTIONS OF WORK THAT ARE DAMAGED, LIFTED, DISCOLORED, OR SHOWING OTHER IMPERFECTIONS.
21. PENETRATIONS OF RATED ASSEMBLIES SHALL BE SEALED WITH AN APPROVED MATERIAL AS APPROVED BY THE JURISDICTION.
22. CONSTRUCTION ACTIVITIES SHALL NOT AFFECT THE OWNER'S OPERATIONS. LOUD ACTIVITIES (JACK–HAMMERING, SAW–CUTTING, ETC.) AND ANY WORK REQUIRING INTERRUPTIONS OF UTILITIES (WATER, ELECTRICITY, GAS, FIRE SPRINKLERS/ALARM, SEWER, ETC.) SHALL BE PERFORMED DURING NON–BUSINESS HOURS AS APPROVED BY THE OWNER. ENSURE UNINTERRUPTED SECURITY AND PHONE SYSTEMS OPERATION.
23. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY AND SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNS, REFLECTORS, LIGHTS, ETC. TO PROPERLY IDENTIFY AREAS CLOSED TO THE PUBLIC AND FOR PROVIDING SAFETY ALERTS DURING CONSTRUCTION.

ABBREVIATIONS:

ARCHITECTURAL ABBREVIATIONS ARE APPLICABLE TO ARCHITECTURAL DRAWINGS ONLY.
REFERENCE OTHER CONSULTANT DOCUMENTS FOR ADDITIONAL OR DIFFERING ABBREVIATIONS.

ACOUS	ACOUSTICAL	MFR	MANUFACTURER
ADJ	ADJUSTABLE, ADJACENT	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR (SLAB)	MIN	MINIMUM
		MIP	METAL INSULATED PANEL
ALUM	ALUMINUM	MISC	MISCELLANEOUS
ANOD	ANODIZED	MO	MASONRY OPENING
APPROX	APPROXIMATE	MR	MOISTURE RESISTANT
BD	BOARD	MULL	MULLION
BFF	BELOW FINISHED FLOOR (SLAB)	MTD	MOUNTED
		MTG	MOUNTING
BLDG	BUILDING	MTL	METAL
BLK	BLOCK	NIC	NOT IN CONTRACT
BLK'G	BLOCKING	NOM	NOMINAL
BM	BEAM	NTS	NOT TO SCALE
BOT	BOTTOM	OA	OVERALL
BTWN	BETWEEN	OC	ON CENTER
CB	CATCH BASIN	OD	OVERFLOW DRAIN
CG	CORNER GUARD	OH	OVERHEAD
CI	CAST IRON	OP'G	OPENING
CIP	CAST IN PLACE	OPP	OPPOSITE
CL	CENTER LINE	O TO O	OUT TO OUT
CLR	CLEAR	PTN	PARTITION
CLG	CEILING	PERP	PERPENDICULAR
CMU	CONCRETE MASONRY UNIT	PL	PLATE, PROPERTY LINE
COL	COLUMN	PLASLAM	PLASTIC LAMINATE
CONC	CONCRETE	PLYWD	PLYWOOD
CONT	CONTINUOUS	PLBG	PLUMBING
CONSTR	CONSTRUCTION	PNL	PANEL, PANELING
CONTR	CONTRACTOR	PR	PAIR
CT	CERAMIC TILE	PROJ	PROJECT
DBL	DOUBLE	PRV	PRESSURE REDUCING VALVE
DIM	DIMENSION	PT	PRESSURE TREATED
DTL	DETAIL	QT	QUARRY TILE
DF	DRINKING FOUNTAIN	QTR	QUARTER
DS	DOWNSPOUT	R	RADIUS
DWG	DRAWING	RC	REFRIGERATION CONTRACTOR
EA	EACH	RCP	REFLECTED CEILING PLAN
EFS	EXTERIOR FINISH SYSTEM	RD	ROOF DRAIN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	RL	RAIN LEADER
		REC'D	RECEIVED
ELEV	ELEVATION	REFRIG	REFRIGERATION
ELEC	ELECTRICAL	REINF	REINFORCING
ENCL	ENCLOSURE	REQ'D	REQUIRED
EQ	EQUAL	RO	ROUGH OPENING
EWC	ELECTRICAL WATER CLOSET	SCHED	SCHEDULE
EXH	EXHAUST	SC	SOLID CORE
EXIST	EXISTING	SHT	SHEET
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SIO	SUPPLIED AND INSTALLED BY OWNER
FD	FLOOR DRAIN		
FDN	FOUNDATION	SIV	SUPPLIED AND INSTALLED BY VENDOR
FF	FACTORY FINISH		
FHS	FLAT HEAD SCREW	SOIC	SUPPLIED BY OWNER INSTALLED BY CONTRACTOR
FL	FLOOR		
FIO	FURNISHED AND INSTALLED BY OWNER	SOIV	SUPPLIED BY OWNER INSTALLED BY VENDOR
FIN	FINISH	SQ	SQUARE
FRPP	FIBER REINFORCED PLASTIC PANEL(S)	SS	SERVICE SINK, SANITARY SEWER
FRT	FIRE RETARDANT TREATED	SST	STAINLESS STEEL
FTG	FOOTING	STD	STANDARD
GA	GAUGE	STL	STEEL
GALV	GALVANIZED	STRUCT	STRUCTURE, STRUCTURAL
GC	GENERAL CONTRACTOR	SUSP	SUSPENDED
GWB	GYPSUM WALLBOARD, GYPSUM	SYS	SYSTEM
		T	TREAD, TOP
HB	HOSE BIBB	TOJ	TOP OF JOIST
HC	HANDICAPPED	TOM	TOP OF MASONRY
HM	HOLLOW METAL	TOP	TOP OF PARAPET
HORIZ	HORIZONTAL	TOS	TOP OF STEEL
HP	HIGH POINT	TOW	TOP OF WALL
HT	HEIGHT	T&B	TOP AND BOTTOM
HTR	HEATER	TEL	TELEPHONE
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	TEMP	TEMPERED GLASS
		TYP	TYPICAL
IBC	INTERNATIONAL BUILDING CODE	UTIL	UTILITY
		UBC	UNIFORM BUILDING CODE
INSUL	INSULATION	UNO	UNLESS NOTED OTHERWISE
INT	INTERIOR	VCT	VINYL COMPOSITION TILE
JT/JTS	JOINT, JOINTS	VERT	VERTICAL
L	LONG, LENGTH	VIF	VERIFY IN FIELD
LAM	LAMINATE, LAMINATED	W/	WITH
LF	LINEAR FOOT	W/O	WITHOUT
LP	LOW POINT	WD	WOOD
LT FIXT	LIGHTING FIXTURE	WDW	WINDOW
LTWT	LIGHT WEIGHT	WHS	WELDED HEAD STUD
LIQ	LIQUID	WP	WATERPROOF
MAS	MASONRY	WR	WATER RESISTANT
MAX	MAXIMUM	WT	WEIGHT
MBS	METAL BUILDING SUPPLIER	WWF	WELDED WIRE FABRIC
MECH	MECHANICAL	YD	YARD DRAIN
MFG	MANUFACTURING		

Walgreens

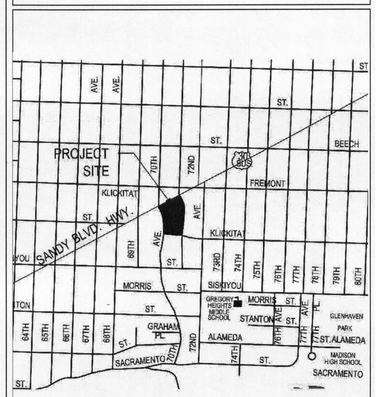
NEW STORE
NE SANDY BLVD. & NE 70TH AVE.
PORTLAND, OR
STORE # 16251
CONSTRUCTION SET

PROJECT INFORMATION

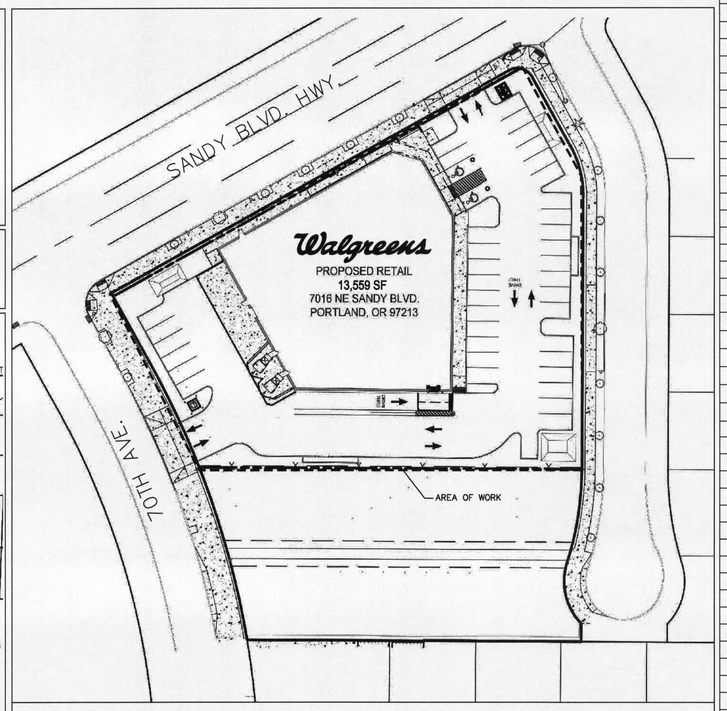
ZONING:	COMMERCIAL GC
APPLICABLE CODES:	2010 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
	2010 OREGON MECHANICAL SPECIALTY CODE (OMSC)
	2011 OREGON PLUMBING SPECIALTY CODE (OPSC)
	2011 OREGON ELECTRICAL SPECIALTY CODE (OESP)
	2010 OREGON FIRE CODE (OFC)
OCCUPANCY TYPE:	M
CONSTRUCTION TYPE:	V–B, SPRINKLERED

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF A NEW RETAIL SHELL AND TENANT IMPROVEMENTS FOR A RETAIL DRUG STORE.



1 LOCATION PLAN
N.T.S.



2 SITE PLAN
N.T.S.

SYMBOLS

DETAIL
3 / A701 — DETAIL IDENTIFICATION; CUT LINE - DEFINES THE DETAILED ELEMENT; SHEET WHERE DRAWN

WALL SECTION
20 / A701 — DETAIL IDENTIFICATION; CUT LINE - DEFINES THE DETAILED ELEMENT; SHEET WHERE DRAWN

BUILDING SECTION
1 / G302 — DETAIL IDENTIFICATION; SHEET WHERE DRAWN

EXTERIOR ELEVATION
1 / A301 — DETAIL IDENTIFICATION; SHEET WHERE DRAWN

INTERIOR ELEVATION
5 / A503 / 6 / 7 — DETAIL IDENTIFICATION; SHEET WHERE DRAWN

NORTH ARROW — PROJECT NORTH INDICATOR; TRUE NORTH INDICATOR

DOOR MARK — 1 — DOOR NUMBER - REFER TO SCHEDULE

WINDOW, RELITE OR LOUVER MARK — 14 — WINDOW NUMBER - REFER TO SCHEDULE

EQUIPMENT MARK — 011 — EQUIPMENT NUMBER - REFER TO SCHEDULE

ROOM MARK — ROOM 100 — ROOM NAME; ROOM NUMBER

COLUMN GRIDS — 2 / B

REVISION CLOUD AND DELTA — 2

WORK, CONTROL OR DATUM POINT — 50'-0" AFF

SLOPE DIRECTION WITH DATUM MARK — SLOPE DOWN 1/8" PER FOOT

SPRINKLER MAIN

PROPERTY LINE

FENCE

BREAKLINE

ITEM SIO OR NIC

ITEM SOIC OR SIC

NEW CONSTRUCTION - SHOWN SOLID

EXISTING CONSTRUCTION TO REMAIN - SHOWN LIGHT BACKGROUND

EXISTING CONSTRUCTION TO BE REMOVED

MATERIALS
- ACOUSTICAL TILE
- ALUMINUM
- CMU OR BRICK
- CONCRETE
- EARTH
- EIFS
- FINISHED WOOD
- GRAVEL
- GYPSUM BOARD / FRPP IN ELEVATIONS
- INSULATION - BATT
- INSULATION - RIGID
- INSULATION - SOUND
- PLYWOOD
- STEEL
- WOOD BLOCKING
- WOOD MEMBER

REFLECTED CEILING
- SUSPENDED CEILING GRID SYSTEM W/ LAY IN PANELS - 4'X 2' UNO
- SHADED AREA DENOTES METAL SECURITY DECK ABOVE
- SPRINKLER DROP
- DROP CORD (SEE ELEC)
- AIR HOSE
- WATER DROP
- EXHAUST VENT OR RETURN AIR GRILLE
- HVAC DIFFUSER
- FLUORESCENT LIGHTING FIXTURE
- FLUORESCENT LIGHTING FIXTURE
- INCANDESCENT OR HID LIGHTING FIXTURES

WALL TYPES
- MASONRY. REFERENCE WALL SECTIONS FOR TYPES.
- CONCRETE WALL

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

DRAWING INDEX

⊕ ISSUED AS AFFECTED BY BULLETIN BUT NOT PART OF BULLETIN
○ FOR REFERENCE AND COORDINATION ONLY
● ISSUED

03.30.15 PERMIT RESUBMITTAL	01.12.15 – CONSTRUCTION	11.14.14 / BID	08.24.14 / PERMIT	SHEET NUMBER	SHEET TITLE
	●	●	●	G–010	TITLE SHEET & LOCATION PLAN
	●	●	●	G–011	ACCESSIBILITY DETAILS
	●	●	●	G–101	EGRESS FLOOR PLANS
					CIVIL
	●	●	●		SEE CIVIL DRAWINGS SHEET INDEX
					ARCHITECTURAL
	●	●	●	D–111	FIRST FLOOR FIXTURE PLAN
	●	●	●	A–111	FIRST FLOOR PLAN
	●	●	●	A–112	SIDEWALK PLAN
	●	●	●	A–121	FIRST FLOOR REFLECTED CEILING PLAN
	●	●	●	A–131	ROOF PLAN & DETAILS
	●	●	●	A–210	EXTERIOR ELEVATIONS
		●	●	A–310	EXTERIOR WALL SECTIONS
		●	●	A–311	EXTERIOR WALL SECTIONS
		●	●	A–420	STANDARD DETAILS
	●	●	●	A–510	EXTERIOR WALL DETAILS
	●	●	●	A–511	EXTERIOR WALL DETAILS
		●	●	A–512	EXTERIOR WALL DETAILS
		●	●	A–520	ROOF DETAILS
		●	●	A–530	EXTERIOR DETAILS
	●	●	●	A–610	DOOR SCHEDULE & ENTRY DETAILS
		●	●	A–710	DRIVE–THRU SERVICE WINDOW DETAILS
		●	●	A–720	FREESTANDING SIGN DATA
		●	●	A–730	EXTERIOR SIGN DATA
					INTERIOR
	●	●	●	I–111	FIRST FLOOR FINISH PLAN
	●	●	●	I–211	INTERIOR ELEVATIONS
		●	●	I–221	INTERIOR ELEVATIONS & SECTIONS
		●	●	I–231	INTERIOR CEILING SECTIONS & DETAILS
					STRUCTURAL
		●	●	S0.0	GENERAL NOTES
		●	●	S0.1	GENERAL NOTES
		●	●	S0.2	SATELLITE DISH ANTENNA SUPPORTS
	●	●	●	S1.0	FOUNDATION PLAN
	●	●	●	S2.0	FOUNDATION DETAILS
	●	●	●	S3.0	ROOF FRAMING PLAN
		●	●	S4.0	FRAMING DETAILS
		●	●	S4.1	FRAMING DETAILS
		●	●	S4.2	FRAMING DETAILS
					MECHANICAL
	●	●	●	M–111	FLOOR PLAN – MECHANICAL
		●	●	M–112	FLOOR PLAN – MECHANICAL
		●	●	M–510	MECHANICAL DETAILS
		●	●	M–520	WALK–IN COOLER & FREEZER REFRIGERATION DETAILS
		●	●	M–610	EQUIPMENT SCHEDULES
		●	●	M–620	HVAC CONTROL CONCEPT OF OPERATION
					PLUMBING
	●	●	●	P–111	FLOOR PLAN – PLUMBING
		●	●	P–610	PLUMBING DETAILS & SCHEDULES
					ELECTRICAL
		●	●	E–100	SITE ELECTRICAL PLAN & LED READERBOARD DETAILS
		●	●	E–101	SITE PHOTOMETRIC CALCULATIONS & DETAILS
	●	●	●	E–111	FLOOR PLAN – POWER
	●	●	●	E–121	FLOOR PLAN – LIGHTING
	●	●	●	E–131	FLOOR PLAN – ETHERNET SYSTEM
		●	●	E–141	FLOOR PLAN – BURGLAR ALARM & CCTV SYSTEMS
		●	●	E–151	FLOOR PLAN – TELEPHONE & SOUND SYSTEMS
		●	●	E–161	FLOOR PLAN – FIRE ALARM SYSTEM
	●	●	●	E–510	FEEDER DIAGRAM & ELECTRICAL DETAILS
	●	●	●	E–520	LUMINAIRE SCHEDULE & DETAILS
		●	●	E–530	SATELLITE SYSTEM DETAILS
	●	●	●	E–540	ELECTRICAL DETAILS – PHARMACY
	●	●	●	E–550	ELECTRICAL DETAILS
		●	●	E–610	CONTROL SCHEDULES
		●	●	E–620	SIEMENS CONTROL DIAGRAM
	●	●	●	E–630	ELECTRICAL PANEL SCHEDULES WITH WALL HEATERS
		●	●	E–640	WALK–IN COOLER & FREEZER
		●	●	E–650	AIR CURTAIN WIRING DIAGRAMS
					FIRE
	●	●	●	F–111	FLOOR PLAN EVACUATION MAP
	●	●	●	F–121	FLOOR PLAN FIRE PROTECTION
	●	●	●	F–510	FIRE PROTECTION DETAILS, NOTES, & SPECIFICATIONS
					REFRIGERATION
	●	●	●	R–100	REFRIGERATION DESIGNATION PLAN AND DETAILS
	●	●	●	R–101	REFRIGERATION DESIGNATION PLAN AND DETAILS
		●	●	R–200	REFRIGERATION SCHEDULE AND DETAILS
	●	●	●	R–300	REFRIGERATION SPECIFICATIONS
	●	●	●	R–301	REFRIGERATION SPECIFICATIONS

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

REGISTERED ARCHITECT • CAROLYN G. JONES • 6111 • STATE OF OREGON • SEATTLE, WA •

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500 | BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	REVISIONS
1	08.15.14	MB	PERMIT SUBMITTAL
2	10.24.14	SF	WALGREENS REDLINE REVISIONS
3	12.9.14	SF	PERMIT PLAN CHECK REVISIONS
4		CD	BID SUBMITTAL
5	11.14.14	CD	CONSTRUCTION SUBMITTAL
6	01.12.15	CD	PERMIT RESUBMITTAL
7	03.30.15	CD	

TITLE SHEET & LOCATION PLAN

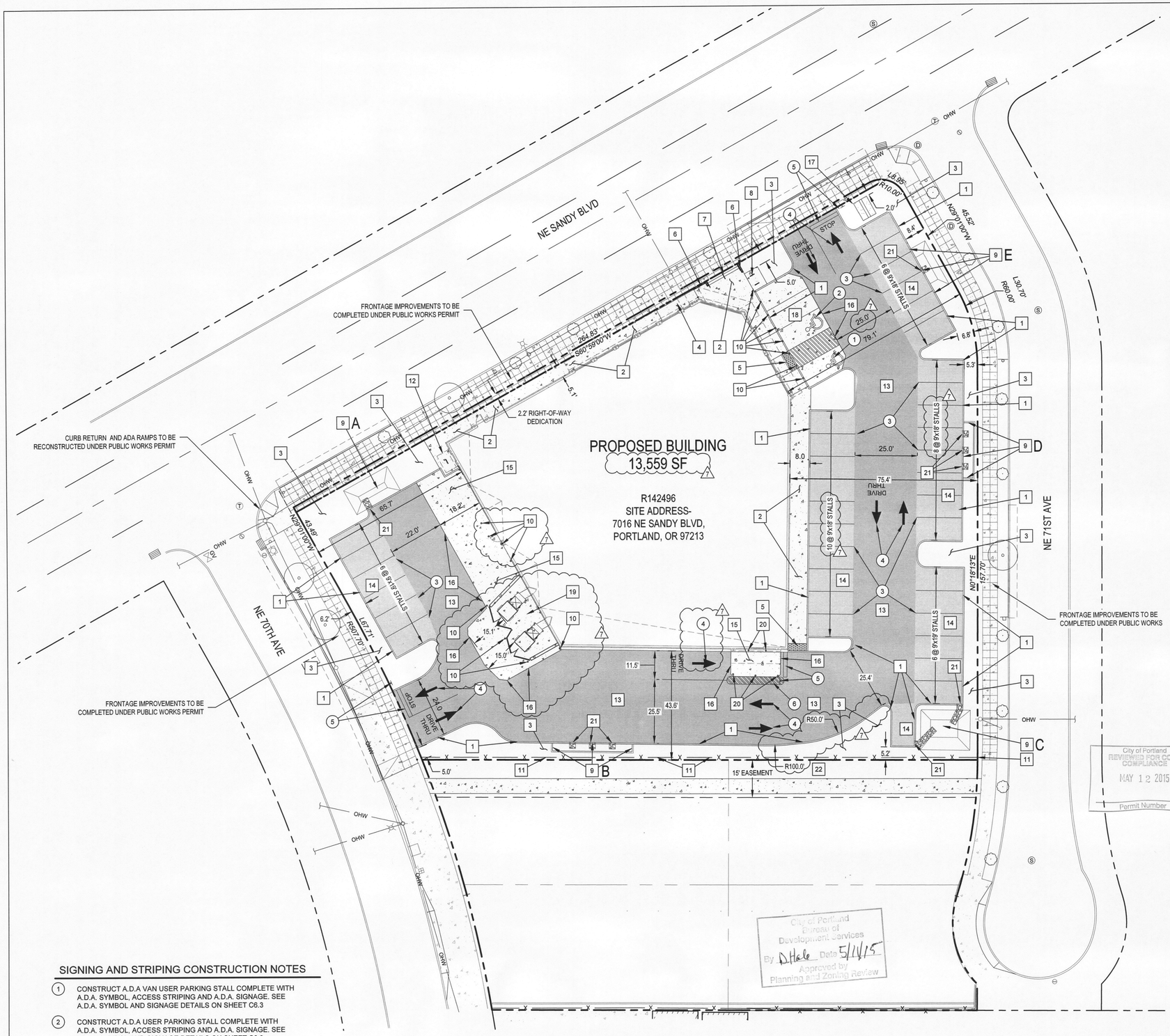
PROJECT ID: 14-0152.01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: M. BARBAJOS FLODIN
DATE: 12.24.14
REVIEWED BY: C. DOVE-FISHER

G-010

W-2015 Rev 1 AGO
W-2015 Rev 2 AGO

COPYRIGHT © 2012 WALGREEN CO. ALL RIGHTS RESERVED



PLANNING SITE INFORMATION

SITE AREA	44,641 SF
BUILDING AREA	13,559 SF

SITE PARKING-

ADA STALLS	2
STANDARD (9'x19'/9'x18')	39
TOTAL	41

RESIDENTIAL ZONE-

SITE AREA	20,280 SF

LANDSCAPE AREA-

OVERALL REQUIRED (15%)	6,696 SF
OVERALL PROVIDED (16.9%)	7,331 SF
LANDSCAPE	6,025 SF
HARDSCAPE	1,306 SF
INTERIOR LANDSCAPE REQUIRED	1,845 SF
INTERIOR LANDSCAPE PROVIDED	1,855 SF

LEGEND

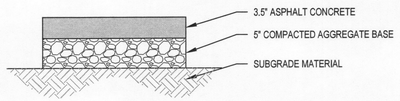
- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING CURB LINE
- EXISTING CONCRETE LINE
- EXISTING CONCRETE HATCH
- PROPOSED RIGHT-OF-WAY DEDICATION
- PROPOSED CURB LINE
- PROPOSED WALL LINE
- PROPOSED PARKING STALL
- PROPOSED ADA STALL
- PROPOSED CONCRETE LINE
- PROPOSED FENCE
- PROPOSED BOLLARD
- PROPOSED BIKE STALL
- PROPOSED CONCRETE HATCH
- PROPOSED HEAVY ASHPALT
- PROPOSED LIGHT ASPHALT

SITE CONSTRUCTION NOTES

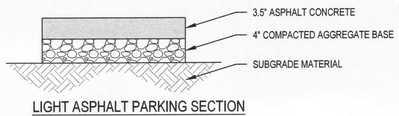
1. INSTALL STANDARD 6" EXPOSURE CONCRETE CURB. REFER TO DETAIL ON SHEET C6.2 .
2. INSTALL STANDARD CONCRETE SIDEWALK. REFER TO SIDEWALK SECTION DETAIL ON SHEET C6.2. SEE ARCHITECTURAL PLANS FOR SCORING PATTERN.
3. LANDSCAPE AREA. REFER TO LANDSCAPE PLANS FOR PLANT AND TREE PLACEMENT.
4. CONSTRUCT ACCESS SIDEWALK WITH TALL CURB WALL. SEE GRADING PLAN FOR ELEVATIONS. SEE DETAIL ON SHEET C6.2.
5. CONSTRUCT ADA RAMP. SEE GRADING PLAN FOR GRADES. SEE STANDARD DETAIL ON SHEET C6.3.
6. CONSTRUCT TALL CURB WALL. SEE GRADING PLAN FOR GRADES. SEE STANDARD DETAIL ON SHEET C6.2.
7. CONSTRUCT 2 STAIRS WITH TREADS AT 1% SLOPE. INSTALL HANDRAIL ON EACH SIDE OF STAIRS TO MEET ADA GUIDELINES AND CITY OF PORTLAND BUILDING REQUIREMENTS. SEE GRADING PLAN FOR ELEVATIONS. SEE STAIR AND HANDRAIL DETAIL ON SHEET C6.0.
8. CONSTRUCT BICYCLE PARKING PAD AND INSTALL 2 BICYCLE PARKING LOOP RACKS. SEE DETAILS ON SHEET C6.2.
9. CONSTRUCT STORMWATER PLANTER BASIN AND STORMWATER PLANTER TALL CURB. SEE PLAN FOR PLANTER NAME. SEE GRADING PLAN FOR ELEVATIONS AND STORM PLAN. SEE DETAILS ON SHEET C6.1.
10. INSTALL PROTECTIVE BOLLARD. SEE BOLLARD DETAIL ON SHEET C6.2.
11. INSTALL 8' TALL CEDAR FENCE. SEE DETAILS ON SHEET C6.2.
12. CONSTRUCT LONG TERM BICYCLE PARKING PAD AND INSTALL 1 BICYCLE PARKING LOOP RACK. SEE DETAILS ON SHEET C6.2. SEE BUILDING PLANS FOR CANOPY COVER AND SECURITY CAMERA.
13. CONSTRUCT HEAVY ASPHALT CONCRETE SECTION. SEE PLAN FOR SECTION DETAIL.
14. CONSTRUCT LIGHT ASPHALT CONCRETE SECTION. SEE PLAN FOR SECTION DETAIL.
15. CONSTRUCT HEAVY CONCRETE SECTION. SEE PLAN FOR SECTION DETAIL.
16. CONSTRUCT IMPACT SLAB. SEE IMPACT SLAB DETAIL ON SHEET C6.0.
17. CONSTRUCT READER BOARD SIGN. REFER TO ARCHITECTURAL PLANS FOR SIGN FOUNDATION AND SIGN DETAILS.
18. CONSTRUCT HEAVY CONCRETE SECTION SECTION WITH BLACK COLOR. SEE PLAN FOR SECTION.
19. CONSTRUCT COMPACTOR SLAB AND SCREEN FENCE. SEE COMPACTOR DETAILS ON SHEET C6.4.
20. INSTALL 36" STALL SURFACE MOUNTED FLEXIBLE DELINEATOR BY "FLEXSTAKE". SECURE DELINEATOR TO CONCRETE WITH BOLTS. NO ADHESIVE FASTENING.
21. INSTALL CURB CUT AND RIPRAP PROTECTION AT STORMWATER FACILITY. SEE DETAIL ON SHEET C6.0
22. CONSTRUCT STORMWATER FILTER STRIP. SEE DETAIL ON SHEET C6.1.

SIGNING AND STRIPING CONSTRUCTION NOTES

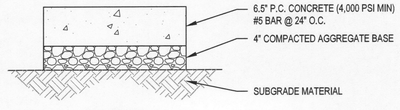
1. CONSTRUCT A.D.A VAN USER PARKING STALL COMPLETE WITH A.D.A. SYMBOL, ACCESS STRIPING AND A.D.A. SIGNAGE. SEE A.D.A. SYMBOL AND SIGNAGE DETAILS ON SHEET C6.3
2. CONSTRUCT A.D.A USER PARKING STALL COMPLETE WITH A.D.A. SYMBOL, ACCESS STRIPING AND A.D.A. SIGNAGE. SEE A.D.A. SYMBOL AND SIGNAGE DETAILS ON SHEET C6.3.
3. STRIPE SINGLE 4" YELLOW PARKING STALL. PROVIDE TWO (2) COATS OF PAINT.
4. INSTALL TYPICAL DIRECTIONAL TRAFFIC ARROW AND PROVIDE TWO (2) COATS OF PAINT. SEE DETAIL ON SHEET C6.2.
5. INSTALL STOP SIGN AND 12" YELLOW STOP BAR LINE. PROVIDE TWO COATS OF PAINT FOR STRIPING. SEE STOP SIGN AND STOP BAR DETAILS ON SHEET C6.2.
6. STRIPE 4" YELLOW STRIPE OUT AREA AT 34° 2' O.C. PROVIDE TWO (2) COATS OF PAINT.



HEAVY ASPHALT PARKING SECTION
REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND COMPACTION REQUIREMENTS



LIGHT ASPHALT PARKING SECTION
REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND COMPACTION REQUIREMENTS



HEAVY CONCRETE SECTION
REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND COMPACTION REQUIREMENTS

SCALE: 1"=20'
20 10 0 20

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

REGISTERED PROFESSIONAL ENGINEER
80059PE
OREGON
DECEMBER 31, 2015
JEFFREY R. SHOEMAKER
EXPIRES: 06/30/2016

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

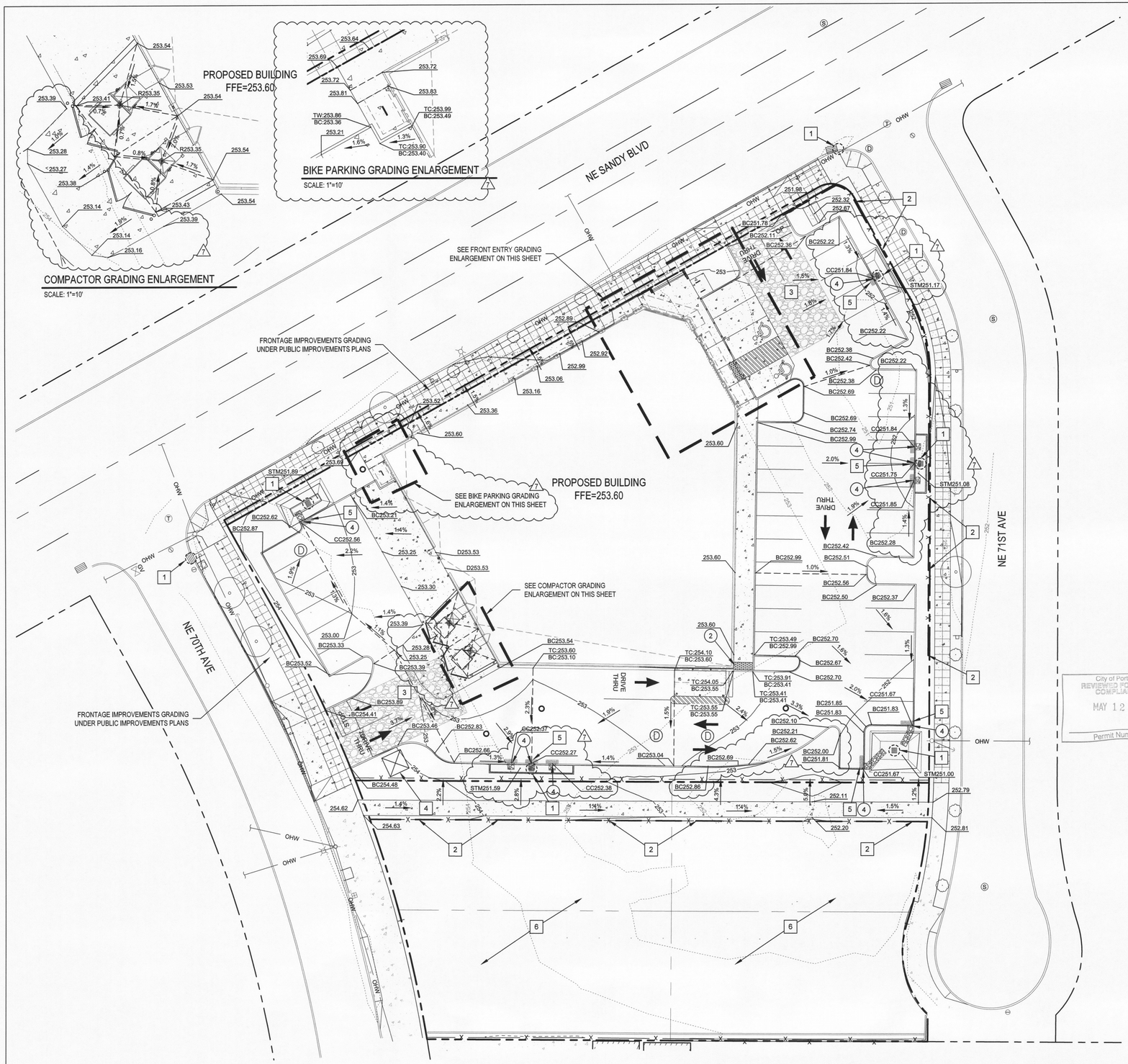
NO.	DATE	BY	DESCRIPTION
REVISIONS			
A5	4.13.2015	JRS	PROS
A4	3.20.2015	JRS	ASI 03
A3	3.15.2015	JRS	PERMIT RESUBMITTAL
A2	3.11.2015	JRS	PRO2
	01.12.15	JRS	CONSTRUCTION SUBMITTAL
	11.14.14	JRS	ISSUE FOR BID

SITE PLAN

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: DJM/BCF
DATE: 10.24.14
REVIEWED: J. SHOEMAKER

C3.0



COMPACTOR GRADING ENLARGEMENT

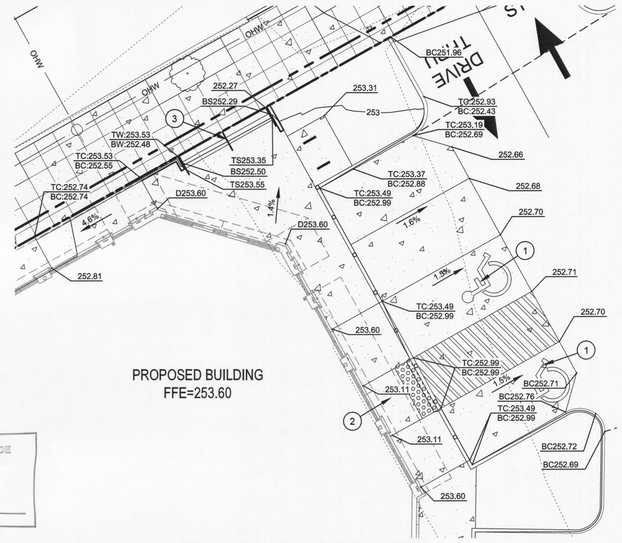
SCALE: 1"=10'

BIKE PARKING GRADING ENLARGEMENT

SCALE: 1"=10'

LEGEND

- EXISTING BOUNDARY LINE
- EXISTING RIGHT-OF-WAY LINE
- 132 - EXISTING MINOR CONTOUR
- 130 - EXISTING MAJOR CONTOUR
- 131 - PROPOSED MINOR CONTOUR
- 130 - PROPOSED MAJOR CONTOUR
- TW:132.50 / BW:128.50 - PROPOSED TOP OF WALL, BOTTOM OF WALL
- TC:129.00 / BC:128.50 - PROPOSED TOP OF CURB, BOTTOM OF CURB
- 130.50 - PROPOSED SPOT SHOT
- R:130.50 - PROPOSED RIM SHOT
- D:130.50 - PROPOSED DOOR ELEVATION
- STM130.50 - STORMWATER PLANTER TOP OF FG MEDIUM
- PROPOSED CATCH BASIN
- PROPOSED INLET PROTECTION
- PROPOSED SEDIMENT FENCE PROTECTION
- PROPOSED BIOFILTER BAG PROTECTION
- PROPOSED GRAVEL CONSTRUCTION ENTRANCE



FRONT ENTRY GRADING ENLARGEMENT

SCALE: 1"=10'

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

GRADING CONSTRUCTION NOTES

1. ALL ADA STALLS AND AREAS TO BE GRADES AT 2% MAX IN ALL DIRECTIONS.
2. CONTRACTOR TO ENSURE ADA RAMP MEETS ALL ADA GRADING REQUIREMENTS AND CONVEYS DRAINAGE AWAY FROM RAMP. ENSURE PONDING DOES NOT OCCUR AT BOTTOM OF RAMP.
3. CONSTRUCT 2 STEP STAIRS. SEE PLAN FOR ELEVATIONS.
4. CONTRACTOR TO ENSURE PONDING DOES NOT OCCUR AT CURB CUT AND ASPHALT PAVING CONNECTION FOR SITE DRAINAGE.

EROSION CONTROL CONSTRUCTION NOTES

1. INSTALL WOVEN INLET PROTECTION ON AREA DRAIN INLET. INSPECT, CLEAN AND MAINTAIN THROUGHOUT CONSTRUCTION TO PREVENT SEDIMENT LADEN WATER FROM ENTERING THE STORM SYSTEM. SEE INLET PROTECTION DETAIL ON SHEET C6.5.
2. INSTALL SEDIMENT FENCE. MAINTAIN SEDIMENT FENCE PER NOTES ON SHEET C6.5 AND SEDIMENT FENCE DETAIL ON SHEET C6.5 TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE.
3. INSTALL GRAVEL CONSTRUCTION ENTRANCE. INSPECT, CLEAN AND MAINTAIN GRAVEL ENTRANCE THROUGHOUT CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE SITE. SEE DETAIL ON SHEET C6.5.
4. PROVIDE 8'x8' (3 CY MINIMUM CAPACITY) CONCRETE TRUCK WASHOUT AREA. LOCATION MAY VARY DUE TO CONSTRUCTION. CONTRACTOR TO CLEAN OUT AREA AS NECESSARY TO MAINTAIN CAPACITY. DO NOT DISPOSE OF WASHOUT WATER/MATERIAL INTO STORM DRAINS, SURFACE WATERS, OR INTO DEWATERING AREA. SEE CONCRETE WASHOUT DETAIL ON SHEET C6.5.
5. INSTALL BIOBAG SEDIMENT PROTECTION CURB CUT. ENSURE THAT NO GAPS EXIST BETWEEN BIOBAGS. OVERLAP BAG BY 1/4 AT CURB CUT OPENING. SEE CURB CUT BIOBAG PROTECTION DETAIL ON SHEET C6.5.
6. INSTALL PERMANENT ESC SEEDING PER NOTES ON C6.5.

SCALE: 1"=20'

20 10 0 20

GRADING AND EROSION CONTROL NOTES

POSITIVE DRAINAGE TO BE MAINTAINED AWAY FROM BUILDINGS AT ALL TIMES.

ALL PROPOSED GRADES TO MATCH INTO EXISTING GRADES ON SURROUNDING STREETS, PROPERTIES, AND SENSITIVE AREAS.

INSTALL INLET SEDIMENT PROTECTION ON ALL EXISTING AND NEW INLETS WHEN INSTALLED. INLET SEDIMENT PROTECTION TO BE MAINTAINED FOR THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

SEDIMENT FENCE TO BE PLACED AND MAINTAINED DURING ALL CONSTRUCTION ACTIVITIES TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE.

ALL ADDITIONAL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD. ALL FACILITIES TO BE UPGRADES AS NEEDED FOR STORM EVENTS.

ALL EROSION AND SEDIMENT CONTROL FACILITIES WILL BE CONSTRUCTED PRIOR TO ANY CLEARING AND GRADING ACTIVITIES.

EXISTING TREES TO BE PROTECTED OR RETAINED SHALL BE FENCED AROUND THE DRIP LINE WITH CHAIN LINK OR OTHER STURDY FENCING DURING CONSTRUCTION.

ALL CURBS ARE TO BE 6" EXPOSURE UNLESS OTHERWISE NOTED.

TOP OF WALL AND BOTTOM OF WALL GRADES PROVIDED ARE TO FINISH GRADE SURFACE. SEE WALL PLANS FOR PROFILE. SEE STRUCTURAL PLANS FOR FOOTING EMBEDMENT REQUIREMENTS AND WALL SECTION.

GENERAL ADA NOTES FOR GRADING

ALL HANDICAPPED PARKING SPACES AND ACCESS AISLES ADJACENT TO THE HANDICAP PARKING SPACES SHALL HAVE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS (THIS INCLUDES RUNNING SLOPE AND CROSS SLOPE).

AN ACCESSIBLE ROUTE FROM THE PUBLIC STREET OR SIDEWALK TO THE STORE ENTRANCE MUST BE PROVIDED . THIS ACCESSIBLE ROUTE SHALL BE A MINIMUM OF 60' WIDE. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%.

SLOPES EXCEEDING 5% BUT LESS THAN 8% WILL REQUIRE A RAMP AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, LANDINGS). NO RAMP SHALL EXCEED AN 8% RUNNING SLOPE OR 2% CROSS SLOPE.

IN THE CASE THAT A NEW SIDEWALK WILL BE CONSTRUCTED IN THE R/W OF A SITE, THE RUNNING SLOPE OF THE SIDEWALK SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%. THIS STANDARD APPLIES TO CROSSWALKS IN THE DRIVEWAY AS WELL AND WILL REQUIRE SPECIAL ATTENTION DURING STAKING TO MAKE SURE THE 2% CROSS SLOPE IS MET IN THE CROSSWALK.

IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES, ACCESSIBLE ROUTES, AND SIDEWALKS/CROSSWALKS ARE BUILT CORRECTLY.

ANY REQUIREMENTS LISTED ABOVE THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT AT THE CONTRACTORS COST

Otak
FACILITIES PLANNING
DESIGN AND ENGINEERING
17355 NW AMBERWOOD DR
DEERFIELD, IL 60015-5105

REGISTERED PROFESSIONAL ENGINEER
80059PE
OREGON
DECEMBER 31, 2015
JEFFREY R. SHOEMAKER

EXPIRES: 06/30/2016

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

NO.	DATE	DESCRIPTION	BY
	PRDS		
	ASI 03		
4.13.2015	3.20.2015	PERMIT RESUBMITTAL	JRS
3.20.2015	3.15.2015	CONSTRUCTION SUBMITTAL	JRS
	01.12.15	ISSUE FOR BID	JRS
	11.14.14		JRS
	10.24.14	WALGREENS REDLINE REVISIONS	SF
	10.24.14	DESCRIPTION	BY

REVISIONS

GRADING & EROSION CONTROL PLAN

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

WALGREENS

NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

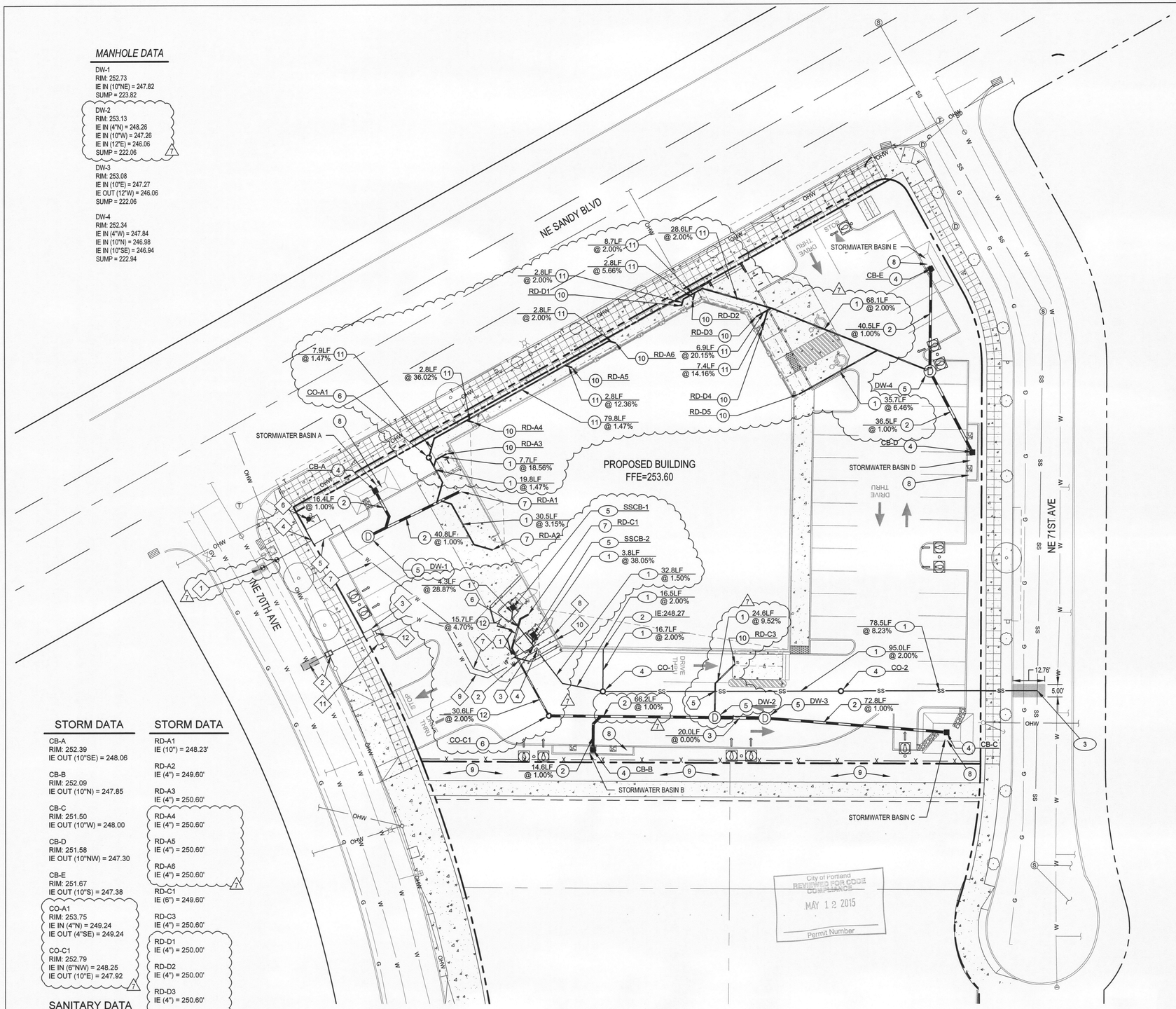
FILE NAME:

DRAWN BY: DJM/BCF

DATE: 10.24.14

REVIEWED: J. SHOEMAKER

C4.0



MANHOLE DATA

DW-1
RIM: 252.73
IE IN (10"NE) = 247.82
SUMP = 223.82

DW-2
RIM: 253.13
IE IN (4"N) = 248.26
IE IN (10"W) = 247.26
IE IN (12"E) = 246.06
SUMP = 222.06

DW-3
RIM: 253.08
IE IN (10"E) = 247.27
IE OUT (12"W) = 246.06
SUMP = 222.06

DW-4
RIM: 252.34
IE IN (4"W) = 247.84
IE IN (10"N) = 246.98
IE IN (10"SE) = 246.94
SUMP = 222.94

STORM DATA

CB-A
RIM: 252.39
IE OUT (10"SE) = 248.06

CB-B
RIM: 252.09
IE OUT (10"N) = 247.85

CB-C
RIM: 251.50
IE OUT (10"W) = 248.00

CB-D
RIM: 251.58
IE OUT (10"NW) = 247.30

CB-E
RIM: 251.67
IE OUT (10"S) = 247.38

CO-A1
RIM: 253.75
IE IN (4"N) = 249.24
IE OUT (4"SE) = 249.24

CO-C1
RIM: 252.79
IE IN (6"NW) = 248.25
IE OUT (10"E) = 247.92

STORM DATA

RD-A1
IE (10") = 248.23'

RD-A2
IE (4") = 249.60'

RD-A3
IE (4") = 250.60'

RD-A4
IE (4") = 250.60'

RD-A5
IE (4") = 250.60'

RD-A6
IE (4") = 250.60'

RD-C1
IE (6") = 249.60'

RD-C3
IE (4") = 250.60'

RD-D1
IE (4") = 250.00'

RD-D2
IE (4") = 250.00'

RD-D3
IE (4") = 250.60'

RD-D4
IE (4") = 250.60'

RD-D5
IE (4") = 250.60'

SANITARY DATA

CO-1
RIM = 252.78'
IE (4") = 247.94'

CO-2
RIM = 252.66'
IE (4") = 246.04'

SSCB-1
RIM = 253.35'
IE (4") = 250.00'

SSCB-2
RIM = 253.35'
IE (4") = 250.00'

LEGEND

- EXISTING PROPERTY LOT LINE
- EXISTING CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED STORM DRAIN PIPE
- EXISTING CATCH BASIN
- EXISTING CATCH BASIN - TRAPPED TYPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED FDC
- PROPOSED ATRIUM INLET
- PROPOSED SANITARY CLEANOUT
- PROPOSED 48" DIAMETER 20' DEEP STORM MANHOLE
- PROPOSED WATER VALVE
- PROPOSED DOMESTIC WATER METER
- PROPOSED DOMESTIC DOUBLE CHECK VALVE ASSEMBLY
- PROPOSED FIRE LINE DOUBLE CHECK VALVE ASSEMBLY

STORM UTILITY CONSTRUCTION NOTES

1. INSTALL 4" HDPE STORM LINE. SEE PLAN FOR LENGTH AND SLOPE.
2. INSTALL 10" HDPE STORM LINE. SEE PLAN FOR LENGTH AND SLOPE.
3. INSTALL 12" HDPE STORM LINE TO EQUALIZE DRY WELLS. SEE PLAN FOR LENGTH AND SLOPE.
4. INSTALL 24" ATRIUM INLET. SEE TABLE ON THIS SHEET FOR DATA. CONNECT STORM BASIN PERFORATED PIPE TO ATRIUM INLET. SEE SHEET C6.1 FOR ATRIUM INLET, STORMWATER PLANTER/BASIN, AND PERFORATED PIPE DETAILS.
5. INSTALL 48" DIAMETER 20' DEEP STORM DRYWELL MANHOLE. SEE TABLE ON THIS SHEET FOR DATA. SEE SHEET C6.0 FOR DRYWELL DETAIL.
6. INSTALL STORM CLEANOUT. SEE TABLE ON THIS SHEET FOR DATA. SEE SHEET C6.0 FOR CLEANOUT DETAIL.
7. STUB ROOF DRAIN 5' FROM BUILDING. SEE TABLE ON THIS SHEET FOR DATA. SEE PLUMBING PLANS FOR BUILDING LATERAL. CONFIRM LOCATION AND INVERT ELEVATION ON PLUMBING PLANS.
8. CONSTRUCT STORMWATER BASIN. SEE BASIN DETAIL ON SHEET C6.1 FOR CURB, GRADING, MEDIUM, ROCK, AND STORM DRAINAGE.
9. CONSTRUCT STORMWATER VEGETATED FILTER STRIP. SEE FILTER STRIP DETAIL ON SHEET C6.1.
10. STUB BUILDING CANOPY DRAIN. SEE TABLE ON THIS SHEET FOR DATA. CONTRACTOR TO CONFIRM LOCATION AND INVERT ELEVATION ON ARCHITECTURAL PLANS.
11. INSTALL 4" C-900 STORM LINE. SEE PLAN FOR LENGTH AND SLOPE.
12. INSTALL 6" HDPE STORM LINE. SEE PLAN FOR LENGTH AND SLOPE.

*ALL CATCH BASIN INLETS, CLEANOUT COVERS, AND MANHOLE LIDS ETC. IN PAVEMENT AREAS ARE TO BE PAINTED WITH BLACK DTM (DIRECT TO METAL) PAINT.

SANITARY UTILITY CONSTRUCTION NOTES

1. INSTALL 4" SANITARY LINE. SEE PLAN FOR LENGTH AND SLOPE.
2. STUB 4" BUILDING SANITARY CONNECTION. VERIFY BUILDING CONNECTION LOCATION AND INVERT PRIOR ON PLUMBING PLANS. SEE PLUMBING PLANS FOR CONTINUATION INSIDE BUILDING.
3. CONNECT TO EXISTING 8" PVC SANITARY SEWER LINE WITH 4" TEE CONNECTION. CONTRACTOR TO VERIFY INVERT ELEVATION.
   IE 8" MAIN = ±239.56
   IE 4" SERVICE LATERAL = 239.58'
   CONTRACTOR TO PROVIDE PATCHING PER REQUIREMENTS OF CITY OF PORTLAND.
4. INSTALL SANITARY CLEANOUT. SEE TABLE ON THIS SHEET FOR DATA. SEE CLEANOUT DETAIL ON SHEET C6.0.
5. INSTALL SANITARY CATCH BASIN WITH VENT AND PRIMER LINE. SEE TABLE ON THIS SHEET FOR DATA. SEE SANITARY SEWER CATCH BASIN AND VENT LINE DETAIL ON SHEET C6.0. SEE BUILDING PLUMBING PLANS FOR WATER PRIMER LINE.

UTILITY CROSSING CONSTRUCTION NOTES

1. WATER & STORM CROSSING-
   6" WAT IE: 249.86
   6" STM TOP: 249.29
2. WATER & STORM CROSSING-
   2" WAT IE: 250.18
   6" STM TOP: 249.25
3. WATER & SANITARY CROSSING-
   6" WAT IE: 249.73
   4" SAN TOP: 248.88
4. WATER & SANITARY CROSSING-
   2" WAT IE: 250.24
   4" SAN TOP: 248.85
5. STORM & SANITARY CROSSING-
   4" STM IE: 249.26
   4" SAN TOP: 247.38
6. STORM & SANITARY CROSSING-
   6" STM IE: 249.28
   4" SAN TOP: 249.03
   USE CDF AT CROSSING TO ENSURE COMPACTION BETWEEN PIPES.

WATER UTILITY CONSTRUCTION NOTES

1. PORTLAND WATER BUREAU TO INSTALL 25LF 6" CL52 DUCTILE IRON WATER LINE. CONTRACTOR TO CONNECT TO PROPOSED 6" DUCTILE IRON WATER STUB AT ROW. CONTRACTOR TO COORDINATE WITH PORTLAND WATER BUREAU FOR SCHEDULING AND INSTALLATION. CONTRACTOR TO PROVIDE PATCHING PER REQUIREMENTS OF CITY OF PORTLAND.
2. PORTLAND WATER BUREAU TO INSTALL DOMESTIC WATER SERVICE, METER AND VAULT. CONTRACTOR TO COORDINATE WITH PORTLAND WATER BUREAU FOR SCHEDULING OF DOMESTIC WATER LINE INSTALLATION.
3. INSTALL- 2" DOMESTIC DOUBLE CHECK VALVE ASSEMBLY (WILKINS 350 XL OR EQUAL) 17"x30" METER BOX.
   SEE DETAIL ON SHEET C6.0.
4. CONNECT TO 6" WATER LINE STUBBED AT ROW LINE BY CITY OF PORTLAND WATER BUREAU.
5. INSTALL- 6" DOUBLE CHECK DETECTOR ASSEMBLY (WATTS OR EQUAL)
   687-WA UTILITY VAULT WITH 2-332P COVER LID
   PROVIDE POWER TO VAULT FOR GFCI OUTLET
   1/3 HP SUMP PUMP
   1-1/2" SUMP PUMP LINE, DRAIN TO LANDSCAPE
   SEE DETAIL ON SHEET C6.0.
6. INSTALL- FDC CONNECTION
   2-90° (MJxMJ) BENDS
   17LF OF 6" CL 52 DIP
   FULLY RESTRAIN LINE WITH MEGA-LUG
   PROVIDE SIGNAGE FOR FDC PER IFC 912.4 CONNECTION
7. INSTALL- 120LF 6" CL52 DUCTILE IRON FIRE WATER LINE.
   2-22.5° BEND (MJxMJ) - RESTRAIN 6' EACH WAY FROM BEND
   1-45° BEND (MJxMJ) - RESTRAIN 12' EACH WAY FROM BEND
   1-90° BEND (MJxMJ) - RESTRAIN 29' EACH WAY FROM BEND
   RESTRAIN WITH MEGA-LUG
8. STUB 6" FIRE PROTECTION LINE AT BUILDING. CONTRACTOR TO VERIFY BUILDING FIRE SPRINKLER LINE STUB PRIOR TO CONSTRUCTION ON FIRE SPRINKLER PLANS.
9. INSTALL 90LF OF 2" TYPE K COPPER DOMESTIC WATER LINE.
10. STUB 2" DOMESTIC WATER LINE AT BUILDING. CONTRACTOR TO VERIFY BUILDING DOMESTIC WATER LINE STUB PRIOR TO CONSTRUCTION ON PLUMBING PLANS.
11. INSTALL IRRIGATION DOUBLE CHECK VALVE. SEE IRRIGATION PLAN FOR SIZE AND TYPE.
12. STUB 1-1/2" WATER LINE FOR IRRIGATION DCVA AND SERVICE. SEE IRRIGATION PLAN FOR SIZE AND TYPE.

SCALE: 1"=20'
20 10 0 20

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

REGISTERED PROFESSIONAL ENGINEER
80059PE
OREGON
DECEMBER 31, 2015
JEFFREY R. SHOEMAKER
EXPIRES: 06/30/2016

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

NO.	DATE	REVISIONS
A	4.13.2015	PR05
A1	3.20.2015	JRS ASI 03
1	3.15.2015	JRS PERMIT RESUBMITTAL
2	03.03.2015	JRS PR01
3	01.12.15	JRS CONSTRUCTION SUBMITTAL
	11.14.14	JRS ISSUE FOR BID

UTILITY PLAN

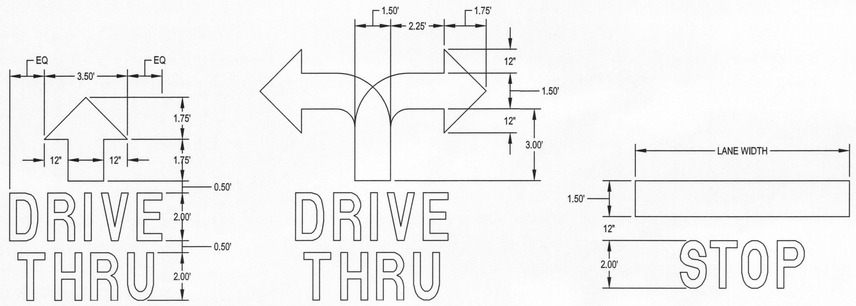
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: DJM/BCF
DATE: 10.24.14
REVIEWED: J.SHOEMAKER

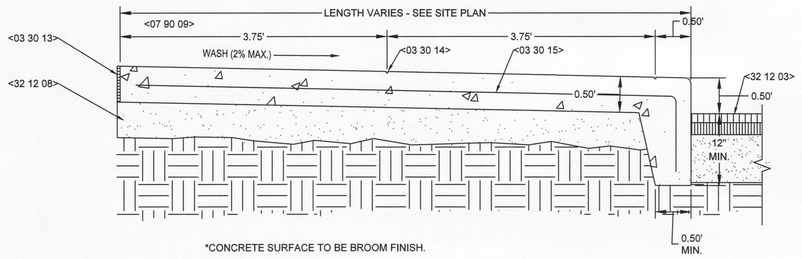
C5.0

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number



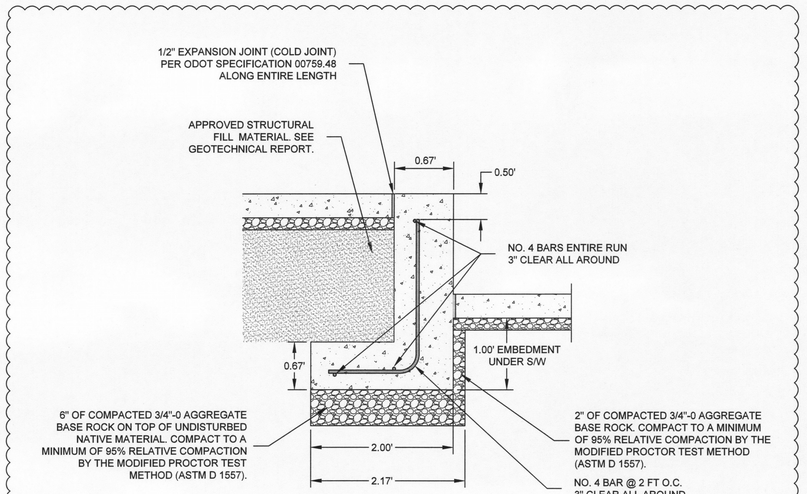
NOTES:
1. PAINT COLOR TO BE "YELLOW" FOR ARROW AND LETTERS. "DRIVE THRU" AND "STOP LETTERS TO BE ELONGATED HELVETICA MEDIUM, 4" WIDE STROKE.
2. PAINT 2" BLACK OUTLINE AROUND ARROW AND LETTERS FOR PROJECTS WITH CONCRETE PARKING LOTS.

PAVEMENT PAINTING DETAILS
NOT TO SCALE



*CONCRETE SURFACE TO BE BROOM FINISH.

TYPICAL PERIMETER SIDEWALK SECTION
NOT TO SCALE

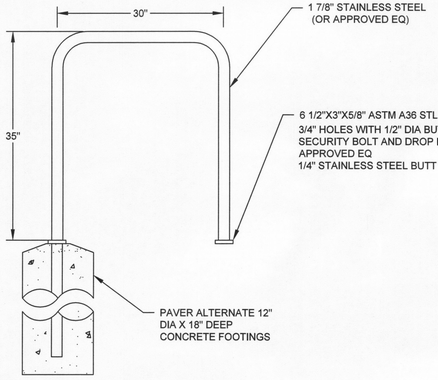


TALL CURB WALL DETAIL
NOT TO SCALE

7

REFERENCED KEYED NOTES

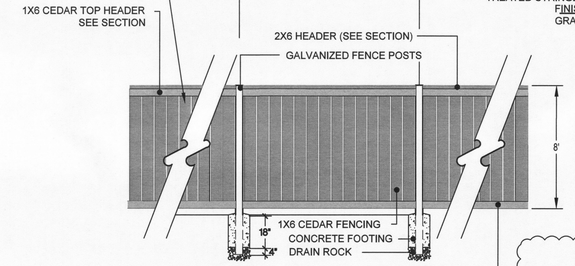
DIVISION 03 – CONCRETE –	
03 30 08	12"Ø CONCRETE FOUNDATION 6" BELOW FROST LINE (4'–0" MINIMUM BELOW FINISHED GRADE).
03 30 09	EOR SHALL BE RESPONSIBLE FOR SPECIFYING BOLLARD FOOTING DESIGN. MINIMUM DESIGN OF 18"Ø CONCRETE FOOTING EXTENDING BELOW THE FROST LINE (42"MINIMUM)
03 30 10	3/8"Ø WELDED HOOPS 12"Ø TOP, BOTTOM, AND CENTER
03 30 11	PROVIDE PITCH, SMOOTH CONCRETE FINISH AT TOP OF CONC. FILL/FOUNDATION.
03 30 15	6" X 6" W1.4/1.4 WWF
03 30 16	CONCRETE ISLAND.
03 30 17	LINE OF FACE OF CURB (CURB GRADE SHOWN ON PLAN).
03 30 40	2" X 2" STEEL TUBE EXTENDED INTO CONCRETE FILLED 4" PIPE.
DIVISION 05 – METAL –	
05 10 03	2" X 2" STEEL TUBE EXTENDED INTO CONCRETE FILLED 4" PIPE.
05 10 05	3/8"Ø X 6" ANCHOR ROD THROUGH POST.
05 10 47	HSS 6"Ø X .28" THICK PIPE, CONCRETE FILLED. PROVIDE 1/4" WELDED CLOSURE PLATE AT BOTTOM. ALL STEEL TO BE RUST FREE AND PRIME COATED. BOLLARDS ON WALK TO RECEIVE GRAY POLYETHYLENE COVER. ALL OTHER TO RECEIVE A YELLOW COVER (FROM IDEAL SHIELD – 313–842–7290).
DIVISION 07 – THERMAL AND MOISTURE PROTECTION –	
07 90 09	COMPRESSIBLE FILLER (3/4" MAXIMUM). CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
DIVISION 10 – SPECIALTIES –	
10 14 47	TRAFFIC DIRECTIONAL SIGN.
DIVISION 31 – EARTHWORK –	
31 23 01	FINISHED GRADE.
31 23 02	SOLID UNDISTURBED SOIL.
31 23 03	WELL–DRAINED COMPACTED SUB–GRADE.
DIVISION 32 – EXTERIOR IMPROVEMENTS –	
32 12 03	PAVEMENT AT GRADE SHOWN ON PLAN.
32 31 01	TRUCK ASSEMBLY. NUTS MUST BE LOCKED TIGHT.
32 31 02	U–BOLTS.
32 31 03	TRUCK BRACKET.
32 31 04	POST.
32 31 05	GATE FRAME MEMBER.
32 31 06	LOWER GUIDE ROLLER ASSEMBLY.



*MANUFACTURER TO BE FROM CITY OF PORTLAND APPROVED LIST.

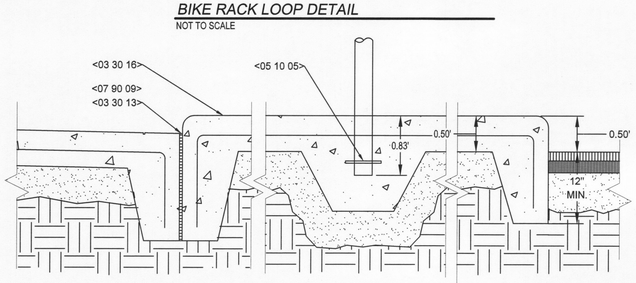
BICYCLE RACK MANUFACTURERS

ALBINA PIPE BENDING CO.
AMERICAN BICYCLE SECURITY
BIKE RACK SOURCE
BIKERACKK
COLOMBIA CASCADE
CORA BIKE RACK INC
CREATIVE METALWORKS
CREATIVE PIPE, INC
CYCLE-SAFE
DERO BIKE RACKS
DOBRA DESIGN
FUNCTION FIRST INC
HUNTCO SUPPLY CO
MADRAX
PALMER GROUP
PARK-A-BIKE
PARKIT BIKE RACKS
PEAK RACKS
RADIUS PIPE BENDING
RECREATION RESOURCE
RELIANCE RESOURCE
RELIANCE FOUNDRY CO
SARIS CYCLING GROUP
SPORTWORKS NORTHWEST INC
URBAN RACKS
VICTOR STANLEY INC



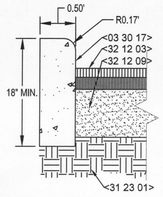
8' CEDAR FENCE
NOT TO SCALE

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number



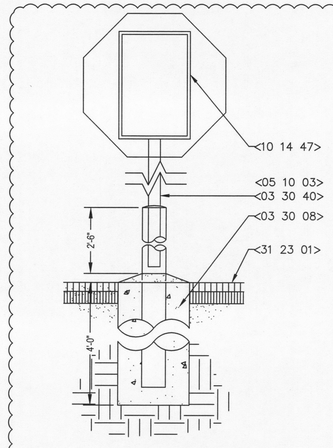
BIKE RACK LOOP DETAIL
NOT TO SCALE

SECTION AT BIKE RACK ISLAND
NOT TO SCALE

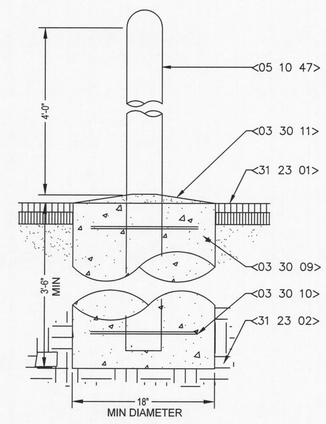


ALL CURBS TO HAVE 3/4" EXPANSION JOINTS AT A MAXIMUM OF 100'-0" WITH DOWELS AND CONTROL JOINTS AT A MAXIMUM OF 20'-0".

VERTICAL CURB SECTION
NOT TO SCALE



TRAFFIC DIRECTIONAL SIGN
NOT TO SCALE



TYPICAL PIPE BOLLARD
NOT TO SCALE

7

Toltz, King, Duvall, Anderson & Associates
FACILITIES PLANNING
DESIGN AND ENGINEERING
100 WILMOT ROAD
DEERFIELD, IL 60015-5105

REGISTERED PROFESSIONAL ENGINEER
80059PE
OREGON
DECEMBER 31, 2001
JEFFREY R. SHOEMAKER
EXPIRES: 06/30/2016

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

NO.	DATE	BY	REVISIONS
	4.13.2015	JRS	PRDS
4	3.20.2015	JRS	ASI 03
3	3.15.2015	JRS	PERMIT RESUBMITTAL
	01.12.15	JRS	CONSTRUCTION SUBMITTAL
	11.14.14	JRS	ISSUE FOR BID
2	10.24.14	SF	WALGREENS REDLINE REVISIONS

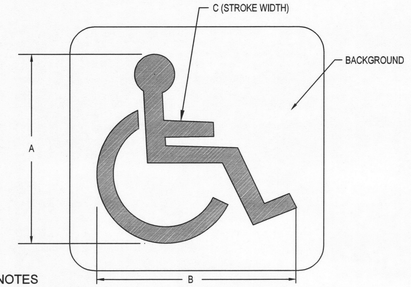
DETAILS

PROJECT ID: 14-01152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: CMH
DATE: 10.24.14
REVIEWED: J. SHOEMAKER

C6.2

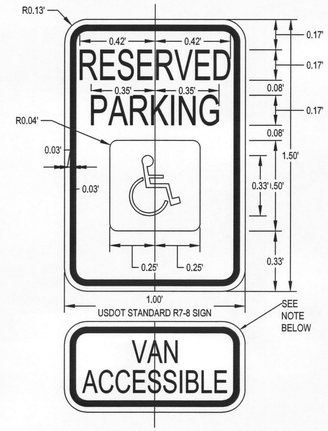


NOTES

1. PAVEMENT MARKING BACKGROUND: OPTIONAL: BLUE, RETRO-REFLECTIVE
2. PAVEMENT MARKING STENCIL: WHITE, RETRO-REFLECTIVE
3. THE PAVEMENT MARKING STENCIL SHALL BE USED TO DESIGNATE AN ACCESSIBLE PARKING AREA RESERVED FOR VEHICLES WITH DMV PERMITS.

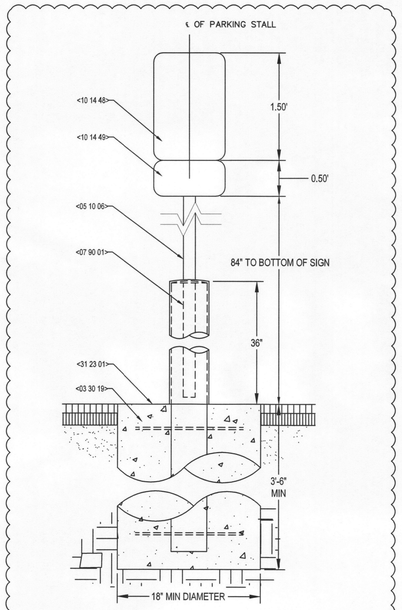
LEGEND	DIMENSIONS (INCHES)						
	A	B	C	D	E	F	G
MINIMUM	28	24	3				
STATE HIGHWAY	41	36	4				

TYPICAL A.D.A. PARKING SYMBOL
NOT TO SCALE



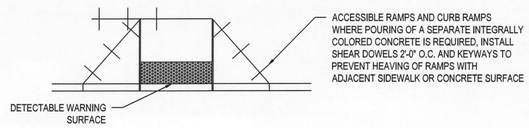
R7-8 SIGN NOTE:
THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE SIGN MUST BE SUPPLEMENTED WITH A "VAN ACCESSIBLE" SIGN AS APPLICABLE AND/OR AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S) A MUNICIPALITY MAY IMPOSE. CONFIRM WITH LOCAL REGULATIONS.

ACCESSIBILITY PARKING SIGN DETAIL
NOT TO SCALE

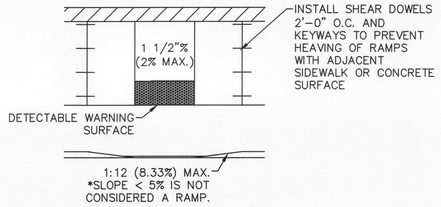


ALL POST MOUNTED ACCESSIBILITY SIGNS SHALL BE MOUNTED WITH IDEAL SHIELD BOLLARD SIGN SYSTEM. BOLLARD AND POST SLEEVE SHALL BE GRAY COLOR. INSTALLATION PER MANUFACTURER INSTRUCTIONS.

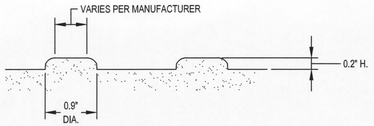
POST MOUNTED ACCESSIBILITY SIGN
NOT TO SCALE



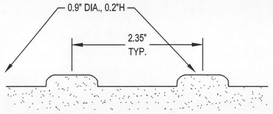
PERPENDICULAR CURB RAMP
NOT TO SCALE



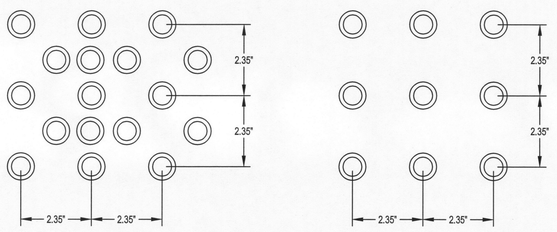
PARALLEL CURB RAMP
NOT TO SCALE



DETECTABLE WARNING SURFACE PLAN



"DOME STAMP" SURFACE PATTERN SECTION



TRIANGULAR PATTERN "DOME STAMP" SURFACE PATTERN PLANS SQUARE PATTERN

NOTES:
EITHER PATTERN IS ACCEPTABLE.
CURB RAMPS MUST HAVE A DETECTABLE WARNING FEATURE EXTENDING THE FULL WIDTH AND DEPTH OF THE RAMP (MID-WALK "IN-LINE" RAMPS ONLY NEED DETECTABLE WARNINGS AT WALK/PARKING TRANSITION). THE DETECTABLE SURFACE MUST CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER-TO CENTER SPACING OF NOMINAL 2.35 INCHES. THE TEXTURE OF THE DETECTABLE WARNING FEATURE MUST CONTRAST WITH THE SURROUNDING SURFACES (EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT). SEE ABOVE.

LOCAL JURISDICTION:
THERE ARE LOCAL JURISDICTIONS THAT SPECIFICALLY REQUIRE DETECTIBLE WARNINGS ON THE SIDE FLARES OR TOP OF RAMP (CA.). THERE ARE LOCAL JURISDICTIONS THAT HAVE REDEFINED DETECTABLE WARNINGS (E.G. EXPOSED CONTRASTING COLOR AGGREGATE, GROOVES IN A PARALLEL OR DIAMOND PATTERN ETC.). ACCESSIBILITY GUIDELINES DEFINED BY LOCAL ORDINANCE SHOULD SUPERCEDE WHEN MORE STRINGENT THAN ADAAG. IN THE ABSENCE OF A DEFINITION, FOLLOW ADAAG.

DETECTABLE WARNING
NOT TO SCALE

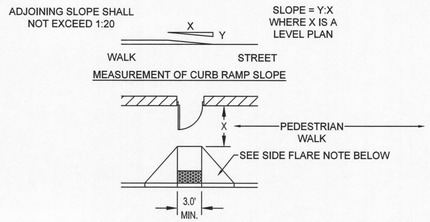
DETECTABLE WARNING SURFACES

DETECTABLE WARNING SURFACES SHALL BE CAST-IN-PLACE FIBERGLASS OR POLYMER BASED. USE ARMOR-TILE CAST-IN-PLACE SYSTEM, ADA SOLUTIONS INC. CAST-IN-PLACE OR APPROVED EQUAL. USE THE LARGEST TILE SIZE FOR EACH LOCATION; 12"x12" TILES SHALL NOT BE USED. DOME SIZE AND SPACING SHALL BE ADA COMPLIANT. ENGINEER SHALL SELECT COLOR TO COMPLY WITH THE DEPARTMENT OF JUSTICE ADA STANDARDS FOR ACCESSIBLE DESIGN (LATEST EDITION) VISUAL CONTRAST REQUIREMENT WITH THE ADJACENT WALKING SURFACE OF LIGHT-TO-DARK OR DARK-TO-LIGHT.

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

REFERENCED KEYED NOTES

DIVISION 03 - CONCRETE -	
03 30 19	24"Ø CONCRETE FOOTER BELOW FROST LINE (4'-0" MINIMUM).
DIVISION 05 - METAL -	
05 10 06	2" X 2" STEEL TUBE EXTENDED INTO CONCRETE FILLED 6"Ø PIPE CLOSURE PLATE AT TOP OF TUBE.
DIVISION 07 - THERMAL AND MOISTURE PROTECTION -	
07 46 01	DOWNSPOUT.
07 90 01	SEALANT.
DIVISION 10 - SPECIALTIES -	
10 14 48	STANDARD USDOT R7-8 SIGN (BOTH SIDES-WHERE APPLICABLE).
10 14 49	SUPPLEMENTAL SIGNS, "VAN ACCESSIBLE" AND/OR $ - FINE AS APPLICABLE.
10 14 50	SIGNS MOUNTED TO BUILDING WALL OR COLUMN IS THE PREFERRED DETAIL WHERE ALLOWED. FOR FREESTANDING SIGN SEE DETAIL 2/C-520.
10 14 51	STAND-OFF BRACKET (WHEN DOWNSPOUT IS PRESENT) AT TOP AND BOTTOM OF SIGN. DO NOT ANCHOR SIGN TO DOWNSPOUT.
10 14 52	SIGN.
10 14 64	ACCESSIBLE PARKING SIGN. SEE SHEET C-520.
DIVISION 31 - EARTHWORK -	
31 23 01	FINISHED GRADE.
DIVISION 32 - EXTERIOR IMPROVEMENTS -	
32 12 17	ENTRY BOLLARDS WITH POLYETHYLENE COVERS 5'-4" CLEAR MAX.



MEASUREMENT OF CURB RAMP SLOPE

NOTES:
"X" IS 60" MIN. AT AN OUT SWING DOOR WITH A SLOPE OF 1:50 (2%) MAXIMUM. LEVEL SURFACE IS PREFERED.

A CURB RAMP(S) MUST BE PROVIDED ALONG AN ACCESSIBLE PATH FROM THE PARKING LOT TO WALGREENS CURBED SIDEWALK.

A CURB RAMP(S) MUST ALSO BE PROVIDED IN THE PARKING LOT AT ALL INTERMEDIATE AND PERIMETER CURBS ALONG THE ACCESSIBLE ROUTE CONNECTING TO PUBLIC SIDEWALKS.

A RAMP IS ANY SLOPE GREATER THAN 1:20 (5%) AND SHALL HAVE A MAXIMUM SLOPE OF 1:12 (8.33%). THE MAXIMUM SLOPE IS 1" OF RISE PER FOOT OF DISTANCE TRAVELED. ALL DETECTABLE WARNING AREAS OF THE RAMP ARE TO HAVE AN INTEGRAL RED COLOR.

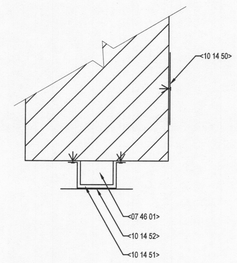
THE CLEAR WIDTH OF ANY RAMP IS A MINIMUM OF 36".

CURB RAMPS HAVE A MAXIMUM RISE OF 6" AND DO NOT REQUIRE HANDRAILS.

ANY RAMP WITH GREATER THAN A 6" RISE SHALL HAVE HANDRAILS ON BOTH SIDES AND CURBED EDGE PROTECTION ON BOTH SIDES. EDGE PROTECTION CONSISTS OF CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. HANDRAIL DETAILS SHALL FOLLOW ACCESSIBLE GUIDELINES.

SIDE FLARE NOTE:
(SEE REFERENCE DIAGRAM ABOVE). SIDE FLARES SHALL HAVE A MAXIMUM SLOPE OF 1:10 (10%). WHERE "X" IS LESS THAN 48", SIDE FLARE SLOPE SHALL BE 1:12 (8.33%) MAXIMUM. WHERE "X" IS LESS THAN 36", WALGREENS PREFERS THE "IN-LINE" RAMP SHOWN BELOW.

CURB RAMP
NOT TO SCALE



BUILDING AND COLUMN MOUNTED ACCESSIBILITY SIGN
NOT TO SCALE

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

REGISTERED PROFESSIONAL ENGINEER
80059PE
OREGON
DECEMBER 31, 2002
JEFFREY R. SHOEMAKER
EXPIRES: 06/30/2016

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

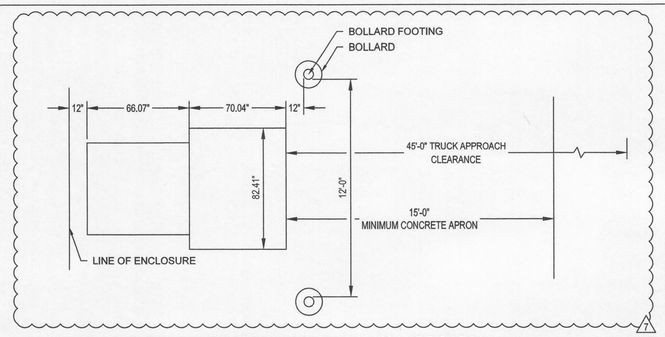
REVISIONS			
NO.	DATE	BY	DESCRIPTION
4	4.13.2015	JRS	PR05
3	3.20.2015	JRS	AS_03
2	3.15.2015	JRS	PERMIT RESUBMITTAL

DETAILS

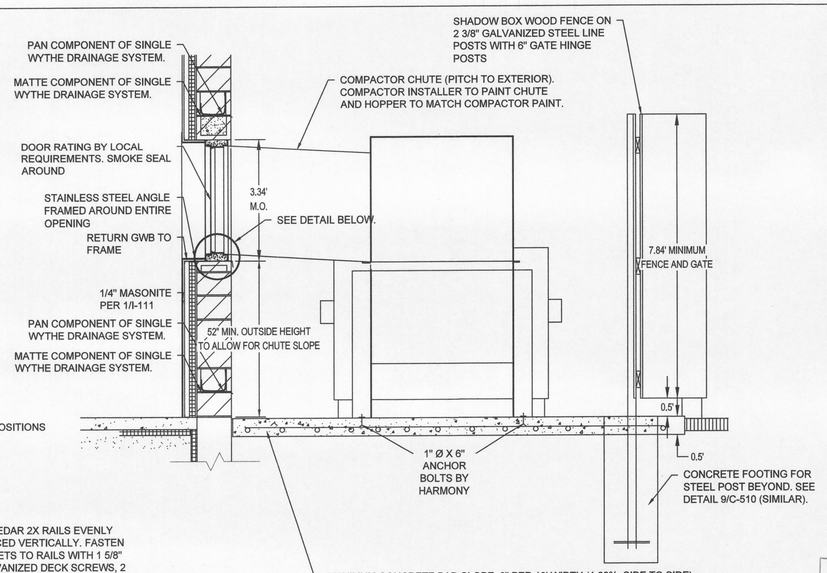
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: CMH
DATE: 10.24.14
REVIEWED: J. SHOEMAKER

C6.3



6 CUBIC YARD COMPACTOR DETAIL (CARDBOARD)
NOT TO SCALE



COMPACTOR SECTION
NOT TO SCALE

GENERAL NOTES

CONCRETE:
PAD SHALL BE AS SPECIFIED BY THE GEOTECHNICAL ENGINEER, BUT MEET OR EXCEED THE FOLLOWING REQUIREMENTS: MINIMUM OF 3,000 P.S.I. AIR ENTRAINED CONCRETE 6" THICK WITH #4 BARS X 12" O.C. EACH WAY. SURFACE TO RECEIVE BROOM FINISH, AND SHALL BE FLAT EXCEPT FOR WASH (1.66 PERCENT MAXIMUM).

COMPACTOR:
- ARCHITECT SHALL SEND HARMONY ENCLOSURE LAYOUT DRAWINGS FOR REVIEW TO COORDINATE CLEARANCES.
- COMPACTOR IS INSTALLED BY HARMONY ENTERPRISES, INC. CONTACT HARMONY VIA EMAIL AT wgequiptment@harmonyl.com
- CONTRACTOR TO COORDINATE WITH HARMONY.

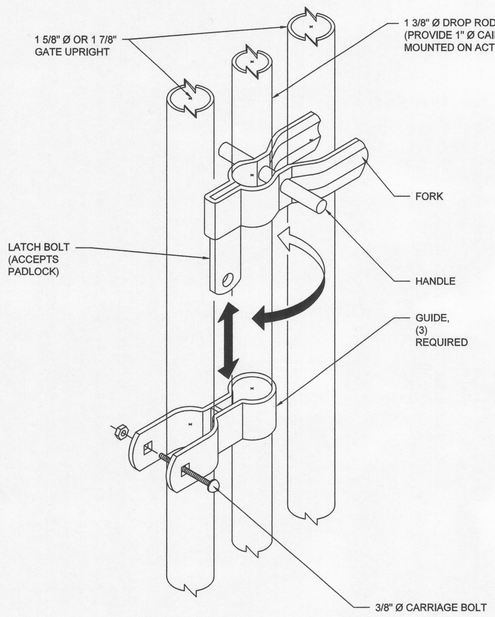
ELECTRICAL POWER:
FOR EACH COMPACTOR, ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR 2 HP., 3 PHASE, 60HZ MOTOR 4'-0" A.F.F. AND 30A. WEATHER PROOF, LOCKABLE, NON-FUSIBLE DISCONNECT SWITCH LOCATED ON EXTERIOR WALL WITHIN 4'-0" OF COMPACTOR. FINAL CONNECTION AND CONTROL WIRING BY COMPACTOR INSTALLER.

WOOD FENCE ENCLOSURE AND GATES:
CEDAR WOOD BOARD ON BOARD FENCE WITH CLEAR PROTECTIVE FINISH. CEDAR WOOD GATES TO BE STEEL FRAMED WITH 6" Ø STEEL HINGE POSTS AND 2.375" O.D. NOMINAL GALVANIZED LINE POSTS. INDUSTRIAL GRADE CANE DROP BOLTS (FOR HOLD OPEN AND SECURE CLOSE POSITIONS) WITH PADLOCK HASP AND GALVANIZED, SURFACED-MOUNTED BOLT ON HINGES (SIM. TO PART #15607) BY MASTER HALCO, INC. (800) 229-5615) OR EQUAL.

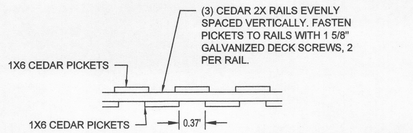
A 12"W X 18"H SIGN LABELED "AUTHORIZED PERSONNEL ONLY - NO TRESPASSING", SHALL BE PLACED ON EXTERIOR SIDE OF ENCLOSURE, BY WALGREENS CONTRACTOR. MOUNT SIGN PLUMB AND AT 5'-0" ABOVE CONCRETE PAD TO BOTTOM OF SIGN WITH CORROSION AND TAMPER RESISTANT FASTENERS.

ENCLOSURES:
ENCLOSURE INSIDE DIMENSIONS ARE TO MEET OR EXCEED ALL MINIMUM CLEARANCES PRESCRIBED IN THESE DETAILS. MASONRY MUST BE CONTAINED IN ENCLOSURE AREA AS DEFINED BY HATCHED AREA.

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

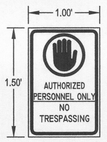


INDUSTRIAL LATCH W/ DROP ROD & GATE HINGE
NOT TO SCALE

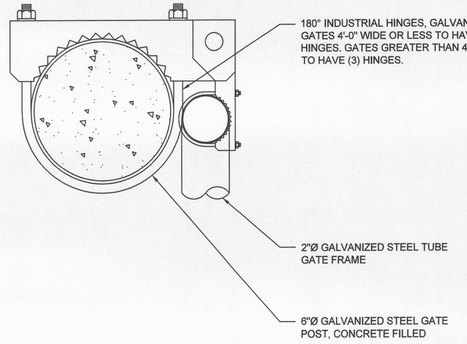


NOTE: BOTTOM OF PICKETS, INCLUDING GATES, TO BE 6" ABOVE CONCRETE PAD.

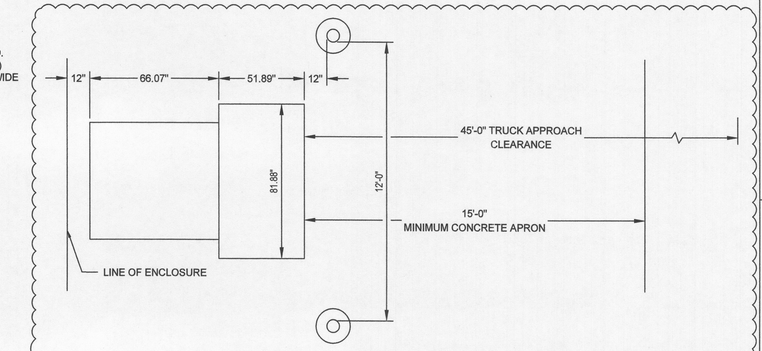
SHADOW BOX STYLE FENCE DETAIL
NOT TO SCALE



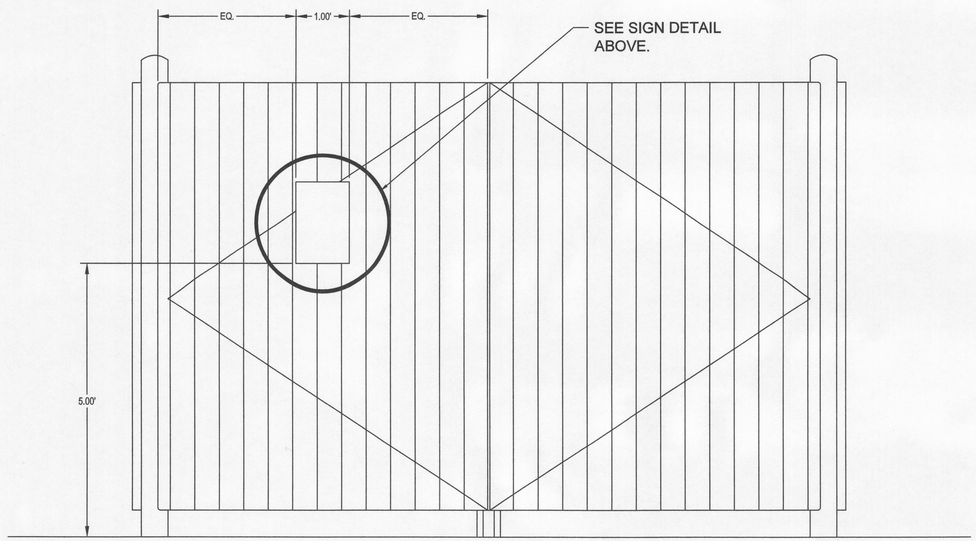
SIGN ELEVATION DETAIL
NOT TO SCALE



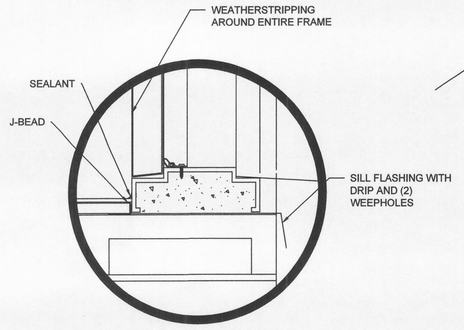
INDUSTRIAL HINGE DETAIL
NOT TO SCALE



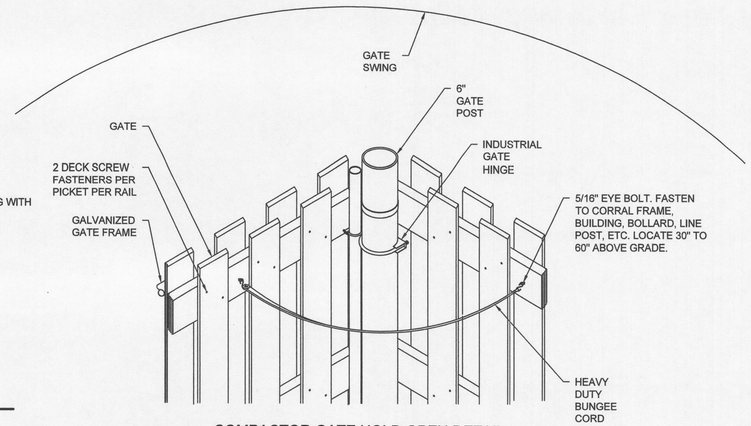
4 CUBIC YARD COMPACTOR DETAIL (CARDBOARD)
NOT TO SCALE



ELEVATION - SIGN PLACEMENT
NOT TO SCALE



DETAIL OF COMPACTOR SECTION
NOT TO SCALE



COMPACTOR GATE HOLD OPEN DETAIL
NOT TO SCALE

Wgreen
FACILITIES PLANNING
DESIGN AND ENGINEERING
1411 LAKE COOK ROAD
DEERFIELD, IL 60015-5105

REGISTERED PROFESSIONAL ENGINEER
80059PE
OREGON
DECEMBER 31, 2007
JEFFREY R. SHOEMAKER
EXPIRES: 06/30/2016

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

NO.	DATE	BY	REVISIONS
1	3.15.2015	JRS	PERMIT RESUBMITTAL
2	03.04.2015	JRS	ASI#2
	01.12.15	JRS	CONSTRUCTION SUBMITTAL
	11.14.14	JRS	ISSUE FOR BID
1	10.24.14	SF	WALGREENS REDLINE REVISIONS
2	10.24.14	SF	PERMIT PLAN CHECK REVISIONS

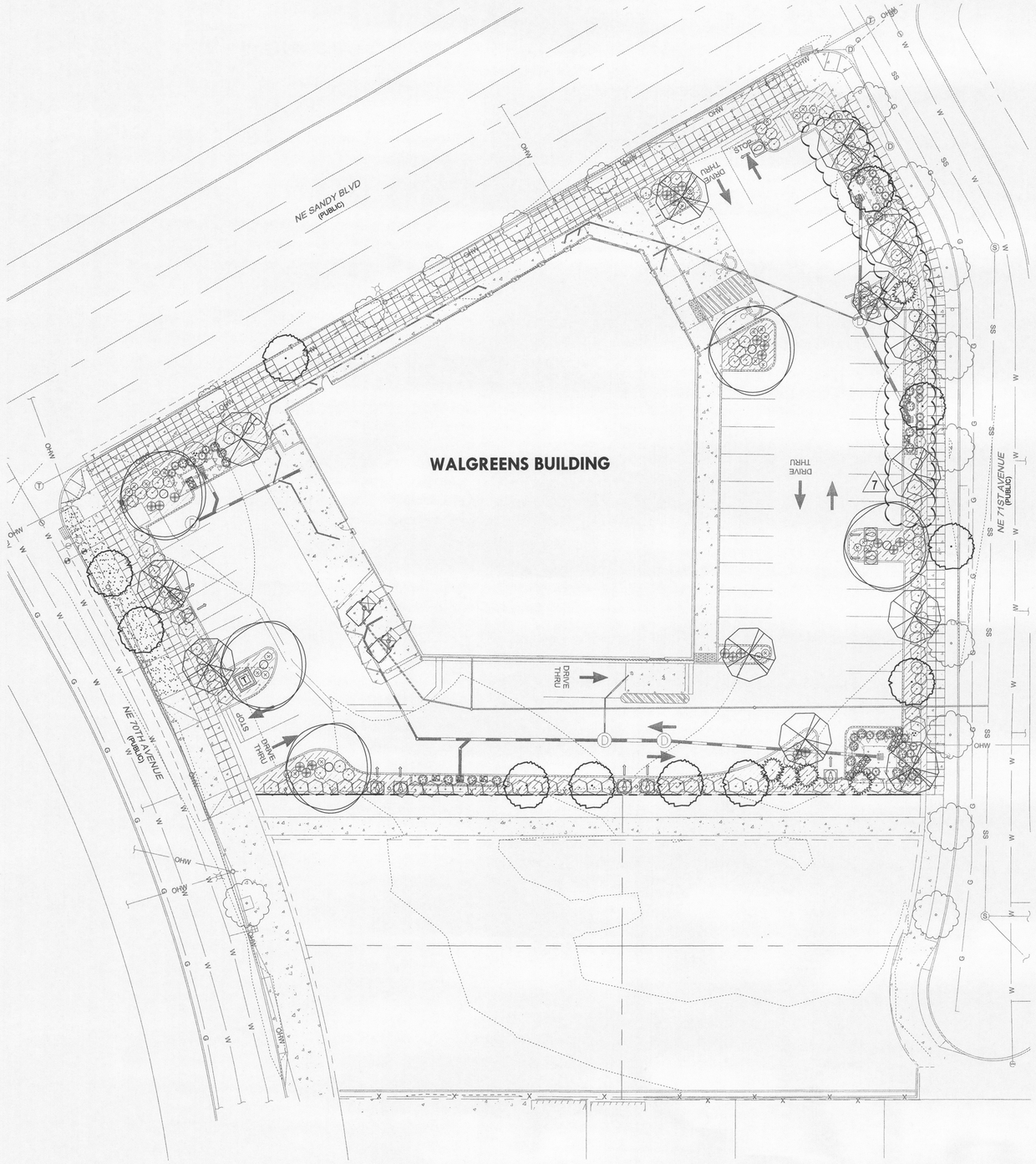
DETAILS

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: CMH
DATE: 10.24.14
REVIEWED: J. SHOEMAKER

C6.4



LANDSCAPE PLANT MATERIAL SCHEDULE

SYMBOL	ITEM	SIZE	QTY.	COMMENTS
	TREES			
	ACER NIGRUM 'GREENCOLUMN' GREEN COLUMN MAPLE	1-1/2" CAL. / B&B	13	REFER TO DETAILS 4 & 5 / SHEET L3.0 MEDIUM TREE
	FRAXINUS ANGUSTIFOLIA NARROWLEAF ASH	1-1/2" CAL. / B&B	5	REFER TO DETAILS 4 & 5 / SHEET L3.0 LARGE TREE
	ZELKOVA SERRATA 'JFS-KW1' P.A.F CITY SPRITE ZELKOVA	1-1/2" CAL. / B&B 3-1/2" CAL. / B&B	7 4	REFER TO DETAIL 4 / SHEET L3.0 1-1/2" PERIMETER AND 3-1/2" STREET TREE
	THUJA PLICATA 'HOGAN' HOGAN CEDAR	5' HT. / B&B	5	REFER TO DETAILS 3 & 5 / SHEET L3.0 SMALL TREE
	EXISTING DECIDUOUS TREE TO REMAIN	DBH VARIES	16	CONTRACTOR TO PROTECT IN PLACE.
	SHRUBS & ACCENTS			
	ITEM	**SIZE**	**QTY.**	**COMMENTS**
	ACER CIERCINATUM VINE MAPLE	4' HT / MULTI- / B&B	2	REFER TO DETAILS 4 & 5 / SHEET L3.0 ARBORESCENT SHRUB
	COTONEASTER LACTEUS PARNEY COTONEASTER	3 GAL.	64	REFER TO DETAILS 2 & 5 / SHEET L3.0
	PRUNUS LAUROCERASUS 'OTTO LUYKEN' OTTO LUYKEN LAUREL	3 GAL.	21	REFER TO DETAILS 2 & 5 / SHEET L3.0
	VIBURNUM DAVIDII DAVID'S VIBURNUM	3 GAL.	64	REFER TO DETAILS 2 & 5 / SHEET L3.0
	MAHONIA AQUIFOLIUM TALL OREGON GRAPE	3 GAL.	33	REFER TO DETAILS 2 & 5 / SHEET L3.0
	ROSA NOOTKANA NOOTKA ROSE	1 GAL.	24	REFER TO DETAILS 2 & 5 / SHEET L3.0
	PENNISETUM ALOPECURIODES 'LITTLE BUNNY' LITTLE BUNNY FOUNTAIN GRASS	1 GAL.	36	REFER TO DETAILS 2 & 5 / SHEET L3.0
	GROUNDCOVERS			
	ITEM	**SIZE**	**QTY.**	**COMMENTS**
	ARCTOSTAPHYLOS UVA-URSI BEARBERRY	1 GAL. @ 3'-0" O.C.	5,601 SF 719 PLANTS	REFER TO DETAILS 1 & 5 / SHEET L3.0
	FRAGARIA CHILONENSIS STRAWBERRY	1 GAL. @ 1'-0" O.C.	547 SF 598 PLANTS	REFER TO DETAILS 1 & 5 / SHEET L3.0
	SEDGE / RUSH MIX 50% CAREX STIPATA 50% JUNCUS PATENS	1 GAL. @ 1'-0" O.C.	333 SF 386 PLANTS 193 EACH	REFER TO DETAIL 1 / SHEET L3.0
	PROTIME 303 SUN MIX HOBBS & HOPKINS - PORTLAND, OR	SEED @ 8 LBS / 1,000 SF	645 SF 6 LBS	

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

0 10 20 40 80

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

REGISTERED
749
PATRICK GAYNOR
OREGON
05/13/11
LANDSCAPE ARCHITECT
EXPIRES 05/31/15

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

NO.	DATE	BY	REVISIONS
	03.15.15	BFS	PERMIT RESUBMITTAL
	01.12.15	PEG	CONSTRUCTION SUBMITTAL
	11.14.14	PEG	ISSUE FOR BID
1	10.24.14	PEG	WALGREENS REDLINE REVISIONS
2	10.24.14	PEG	PERMIT PLAN CHECK REVISIONS
	08.15.14	PEG	PERMIT SUBMITTAL

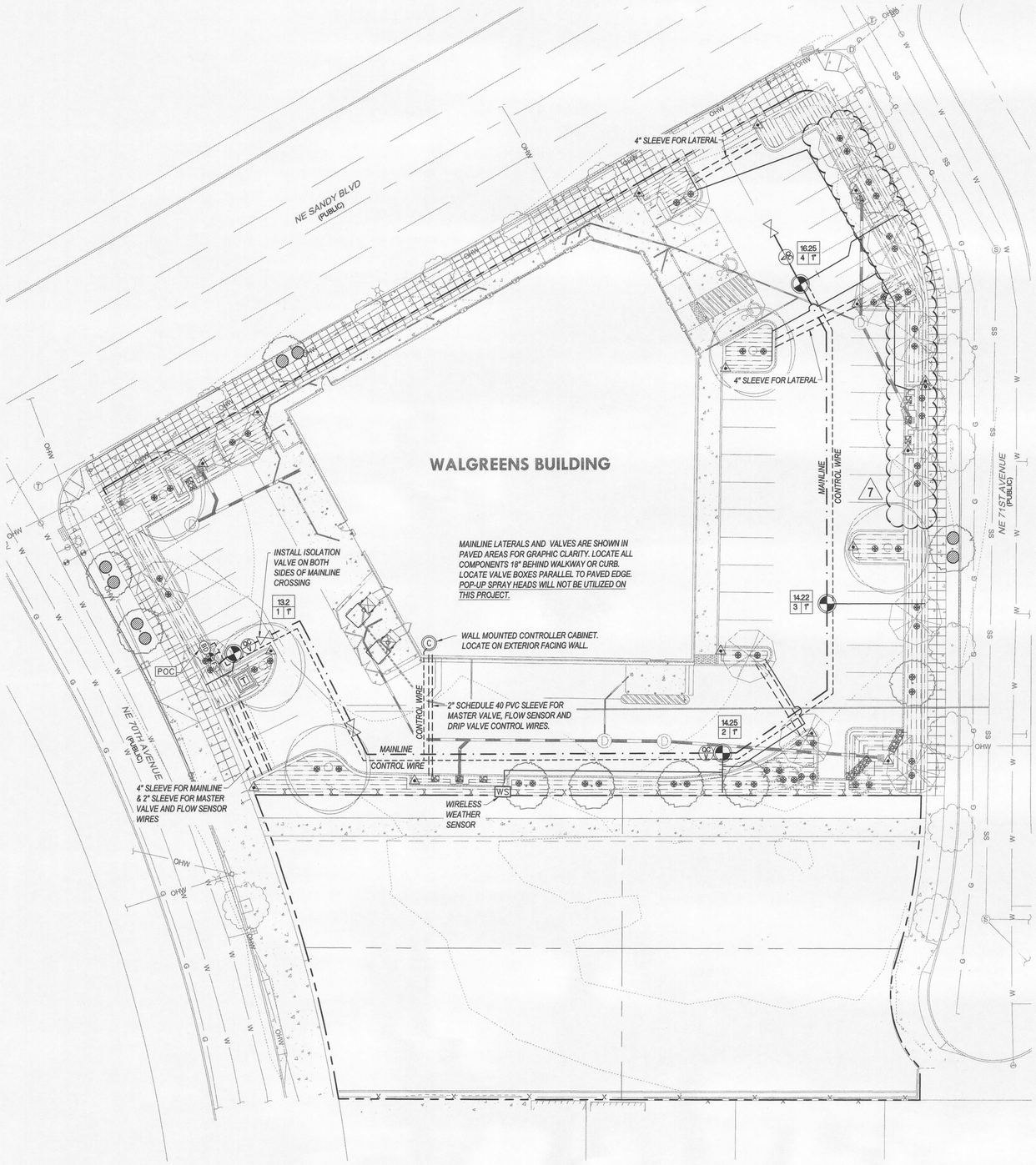
PLANTING PLAN

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: P. GAYNOR
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

L1.0



IRRIGATION MATERIALS AND LEGEND

SYMBOL — MAJOR SYSTEM COMPONENTS

POC — POINT OF CONNECTION: TARGET ONSITE

BD — BACKFLOW DEVICE: 1-1/2" WILKINS 350.
MASTER VALVE: 1-1/2" HUNTER ICV-151G-FS-AS-ADJ (SET TO NORMALLY CLOSED)
FS — FLOW SENSOR: 1-1/2" HUNTER HFS

INSTALLATION NOTES:
- INSTALL BACKFLOW DEVICE, MASTER VALVE AND FLOW SENSOR BEHIND WALKWAY IN LANDSCAPE PLANTER BED. USE JUMBO PLASTIC VALVE BOX FOR BACKFLOW DEVICE AND STANDARD VALVE BOXES FOR MASTER VALVE AND FLOW SENSOR.
- WIRE MASTER VALVE AND FLOW SENSOR BACK TO THE CONTROLLER MASTER VALVE AND SENSOR PORTS.

C — CONTROLLER:
HUNTER I-CORE, MODEL IC-600-M: 6 STATION WALL MOUNTED CONTROLLER IN METAL CABINET. LOCATE CONTROLLER INSIDE BUILDING ON AN EXTERIOR FACING WALL.

WS — WEATHER SENSOR:
HUNTER SOLAR SYNC. INSTALL WIRELESS SENSOR IN LANDSCAPE AS SHOWN, ON GALVANIZED METAL POLE, MINIMUM 10' ABOVE FINISH GRADE. POLE LENGTH SHALL ACCOUNT FOR 18" REQUIRED FOOTING.

QUICK COUPLING VALVE, KEY & SWIVEL
HUNTER 3/4" QUICK COUPLER= HQ-33DLRC KEY= HK-33 SWIVEL= HS-0

ISOLATION VALVE - SIZE PER LINE SIZE
MFG.: APOLLO MODEL: 32-(LINE SIZE)-27

IN-LINE EMITTER DRIP TUBING:
STAKE TUBING @ 3' O.C. AND BURY TUBING 1" BELOW FINISH SOIL GRADES
MFG: NETAFIM - MODEL: TECHLINE CV: TLCV-9-18-(COIL LENGTH)
TOTAL SYSTEM RUN = 4,592 LF / COIL LENGTHS: (4) 1,000' (2) 250' & (1) 100'
FLOW RATE: 0.9 GPH
EMITTER SPACING: 18" ON CENTER
ROW SPACING: 18" ON CENTER

24.75 2A 1.5" — DRIP ZONE FLOW TOTAL IN GALLONS PER MINUTE
DRIP ZONE NUMBER AND CONTROLLER PROGRAM / VALVE SIZE

DRIP ZONE VALVE:
PLASTIC VALVE: HUNTER ICV-101G-FG-AS-ADJ
PLASTIC FILTER: AMIAD 1 COMPACT w/ 80 MICRON STAINLESS SCREEN

ADJUSTABLE MICRO SPRAYS:
INSTALL 2 PER TREE AS SHOWN ON PLAN.
HUNTER HALO-SPRAY: HS-B-STK BARBED MICROSPRAY w/ STAKE

	GPH	P.S.I.	RADIUS
	16.0	20	7'-6"

END FLUSH CAP:
INSTALL IN 10" ROUND VALVE BOX. TYPICAL AT ALL ENDS OF DRIP LINE AS SHOWN ON PLAN.

ROOT ZONE WATERING SYSTEM
HUNTER RZWS-18: 18" LENGTH BLANK DEEP WATERING TUBE.
INSTALL (2) PER STREET TREE, AS SHOWN ON PLAN, FOR MANUAL HOSE WATERING.

CONTROL WIRE, PIPE AND SLEEVING

ZONE CONTROL WIRES WIRE LENGTH = 1,115 LF

1-1/2" MAINLINE - SCHEDULE 40 PVC (0-30 GPM)

1" LATERAL - CLASS 200 PVC (0-16 GPM)

1-1/2" LATERAL - CLASS 200 PVC (16-30 GPM)

UNDERPAVEMENT SLEEVING.
4" DIAMETER SCHEDULE 40 PVC SLEEVE FOR MAINLINE OR LATERAL.
2" SCHEDULE 40 PVC SLEEVE FOR MASTER VALVE, FLOW SENSOR AND DRIP CONTROL WIRES. SEE PLAN FOR LOCATION.

EXTEND SLEEVES 18" INTO LANDSCAPE BED ON BOTH SIDES OF CROSSING. TYPICAL OF ALL PAVEMENT CROSSINGS. ALL SLEEVES TO BE INSTALLED BY THE CONTRACTOR.

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

0 10 20 40 80

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

REGISTERED
749
PATRICK GAYNOR
OREGON
05/13/11
LANDSCAPE ARCHITECT
EXPIRES 05/31/15

Cardno
Shaping the Future
PORTLAND
5415 SW WESTGATE DR, STE 100, PORTLAND, OR 97221
TEL: (503) 419 - 2500 FAX: (503) 419 - 2600
www.cardno.com

NO.	DATE	BY	DESCRIPTION
			REVISIONS
	08.15.14	PEG	PERMIT SUBMITTAL
2	10.24.14	PEG	PERMIT PLAN CHECK REVISIONS
1	10.24.14	PEG	WALGREENS REDLINE REVISIONS
	11.14.14	PEG	ISSUE FOR BID
	01.12.15	PEG	CONSTRUCTION SUBMITTAL
3	03.15.15	BFS	PERMIT RESUBMITTAL

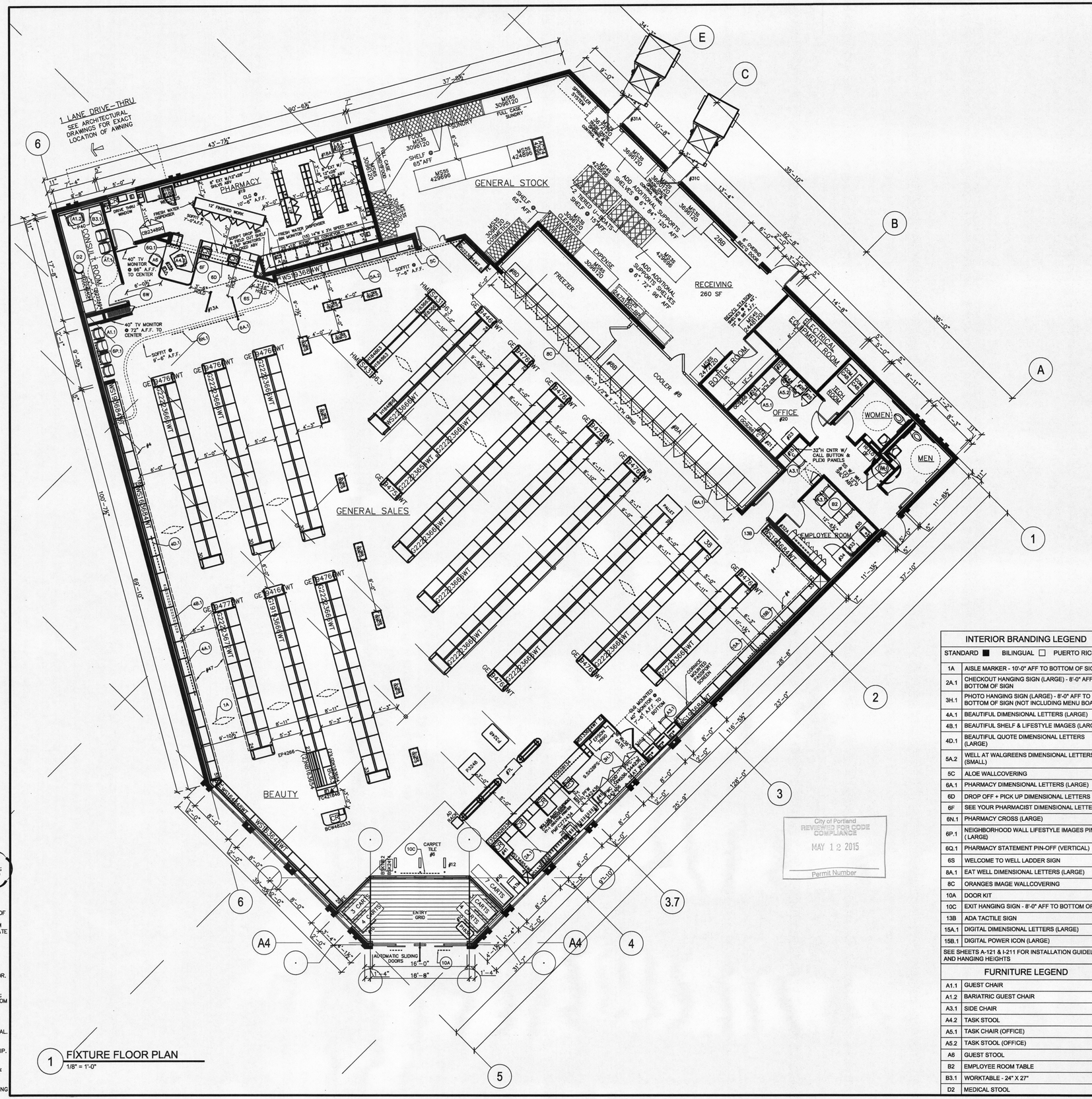
IRRIGATION PLAN

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: P. GAYNOR
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

L2.0



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

03/12/15 D111-06 RA
REVISE SHELL PER AOR; ADD WATER HEATER TO PORTER CLOSET.

02/23/15 D111-05 RA
SHIFT (2) ANGLED GONDOLAS TO CLEAR COLUMNS; REVISE HT. OF BEAUTY END PANEL; REMOVE CONSULT ROOM SINK & BENCH & UPDATE FURNITURE PER WALGREENS BULLETIN; UPDATE FURNITURE LEGEND.

11/13/14 D111-04 KM
ADD VESTIBULE PER AOR.

10/06/14 D111-03 RA
REVISE SHELL PER AOR; SEPARATE TRAINING FROM OFFICE; ADD DOOR TO PASSAGE; UPDATE CHECKOUT LAYOUT; REMOVE BEER + WINE BRANDING & ADD DIGITAL.

07/21/4 D111-02 JI
ENLARGE ELECTRIC EQUIP. RM.; REALIGN BOTTLE ROOM; RELOCATE RECEIVING MAN DOOR & OVERHEAD DOOR; MOVE (1) COMPACTOR 1'-0" TOWARDS RECEIVING DOOR

GENERAL NOTES

GENERAL SALES AREA:
1. PLEASE PROVIDE PROPER A.D.A. CLEARANCES ON BOTH SIDES OF ALL DOORS
2. (NOT USED)
3. (NOT USED)
4. SALES AREA CORNICE (FIXTURE MOUNTED)
5. (NOT USED)
6. CARPET TILES & ENTRY GRID FURNISHED AND INSTALLED BY WALGREENS
7. REACH-IN REFRIGERATION:
HILL PHOENIX REACH-IN OPEN CASE COOLERS (PROVIDE 2" AIR SPACE BEHIND & ADD 3" TO TOTAL LENGTH FOR END PANELS):
A. __ OSMH-NRG 4': 48"W X 43 1/4"D X 88 5/8"H
__ OSMH-NRG 6': 72"W X 43 1/4"D X 88 5/8"H
__ OSMH-NRG 8': 96"W X 43 1/4"D X 88 5/8"H
__ OSMH-NRG 12': 144"W X 43 1/4"D X 88 5/8"H
HILL PHOENIX REACH-IN GLASS DOOR COOLERS (PROVIDE 2" AIR SPACE BEHIND & ADD 3" TO TOTAL LENGTH FOR END PANELS):
B. __ ORBH 2-DR: 60"W X 42 1/16"D X 88 5/16"H
__ ORBH 3-DR: 90"W X 42 1/16"D X 88 5/16"H
__ ORBH 4-DR: 120"W X 42 1/16"D X 88 5/16"H
__ ORBH 5-DR: 150"W X 42 1/16"D X 88 5/16"H
__ ORBH 6-DR: 180"W X 42 1/16"D X 88 5/16"H
HILL PHOENIX REACH-IN GLASS DOOR FREEZERS (PROVIDE 2" AIR SPACE BEHIND & ADD 3" TO TOTAL LENGTH FOR END PANELS):
C. __ 6RZLH 2-DR: 60"W X 43 1/4"D X 87 1/8"H
__ 6RZLH 3-DR: 90"W X 43 1/4"D X 87 1/8"H
__ 6RZLH 4-DR: 120"W X 43 1/4"D X 87 1/8"H
__ 6RZLH 5-DR: 150"W X 43 1/4"D X 87 1/8"H
HILL PHOENIX / BARKER PENINSULA COOLERS:
D. __ PFI-507-62R: 85"W X 60"D X 83"H
__ PFI-509-62R: 109"W X 60"D X 83"H
__ PFI-512-62R: 145"W X 60"D X 83"H
HILL PHOENIX / BARKER ISLAND COOLERS
E. __ PFI-508-62R: 96 1/2"W X 80 3/4"D X 82"H
__ PFI-511-62R: 132 7/8"W X 60 3/4"D X 82"H
__ PFI-515-62R: 180 1/2"W X 60 3/4"D X 82"H
DOUBLE SIDED SLIDING GLASS DOOR COOLER
L. 1 TRUE GDM-41CPT-48: 48"W X 24.125"D X 48"H
8. MASTER-BILT WALK-IN COOLER:
59'-5 1/2"W X 9'-8"D X 8'-8"H
13 #1000R COOLMASTER DOORS
30" X 75" EACH AND
8 #100FR FREEZEMASTER DOORS
30" X 75" EACH BY ANTHONY
A. 6 DOOR(S): FOR EACH DOOR PROVIDE 4D DISPLAY PLAN DEEP ROLLER MAT SHELVES
B. 7 DOOR(S): FOR EACH DOOR PROVIDE 3'D DISPLAY PLAN ROLLER MAT SHELVES
C. __ DOOR(S): __'D ROLLER CONVEYOR AT FLOOR LEVEL
D. 8 DOOR(S): FOR EACH DOOR PROV'IDE 27"D ANTHONY SHELVES
E. __ DOOR(S): FOR EACH DOOR PROVIDE (2) 27"D ANTHONY SHELVES AND (4) 36"D MERCHANDISER SHELVES
F. __ DOOR(S): __'D DOUBLE DECK ROLLER CONVEYOR
9. ICE CHEST BY VENDOR
10. CART RAILS: (8) RL3635 & (5) RL3035
11. PROVIDE A 6"H JOHNSONITE - CHARCOAL VINYL BASE AT ALL CHECKOUTS; EXCEPT BEAUTY CHECKOUT
12. ELECTRONIC ARTICLE SURVEILLANCE SYSTEM

PHARMACY DEPARTMENT:
13. TRAFFIC CONTROL FIXTURE
A: STANDARD
B: HIGH VOLUME
C: HIGH VOLUME (SMALL)
D: CUSTOM
E: CUSTOM
14. (NOT USED)
15. COMPUTER TERMINAL
15A: INTERCOM PLUS TERMINAL
15C: TRAINING TERMINAL (IN OFFICE)
16. RX SINK AND CABINET
A: PHARMACY
B: CONSULT ROOM
17. CRX CABINET
18. RX REFRIGERATOR
A: 1- DR REFRIGERATOR (19 CU. FT.)
B: 1- DR REFRIGERATOR (26 CU. FT.)
C: 2- DR REFRIGERATOR (49 CU. FT.)
D: UNDER COUNTER REFRIGERATOR
E: COUNTERTOP FREEZER
19. PROVIDE RUBBER TILE FLOOR.
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(39"H)
#7A - RX OPEN INSERT WITH CPU SHELF (34"H)
#8 - RX OPEN CABINET (39"H CNTR)
#9 - RX 10 DRAWER FILE CABINET

OFFICE:
20. PROVIDE POLISHED CONCRETE FLOOR & VINYL WALLCOVERING
21. UNDER COUNTER SHELF UNIT
22. PRINTER
23. LATERAL FILE
24. OFFICE COMPUTERS
24A: P.O.S. TERMINAL
24B: AS400 TERMINAL
24C: OFFICE P.C.
25. TILL LOCKER
26. SAFE
27. (NOT USED)

STOCKROOM:
28. NEST-A-FLEX CONVEYOR
28A: 28"-44"H ADJUSTABLE LEGS
28B: 36"-52"H ADJUSTABLE LEGS
29. GRAVITY CONVEYOR
30. POWER ROLLER CONVEYOR
31. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & POSITIONING OF COMPACTORS
31A: TRASH COMPACTOR
31B: BALER
31C: CARDBOARD COMPACTOR

EMPLOYEE ROOM:
32. EMPLOYEE DIGI LOCKERS:
A: STANDARD SET WITH COAT ROD
B: FLAGSHIP SET WITH COAT RODS
33. 6'-0"W X 2'-2"D EMPLOYEE COUNTER W/ (1) CABINET
34. EMPLOYEE ROOM REFRIGERATOR (PROVIDE 32" CLEARANCE WHEN NEXT TO COUNTER)
35. EMPLOYEE ROOM SINK (IN COUNTER)
36. (NOT USED)

MISCELLANEOUS:
37. "E" - ELECTRICAL OUTLET FOR FUTURE USE
38. VENDOR RACKS: REMOVE BASE DECK & SHOES; (END PANEL TO REMAIN)
39. (NOT USED)
40. NEWSPAPER RACK BY VENDOR
41. PICTURE CARE PLUS TERMINAL

BEAUTY:
42. SKIN CARE & DIABETES LIT HEADER
43. (NOT USED)
44. LIT COSMETICS HEADER (FLAGSHIP, ASCEND & DUANE READE STORES ONLY)
45. LIT GONDOLA END PANEL & FROSTED SHELVES
46. SOLID WHITE BACK PANEL TO BE PROVIDED BY METAL VENDOR
47. NON-LIT HEADER WITH LIT OUTRIGGER
48. LIT OUTRIGGER ONLY
49. SIGN CHANNEL ONLY
50. COTTON END SIGN CHANNEL

INTERIOR BRANDING LEGEND

STANDARD ■ BILINGUAL □ PUERTO RICO □

1A	AISLE MARKER - 10'-0" AFF TO BOTTOM OF SIGN
2A.1	CHECKOUT HANGING SIGN (LARGE) - 8'-0" AFF TO BOTTOM OF SIGN
3H.1	PHOTO HANGING SIGN (LARGE) - 8'-0" AFF TO BOTTOM OF SIGN (NOT INCLUDING MENU BOARD)
4A.1	BEAUTIFUL DIMENSIONAL LETTERS (LARGE)
4B.1	BEAUTIFUL SHELF & LIFESTYLE IMAGES (LARGE)
4D.1	BEAUTIFUL QUOTE DIMENSIONAL LETTERS (LARGE)
5A.2	WELL AT WALGREENS DIMENSIONAL LETTERS (SMALL)
5C	ALOE WALLCOVERING
6A.1	PHARMACY DIMENSIONAL LETTERS (LARGE)
6D	DROP OFF + PICK UP DIMENSIONAL LETTERS
6F	SEE YOUR PHARMACIST DIMENSIONAL LETTERS
6N.1	PHARMACY CROSS (LARGE)
6P.1	NEIGHBORHOOD WALL LIFESTYLE IMAGES PIN-OFF (LARGE)
6Q.1	PHARMACY STATEMENT PIN-OFF (VERTICAL)
6S	WELCOME TO WELL LADDER SIGN
8A.1	EAT WELL DIMENSIONAL LETTERS (LARGE)
8C	ORANGES IMAGE WALLCOVERING
10A	DOOR KIT
10C	EXIT HANGING SIGN - 8'-0" AFF TO BOTTOM OF SIGN
13B	ADA TACTILE SIGN
15A.1	DIGITAL DIMENSIONAL LETTERS (LARGE)
15B.1	DIGITAL POWER ICON (LARGE)

SEE SHEETS A-121 & I-211 FOR INSTALLATION GUIDELINES AND HANGING HEIGHTS

FURNITURE LEGEND

A1.1	GUEST CHAIR	6
A1.2	BARIATRIC GUEST CHAIR	1
A3.1	SIDE CHAIR	8
A4.2	TASK STOOL	1
A5.1	TASK CHAIR (OFFICE)	2
A5.2	TASK STOOL (OFFICE)	1
A6	GUEST STOOL	1
B2	EMPLOYEE ROOM TABLE	1
B3.1	WORKTABLE - 24" X 27"	1
D2	MEDICAL STOOL	1

PROJECT DATA

TYPE		GENERAL SALES	■	MARKET	■
NEW LOCATION	■	PHARMACY	■	SECURITY	[2]
NEW LOCATION EXIST'G BLDG	□	PHOTO	■	24 HOUR STORE	□
REMODEL	□	LIQUOR	□	OTHER	□

SQUARE FOOT AREA SUMMARY

DEPARTMENT		SALES	STOCK	SERVICE	TOTAL EXIST'G	TOTAL NEW
GEN SALES	NEW	7,953	2,324	1002		11,279
	EXIST'G					
MARKET	NEW	900				900
	EXIST'G					
RX	NEW	950		0		950
	EXIST'G					
RX WAIT'G	NEW	451				451
	EXIST'G					
PHOTO	NEW	315				315
	EXIST'G					
BEER& WINE	NEW	100	0	0		100
	EXIST'G					
CLINIC	NEW	0				0
	EXIST'G					
HHC	NEW	0	0	0		0
	EXIST'G					
BSMT	NEW	0	0	0		0
	EXIST'G					
2ND FLOOR	NEW	0	0	0		0
	EXIST'G					
TOTAL NEW		10,669	2,324	1,002		13,995
TOTAL EXST'G						

TOTAL AREA: FIRST FLOOR 13,995 SQ.FT.
TOTAL AREA: OTHER LEVELS SQ.FT.
GROSS AREA INCLUDING ALL DEPARTMENTS & ALL LEVELS: 13,995 SQ.FT.
RX SHELVING LINEAL FEET: 78 LN.FT.

LINEAL FOOTAGE

TOTAL LINEAL FOOTAGE	1,146 ln ft
	PROPOSED
SHELVING	1,039 ln ft
GREETING CARDS	54 ln ft
COOLERS	33 ln ft
FREEZERS	20 ln ft

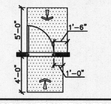
PROMO FOOTAGE

	PROPOSED
END STAND QTY	29 qty
SIDE PANEL QTY	48 qty
TABLE QTY	10 qty
PALLET QTY	3 qty
QUEUEING	18 ln ft
BEAUTY	29 ln ft

SQUARE FOOTAGE

	PROPOSED
STOCK SQ. FT.	1,736 sq ft
HEALTHCARE SQ. FT.	1,267 sq ft
DAILY LIVING SQ. FT.	9,388 sq ft

* A.D.A DOOR CLEARANCES



*ACCESSIBILITY REQUIREMENTS MAY VARY WITH LOCAL JURISDICTIONS & APPROACH TO DOOR SWING

FIXTURE LEGEND

G GONDOLA (EA. SIDE)	1919 D.	36 W.	66 * H.	WT COLOR	ALL OTHER FIXTURES ARE TYPICALLY CALLED OUT DEPTH BY WIDTH.	
GE GONDOLA END	19 D.	47 W.	66 * H.	WT COLOR	EXAMPLE:	
WS WALL SHLVG	19 D.	36 W.	84 * H.	WT COLOR	DT DISPLAY TABLE	30 D.	48 W.

*DOES NOT INCLUDE STANDARDS, WOOD GROUNDS OR FINISHED END PANELS

FIXTURE COLOR LEGEND

WT	WHITE
PT	PUTTY
AB	ARCHITECTURAL BRONZE
TP	TAUPE
GM	GUNMETAL GREY
SR	SILVER

BUSINESS OWNER APPROVAL

		DATE
DAILY LIVING	J. GORMANOUS	07/01/2014
PHARMACY SERVICES	D. MEYER	07/01/2014
BRANDING	D. ABBATACOLA	10/09/2014
STORE OPERATIONS	P. FOLEY	05/27/2014
REGIONAL DESIGN PARTNER	F. LASTNAME	XX/XX/XX
STORE PLANNER	F. LASTNAME	XX/XX/XX

Walgreens
FACILITIES DEVELOPMENT
106 WILMOT ROAD
DEERFIELD, IL 60015-5105

REGISTERED ARCHITECT • CAROLYN G. JAMES • 9411 • SEATTLE, WA • STATE OF OREGON

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 UNDER THE LAWS OF THE STATE OF OREGON AS SIGNIFIED BY MY HAND AND SEAL.

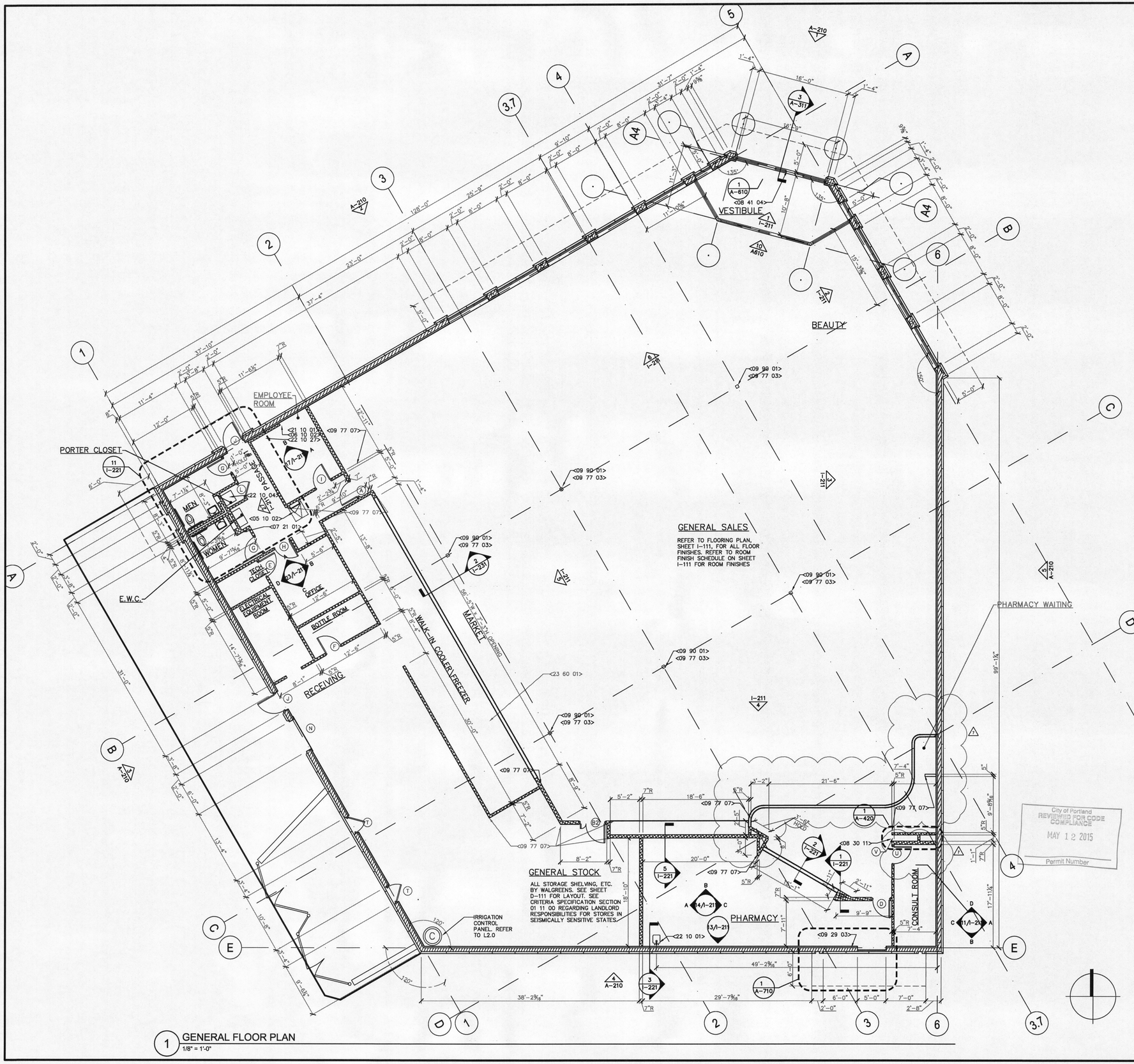
NO.	DATE	BY	DESCRIPTION
			REVISIONS

FIXTURE FLOOR PLAN

PROJECT ID: NXXXXX
STORE NUMBER 16251
WALGREENS
SEC NE 70TH AVENUE & SANDY BLVD
PORTLAND, OREGON

FILE NAME: 16251-D111-06-12MAR15
DRAWN BY: R. AKAMICHI
DATE: 05/19/14
REVIEWED: P.PETROVA

D-111



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

REFERENCED KEYED NOTES

DIVISION 05 – METAL –	
05 10 02	LADDER WITH FRP ON WALL. LADDER TO HAVE CLEAR PATH TO ROOF. COORDINATE WITH ROOF FRAMING. SEE DETAILS ON SHEET ON 13/A530
DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES –	
06 10 02	PLASTIC LAMINATE COUNTER AND CABINETS. CONTRACTOR TO PURCHASE FROM PREMIER EUROCASE. SEE SHEET D-111 FOR LENGTH. SUPPORT COUNTER ON CABINETS BELOW AND WITH CLEATS ALONG WALL. LEAVE 2'-10" CLEAR FOR REFRIGERATOR.
DIVISION 07 – THERMAL AND MOISTURE PROTECTION –	
07 21 01	ISOLATE TOILET ROOMS WITH SOUND ATTENUATION BLANKETS, FULL LENGTH, HEIGHT, AND DEPTH OF WALL (INTERIOR WALLS ONLY).
DIVISION 08 – OPENINGS –	
08 30 04	24" X 36" ACCESS PANEL. SILL AT 10'-0" A.F.F. FOR ACCESS ABOVE COOLER.
08 30 11	ROLLING SECURITY GRILLE. SEE SHEET D-111.
08 41 01	STOREFRONT. SEE INTERIOR AND EXTERIOR ELEVATIONS.
08 41 04	AUTOMATIC SLIDING DOOR ENTRANCE (AS SHOWN) OR AUTOMATIC SWING-OPEN DOOR ENTRANCE (WHEN REQUIRED PER WALGREENS PROJECT FIXTURE PLAN).
DIVISION 09 – FINISHES –	
09 29 03	WALL CHASE IN FURRING FOR WIRING. SEE DRIVE THRU DETAILS.
09 29 06	LEAVE OUT PORTION OF GWB IN 7'-0"W. X 7'-3"H. HEADERED OPENING (OPPOSITE RECEIVING DOOR AND 4'-0" MIN. FROM ANY OPENING) FOR PALLET DELIVERY OF FIXTURES. INFILL WALL AFTER DELIVERY.
09 77 03	STAINLESS STEEL COLUMN WRAP, 4'-0" H. PROVIDE ON ALL SALES AREA COLUMNS (SEAMS TOWARDS GONDOLAS).
09 77 07	3-1/2" X 3-1/2" X 48" HIGH PREFABRICATED CORNER GUARD FOR OUTSIDE CORNERS WITHOUT WAINSCOT SYSTEM CORNER GUARD – STAINLESS STEEL WITH ROUNDED CORNERS.
09 90 08	4'-0" H. 1/4" THICK TEMPERED HARDBOARD GRADE II, SMOOTH ONE SIDE (WHERE NOTED)
09 90 01	SAND STEEL COLUMNS EXPOSED IN SALES AREA TO REMOVE BLEMISHES IN FACTORY APPLIED PRIMER. REPRIME AND PAINT. COLUMNS SHALL BE SMOOTH AND UNIFORM FOLLOWING FINAL PAINTING.
DIVISION 21 – FIRE SUPPRESSION –	
21 10 01	FIRE RISER, REFER TO D-111 FOR EXACT LOCATION AND F-510 FOR REQUIREMENTS.
DIVISION 22 – PLUMBING –	
22 10 01	SK-1, PHARMACY SINK AND CABINET FURNISHED BY WALGREENS.
22 10 04	GWH-1, WATER HEATER ON PLATFORM @ 7'-11" A.F.F.
22 10 27	STAINLESS STEEL SINK.
DIVISION 23 – HVAC – REFRIGERATION –	
23 60 01	WALK-IN COOLER/FREEZER FURNISHED BY WALGREENS. ALL "ROUGH-IN" BY GENERAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.

NOTE:
GRID LINES ARE LOCATED AT INSIDE FACE OF STRUCTURAL BRICK.

PARTITION SCHEDULE, LEGEND, & CEILING DATA

ABBREVIATIONS:

GWB: GYPSUM WALL BOARD
C: TO A MINIMUM OF 3" ABOVE CEILING
R: TO ROOF DECK (OR FLOOR ABOVE)
WR: WATER RESISTANT (ALL PLUMBING WALLS)

	6"X 22 GA. MTL. STUDS, 24" O.C. TO ROOF DECK (SECURED TO ROOF FRAMING) WITH 5/8" FIRECODE GWB EACH SIDE UP TO ROOF DECK, (MINIMUM 1 HOUR AS REQUIRED BY CODE).
	3-5/8"X 22 GA. MTL. STUDS, 24" O.C. TO ROOF DECK (SECURED TO ROOF FRAMING) WITH 5/8" GWB ON EACH SIDE TO ROOF DECK.
	TWO ROWS 3-5/8"X 22 GA. MTL. STUDS, 24" O.C. WITH ALTERNATE STUDS SECURED TO ROOF FRAMING AND OTHERS TO STOP AT CEILING. PROVIDE 5/8" WR GWB BOTH SIDES UP TO CEILING ONLY.

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

REGISTERED ARCHITECT
CAROLYN G. JONES
6411
STATE OF OREGON
SEATTLE, WA

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced or used in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2
ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 MulvannyG2.com

NO.	DATE	BY	DESCRIPTION
	08.15.14	MB	PERMIT SUBMITTAL
1	10.24.14	SF	WALGREENS REDLINE REVISIONS
	11.14.14	CD	BID SUBMITTAL
2	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
	01.12.15	CD	CONSTRUCTION SUBMITTAL
	03.30.15	CD	PERMIT RESUBMITTAL

REVISIONS

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

FLOOR PLAN

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: S.FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE M. TAUSHER

A-111

CLINTON DOVE 3/27/2015 8:59 AM H:\REVIT\WALGREENS\1\1-1-0152-01A_NE SANDY_LANDLORD REAL ESTATE\OPDAV\DSDWGTDOCS\16251-A111

1 SIDE WALK PLAN
1/8" = 1'-0"

REFERENCED KEYED NOTES

DIVISION 03 – CONCRETE –	
03 30 02	CONCRETE WALK WITH TOOLED CONTROL JOINTS (5' MAX EACH WAY), AND BROOM FINISH.
03 30 24	PERIMETER OF ALL ASPHALT TO RECEIVE CONCRETE CURB.
03 30 25	CONCRETE APRON TO D.O.T. SPECIFICATIONS. CURB CUT DIMENSION MUST ACCOMMODATE 65 FOOT TRACTOR/TRAILER WITHOUT ROLLING ONTO CURB. SEE SITE PLAN CRITERIA NOTE #8, THIS SHEET. DIVIDE DRIVEWAY INTO LANES WITH STRIPING.
03 30 26	LINE OF CONCRETE PAD.
03 30 28	ACCESSIBLE CURB RAMP WITH DETECTABLE WARNING ALONG ACCESSIBLE ROUTES (TYP.). WHEN SLOPE IS LESS THAN 5%, ONLY 36" OF DETECTABLE WARNING SURFACE IS REQUIRED.
03 30 29	TOP OF SIGN FOUNDATION TO BE AT TOP OF STREET CURB HEIGHT (MIN.).
03 30 30	ALL END ISLANDS TO BE 4'–0" LESS THAN STALL DEPTH. WHERE FULL DEPTH ISLAND IS REQUIRED, DETAIL ROLLOVER CURB AND CONCRETE FILL END OF ISLAND 4'–0".
03 30 32	WALKS WITHOUT COLUMNS CAN BE 8'–0"W. WALKS WITH COLUMNS SHALL PROVIDE 5'–0" CLEAR TO BUILDING AND 2'–6" CLEAR TO EDGE OF CURB.
03 30 33	DETECTABLE WARNING SURFACE, 36" DEEP.
03 30 34	ISLAND WITH 6" CURB.
03 30 37	PAD MOUNTED TRANSFORMER WITH BOLLARDS. (COORDINATE ANY OTHER LOCATIONS WITH WALGREENS PROJECT ARCHITECT).
03 30 38	SEVEN–BIKE TUBULAR STEEL BIKE RACK. ALLOW FOR 5' ACCESS AISLE BEYOND PARKING AREA, BOTH SIDES OF RACK. SEE 4/C–510.
03 30 39	7'–3" X 8'–8" MINIMUM ALLOWABLE AREA FOR SEVEN–BIKE PARKING.
DIVISION 04 – MASONRY –	
04 20 05	TOTE ENCLOSURE.
DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES –	
06 10 18	PRIVACY FENCE. SEE SITE PLAN CRITERIA NOTE #3.
06 10 35	TOTE ENCLOSURE.
DIVISION 10 – SPECIALTIES –	
10 14 62	12" X 18" "DO NOT BLOCK ENTRANCE" SIGN. SEE DETAIL 8/C–510. ORIENT FACE OF SIGN ADJACENT TO ON COMING TRAFFIC.
10 14 63	MINIMUM 24" OCTAGONAL REFLECTIVE STEEL STOP SIGN (SET BACK CLEAR OF TRAFFIC). SEE DETAIL 8/C–510. AT DRIVE–THRU: ALIGN EDGE OF STOP SIGN WITH EDGE OF 1'–0" CURB AT DRIVE–THRU.
10 14 64	ACCESSIBLE PARKING SIGN. SEE SHEET C–520.
10 14 65	READERBOARD PYLON SIGN. CONCRETE BASE FOR SIGN TO BE INSTALLED AS SOON AS POSSIBLE. ORIENT PERPENDICULAR TO MAJOR TRAFFIC STREET. SEE SHEET A–720. PROVIDE CONCRETE PAVERS AT PYLON SIGN WITH MANUAL READERBOARDS.
DIVISION 26 – ELECTRICAL –	
26 10 74	PAD MOUNTED TRANSFORMER WITH BOLLARDS. (COORDINATE ANY OTHER LOCATIONS WITH WALGREENS PROJECT ARCHITECT).
DIVISION 32 – EXTERIOR IMPROVEMENTS –	
32 12 13	LIMIT OF HEAVY–DUTY ASPHALT PAVING.
32 12 16	PROVIDE LANE DIVIDERS AND DIRECTIONAL ARROWS AT ALL DRIVES AND END OF DRIVE AISLES.
32 12 17	ENTRY BOLLARDS WITH POLYETHYLENE COVERS 5'–4" CLEAR MAX.
32 12 18	ASPHALT PAVING.
32 12 19	YELLOW PAINT STRIPING (TYPICAL). BLACK OUTLINE ON CONCRETE PAVEMENT.
32 12 20	SEVEN–BIKE TUBULAR STEEL RACK (SEE SPECIFICATIONS) SET IN THICKENED SLAB WITH 6" MINIMUM COVER ALL AROUND. SEE 4/C–510.
32 12 21	7'–3" X 8'–8" MINIMUM ALLOWABLE AREA FOR SEVEN–BIKE PARKING.
DIVISION 33 – UTILITIES –	
33 10 01	GAS METER.
33 10 02	STORM CATCH BASINS AND GRATED MANHOLES TO BE 40' MINIMUM AWAY FROM 2% ACCESSIBLE PARKING ZONE AND ACCESSIBLE ROUTES.

Walgreens
FACILITIES PLANNING AND ENGINEERING
1106 WILMOT ROAD
DEERFIELD, IL 60015-5105

REGISTERED ARCHITECT • CAROLYN G. JONES 6111 • SEATTLE WA • STATE OF OREGON

CAROLYN G. JONES
ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	REVISIONS
	03.30.15	CD	PERMIT RESUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
	11.14.14	CD	BID SUBMITTAL
2	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
1	10.24.14	SF	WALGREENS REDLINE REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL

SIDEWALK PLAN

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

A-112

CLINTON DOVE 3/27/2015 8:59 AM P:\RETAIL\WALGREENS\14-0152-01A_NE SANDY_ENCORE REAL ESTATE\07CAD\70DCONSTDOCS\V2251-A112

REFERENCED KEYED NOTES

DIVISION 08 – OPENINGS –	
08 30 02	ACCESS PANEL WITH KEYED LOCK (BY GENERAL CONTRACTOR).
08 30 03	COORDINATE ACCESS PANEL LOCATIONS TO NOT INTERFERE WITH TOILET PARTITIONS OR EQUIPMENT BELOW.
08 30 04	24" X 36" ACCESS PANEL. SILL AT 10'–0" A.F.F. FOR ACCESS ABOVE COOLER.
DIVISION 09 – FINISHES –	
09 29 11	CASED OPENING. SEE INTERIOR ELEVATIONS.
DIVISION 10 – SPECIALTIES –	
10 14 01	HANGING SIGN BY WALGREENS. SEE D–111 & I–211.
10 14 02	WALL MOUNTED SIGN BY WALGREENS. SEE D–111 & I–211.
10 14 03	"SECURITY CAMERA" SIGNAGE; HUNG AT THE 19" CCTV DOMES, 5" CCTV MULTI–POSITION GLOBES, AND EXPOSED CAMERA. FURNISHED AND INSTALLED BY WALGREENS.
DIVISION 28 – ELECTRONIC SAFETY AND SECURITY –	
28 23 01	PERSONAL VIEW MONITOR POSITIONED ON AISLE CENTERLINES.

UNLESS OTHERWIZE NOTED, LIGHTS SHOULD BE CENTERED IN ROOM

UNLESS OTHERWIZE NOTED, ACP CEILINGS SHOULD BE CENTERED IN ROOM

5 PHARMACY SOFFIT DETAIL
1/4" = 1'-0"

EMPLOYEE ROOM
GWB @ 9'–0" A.F.F. ON CHANNEL CEILING JOISTS FOR SERVICE ACCESS

PASSAGE #1
EXPOSED CEILING; SUSPENDED LIGHTING FIXTURES @ 9'–0" A.F.F. SEE DETAIL 3/I–231

PORTER CLOSET
GWB @ 7'–3" A.F.F. ON CHANNEL CEILING JOISTS

MEN
GWB @ 8'–0" A.F.F. ON CHANNEL CEILING JOISTS FOR SERVICE ACCESS

F.W.C.
GWB @ 6'–10" A.F.F.

WOMEN
GWB @ 8'–0" A.F.F. ON CHANNEL CEILING JOISTS FOR SERVICE ACCESS

OFFICE
A.C.T. @ 9'–6" A.F.F.

TECH CLOSET
EXPOSED CEILING; SUSPENDED LIGHTING FIXTURES @ 14'–0" A.F.F

ELECTRICAL AREA
EXPOSED CEILING; SUSPENDED LIGHTING FIXTURES @ 14'–0" A.F.F., SEE DETAIL 3/I–231

BOTTLE ROOM
EXPOSED CEILING; SUSPENDED LIGHTING FIXTURES @ 14'–0" A.F.F

WALK–IN COOLER/FREEZER
EXPOSED CEILING; SUSPENDED LIGHTING FIXTURES @ 14'–0" A.F.F., SEE DETAIL 3/I–231

GENERAL SALES
EXPOSED CEILING; LIGHTING FIXTURES @ 13'–0" A.F.F., SEE DETAIL 3/I–231

GENERAL STOCK
EXPOSED CEILING; SUSPENDED LIGHTING FIXTURES @ 14'–0" A.F.F., SEE DETAIL 3/I–231

PHARMACY
A.C.T. @ 10'–6" A.F.F.

PHARMACY WAITING
A.C.T. @ 10'–6" A.F.F.

CONSULT ROOM
A.C.T. @ 8'–0" A.F.F.

SOFFIT @ 9'–6" A.F.F.

SOFFIT @ 7'–6" A.F.F.

<10 14 01>
<10 14 02>
(TYP.)
FROM GRID 6
FROM GRID E

*BOTTOM OF SIGN AT 10'–0" A.F.F.

1 AISLE MARKER DETAIL
1/2" = 1'-0"

*BOTTOM OF SIGN AT 8'–0" A.F.F.

2 CHECK OUT SIGN DETAIL
1/4" = 1'-0"

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

DRAWING LEGEND

- SUPPLY AIR
- RETURN OR EXHAUST AIR
- TRACK LIGHTING
- FLUORESCENT LIGHTING – SEE LIGHTING SCHEDULE ON E–520 FOR FIXTURES
- SLOT LIGHT
- WALL MOUNTED LIGHT
- EXIT LIGHTING
- CAN LIGHT
- RECESSED LIGHT
- SPEAKER
- SPEAKER WITH INTEGRATED VOLUME CONTROL
- 5" CCTV MULTI–POSITIONAL GLOBE
- PERSONAL VIEW MONITOR
- CONCEALED SPRINKLER HEAD (16' X 16' MAXIMUM SPACING)

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED ARCHITECT • CAROLYN G. JONES 6111 • SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | Mulvanny G2.com

NO.	DATE	BY	REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL
3	10.24.14	SF	WALGREENS REDLINE REVISIONS
2	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
	11.14.14	CD	BID SUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
1	03.30.15	CD	PERMIT RESUBMITTAL

REFLECTED CEILING PLAN

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

DRAWN BY: S. FLODIN

DATE: 10.24.14

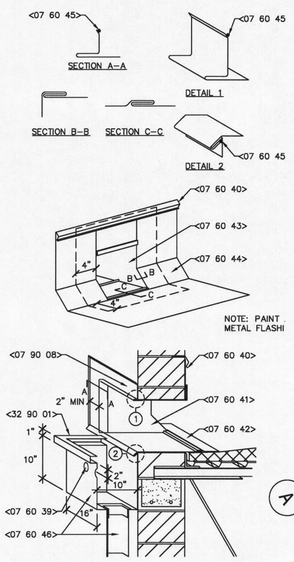
REVIEWED: C. DOVE, M. TAUSHER

A-121

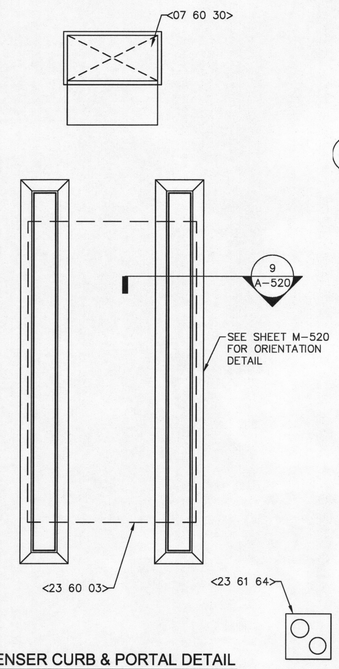
CLINTON DORE 3/27/2015 8:59 AM P:\PETAS\WALGREENS\14-0152-01A_NE SANDY BLVD & NE 70TH\CAD\CONSTRUCTION\A121.DWG

REFERENCED KEYED NOTES

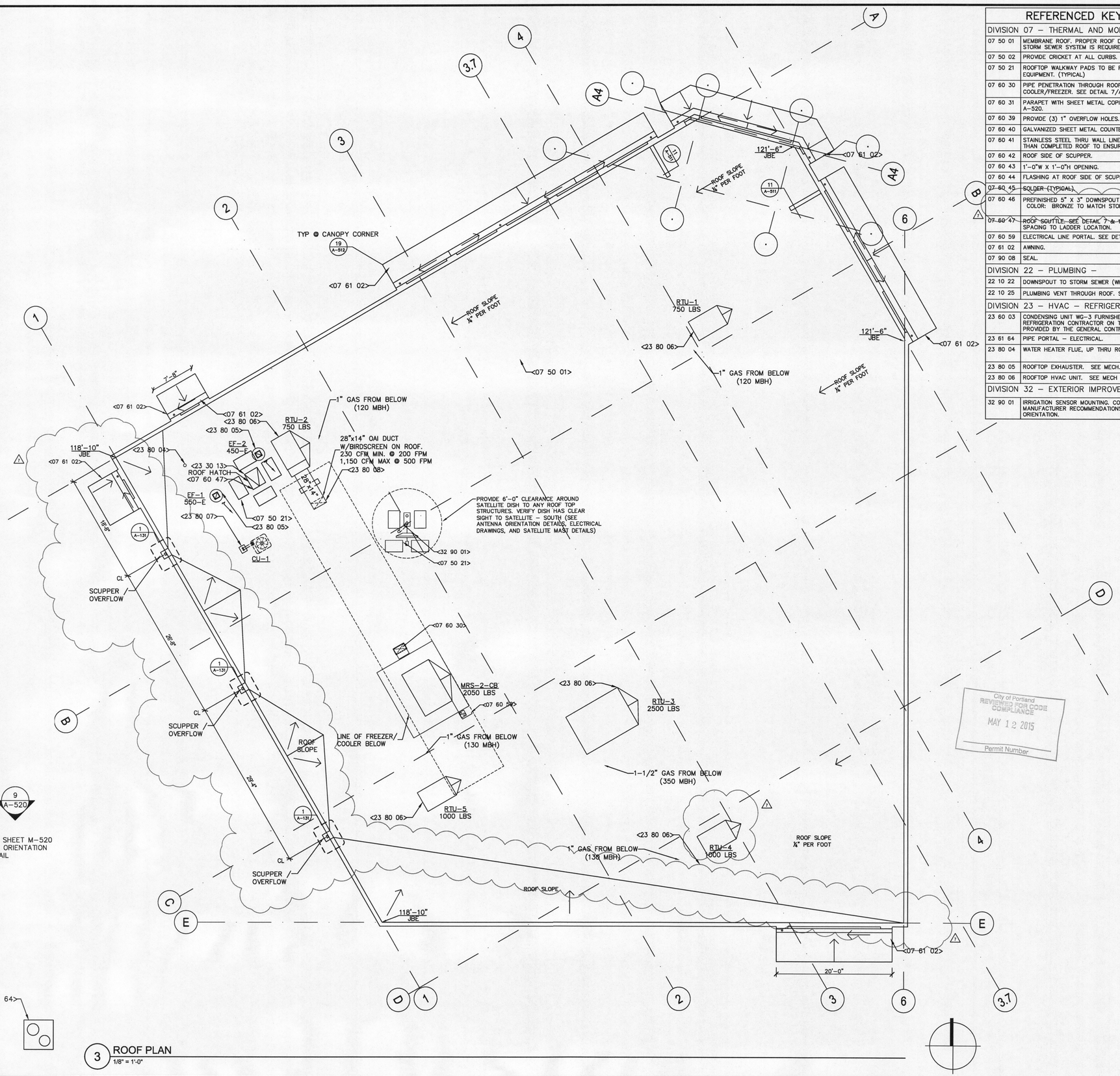
DIVISION 07 – THERMAL AND MOISTURE PROTECTION –	
07 50 01	MEMBRANE ROOF. PROPER ROOF DRAINAGE WITH DISCHARGE TO STORM SEWER SYSTEM IS REQUIRED.
07 50 02	PROVIDE CRICKET AT ALL CURBS.
07 50 21	ROOFTOP WALKWAY PADS TO BE PLACED AROUND ALL ROOFTOP EQUIPMENT. (TYPICAL)
07 60 30	PIPE PENETRATION THROUGH ROOF DIRECTLY OVER COOLER/FREEZER. SEE DETAIL 7/A–520.
07 60 31	PARAPET WITH SHEET METAL COPING. SEE SHEET A–510 AND A–520.
07 60 39	PROVIDE (3) 1" OVERFLOW HOLES.
07 60 40	GALVANIZED SHEET METAL COUNTERFLASHING.
07 60 41	STAINLESS STEEL THRU WALL LINER. BOTTOM OF OPENING LOWER THAN COMPLETED ROOF TO ENSURE DRAINAGE.
07 60 42	ROOF SIDE OF SCUPPER.
07 60 43	1'–0"W X 1'–0"H OPENING.
07 60 44	FLASHING AT ROOF SIDE OF SCUPPER.
07 60 45	SOLDER (TYPICAL)
07 60 46	PREFINISHED 5" X 3" DOWNSPOUT AND 18" X 10" X 10" RECEIVER. COLOR: BRONZE TO MATCH STOREFRONTS
07 60 47	ROOF SCUTTLE. SEE DETAIL 7 & 10/A–530. COORDINATE JOIST SPACING TO LADDER LOCATION.
07 60 59	ELECTRICAL LINE PORTAL. SEE DETAIL ON A–520.
07 61 02	AWNING.
07 90 08	SEAL.
DIVISION 22 – PLUMBING –	
22 10 22	DOWNSPOUT TO STORM SEWER (WHEN USED).
22 10 25	PLUMBING VENT THROUGH ROOF. SEE DETAIL 8/A–520.
DIVISION 23 – HVAC – REFRIGERATION –	
23 60 03	CONDENSING UNIT WG–3 FURNISHED BY WALGREENS, INSTALLED BY REFRIGERATION CONTRACTOR ON THE ROOF CURB. THE ROOF CURB PROVIDED BY THE GENERAL CONTRACTOR.
23 61 64	PIPE PORTAL – ELECTRICAL.
23 80 04	WATER HEATER FLUE, UP THRU ROOF, FULL SIZE. SEE MECH.
23 80 05	ROOFTOP EXHAUSTER. SEE MECH.
23 80 06	ROOFTOP HVAC UNIT. SEE MECH
DIVISION 32 – EXTERIOR IMPROVEMENTS –	
32 90 01	IRRIGATION SENSOR MOUNTING. COORDINATE LOCATION PER MANUFACTURER RECOMMENDATIONS AND JOB SPECIFIC BUILDING ORIENTATION.



1 SCUPPER DETAILS
N.T.S.



2 CONDENSER CURB & PORTAL DETAIL
1-1/2" = 1'-0"



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

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED ARCHITECT • CAROLYN G. JONES 6111 • SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	REVISIONS
	03.30.15	CD	PERMIT RESUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
	11.14.14	CD	BID SUBMITTAL
2	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
1	10.24.14	SF	WALGREEN'S REDLINE REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL

ROOF PLAN & DETAILS

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

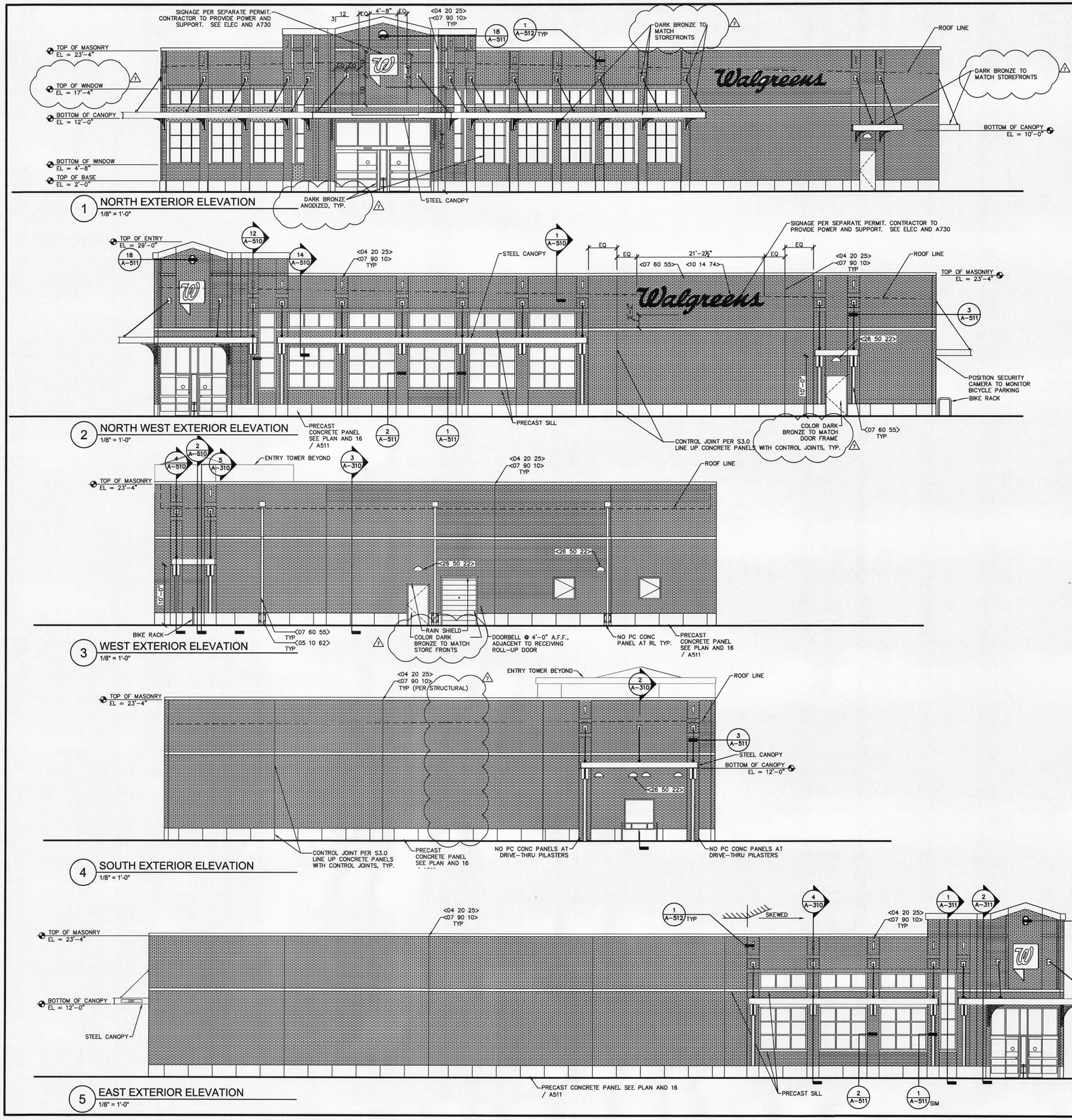
DRAWN BY: S.FLODIN

DATE: 10.24.14

REVIEWED: C.DOVE, M.TAUSHER

A-131

CUSTOM_DOC: 4/27/2015 8:59 AM \\VSETA\WALGREENS\2014-0152-01A_NE SANDY_ENCORE REAL ESTATE\07CAD*DESIGNSTDOCS\16251-A131



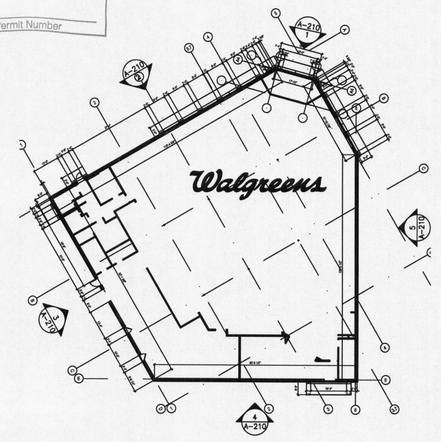
REFERENCED KEYED NOTES

DIVISION 04 – MASONRY –	
04 20 25	CONTROL JOINT WITH BACKER ROD AND SEALANT – COLOR TO MATCH ADJACENT MATERIAL.
DIVISION 05 – METAL –	
05 10 62	⅛" THICK BENT STEEL PLATE (TO PROTECT DOWNSPOUT). BOLTED TO MASONRY. COPE AROUND BULLNOSE. COLOR TO MATCH DOWNSPOUT.
DIVISION 07 – THERMAL AND MOISTURE PROTECTION –	
07 60 37	SLOPED SHEET METAL PARAPET CAP
07 60 55	PREFINISHED SHEET METAL, GUTTERS, AND DOWNSPOUTS. COLOR DARK BRONZE TO MATCH STOREFRONTS
07 90 10	~~CONTROL JOINT W/ BACKER ROD AND SEALANT – COLOR TO MATCH ADAJACENT MATERIAL.~~
DIVISION 10 – SPECIALTIES –	
10 14 74	RED "WALGREENS" SCRIPT SIGN, INTERNALLY ILLUMINATED. SEE DETAILS ON SHEET A–730.
10 14 75	INDIVIDUAL LETTER SIGN. SEE SHEET A–730.
10 14 76	BOX SIGN. SEE SHEET A–730.
10 14 80	BOTTOM OF LOWER CASE LETTERS TO BE A MINIMUM OF 18" BELOW ROOF LINE; OR SIGN TO BE MOUNTED ON RACEWAY TO AVOID ROOF MEMBRANE PENETRATION. PAINT RACEWAY TO MATCH BRICK.
DIVISION 22 – PLUMBING –	
22 10 12	WH–1, WALL HYDRANT.
DIVISION 26 – ELECTRICAL –	
26 10 72	JUNCTION BOX FOR RED BOX. FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
26 50 22	WALL–MOUNTED LIGHT. SEE ELECTRICAL DRAWING.
DIVISION 32 – EXTERIOR IMPROVEMENTS –	
32 12 01	YELLOW DELINEATION POSTS AT DRIVE–UP WINDOW. FASTEN TO CONCRETE WITH BOLTS.
32 12 02	SECURITY BOLLARD W/ GRAY POLYETHYLENE COVER WHEN WALK ADJOINS DRIVE (USED WHEN PERIMETER BOLLARDS ARE ABSENT).

SIGN AREA SUMMARY

NORTH ELEVATION	
5'–6 3/8" 'W' SIGN	43.1 SF
SUBTOTAL	43.1 SF
NORTH WEST ELEVATION	
25'–11 1/2" WALGREENS SCRIPT SIGN	78.0 SF
SUBTOTAL	78.0 SF
TOTAL BUILDING SIGNAGE	121.1 SF

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number



5 KEY PLAN
NTS

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

REGISTERED ARCHITECT
CAROLYN G. JONES 6111
SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.453.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	DESCRIPTION
			PERMIT RESUBMITTAL
3	03.30.15	CD	CONSTRUCTION SUBMITTAL
	01.12.15	CD	BID SUBMITTAL
	11.14.14	CD	PERMIT PLAN CHECK REVISIONS
2	10.24.14	SF	WALGREENS REDLINE REVISIONS
1	10.24.14	SF	PERMIT SUBMITTAL
	08.15.14	MB	

REVISIONS

EXTERIOR ELEVATIONS

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

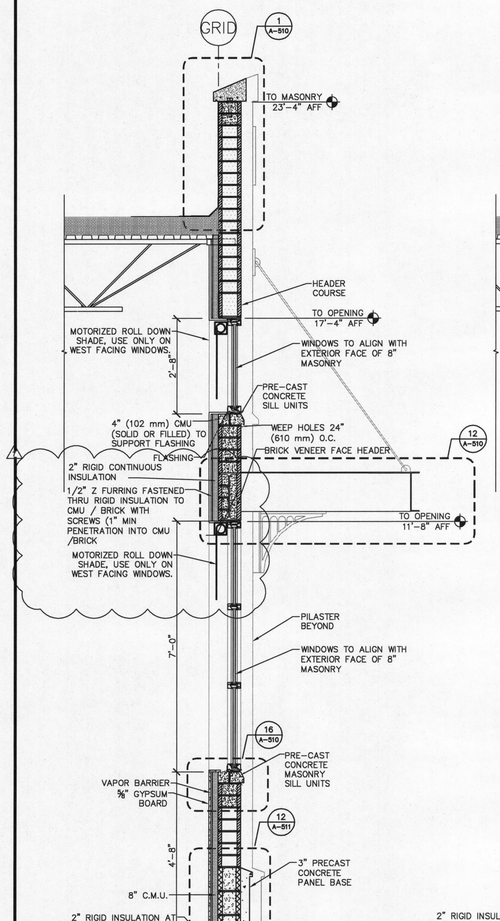
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

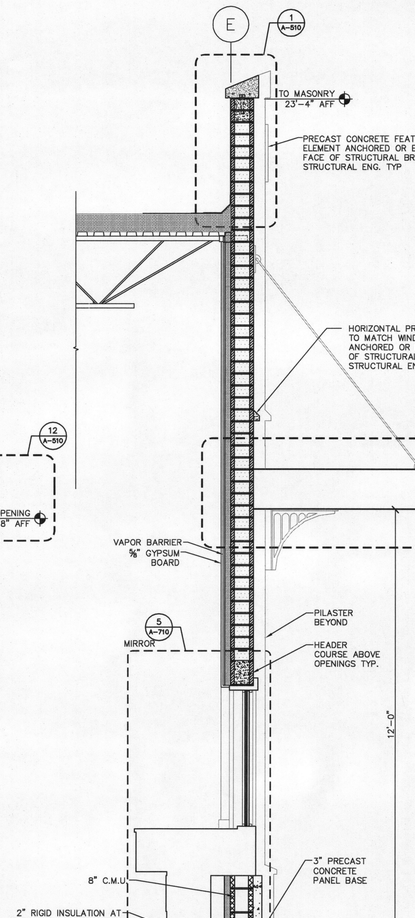
A-210

CLINTON DOVE 7/27/2015 8:59 AM R:\DETAIL\WALGREENS\1414-0152-01A_NE SANDY_LINCOLN REAL ESTATE\07CAD\17DOCS\16251-A210

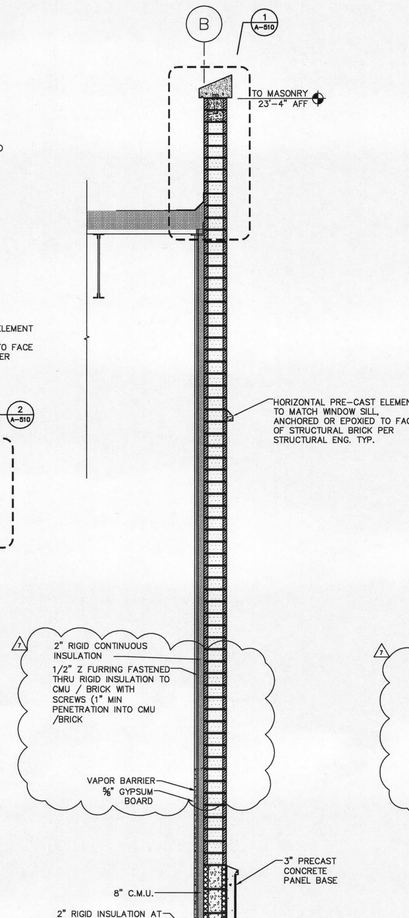
NOTE:
GRID LINES ARE LOCATED AT INSIDE FACE OF STRUCTURAL BRICK.



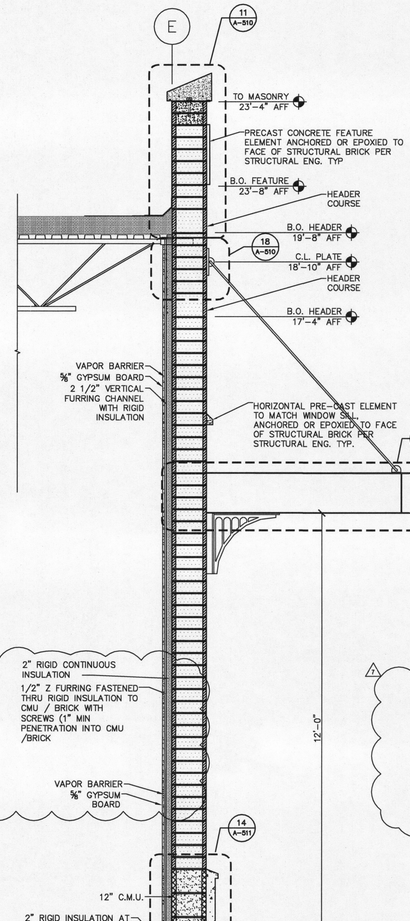
1 SECTION AT WINDOW
1/2" = 1'-0"



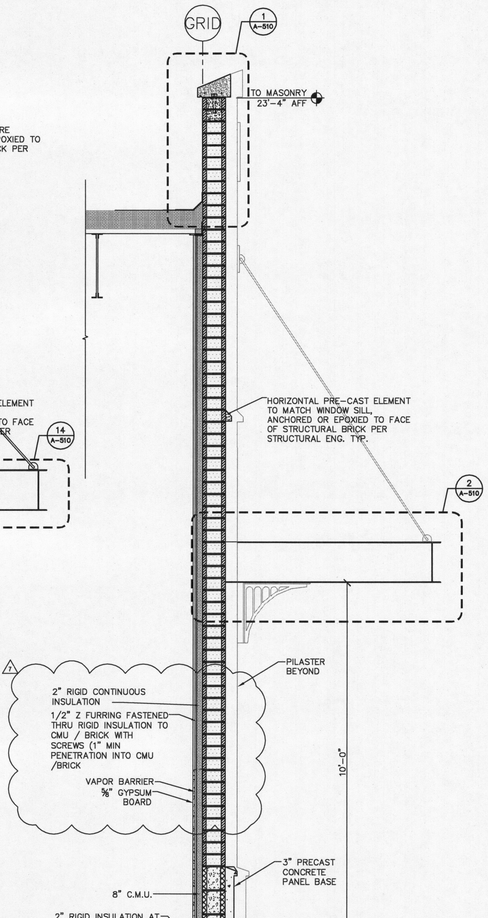
2 SECTION AT DRIVE THRU
1/2" = 1'-0"



3 SECTION AT BRICK, TYP
1/2" = 1'-0"



4 SECTION AT PILASTER
1/2" = 1'-0"



5 SECTION AT BICYCLE RACK
1/2" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED ARCHITECT
CAROLYN G. JONES
6511
SEATTLE, WA
STATE OF OREGON

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced, stored in or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL
2	10.24.14	SF	WALGREENS REDLINE REVISIONS
	11.14.14	CD	PERMIT PLAN CHECK REVISIONS
	01.12.15	CD	BID SUBMITTAL
1	03.30.15	CD	CONSTRUCTION SUBMITTAL
			PERMIT RESUBMITTAL

EXTERIOR WALL SECTION

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

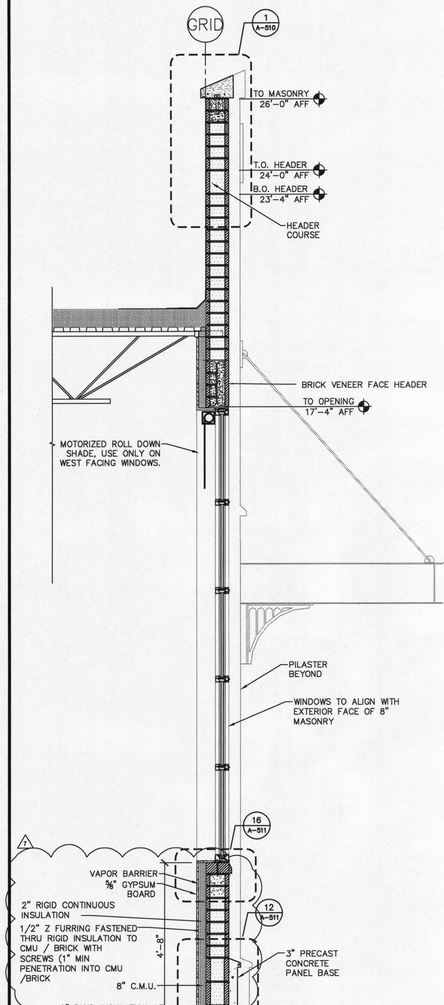
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

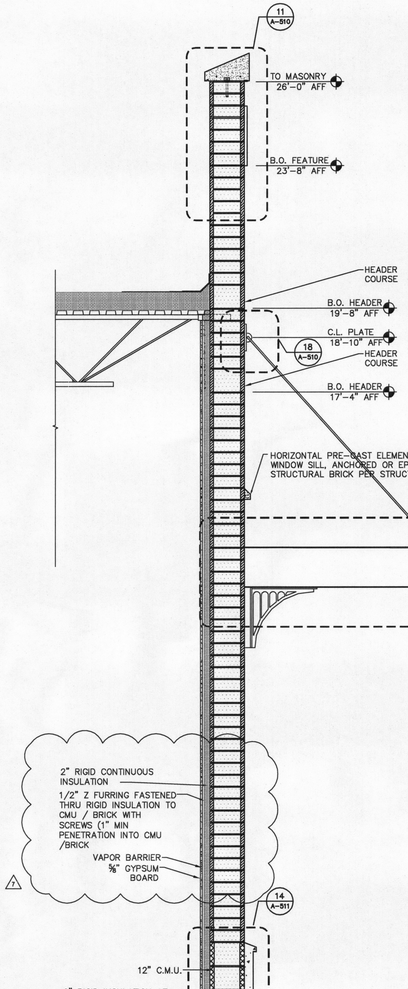
A-310

CLINTON DOVE 4/20/2015 8:07 PM P:\VEITA\WALGREENS\14-0152-01A_NE SANDY BLVD & NE 70TH AVE. REAL ESTATE\CAD\CD\SCD\STOCK\16251-A310

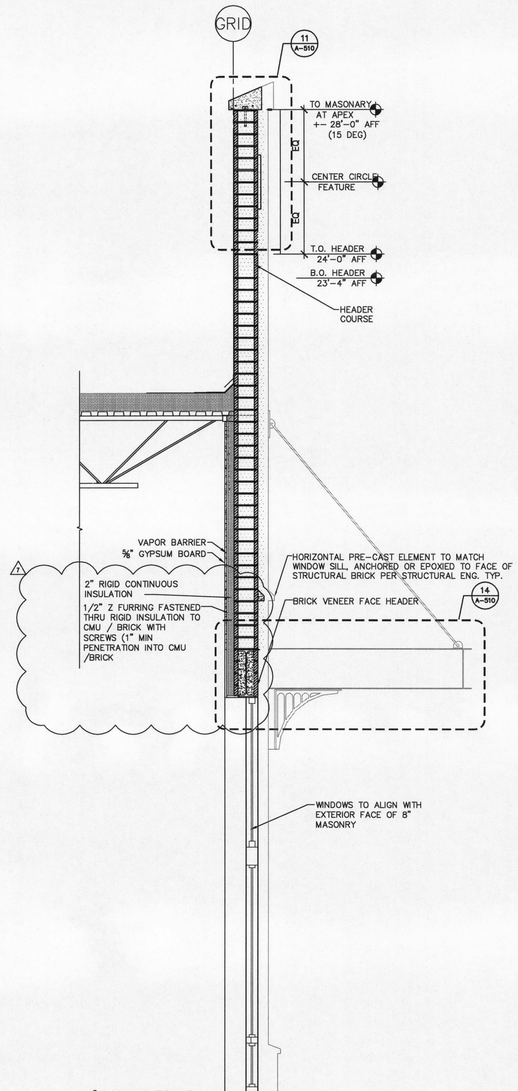
NOTE:
GRID LINES ARE LOCATED AT INSIDE FACE OF STRUCTURAL BRICK.



1 SECTION AT TOWER WINDOW
1/2" = 1'-0"



2 SECTION AT TOWER PILASTER
1/2" = 1'-0"



3 SECTION AT FRONT TOWER
1/2" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED ARCHITECT • CAROLYN G. JONES 6111 • SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES,
ARCHITECT

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | Mulvanny G2.com

© MulvannyG2 Architecture:
All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

NO.	DATE	DESCRIPTION
	03.30.15	CD PERMIT RESUBMITTAL
	01.12.15	CD CONSTRUCTION SUBMITTAL
	11.14.14	CD BID SUBMITAL
1	10.24.14	SF PERMIT PLAN CHECK REVISIONS
2	10.24.14	SF WALGREENS REDLINE REVISIONS
	08.15.14	MB PERMIT SUBMITTAL

REVISIONS

EXTERIOR WALL SECTION

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

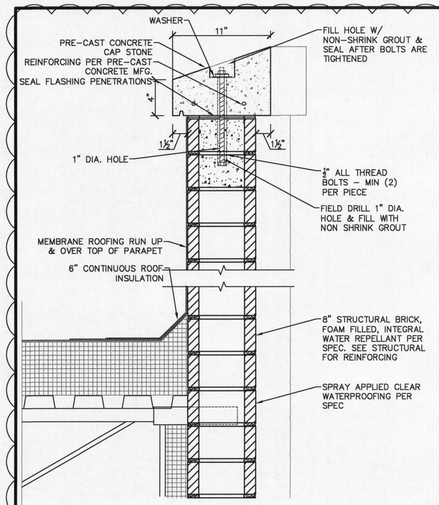
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

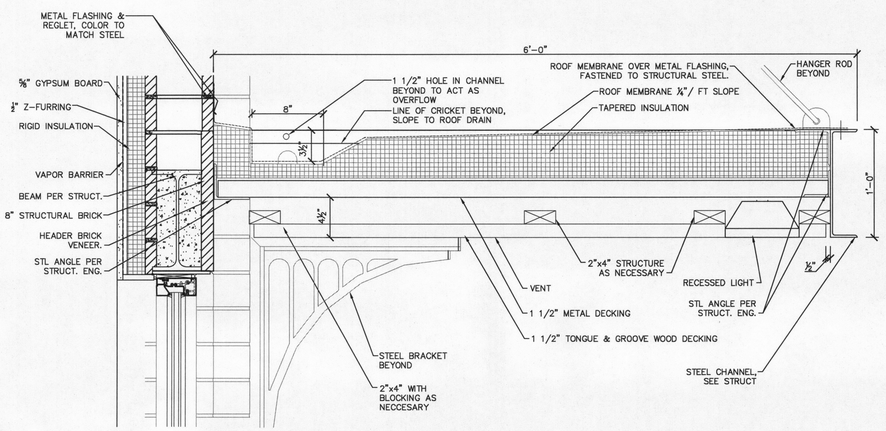
DRAWN BY: S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

A-311

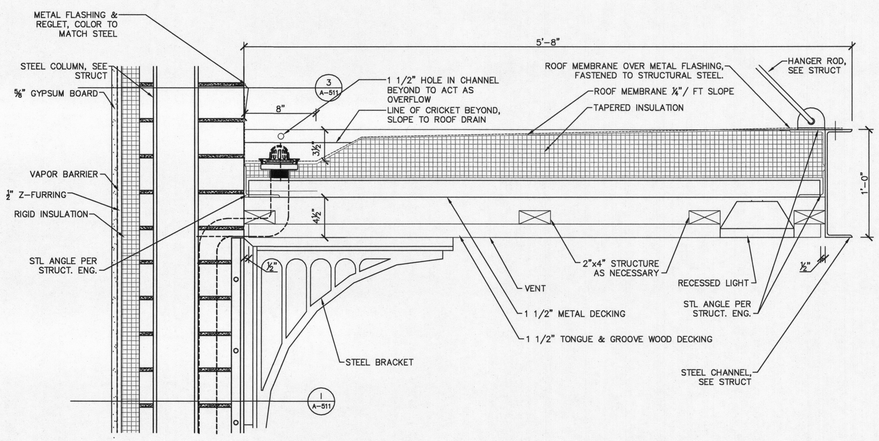
CLINTON DOVE 4/20/2015 6:08 PM P:\VETAS WALGREENS\VA14-0152-01A_NE SANDY_OREGON\REAL ESTATE\PROJ\CD\CDCONSTDOCS\VA25-A311



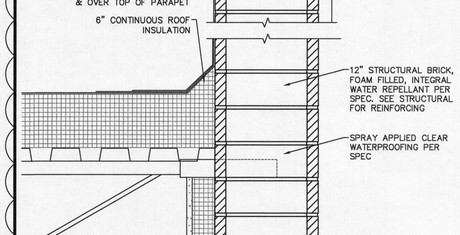
1 BRICK AND CONCRETE COPING DETAIL
1-1/2" = 1'-0"



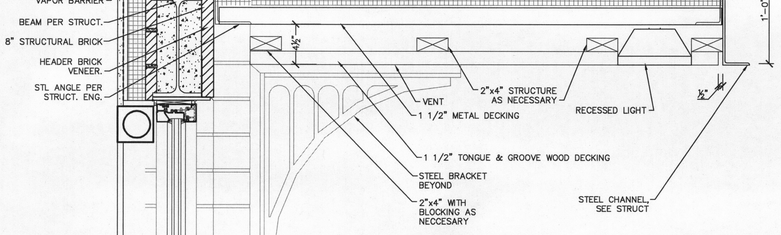
2 CANOPY DETAIL AT WALL
1-1/2" = 1'-0"



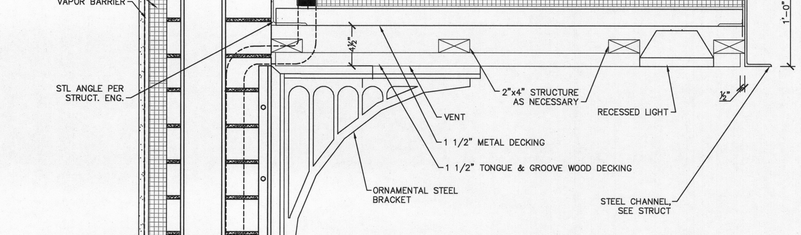
4 CANOPY DETAIL AT PILASTER
1-1/2" = 1'-0"



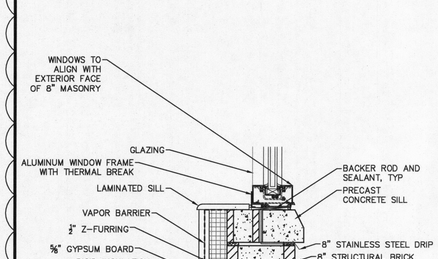
11 BRICK AND CONCRETE COPING DETAIL AT PILASTER
1-1/2" = 1'-0"



12 CANOPY DETAIL AT WALL
1-1/2" = 1'-0"

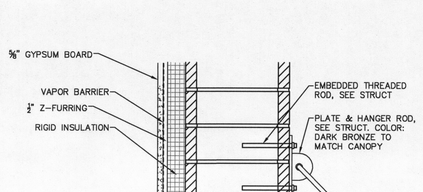


14 CANOPY DETAIL AT PILASTER
1-1/2" = 1'-0"

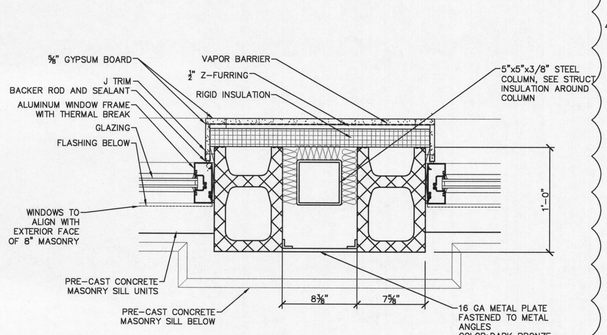


16 BRICK AND CMU SILL DETAIL
1-1/2" = 1'-0"

17 NOT USED
1-1/2" = 1'-0"



18 CANOPY HANGER DETAIL
1-1/2" = 1'-0"



20 PILASTER DETAIL: FALSE DOWNSPOUT
1-1/2" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED ARCHITECT
CAROLYN G. JONES
6114
SEATTLE, WA
STATE OF OREGON

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	DESCRIPTION
	08.15.14	MB	PERMIT SUBMITTAL
	10.24.14	SF	WALGREENS REDLINE REVISIONS
	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
	11.14.14	CD	BID SUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
1	03.30.15	CD	PERMIT RESUBMITTAL

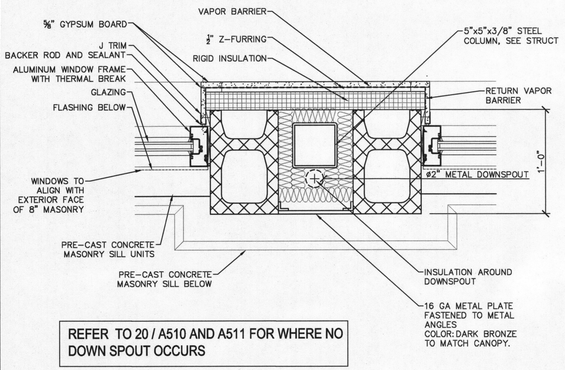
REVISIONS

EXTERIOR WALL DETAILS
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

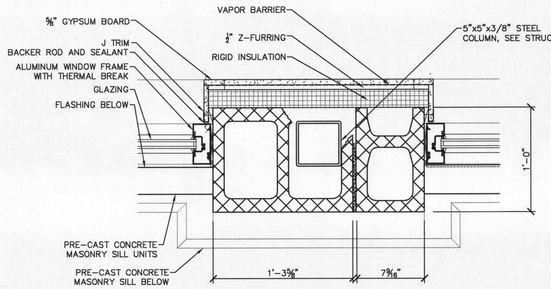
FILE NAME:
DRAWN BY: S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

A-510

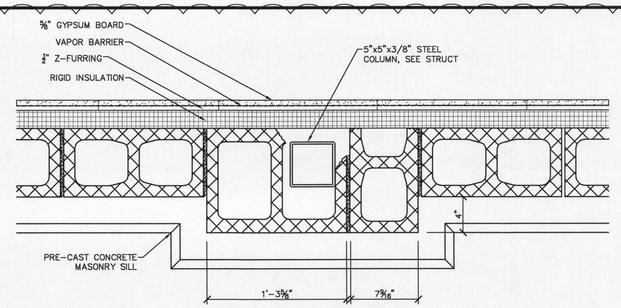
CLINTON DOVE ▼ 5/5/2015 5:57 PM H:\VETAL\WALGREENS\1A1\1-0152-01A_NE SANDY,OREGON REAL ESTATE\DWG\VDS\CONSTDOCS\VDS1-A510



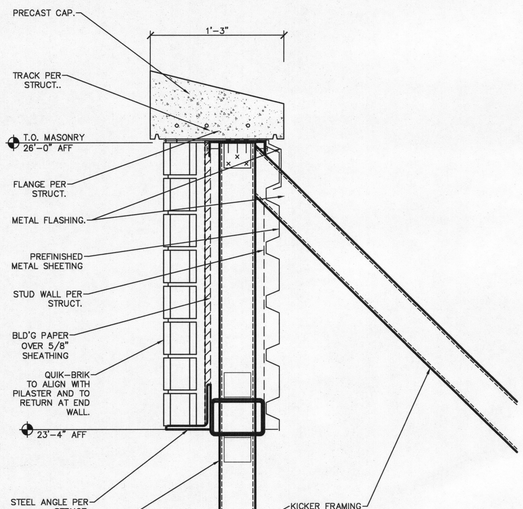
1 PILASTER DETAIL AT DOWNSPOUT
1-1/2" = 1'-0"



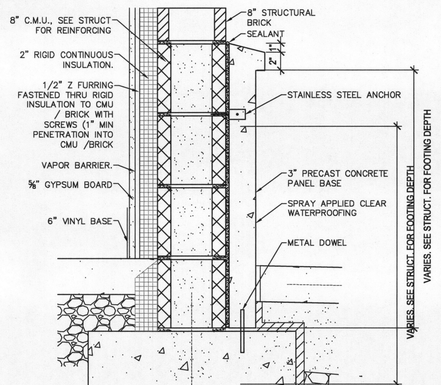
2 PILASTER BRICK DETAIL AT WINDOWS
1-1/2" = 1'-0"



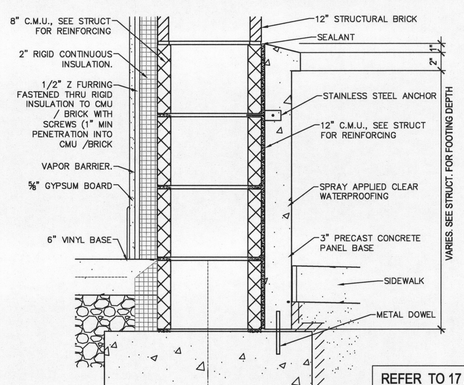
3 PILASTER BRICK DETAIL
1-1/2" = 1'-0"



11 PONY WALL ABOVE ROOF DETAIL
1-1/2" = 1'-0"

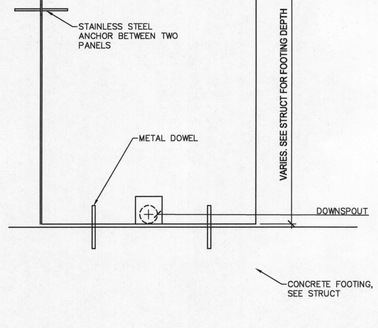


12 BRICK AND CMU BASE DETAIL
1-1/2" = 1'-0"

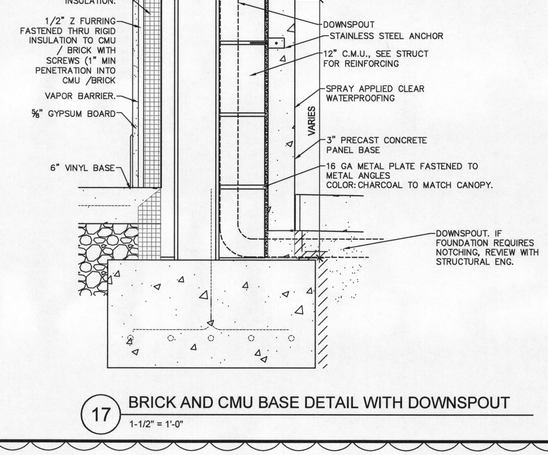


REFER TO 17 / A511 FOR WHERE DOWN SPOUT OCCURS

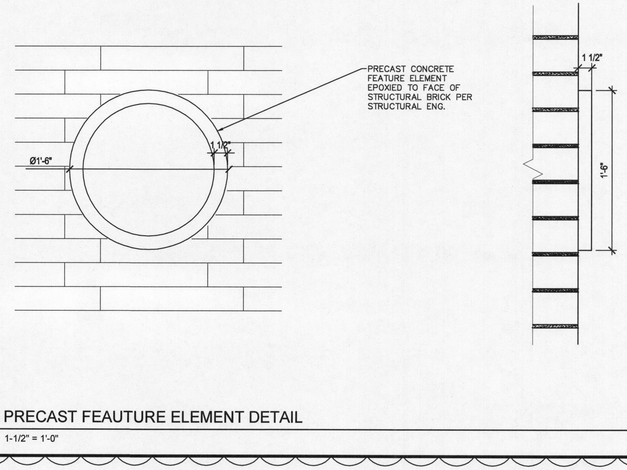
14 BRICK AND CMU BASE DETAIL
1-1/2" = 1'-0"



16 PRECAST PANEL DETAIL
1-1/2" = 1'-0"



17 BRICK AND CMU BASE DETAIL WITH DOWNSPOUT
1-1/2" = 1'-0"



18 PRECAST FEAUTURE ELEMENT DETAIL
1-1/2" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED ARCHITECT • CAROLYN G. JONES 6111 • STATE OF OREGON • SEATTLE, WA

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	REVISIONS
	03.30.15	PERMIT RESUBMITTAL
	01.12.15	CONSTRUCTION SUBMITTAL
	11.14.14	BID SUBMITTAL
2	10.24.14	PERMIT PLAN CHECK REVISIONS
1	10.24.14	WALGREENS REDLINE REVISIONS
	08.15.14	PERMIT SUBMITTAL

EXTERIOR WALL DETAILS

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

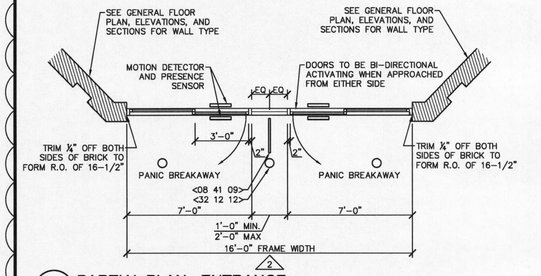
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

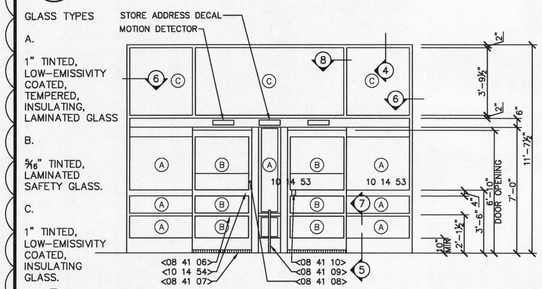
DRAWN BY: S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

A-511

CLINTON DOVE 4/20/2015 5:54 PM H:\VIEWS\WALGREENS\V14-0152-01A_NE SANDY_ENDORE REAL ESTATE\2D\ACHITECTURAL\16251STORES\16251-A510



1 PARTIAL PLAN - ENTRANCE
1/4" = 1'-0"

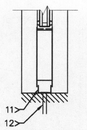


2 PARTIAL ELEVATION
1/4" = 1'-0"

NOTE:
SEE 1-6 / A530 FOR ADDITIONAL DETAILS @ DOORS



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



5 DETAIL
1-1/2" = 1'-0"



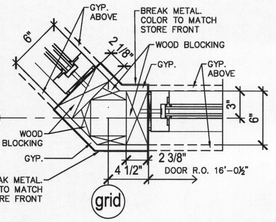
6 DETAIL
1-1/2" = 1'-0"



7 DETAIL
1-1/2" = 1'-0"

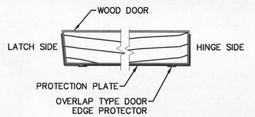


8 DETAIL
1-1/2" = 1'-0"

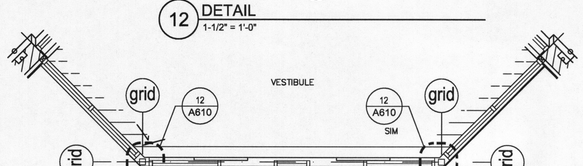


12 DETAIL
1-1/2" = 1'-0"

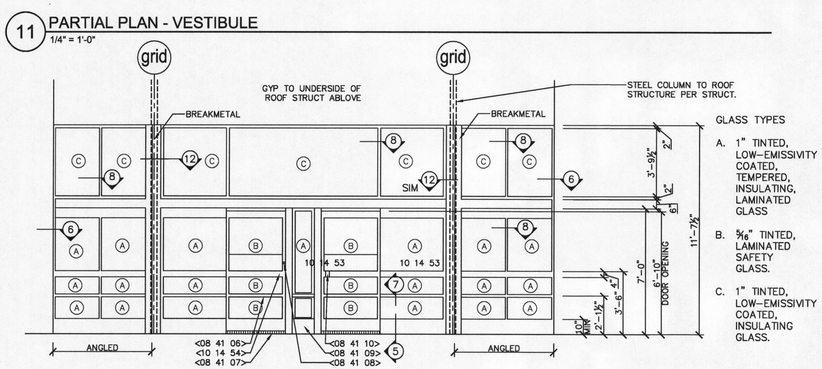
NOTE: REFER TO NOTE 10, DOOR AND HARDWARE SCHEDULE, SHEET A-610.



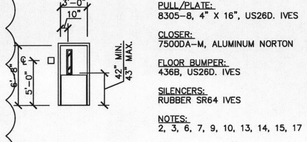
9 DETAIL
3" = 1'-0"



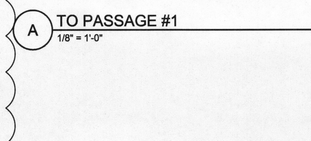
11 PARTIAL PLAN - VESTIBULE
1/4" = 1'-0"



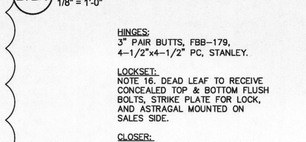
10 PARTIAL ELEVATION - VESTIBULE
1/4" = 1'-0"



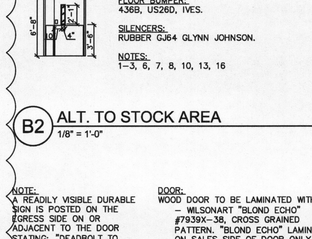
A TO PASSAGE #1
1/8" = 1'-0"



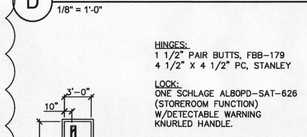
B/B1 NOT USED
1/8" = 1'-0"



B2 ALT. TO STOCK AREA
1/8" = 1'-0"



D TO PHARMACY
1/8" = 1'-0"



E TO TECH CLOSET
1/8" = 1'-0"

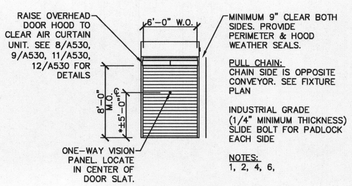
G TO TOILET ROOM
1/8" = 1'-0"

H TO OFFICE
1/8" = 1'-0"

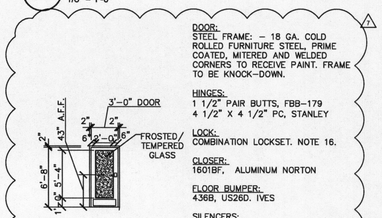
I TO EMPLOYEE ROOM
1/8" = 1'-0"

J TO EXTERIOR
1/8" = 1'-0"

L TO PORTER ROOM
1/8" = 1'-0"

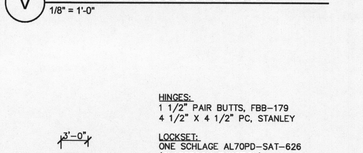


N TO LOADING DOCK
1/8" = 1'-0"

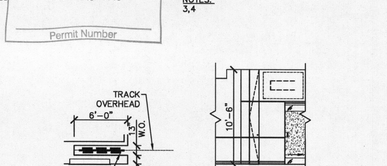


U TO CONSULT ROOM
1/8" = 1'-0"

T TO COMPACTOR SHOOT
1/8" = 1'-0"



F TO BOTTLE ROOM
1/8" = 1'-0"



V PHARMACY SECURITY DOOR
1/8" = 1'-0"

REFERENCE KEYNOTES

DIVISION 07 – THERMAL AND MOISTURE PROTECTION –	
07 90 03	TYPICAL 1/4" BLOCKING, BACKER ROD AND SEALANT MATCHING FRAME COLOR.
DIVISION 08 – OPENINGS –	
08 41 06	1-3/4" FLUSH CART BARS.
08 41 07	ALUMINUM THRESHOLD, (EXTENDED FULL LENGTH OF OPENING), 1/4" X 4" WIDE X CONTINUOUS RIBBED WITH BEVELED EDGES ACROSS MASONRY OPENING.
08 41 08	KEYED ENTRY SWITCH 4'-0" A.F.F. KEY SWITCH TO BE KEYED ALIKE TO THE ADAMS RITE DOOR HOOK LATCH.
08 41 09	STAINLESS STEEL GUIDE RAIL 30"H X 36"L (CORE DRILLED, PROVIDED BY DOOR MFR., INSTALLED BY GENERAL CONTRACTOR).
08 41 10	RECESSED PULL HANDLE IN MUNTIN BAR, (ENTRY DOOR ONLY).
08 41 11	BASE SET IN SEALANT TAPCON 1/4" X 1-3/4" @ 12" O.C.
08 41 12	ANCHORS 18" O.C. 6" FROM ENDS – TYPICAL (USE #4 POWDER DRIVEN @ STEEL, 1/4" WS @ WOOD, 1/4" TAPCON @ CONCRETE).
DIVISION 10 – SPECIALTIES –	
10 14 53	WALGREENS STORE HOURS SIGN BY WALGREENS.
10 14 54	"IN EMERCENCY PUSH TO OPEN" DECAL (INSTALL ON MUNTIN BAR, STORE SIDE ONLY).
DIVISION 32 – EXTERIOR IMPROVEMENTS –	
32 12 12	SECURITY BOLLARDS IN HIGH SECURITY LOCATIONS. BY GENERAL CONTRACTOR. SEE DETAIL 7/C-510.

DOOR & HARDWARE SCHEDULE NOTES

1. 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 STORE HARDWARE WITH KEYS SHALL BE KEYED ALIKE.
2. NOTE TO ARCHITECT: DETERMINING FIRE RATING OF DOORS AND FRAMES IS REQUIRED BY CODES. LABEL DOOR IN SCHEDULE.
3. SEE FLOOR PLAN FOR DOOR SWINGS.
4. W.O. = WALL OPENING: VERIFY WITH FLOOR PLAN.
5. NOT USED.
6. UNLESS NOTED OTHERWISE, INTERIOR DOORS ARE WOOD, EXTERIOR DOORS ARE METAL.
7. VISION PANELS:
   A. VISION PANELS TO BE LAMINATED SAFETY GLASS. 4"W X 25"H IN DOORS "A", "B","B1"AND "B2". 15"W X 30"H IN DOORS "H" AND "I".
   B. DOOR "D" HAS 15"X30" TRANSLUCENT WHITE (FROSTED) LAMINATED SAFETY GLASS.
   C. USE TRANSPARENT MIRROR (ONE-WAY) GLASS AS DESCRIBED:
      - DOOR "D" ALWAYS TRANSLUCENT (FROSTED).
      - DOORS ON EXIT AND PUBLIC COORIDORS.
      - DOORS FACING SALES AREA.
   D. REMOVABLE METAL GLASS STOPS TO BE OPPOSITE OF THE SECURE SIDE OF DOOR; EXCEPT PHARMACY TO BE ON SECURE SIDE.
   E. METAL STOPS AND FRAMES TO BE PRIMED AND PAINTED.
   F. FIRE RATED VISION PANELS TO BE USED IN RATED DOORS AS REQUIRED BY CODE.
   G. 42" MIN. – 43" MAX. A.F.F. TO BOTTOM OF GLASS (A.D.A.).
8. 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. EXTERIOR EXIT DOORS WILL ONLY HAVE DELAYED EGREES (ALARM LOCK, MODEL 715) WITH SPECIAL AUTHORIZATION FROM WALGREENS LOSS PREVENTION.
9. NAME PLATES (TOILET ROOMS & PUBLIC ACCESSIBLE EXIT DOORS): COMMERCIAL GRADE A.D.A. COMPLIANT TACTILE SIGN (MEN, WOMEN, HANDICAPPED & EXIT). SIGNS TO HAVE BRAILLE, REGULAR COPY AND PICTOGRAPH OF WHEEL CHAIR. SIGN TO BE MOUNTED 60" O.C. A.F.F. ON WALL AT LATCH SIDE OF DOOR.
10. PROTECTION PLATES: SHALL BE STAINLESS STEEL, 20 GAUGE, US32D FINISH, 42" MAX. HIGH WITH OVERLAP TYPE DOOR EDGE PROTECTORS, (STANDARD 18 GAUGE) APPLIED TO BOTH EDGES OF DOOR. MATCH HEIGHT TO PROTECTION PLATES. MANUFACTURER: ROCKWOOD; (DOOR EDGE, PART #308 AND #309). NOTE: PART #309 IS TO BE APPLIED TO TAPERED EDGE OF DOOR ONLY.
11. 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, EXCEPT DOOR "L" TO RECEIVE KICK PLATES ON BOTH SIDES.
12. ROLLING SHUTTER (AT CONVEYOR SHAFT): U.L. LABEL AS REQUIRED. FACE MOUNTING; MANUAL OPERATION, CYLINDER LOCK. (SEE NOTE #1 ON DOOR & HARDWARE SCHEDULE).
13. SALES AREA DOOR CLOSERS TO BE MOUNTED ON SIDE OF DOOR OPPOSITE SALES AREA. OTHER INTERIOR DOOR CLOSER TO BE MOUNTED ON ROOM SIDE OF DOOR. ATTACH CLOSURE TO DOOR AND ATTACH ARM ASSEMBLY TO FRAME, TYPICAL. ALL CLOSERS SHALL HAVE A MAXIMUM 5 POUNDS PULL PER ADA.
14. UNDERCUT DOOR 1".
15. LATCHING IS REQUIRED FOR FIRE-RATED DOORS. USE SCHLAGE AL10S-SAT-626.
16. 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.
17. FOR 4 AND 5 SECURITY LEVEL STORES, ADD PG30 MS-WG W/PUSH TO EXIT BUTTON, (NON-LATCHED, ANNUNCIATION ALARM) BY ALARMLOCK (TO EXIT PASSAGE FROM SALES).

STOREFRONT NOTES

1. GLASS BELOW 7'-0" TO BE LAMINATED
2. SEE MANUFACTURER'S SHOP DRAWINGS (DIMENSIONS MAY VARY).

SPECIFY FRAME COLOR

1. COORDINATE FRAMES OF AUTOMATIC DOORS, WINDOW STOREFRONT, AND DRIVE-THRU WINDOW FINISHES TO MATCH.
   c CHARCOAL

SIGNAGE REQUIREMENTS:

ROOMS CONTAINING FIRE PROTECTION EQUIPMENT (AIR CONDITIONING SYSTEMS, FIRE SPRINKLER RISERS AND VALVES OR OTHER FIRE DETECTION, SUPPRESSION OR CONTROL ELEMENTS) SHALL BE IDENTIFIED PER PFC 509.1. REQUIRED SIGNS SHALL BE CONSTRUCTED OF DURABLE MATERIALS, PERMANENTLY INSTALLED AND READYILY VISIBLE.

DOOR INTO ELECTRICAL ROOMS SHALL BE MARKED ELECTRICAL ROOM

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

REGISTERED ARCHITECT • CAROLYN G. JONES • AUTHORIZED • SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES
ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this drawing may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2
Architecture
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL
1	10.24.14	SF	WALGREENS REDLINE REVISIONS
2	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
	11.14.14	CD	BID SUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
	03.30.15	CD	PERMIT RESUBMITTAL

DOOR SCHEDULE

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

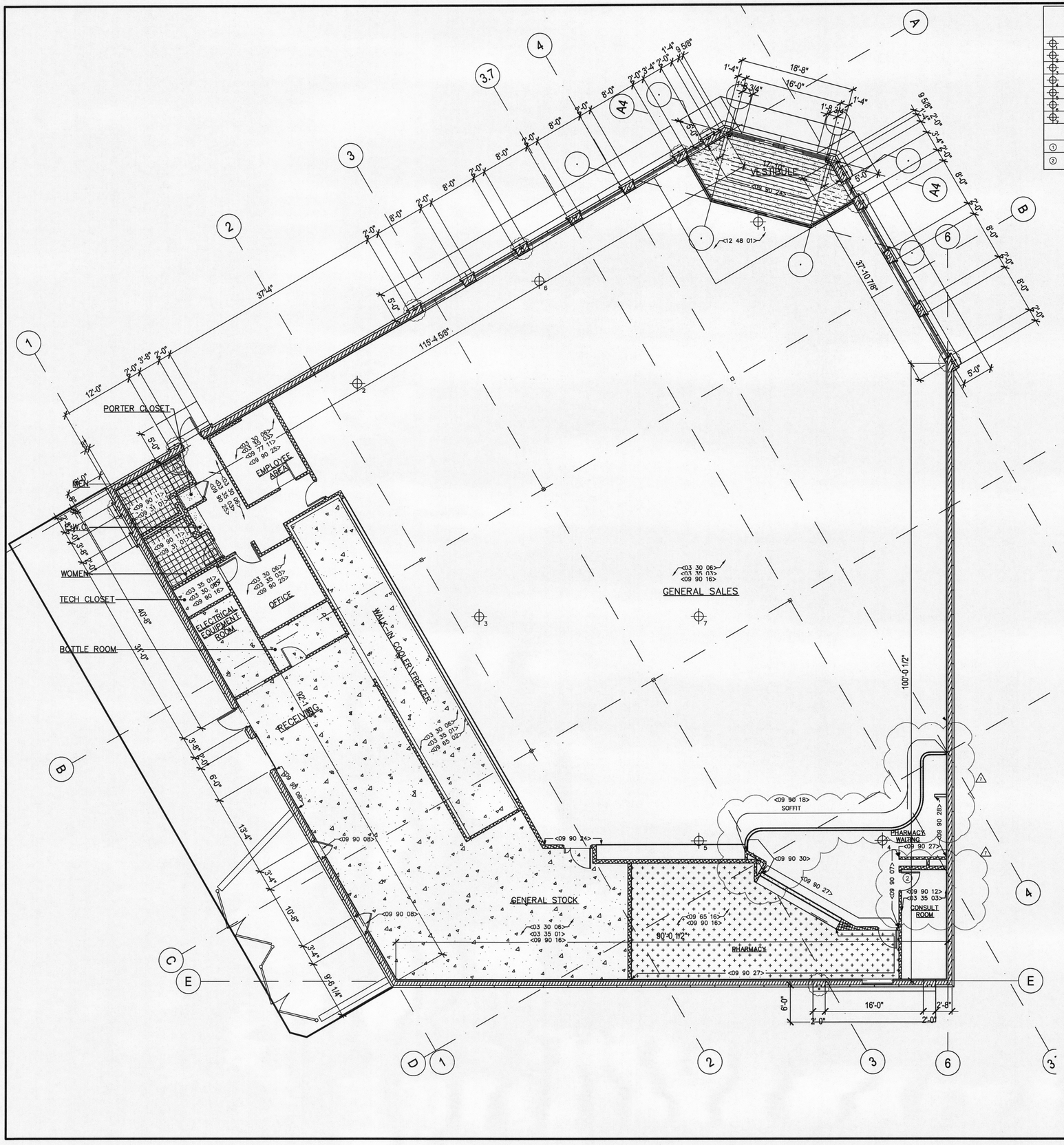
DRAWN BY: S.FLODIN

DATE: 10.24.14

REVIEWED: C. DOVE, M. TAUSHER

A-610

CURTIS DOVE 3/27/2015 8:00 AM H:\PETAL\WALGREENS\14\14-0152-01A.JNE
MANAGER: CAROLYN G. JONES (CGJ) CGJ@MULVANNYG2.COM 425.463.2000 EXT 4612



STATIC COEFFICIENT OF FRICTION (SCOF) TESTING LOCATIONS

⊕	FRONT ENTRANCE ADJACENT TO REGISTERS
⊕	BEAUTY AISLE INTERSECTION OF PIPELINE
⊕	AISLE ADJACENT TO COOLER/FREEZER
⊕	PHARMACY SEATING AREA
⊕	INTERSECTION OF PIPELINE & BACK AISLE
⊕	BEAUTY AISLE
⊕	MAIN CROSS AISLE

TRANSITION STRIPS LEGEND

①	PORCELAIN TO EXPOSED CONCRETE
②	5/8" THICK RUBBER FLOORING, PROVIDE TRANSITION RAMP TO EXPOSED CONCRETE

REFERENCED KEYED NOTES

DIVISION 03 – CONCRETE –	
03 30 06	ALL INTERIOR SLABS TO RECEIVE A HARD TROWEL FINISH.
03 35 01	EXPOSED CONCRETE (FINISH LEVEL #1).
03 35 03	EXPOSED CONCRETE (FINISH LEVEL #3).
DIVISION 09 – FINISHES –	
09 31 01	GLAZED PORCELAIN TILE.
09 65 02	RUN FINISH THROUGH OPENING INTO ROOM 4" MIN.
09 65 16	ECOSURFACES RECYCLED RUBBER FLOORING: ECORX 3.2 + 12MM. INTERLOCKING TILE PATTERN: ECOSTONE #814 COLOR: ROCK 'N COAL W/ 50% BLACK.
DIVISION 12 – FURNISHINGS –	
12 48 01	FLOOR MAT AT ENTRANCE. SURFACE MOUNTED ON FINISHED FLOOR WITH ALUMINUM FRAME AND TRANSITION STRIP. PROVIDED AND INSTALLED BY WALGREENS.

ROOM FINISH SCHEDULE

NOTES	BOTTLE ROOM	VESTIBULE (SEE NOTE ON A-111)	E.W.C.	PORTER CLOSET	PASSAGE	MEN'S TOILET	WOMEN'S TOILET	OFFICE	EMPLOYEE ROOM	TECH ROOM	PHARMACY	CONSULT ROOM	PHARMACY-WAITING	GENERAL STOCK	WALK-IN COOLER/FREEZER	ELECTRICAL AREA	GENERAL SALES			
6	●	●								●				●	3	●			EXPOSED CONCRETE – FINISH LEVEL #1	FLOOR
6				●	●	●		●	●			●	●				●		EXPOSED CONCRETE – FINISH LEVEL #3	
6							●	●											GLAZED PORCELAIN TILE MID AMERICA YURA–LEAD GRAY	
6											●								ECOSURFACES RECYCLED RUBBER FLOORING ECORX 3.2 + 12MM PATTERN: ECOSTONE #814 COLOR ROCK 'N ROLL COAL W/ 50% BLACK. INTERLOCKING TILES	
		●															●		ENTRANCE FLOOR MAT – BY WALGREENS (WHERE NOTED)	
	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	09 65 15	6" JOHNSONITE #20 "CHARCOAL": VINYL BASE WITH PREFORMED OUTSIDE CORNER. RETURN AT ALL CORNERS AS APPLICABLE.	BASE
						●	●												GLAZED PORCELAIN BULLNOSE BASE MID AMERICA YURA – LEAD GRAY	
			●	●		●	●												WATER RESISTANT GYPSUM WALLBOARD	WALLS & WALL COVERING
	●	●			●			●	●	●	●	●	●	●	●	●	●		GYPSUM WALLBOARD	
									●									09 77 11	3'–2" H. ACROVYN #927 "FOLKSTONE" WALL PANELS ALUMINUM WAINSCOT TRIM: WITH #927 "FOLKSTONE" VERTICAL TRIM & CORNER TRIM KIT	
												●	●					09 90 07	VINYL WALLCOVERING D.L. COUCH NA–18–WAL–07 "STRIATIONS"	
														●				09 90 08	4'–0" H. 1/4" THICK TEMPERED HARDBOARD GRADE II, SMOOTH ONE SIDE (WHERE NOTED)	
	●		●	1		●	●											09 90 11	FIBERGLAS REINFORCED PANEL MARLITE BRAND "BRITE WHITE" #P199	
12																●	●	09 90 24	VINYL WALLCOVERING D.L. COUCH NA–18–WAL–24 "WHITE STIPPLE"	
12					●			●	●									09 90 25	VINYL WALLCOVERING DL COUCH NA–18–WAL–25	
												●	●					09 90 27	VINYL WALLCOVERING DL COUCH NA–18–WAL–27	
													●					09 90 28	VINYL WALLCOVERING D.L. COUCH NA–18–WAL–28 "SERENATA"	
													●					09 90 30	VINYL WALL COVERING D.L. COUCH NA–18–WAL–30 "DILL PICKLE"	
												●	●						2'X2' SQ. CUT LAY–IN TILE ARMSTRONG "FINE FISSURED HUMIGUARD" #1729	CEILING
																			2'X4' SQ. CUT LAY–IN TILE ARMSTRONG "FINE FISSURED HUMIGUARD" #1728	
		●	●	●		●	●		●										GYPSUM WALLBOARD TO BE BM "DECORATOR WHITE" #–04	
	●				●					●					●	●	●		NONE – EXPOSED TO STRUCTURE ABOVE	
9	●				●	●	●	●	●	●			●				●	09 90 13	BM "SECRET AF–710 " (DOORS & FRAMES)	
7, 14	●	●	●		●	●				●	●		●		●	●	●	09 90 16	BM "DECORATOR WHITE" #–04	
9											●	●						09 90 17	BM "STONE HOUSE" #1039 DOOR FRAMES	
7																	●	09 90 18	BM "BLUE MARGUERITE" #2063–50	
7																	●	09 90 19	BM "DEEP SPACE" #2128–20	
10												●						09 90 12	BM "EDGECOMB GRAY" #HC–173	
	2	2												5		4			NOTES	

NOTES

1. FIBERGLAS REINFORCED PANEL IN PORTER CLOSET FROM FLOOR TO 8'–0" A.F.F. OR CEILING
2. THESE ROOMS ARE NOT SHOWN IN CRITERIA BUT MAY BE SHOWN IN SOME PROJECTS.
3. CONCRETE HARDENER/SEALER REQUIRED UNDER WALK–IN COOLER/FREEZER.
4. FURNISH AND INSTALL VINYL BASE ON CHECKOUT CASEWORK. SEE D–111.
5. GYPSUM WALL BOARD REQUIRED OVER METAL STUDS AND INSULATION IN LOCATIONS OF THRU WALL & TILT WALL CONSTRUCTION. SEE SHEET A–320 FOR WALL SECTIONS.
6. END FLOOR FINISH UNDER DOOR UNLESS OTHERWISE NOTED.
7. SEE I–211 FOR LOCATION.
8. SEE SHEET A–111 FOR LOCATION.
9. PHARMACY: CUSTOMER FACING SIDE OF DOOR AND DOOR FRAME TO BE PAINTED BM "STONE HOUSE" #1039 INTERIOR SIDE OF DOOR AND DOOR FRAME TO BE PAINTED BM "DECORATORS WHITE" 1–04 PRIVATE HEALTH & CLINIC EXAM ROOMS: DOOR AND DOOR FRAME (BOTH SIDES) TO BE PAINTED BM "STONE HOUSE" #1039
10. ONLY USED ON INTERIOR WALLS.
11. INSTALLED HORIZONTALLY
12. IF NO DOOR SEPARATES PASSAGE FROM GENERAL SALES, USE <09 90 24> TO 6'–10"AFF WITH <09 90 16> ABOVE, IN PASSAGE.
13. SURFACE MOUNTED ON FINISHED FLOOR WITH ALUMINUM FRAME AND TRANSITION STRIP
14. CUSTOMER FACING OPEN CEILINGS ABOVE 14'–0"
15. ALL INTERIOR SLABS TO RECEIVE A HARD TROWEL FINISH

City of Portland REVIEWED FOR CODE COMPLIANCE MAY 12 2015 Permit Number

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

REGISTERED ARCHITECT • CAROLYN G. JONES 6117 • SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES, ARCHITECT

© MulvannyG2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from MulvannyG2 Architecture.

MULVANNY G2 ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 MulvannyG2.com

NO.	DATE	BY	DESCRIPTION
	03.13.15	CD	PERMIT RESUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
	11.14.14	CD	BID SUBMITTAL
	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
	10.24.14	SF	WALGREENS REDLINE REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL

REVISIONS

INTERIOR FINISHES

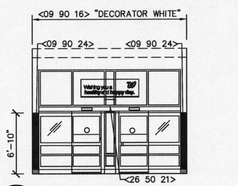
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

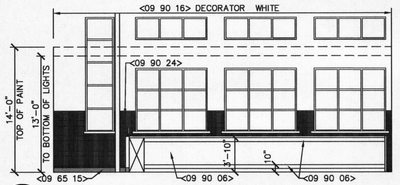
FILE NAME:
DRAWN BY: M. BARBA S. FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

I-111

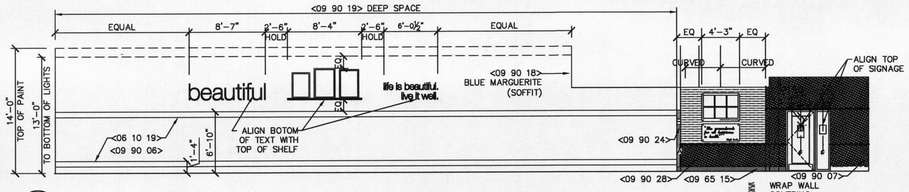
CLINTON ROSE 3/27/2015 9:00 AM P:\PETAL\WALGREENS\A\14-0152-01A.JNE
SANDY_LAROSE REAL ESTATE\DRAWINGS\DESIGN\DESIGN STOCK\I-111.DWG



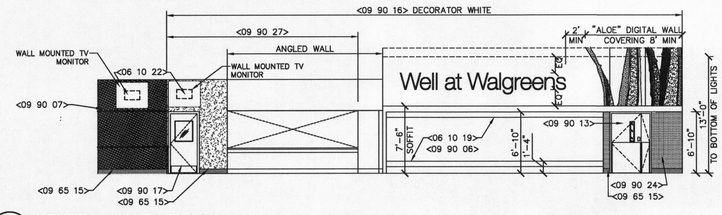
1 GENERAL SALES FLOOR
1/8" = 1'-0"



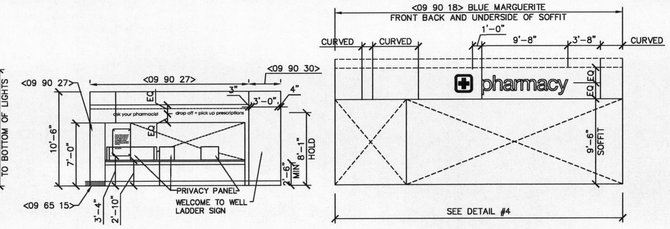
2 GENERAL SALES FLOOR
1/8" = 1'-0"

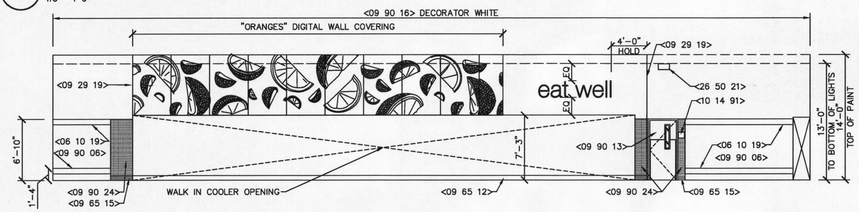


3 GENERAL SALES FLOOR
1/8" = 1'-0"

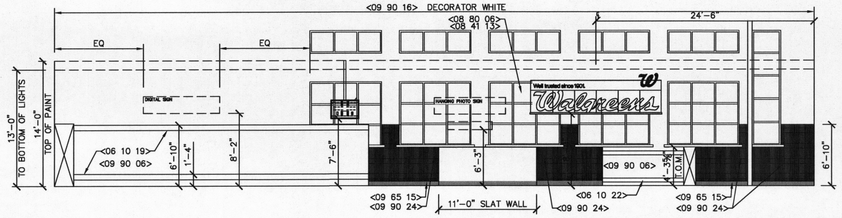


4 GENERAL SALES FLOOR
1/8" = 1'-0"

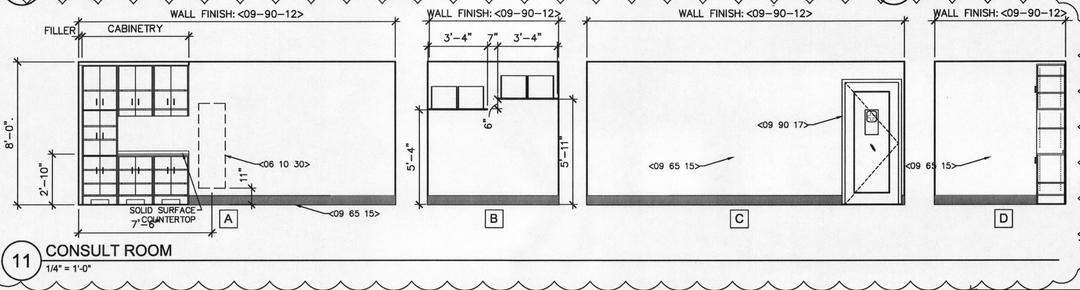




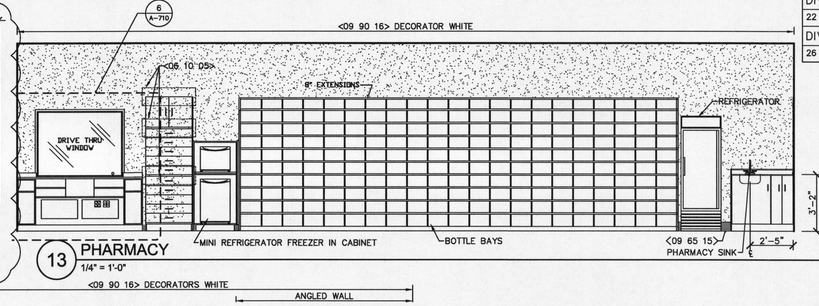
5 GENERAL SALES FLOOR
1/8" = 1'-0"



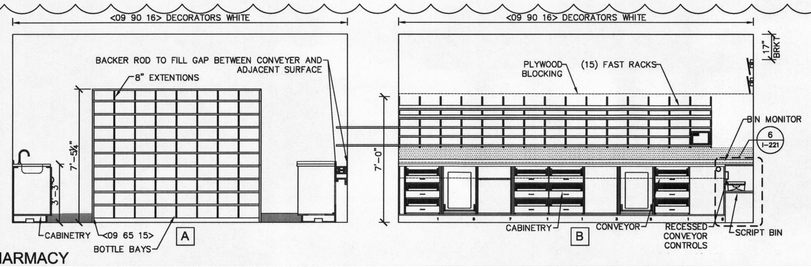
6 GENERAL SALES FLOOR
1/4" = 1'-0"

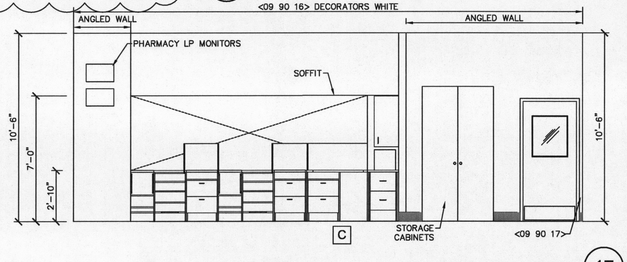


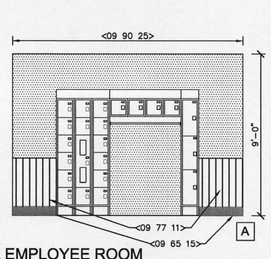
11 CONSULT ROOM
1/4" = 1'-0"

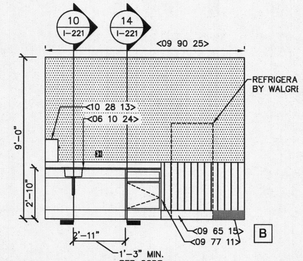


13 PHARMACY
1/4" = 1'-0"

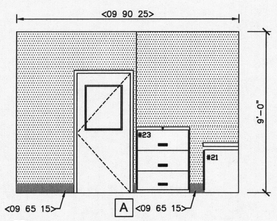


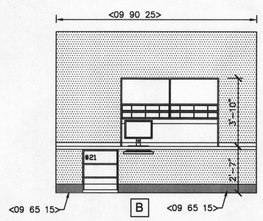


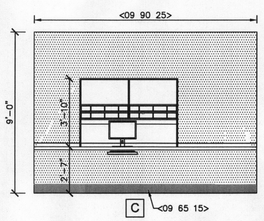


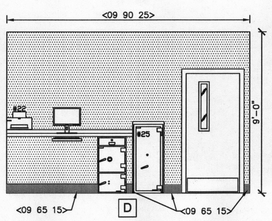


14 PHARMACY
1/4" = 1'-0"

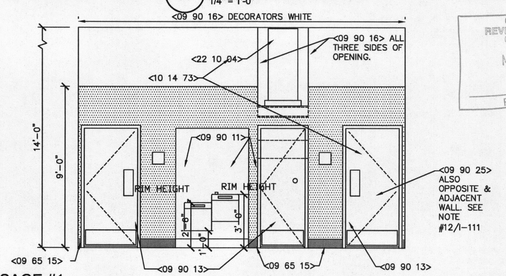








23 OFFICE
1/4" = 1'-0"



27 PASSAGE #1
1/4" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

REFERENCED KEYED NOTES

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES –	
06 10 05	PROVIDE 2X BLOCKING UNDER GWB IN FURR OUT (ON EXTERIOR WALL) TO ANCHOR FIXTURES. SEE INTERIOR ELEVATIONS.
06 10 19	1 X 8 WOOD GROUNDS OR PLYWOOD FOR SALES AREA SHELVING (2 X 8 REQUIRED IN SEISMIC ZONES 3 AND 4).
06 10 22	3/4" PLYWOOD BACKING BETWEEN STUDS UNDER GWB.
06 10 24	PLASTIC LAMINATED COUNTERTOP WITH BACK AND SIDE SPLASHES – LENGTH TO ALLOW 32" CLEAR SPACE ALONG WALL FOR REFRIGERATOR. CAULK JOINT BETWEEN BACK/SIDE SPLASH AND WALL. CAULK COLOR TO BE WHITE. BY GENERAL CONTRACTOR. ORDER CABINET AND COUNTER THROUGH PREMIER EUROCASE, SEE SPECIFICATIONS FOR ADDITIONAL INFO.
06 10 29	3/4" X 48" PLYWOOD BLOCKING BETWEEN STUDS UNDER GWB, FROM 3'-2" TO 7'-2" A.F.F
06 10 30	3/4" X 4'-9"H PLYWOOD BLOCKING BETWEEN STUDS UNDER GWB. FROM 11" TO 5'-8" A.F.F
DIVISION 08 – OPENINGS –	
08 41 13	INSULATING GLASS WITH ALUMINUM STOREFRONT FRAMING, EQUALLY SPACED PANES.
08 80 06	INSULATING GLASS WITH ALUMINUM STOREFRONT FRAMING, EQUALLY SPACED PANES.
DIVISION 09 – FINISHES –	
09 29 19	CONTROL JOINT (TYPICAL). AT SOFFITS, CONTINUE VERTICAL JOINT UNDERSIDE THE WIDTH OF SOFFIT. DO NOT INTERRUPT GRAPHIC DECALS WITH CONTROL JOINT. SEE WALL LOGO AND SIGN SPECIFICATIONS, THIS SHEET.
09 65 12	APPLY WALL BASE CONTINUOUSLY ALONG EXPOSED PORTION OF COOLER BELOW DOORS. CUT TOP OF BASE AS REQUIRED TO FIT.
09 65 15	6" JOHNSONITE #20 "CHARCOAL": VINYL BASE WITH PREFORMED OUTSIDE CORNER RETURN AT ALL CORNERS AS APPLICABLE.
09 77 11	3'-2" H. ACROVYN #927 "FOLKSTONE" WALL PANELS ALUMINUM WAINSCOT TRIM: WITH #927 "FOLKSTONE" VERTICAL TRIM & CORNER TRIM KIT
09 90 06	NO VINYL OR PAINT REQUIRED BEHIND SHELVING AND ABOVE CEILING.
09 90 07	VINYL WALLCOVERING D.L. COUCH NA-18-WAL-07 "STRIATIONS"
09 90 11	FIBERGLAS REINFORCED PANEL MARLITE BRAND "BRITE WHITE" #1199
09 90 12	BM EDGECOMB GRAY #HC-173
09 90 13	BM "SECRET AF-710" (DOORS & FRAMES)
09 90 16	BM "DECORATOR WHITE" #-04
09 90 17	BM "STONE HOUSE" #1039 DOOR FRAMES
09 90 18	BM "BLUE MARGUERITE" #2063-50
09 90 19	BM "DEEP SPACE" #2125-20
09 90 25	VINYL WALLCOVERING DL COUCH NA-18-WAL-25
09 90 27	VINYL WALLCOVERING DL COUCH NA-18-WAL-27
09 90 28	VINYL WALLCOVERING D.L. COUCH NA-18-WAL-28 "SERENATA"
09 90 30	VINYL WALL COVERING D.L. COUCH NA-18-WAL-30 "DILL PICKLE"
DIVISION 10 – SPECIALTIES –	
10 14 73	ADA TOILET ROOM SIGN.
10 14 91	ADA EXIT SIGN.
10 28 13	PAPER TOWEL DISPENSER BY WALGREENS.
DIVISION 22 – PLUMBING –	
22 10 04	GWH-1, WATER HEATER ON PLATFORM @ 7'-11" A.F.F.
DIVISION 26 – ELECTRICAL –	
26 50 21	EMERGENCY EXIT SIGN. REFER TO ELECTRICAL DRAWINGS.

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

REGISTERED ARCHITECT • CAROLYN G. JONES • 9411 • SEATTLE, WA • STATE OF OREGON

CAROLYN G. JONES.
ARCHITECT

© Mulvanny G2 Architecture: All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from Mulvanny G2 Architecture.

MULVANNY G2
ARCHITECTURE
1110 112TH AVE. NE | SUITE 500
BELLEVUE, WA | 98004
t 425.463.2000 | f 425.463.2002 | MulvannyG2.com

NO.	DATE	BY	DESCRIPTION
	03.30.15	CD	PERMIT RESUBMITTAL
	01.12.15	CD	CONSTRUCTION SUBMITTAL
	11.14.14	CD	BID SUBMITTAL
1	10.24.14	SF	PERMIT PLAN CHECK REVISIONS
2	10.24.14	SF	WALGREENS REDLINE REVISIONS
	08.15.14	MB	PERMIT SUBMITTAL

REVISIONS

INTERIOR ELEVATIONS

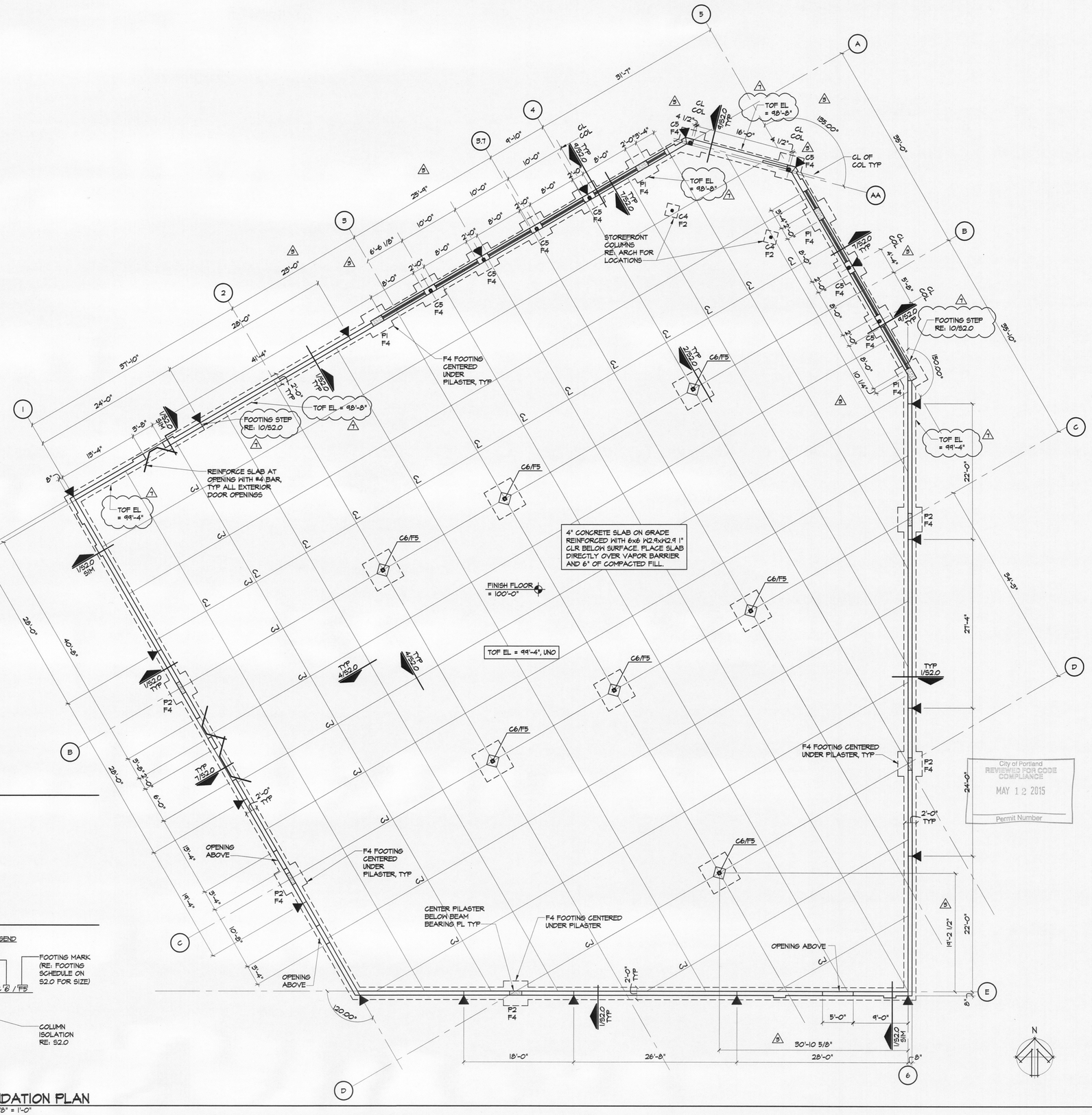
PROJECT ID: 14-015201A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: S.FLODIN
DATE: 10.24.14
REVIEWED: C. DOVE, M. TAUSHER

I-211

CLINTON DOVE, 9/27/2015 8:01 AM R:\PROJECTS\WALGREENS\14-015-01A_NE SANDY BLVD & NE 70TH AVE\PORTLAND\ARCHITECTURAL\I-211.DWG



FOUNDATION PLAN NOTES

- TOF AND FOOTING STEPS SHOWN ARE MAXIMUM ELEVATIONS AND SUGGESTED LOCATIONS, RESPECTIVELY. AT CONTRACTORS OPTION THESE MAY BE ALTERED AFTER REVIEW OF PROPOSED CHANGES BY THE ENGINEER.
- RE: ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
- COORDINATE ELEVATION OF BRICK LEDGE WITH ARCHITECTURAL AND FINISH GRADE.
- REFER TO ARCHITECTURAL FOR ALL PARTITION WALL DIMENSIONS AND DETAILS

FOUNDATION PLAN LEGEND

TOF — DENOTES TOP OF FOOTING

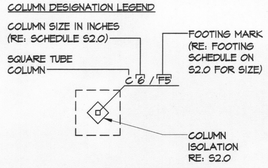
CJ — DENOTES CONSTRUCTION OR CONTROL JOINT (CONTRACTOR'S OPTION), RE: TYPICAL SLAB DETAIL, S2.0

— DENOTES CONTROL JOINT IN MASONRY WALL

— ELEVATIONS INDICATED ON PLANS ARE TO FINISHED FLOOR, U.N.O.

— Px DENOTES MASONRY PILASTER RE: 2/S4.0

COLUMN DESIGNATION LEGEND



FOUNDATION PLAN

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

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED PROFESSIONAL ENGINEER
88216
OREGON
SEPT. 9, 2013
DARCEY LYNN SCHUMACHER
EXPIRES: 06.30.2016
03.11.2015

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 OREGON AS SIGNIFIED BY MY HAND AND SEAL.

wallace

Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
1741 McGee Street
Kansas City, Missouri 64108
816.421.8282, 800.364.5858

NO.	DATE	BY	DESCRIPTION
7	03.13.15	DLS	PERMIT RESUBMITTAL
6	02.25.15	DLS	ASI # 01
	01.12.15	DLS	CONSTRUCTION SUBMITTAL
	11.14.14	DLS	ISSUED FOR BID
1	10.24.14		WALGREENS REDLINE REVISIONS
	8.13.14	MB	PERMIT SUBMITTAL

REVISIONS

FOUNDATION PLAN

PROJECT ID: 14-0152-01A

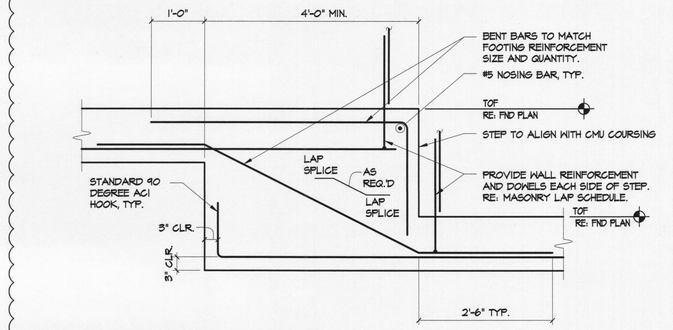
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME: S1.0 FOUNDATION PLAN.DWG
DRAWN BY: JJM
DATE: 8.13.2014
REVIEWED: DLS

S1.0

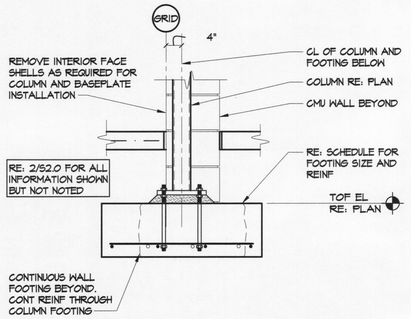
JOE MCKENZIE 3/10/2015 4:49 PM H:\2014\1420074 - WAG - PORTLAND 16251\STRUCT\S1.0 FOUNDATION PLAN



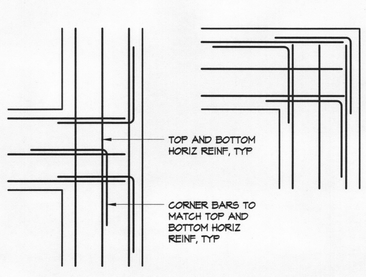
10 FOOTING STEP DETAIL
SCALE: 3/4" = 1'-0"

MASONRY REINFORCING LAP SCHEDULE *				
BAR SIZE	8" BLOCK		12" BLOCK	
	SINGLE REINF.	DOUBLE REINF.	SINGLE REINF.	DOUBLE REINF.
#3	12"	18"	12"	18"
#4	15"	24"	12"	24"
#5	23"	30"	15"	30"
#6	43"	36"	25"	36"
#7	60"	42"	35"	42"
#8	92"	48"	57"	48"

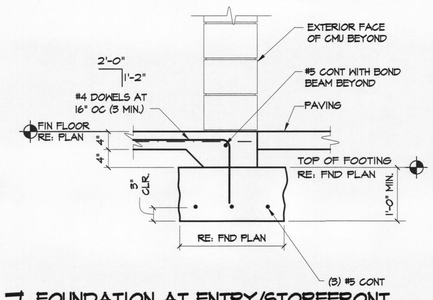
* BASED ON f'm = 1500 PSI



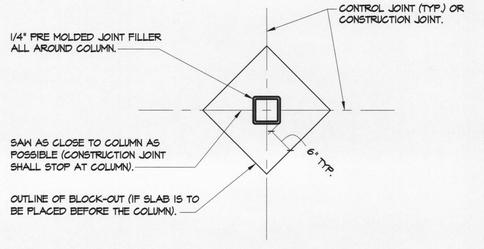
9 EXTERIOR COLUMN FOOTING
SCALE: 3/4" = 1'-0"



8 FOUNDATION CORNER BAR DETAIL
SCALE: 3/4" = 1'-0"



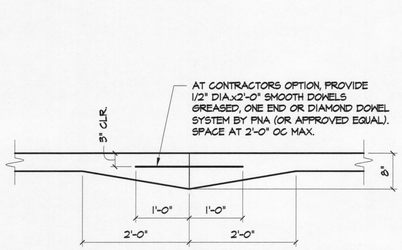
7 FOUNDATION AT ENTRY/STOREFRONT
SCALE: 3/4" = 1'-0"



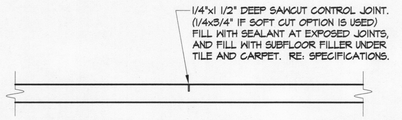
6 TYPICAL COLUMN ISOLATION SLAB
SCALE: 3/4" = 1'-0"

CONCRETE REINFORCING LAP SCHEDULE		
BAR NO.	LAP	
	TOP BARS	OTHERS
#3	17"	16"
#4	23"	18"
#5	28"	22"
#6	34"	26"
#7	44"	36"
#8	56"	43"

5 REINFORCING LAP SCHEDULES
SCALE: 3/4" = 1'-0"

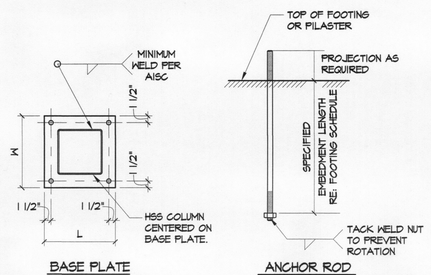


CONSTRUCTION JOINT (CONST. JT.)



CONTROL JOINT (C.J.)

4 SLAB JOINT DETAILS
SCALE: 3/4" = 1'-0"

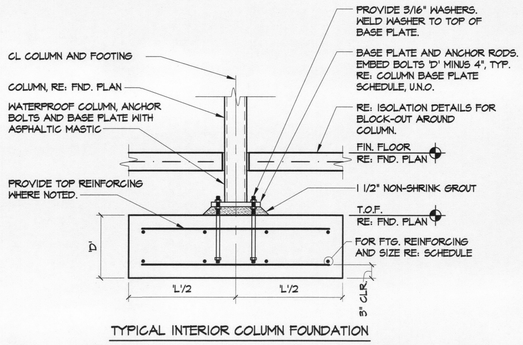


BASE PLATE — ANCHOR ROD RE: NOTES

COLUMN AND BASE PLATE SCHEDULE			
COLUMN MARK	COLUMN SIZE	BASE PLATE (TxWxL)	REMARKS
C4	HSS4x4x1/2	3/4"x10"x10"	
C5	HSS5x5x3/8	3/4"x11"x0'-11"	
C6	HSS6x6x3/8	3/4"x12"x1'-0"	

NOTES:
1. WELD BETWEEN COLUMN AND BASE PLATE SHALL MEET AISC MINIMUM REQUIREMENTS.
2. ALL ANCHOR RODS SHALL BE 3/4" DIA. ASTM F1554, UNO.

3 COLUMN AND BASEPLATE SCHEDULE
SCALE: 3/4" = 1'-0"

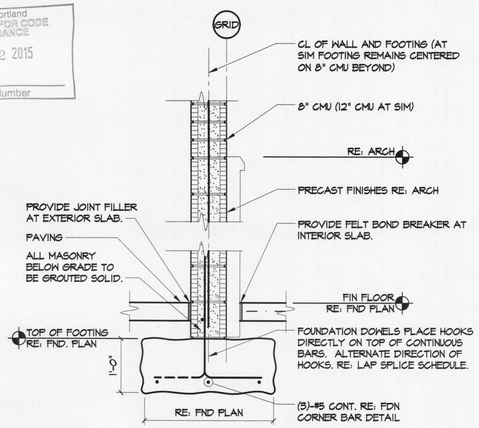


TYPICAL INTERIOR COLUMN FOUNDATION

FOOTING SCHEDULE (2500 PSF)					
MARK	L LENGTH	W WIDTH	D DEPTH	FOOTING REINFORCING	REMARKS
F2	2'-0"	2'-0"	1'-0"	(3) #4 BARS EW	
F4	4'-0"	4'-0"	1'-0"	(4) #5 BARS EW	
F5	5'-0"	5'-0"	1'-0"	(6) #5 BARS EW	

2 FOOTING SCHEDULE
SCALE: 3/4" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number



1 TYPICAL EXTERIOR WALL FOOTING
SCALE: 3/4" = 1'-0"

Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
211 N. Broadway, Suite 2600
St. Louis, Missouri 64108
816.421.8282, 800.364.5858

NO.	DATE	BY	REVISIONS
	03.13.15	DLS	PERMIT RESUBMITTAL
	01.12.15	DLS	CONSTRUCTION SUBMITTAL
	11.14.14	DLS	ISSUED FOR BID
	10.24.14		WALGREENS REDLINE REVISIONS
	8.13.14	MB	PERMIT SUBMITTAL

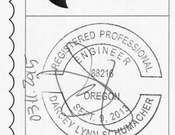
FOUNDATION DETAILS

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME: S2.0 FOUNDATION DETAILS.DWG
DRAWN BY: J.J.M.
DATE: 8.13.2014
REVIEWED: D.L.S.

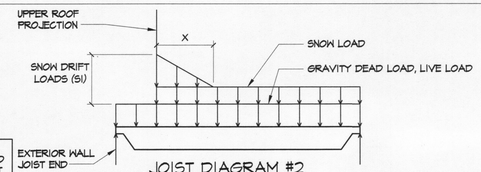
S2.0

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



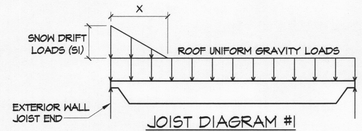
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF OREGON AS SIGNIFIED BY MY HAND AND SEAL.

JOB #: 14-0152-01A
16251\STRUCT\S2.0 FOUNDATION DETAILS.DWG



JOIST DIAGRAM #2

CONTRACTOR NOTE:
BRIDGING AND WEB MEMBERS ARE NOT DESIGNED FOR LOADS OTHER THAN AXIAL. NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. ALL LOAD ATTACHMENT SHALL BE TO JOIST CHORDS ONLY. RE: 7/S4.1



JOIST DIAGRAM #1

JOIST SCHEDULE

MARK	JOIST SIZE	UNIFORM GRAVITY LOAD (PLF)			SNOW DRIFT INFORMATION		DIAGRAM NUMBER
		DEAD LOAD (DL)	LIVE LOAD (LL)	SNOW LOAD (SL)	SI (PLF)	X (FT)	
J1	28K5P	90	120	150	260	12.7	1
J1A	28K5P	90	120	285	260	12.7	1
J1B	28K5P	90	120	185	260	12.7	1
J2	28K5P	90	120	150	---	---	---
J2A	28K5P	90	120	285	---	---	---
J2B	28K5P	90	120	185	---	---	---
J5A	28K5P	90	120	150	260	14.7	1
J5B	28K5P	90	120	150	260	24	1
J4	12K5P	90	120	340	---	---	---
J5	25K3	90	120	340	---	---	---

NOTES:

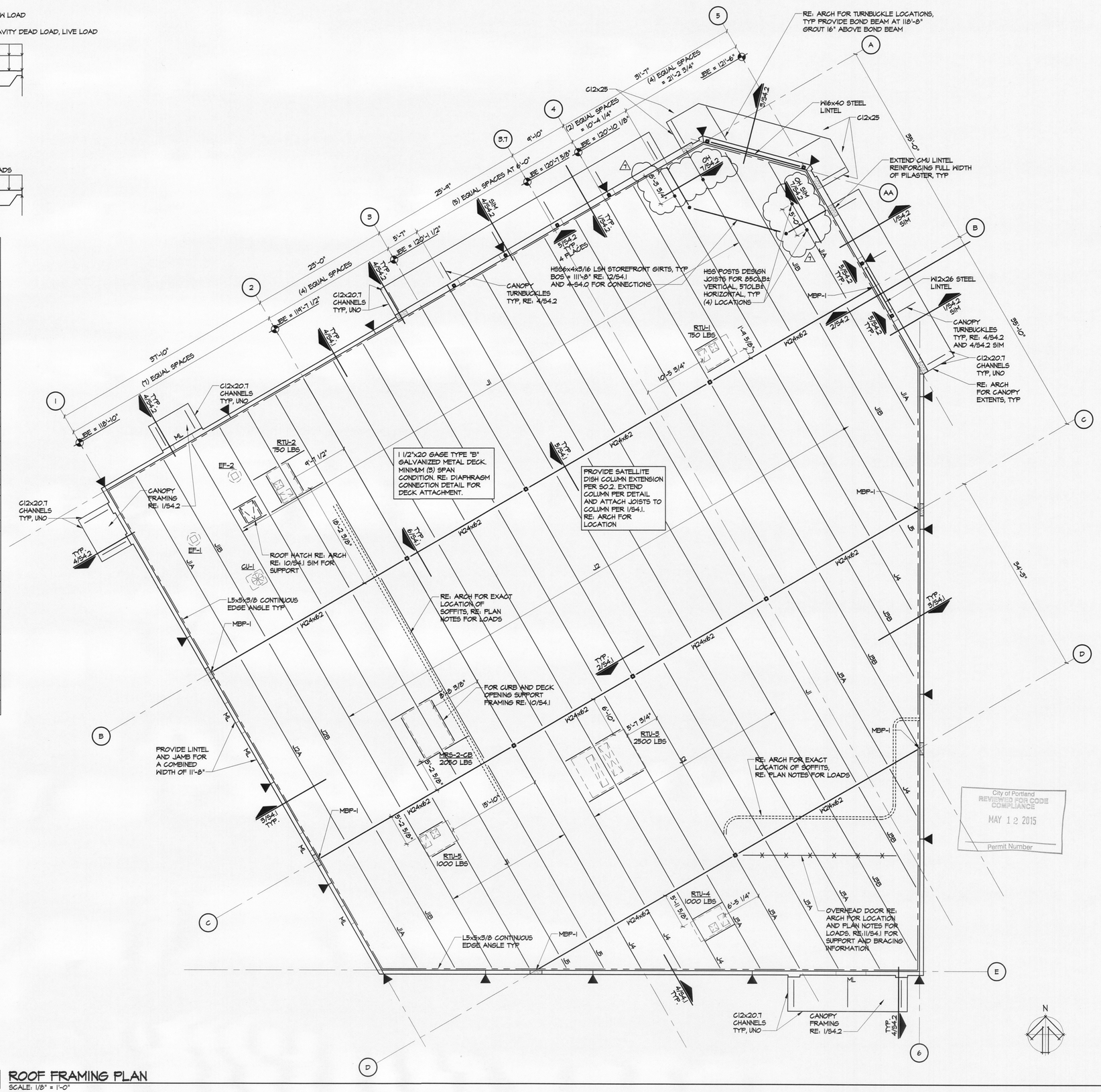
1. SNOW DRIFT LOADS SHALL BE USED IN CONJUNCTION WITH DEAD AND SNOW LOADS (DL+SL) ONLY.
2. IN ADDITION TO THE ROOF UNIFORM GRAVITY LOADS, DESIGN SPECIAL JOISTS TO ACCOMMODATE THE SNOW DRIFT LOADS SHOWN IN THE JOIST SCHEDULE, RTU LOADS, SOFFIT LOADS, AND ANY OTHER CONCENTRATED OR DISTRIBUTED LOADS INDICATED IN THE JOIST DIAGRAMS OR FRAMING PLANS.
3. RTU LOADS ARE PROVIDED ON THE ROOF FRAMING PLAN.
4. ALL LOADS SHOWN ON THESE DIAGRAMS AND ON OTHER DRAWINGS ARE DESIGN WORKING LOADS FOR WORKING STRESS DESIGN WITH THE APPROPRIATE BUILDING CODE LOAD FACTOR ALREADY APPLIED. NO INCREASE IN STRESS OR LOAD REDUCTION IS ALLOWED FOR WIND OR SEISMIC LOAD COMBINATIONS. ALL ADDITIONAL SPECIFIED AXIAL LOADS ARE TO BE ADDITIVE TO FULL GRAVITY AND FULL UPLIFT LOADS TO PRODUCE THE WORST CASE CONDITION.
5. THE LIVE LOAD DEFLECTION LIMIT IS L/240.
6. PROVIDE 2 1/2" JOIST SEATS AT ALL JOISTS, UNO.
7. JOISTS SHALL RESIST THE MOST CRITICAL EFFECTS FROM THE LOAD COMBINATIONS LISTED IN THE APPLICABLE BUILDING CODE.
8. DESIGN FOR MAXIMUM MOMENT AND SHEAR DUE TO SEISMIC BRACING AT TOP CHORD PANEL POINTS IN AREAS WHERE SPRINKLER PIPING IS UP TO 8" IN DIAMETER. RE: FIRE PROTECTION DRAWINGS FOR SEISMIC BRACE LOAD INFORMATION.
9. PROVIDE TOP AND BOTTOM BRIDGING PER SJI REQUIREMENTS. DO NOT WELD BRIDGING TO WEB MEMBERS
10. JOIST MANUFACTURER TO PROVIDE WIND UPLIFT BRIDGING AT THE FIRST BOTTOM CHORD PANEL POINTS PER SJI REQUIREMENTS. DESIGN ALL JOIST FOR A NET UPLIFT LOAD PER DESIGN LOAD RE: S0.1
11. DESIGN ALL JOISTS FOR 4.4K SEISMIC TOP CHORD AXIAL LOAD

ROOF FRAMING PLAN NOTES

- ALL JOIST AND STEEL BEARINGS TO BE LOCATED ON STRAIGHT LINE SLOPE BETWEEN ELEVATIONS SHOWN ON FRAMING PLAN.
- JOIST SHALL BE DESIGNED PER JOIST SCHEDULE
- JOISTS SUPPORTING SOFFITS SHALL BE DESIGNED FOR 100 PLF UNIFORM LOADS SUPPORTED FROM THE BOTTOM CHORD. WHERE JOISTS ARE PERPENDICULAR TO THE SOFFIT DESIGN BOTTOM CHORD FOR 800 LB CONCENTRATED LOAD. PROVIDE JOIST BOTTOM CHORD EXTENSION AND WEB AS REQUIRED AT SOFFIT FRAMING
- JOISTS SUPPORTING THE OVERHEAD DOOR SHALL BE DESIGNED FOR 100 PLF UNIFORM LOAD IN ADDITION TO 1000 LB SPREAD OVER 5'-0" AT ANY POINT ALONG THE LENGTH OF DOOR. PROVIDE JOISTS BOTTOM CHORD EXTENSION AND WEB AS REQUIRED.
- COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT AND OPENINGS MEP DRAWINGS
- REINFORCE JOISTS FOR CONCENTRATED LOADS (MECHANICAL, SOFFITS, ECT) PER JOIST REINFORCING DETAIL
- RE: ARCH FOR TOP OF WALL ELEVATIONS
- ALL BAR JOISTS SHALL HAVE 2 1/2" DEEP BEARING SEATS.
- PROVIDE CONTINUOUS PERIMETER EDGE ANGLE, AS NOTED. REFER TO 8/S4.1 FOR SPLICING.

ROOF FRAMING PLAN LEGEND

- MBP — DENOTES MASONRY BEARING PLATE RE: 3/S4.0
- ▶ — DENOTES CONTROL JOINT IN MASONRY WALL RE: 1/S4.0
- ML — DENOTES MASONRY LINTEL RE: SCHEDULE 1/S4.0
- PS — DENOTES MASONRY PILASTER RE: S2.0
- = : = = = — DENOTES SOFFIT RE: PLAN NOTES
- —X——X— — DENOTES ROLLING GRILL RE: PLAN NOTES



ROOF FRAMING PLAN

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

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED PROFESSIONAL ENGINEER
OREGON
JANUARY 30, 2015
DANSEY LYNN SCHUMACHER
EXPIRES: 6.30.16

03/12/2015

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

wallace

Wallace Engineering
Structural Consultants, Inc.

Structural and Civil Consultants
7101 College Boulevard, Suite 670
Kansas City, Missouri 64108
816.421.8282, 800.364.5858

NO.	DATE	BY	DESCRIPTION
			REVISIONS
	03.13.15	DLS	PERMIT RESUBMITTAL
6	02.25.15	DLS	ASI # 01
	01.12.15	DLS	CONSTRUCTION SUBMITTAL
	11.14.14	DLS	ISSUED FOR BID
5	10.24.14		WALGREENS REDLINE REVISIONS
4	8.13.14	MB	PERMIT SUBMITTAL

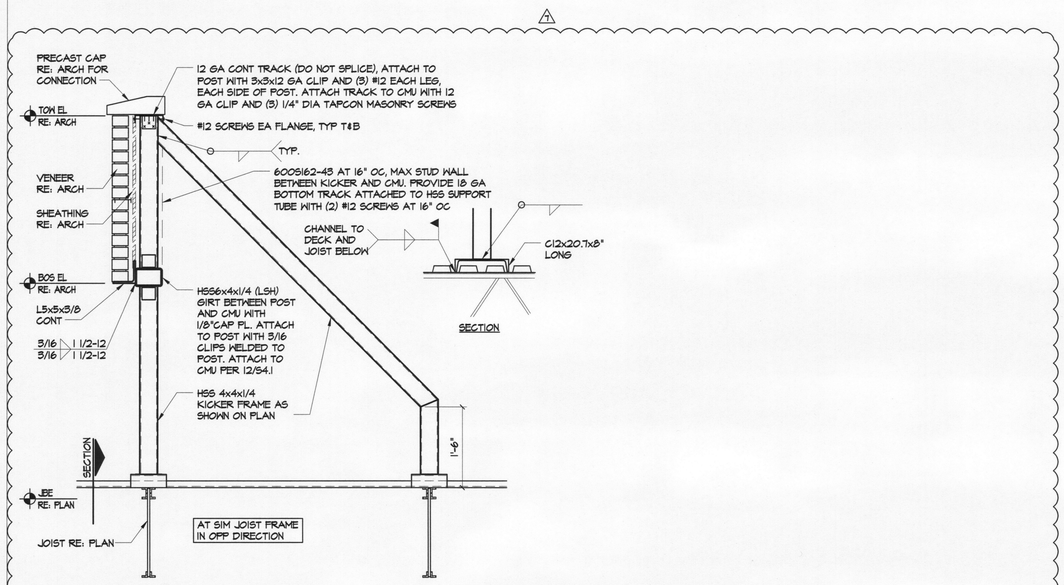
ROOF FRAMING PLAN

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME: S3 ROOF FRAMING PLAN.DWG
DRAWN BY: JJM
DATE: 8.13.2014
REVIEWED: DLS

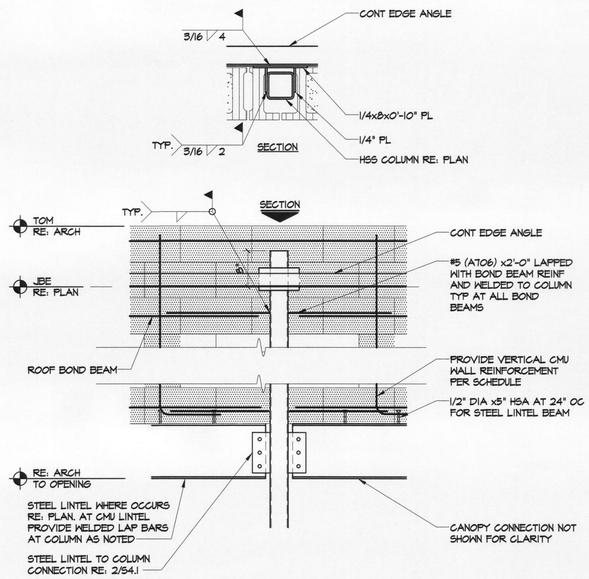
S3.0

DC: MCKINSTRY 3 PROJECTS 15:08 AM N:\2014\142074 - WAG - PORTLAND\16251\S\STRUCT\S3 ROOF FRAMING PLAN

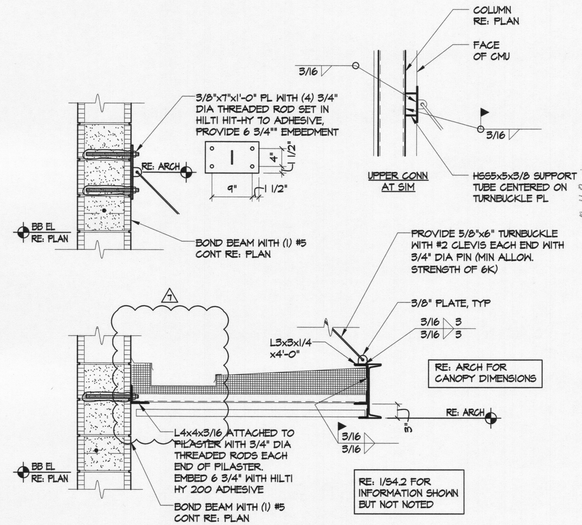


7 FRAMING SECTION
SCALE: 3/4" = 1'-0"

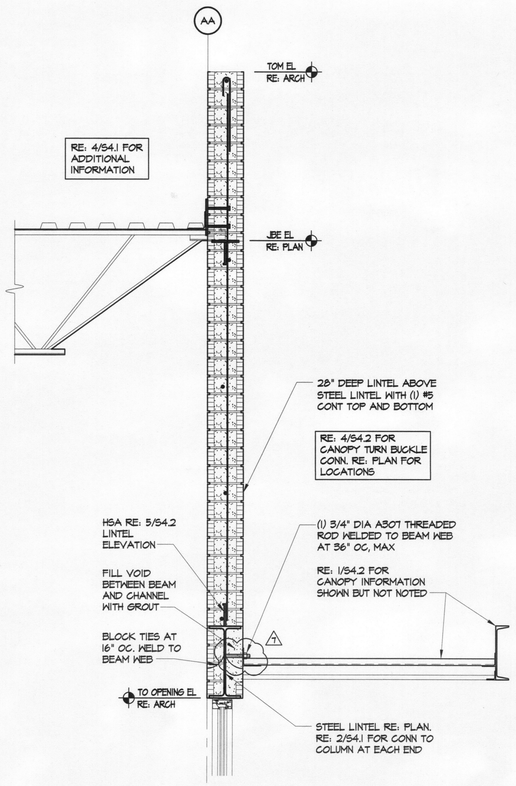
6 NOT USED



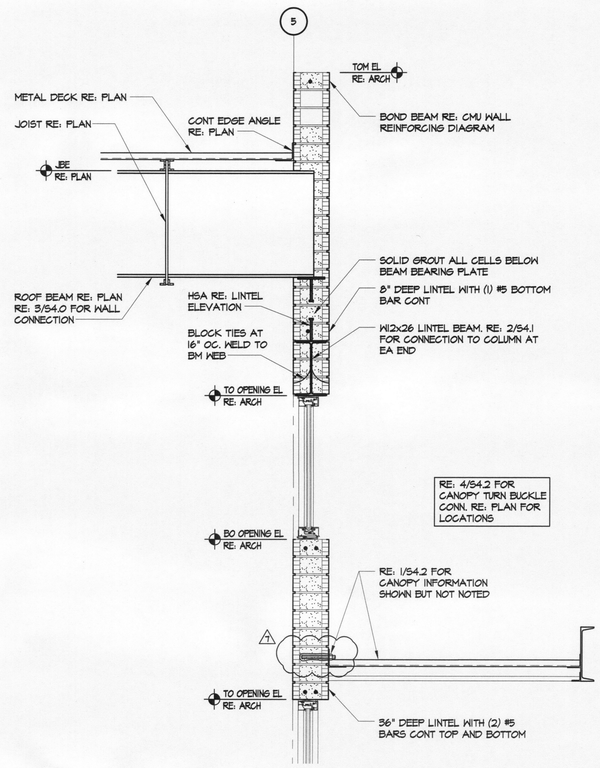
5 COLUMN AND LINTEL ELEVATION
SCALE: 3/4" = 1'-0"



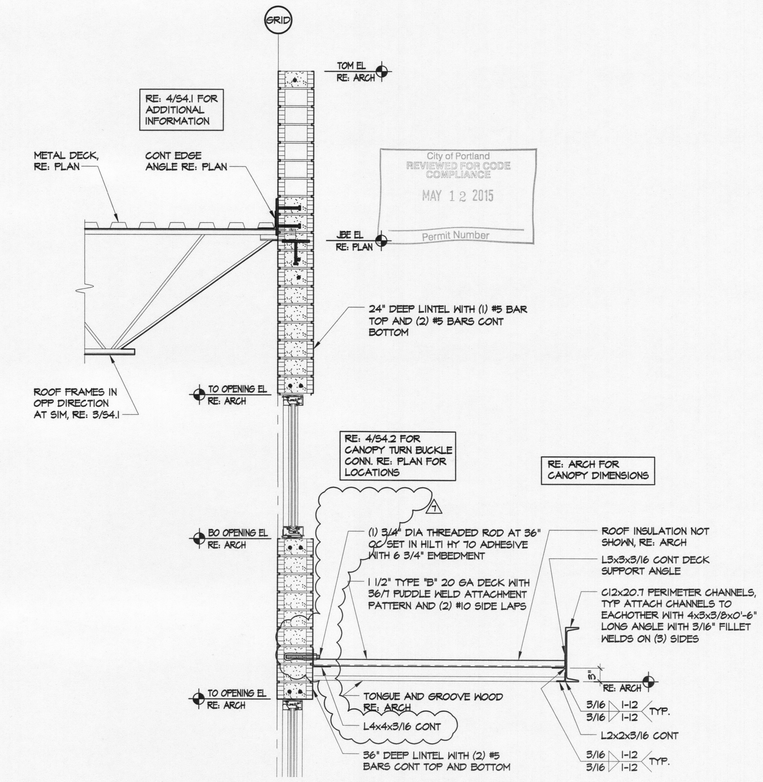
4 CANOPY SECTION AT PILASTER
SCALE: 3/4" = 1'-0"



3 FRONT ENTRY SECTION
SCALE: 3/4" = 1'-0"



2 STOREFRONT SECTION
SCALE: 3/4" = 1'-0"



STOREFRONT SECTION
SCALE: 3/4" = 1'-0"

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

REGISTERED PROFESSIONAL ENGINEER
OREGON
DANNY LYNN SCHUMACHER
EXPIRES: 06-30-2016
05/12/2015

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

wallace

Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
1141 McKee Street
Kansas City, Missouri 64108
816.421.0282, 800.364.5858

NO.	DATE	BY	DESCRIPTION
	REVISIONS		
1	03.13.15	DLS	PERMIT RESUBMITTAL
4	02.25.15	DLS	RFI # 02
3	02.25.15	DLS	ASI # 01
	01.12.15	DLS	CONSTRUCTION SUBMITTAL
	11.14.14	DLS	ISSUED FOR BID
	8.13.14	MB	PERMIT SUBMITTAL

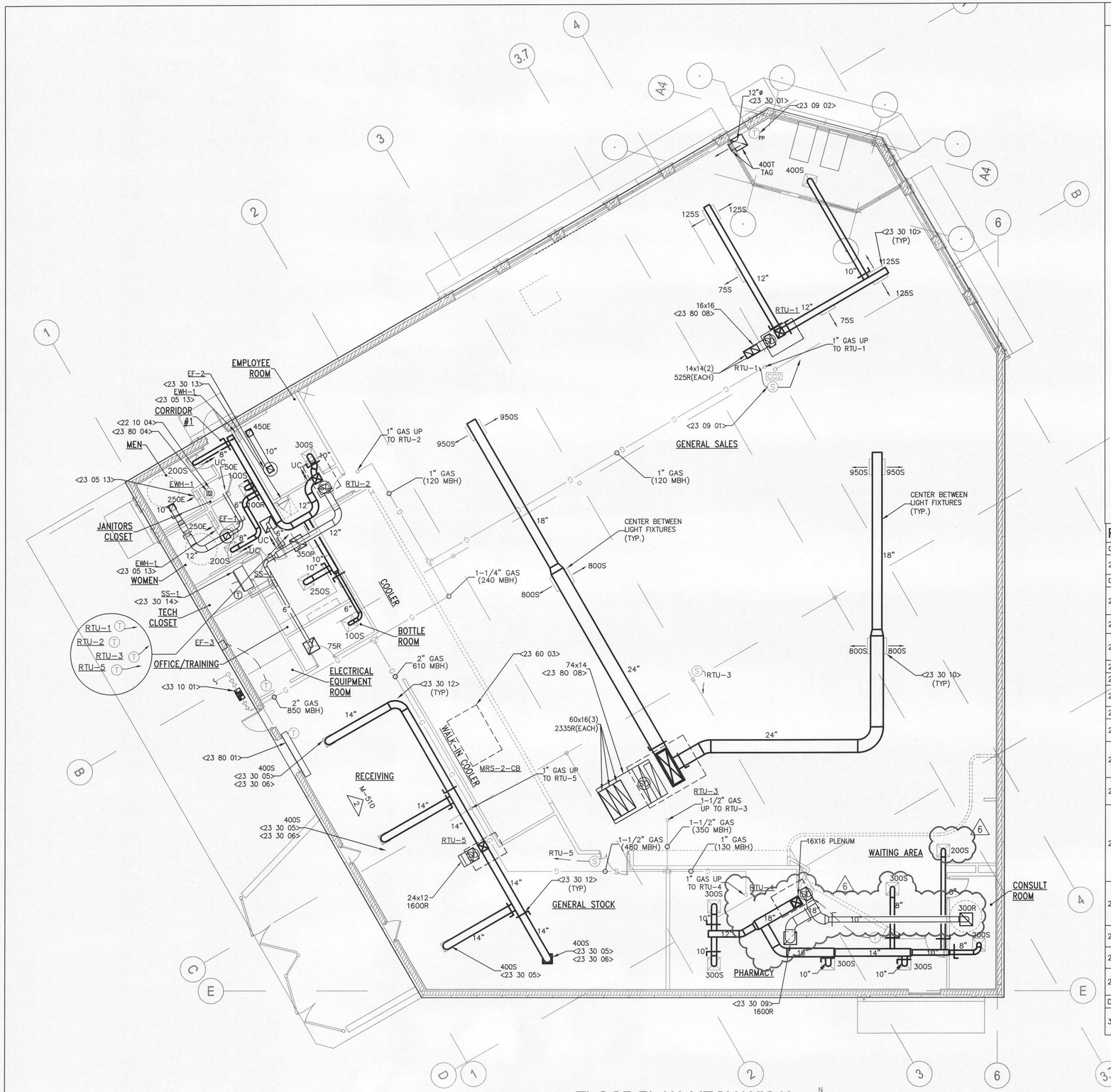
FRAMING DETAILS

PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME: S4.2 FRAMING DETAILS.DWG
DRAWN BY: JJM
DATE: 8.13.2014
REVIEWED: DLS

S4.2

© 2015 WALGREEN CO. PLOT DATE: 5/12/2015 10:10:10 AM N:\2014\14-0152-01A - WAG - PORTLAND\16251\STRUCT\S4.2 FRAMING DETAILS



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

LEGEND

	SUPPLY 4-WAY AIR (UNLESS NOTED OTHERWISE)
	EXHAUST, RETURN OR TRANSFER AIR
	MANUAL DAMPER
G	GAS LINE
H	HUMIDISTAT OR RELATIVE HUMIDITY SENSOR
T	THERMOSTAT
T_{FP}	FREEZE PROTECTION THERMOSTAT
S	SENSOR FOR THERMOSTAT
CO2	CARBON DIOXIDE SENSOR
XXXS	CFM SUPPLY AIR
XXXR	CFM RETURN AIR
XXXE	CFM EXHAUST AIR
XXXT	CFM TRANSFER AIR
AC	AIR CURTAIN
CFM	CUBIC FEET PER MINUTE
EF	EXHAUST FAN
EH	ENTRANCE HEATER
EBH	ELECTRICAL BASEBOARD HEATER
EWH	ELECTRIC WALL HEATER
FD	FIRE DAMPER WITH ACCESS DOOR
SAD	SUPPLY AIR DIFFUSER
SAG	SUPPLY AIR GRILLE
SAR	SUPPLY AIR REGISTER
RAG	RETURN AIR GRILLE
TAG	TRANSFER AIR GRILLE
EAG	EXHAUST AIR GRILLE
RTU	ROOF TOP AIR CONDITIONING UNIT
UC	UNDERCUT
UH	UNIT HEATER
	AIR TRANSFER

REFERENCE KEYED NOTES

DIVISION 22 - PLUMBING	
22 10 04	GWH-1, WATER HEATER ON PLATFORM @ 7'-11" A.F.F.
DIVISION 23 - HVAC - REFRIGERATION	
23 05 13	ELECTRIC WALL HEATER (EWH) FURNISHED BY ELECTRICAL CONTRACTOR. SEE DRAWING E121 FOR MORE INFORMATION.
23 09 01	LOCATE SENSOR ON COLUMN NEAR FRONT CASH REGISTERS.
23 09 02	PROVIDE FREEZE PROTECTION THERMOSTAT NEAR THE CEILING TRANSFER GRILLE IN THE VESTIBULE. SEE NOTES 10 ON DRAWING M-620.
23 30 01	TRANSFER DUCT TO SALES AREA.
23 30 05	BOTTOM OF SAG 10'-0" A.F.F.
23 30 06	CENTER SAG BETWEEN LIGHT FIXTURES. SEE DETAIL 2/M-510.
23 30 09	PROVIDE ROUND-TO-SQUARE TRANSITION TO GRILLE.
23 30 10	90° STRAIGHT TAP 6" MINIMUM FITTING. ANGLE REGISTER DOWN @ 22 1/2°.
23 30 12	MECHANICAL PIPING AND DUCTWORK IN GENERAL STOCK SHALL NOT BE LOWER THAN 15'-0". COORDINATE LOCATION WITH GENERAL STOCK SHELVING AND LIGHTING.
23 30 13	DO NOT INSTALL EQUIPMENT, DUCTWORK, PIPE OR CONDUIT IN PROXIMITY TO THE ROOF HATCH LADDER AREA.
23 30 14	D/X AC UNIT FOR TECH ROOM COOLING. PROVIDE WITH LOCAL THERMOSTAT. ROUTE REFRIGERANT PIPING TO CONDENSER ON ROOF. ROUTE CONDENSATE LINE TO FLOOR SINK. INDOOR UNIT SHALL BE MOUNTED ON SIDE WALL ON FRONT SIDE OF COMMUNICATION CABINETS. MOUNT AS LOW AS POSSIBLE, BUT NOT LOWER THAN 8'-0" A.F.F., SO AS TO MAINTAIN CLEARANCE ABOVE COMMUNICATION CABINETS.
23 80 01	OVERHEAD DOOR AIR CURTAIN, WALL MOUNTED AND SUPPORTED FROM BAR-JOIST. POSITION TO CLEAR THE DOOR. INSTALL PER MANUFACTURER'S INSTRUCTIONS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
23 80 03	GAS CONNECTION TO GAS WATER HEATER GWH-1. SEE DETAIL 6/M-510.
23 80 04	WATER HEATER FLUE, UP THRU ROOF, FULL SIZE. SEE DETAIL 4/M-510.
23 80 08	PROVIDE INTERNAL LINING IN THE EXPOSED RETURN DUCTWORK IN THE GENERAL SALES FOR SOUND ATTENUATION.
DIVISION 33 - UTILITIES	
33 10 01	GAS SERVICE, GAS METER WITH PULSE, REGULATOR, VALVES AND PHYSICAL PROTECTION OF EQUIPMENT BY GENERAL CONTRACTOR.

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

NOTES

1. GENERAL:

1.1. SPECIFICATION SECTIONS 01 11 00 SUMMARY OF WORK, 20 05 00 COMMON WORK RESULTS FOR MECHANICAL, 20 07 00 MECHANICAL INSULATION, SECTION 23 30 00 HVAC AIR DISTRIBUTION, SECTION 23 80 00 DECENTRALIZED HVAC EQUIPMENT AND 26 05 00 COMMON WORK RESULTS FOR ELECTRICAL SHALL BE CONSIDERED A PART OF THIS WORK.

1.2. NON-HVAC COMPRESSORS AND CONDENSERS ARE FURNISHED BY WALGREENS AND INSTALLED BY REFRIGERATION CONTRACTOR.

1.3. WATER HEATER IS FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.

2. EQUIPMENT:

2.1. ALL RTU'S ARE LOCATED ON THE ROOF AND ARE SHOWN DOTTED ON FLOOR PLAN.

2.2. SEE ARCHITECTURAL DRAWINGS FOR HVAC EQUIPMENT ROOF CURBS, EXHAUST FAN ROOF CURBS, GAS PIPE PORTALS, AND CONDENSATE DRAIN PORTALS (IF APPLICABLE). HVAC EQUIPMENT ROOF CURBS AND EXHAUST FAN ROOF CURBS ARE FURNISHED BY MECHANICAL CONTRACTOR.

2.3. INSTALL HVAC EQUIPMENT LEVEL ON ROOF CURBS.

2.4. OUTSIDE AIR INTAKE ON ROOF SHALL BE LOCATED A MINIMUM OF 15'-0" AWAY FROM ANY EXHAUST DUCT, BLOWER DISCHARGE, PLUMBING VENTS, ETC.

2.5. HVAC UNITS SHALL INCLUDE FLEXIBLE CONNECTIONS.

2.6. OUTSIDE AIR INTAKE SHALL BE SIZED FOR 100% OF OUTSIDE AIR WHEN AN ECONOMIZER SYSTEM IS PROVIDED.

2.7. ALL OUTSIDE AND RETURN AIR DAMPERS FOR ECONOMIZER AND NON-ECONOMIZER UNITS SHALL BE MOTORIZED AND HAVE A LOW LEAKAGE GASKET.

2.8. PROVIDE LAMINATED BAKELITE NAME PLATES ON EACH HVAC UNIT AND LOCATE NEXT TO UNIT NAME TAG (RTU-1, EF-1, ETC.).

2.9. IMMEDIATELY AFTER AN HVAC UNIT IS INSTALLED, PROVIDE A MERV 8 OR BETTER TEMPORARY AIR FILTER OVER THE RETURN AIR INLET OF EACH HVAC UNIT AND/OR EACH RETURN AIR GRILLE AS APPLICABLE. REMOVE PRIOR TO TESTING, ADJUSTING AND BALANCING.

2.10. INSTALL THE FIRST OF TWO SETS OF THROWAWAY FILTERS PROVIDED WITH EACH HVAC UNIT IMMEDIATELY FOLLOWING INSTALLATION OF THE UNIT. THE SECOND SET OF FILTERS SHALL BE INSTALLED IMMEDIATELY PRIOR TO TESTING, ADJUSTING AND BALANCING.

3. CONDENSATE DRAIN SYSTEM:

3.1. PROVIDE COSTGARD DEVICE SYSTEM KIT ON EACH RTU AND CONDENSATE DRAINAGE PIPING. REFER TO SPECIFICATION 23 80 00.

3.2. LOCATE CONDENSATE DRAIN PIPING SO IT WILL NOT INTERFERE WITH THE REQUIRED ACCESS TO THE RTU.

4. AIR DISTRIBUTION:

4.1. DUCTWORK SHALL BE SPIRAL GALVANIZED STEEL METAL PER SMACNA. REFER TO SPECIFICATION 23 30 00. INTERNAL LINING IS NOT PERMITTED IN THE SUPPLY DUCTWORK.

4.2. EXPOSED DUCTWORK IN GENERAL SALES SHALL BE

- A60 DULL GRAY COATING (GALVANNEALED), NO INSULATION (IN DRY CLIMATES), FIELD PAINTED BY OTHERS OR
- INSULATED WITH FIBERGLASS DUCT WRAP WITH A METALIZED POLYPROPYLENE-SCRIM KRAFT (PSK) OR VINYL FACING. REFER TO SPECIFICATION 20 07 00.

4.3. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5'-0", USE ONLY ON FINAL CONNECTION TO SUPPLY AIR DIFFUSER, RETURN AIR GRILLE OR DIFFUSER, AND TRANSFER GRILLE OR DIFFUSER, 90° TURNS ARE NOT ALLOWED, OFFSET ANGLES SHALL BE KEPT TO A MINIMUM.

4.4. INSTALL AND ADJUST SUPPLY AIR DIFFUSERS AND GRILLES TO AVOID LIGHT FIXTURES STRIATION AND SIGNAGE SWINGING FROM AIRFLOW. LOCATE DIFFUSERS IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.

4.5. PAINT THE INTERIOR SURFACE OF DUCTS (WHERE VISIBLE) THROUGH GRILLES, DIFFUSERS ETC. USE FLAT 'DTM' (DIRECT TO METAL) NON-SPECULAR BLACK PAINT.

4.6. SUPPLY AND/OR RETURN AIR CEILING PLENUMS ARE NOT PERMITTED.

4.7. ALL VOLUME DAMPERS SHALL BE FLAGGED WITH STREAMERS FOR EASY IDENTIFICATION ESPECIALLY WHEN COVERED WITH INSULATION.

4.8. AIR BALANCING: BALANCE AIR TO INDICATED QUANTITIES WITHIN A TOLERANCE OF PLUS OR MINUS 10%. ADJUST SUPPLY AIR GRILLE BLADES TO MEET COMFORT CONDITIONS IN WORKING AREA PER MANUFACTURER'S RECOMMENDATIONS AND AS DESCRIBED IN NOTE 4.4 ABOVE.

5. MISCELLANEOUS:

5.1. ELECTRIC WALL HEATERS (EWH) ARE PROVIDED UNDER THE ELECTRICAL CONTRACT. THEY ARE SHOWN HERE FOR INFORMATION ONLY.

5.2. EXPOSED UN-INSULATED PIPING IN GENERAL SALES SHALL BE PAINTED BY OTHERS.

6. HVAC CONTROL CONCEPT OF OPERATION:

6.1. REFER TO DRAWING M-620.

7. INSULATION

7.1. INSULATE DUCTWORK AND PIPING PER SPECIFICATION 20 07 00.

7.2. EXPOSED INSULATED PIPING IN GENERAL SALES SHALL BE COVERED WITH 20 MILS PVC JACKET. PVC JACKET COLOR SHALL BE SELECTED BY THE ARCHITECT.

7.3. INSULATE ALL CONDENSATE DRAIN PIPING INSIDE THE BUILDING TO INCLUDE MAINS, BRANCHES AND VENTS.

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

REGISTERED PROFESSIONAL ENGINEER
OREGON
KATHRYN E. DAVENPORT
EXPIRES:

rtm engineering consultants

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 OREGON AND SIGNIFIED BY MY HAND AND SEAL.

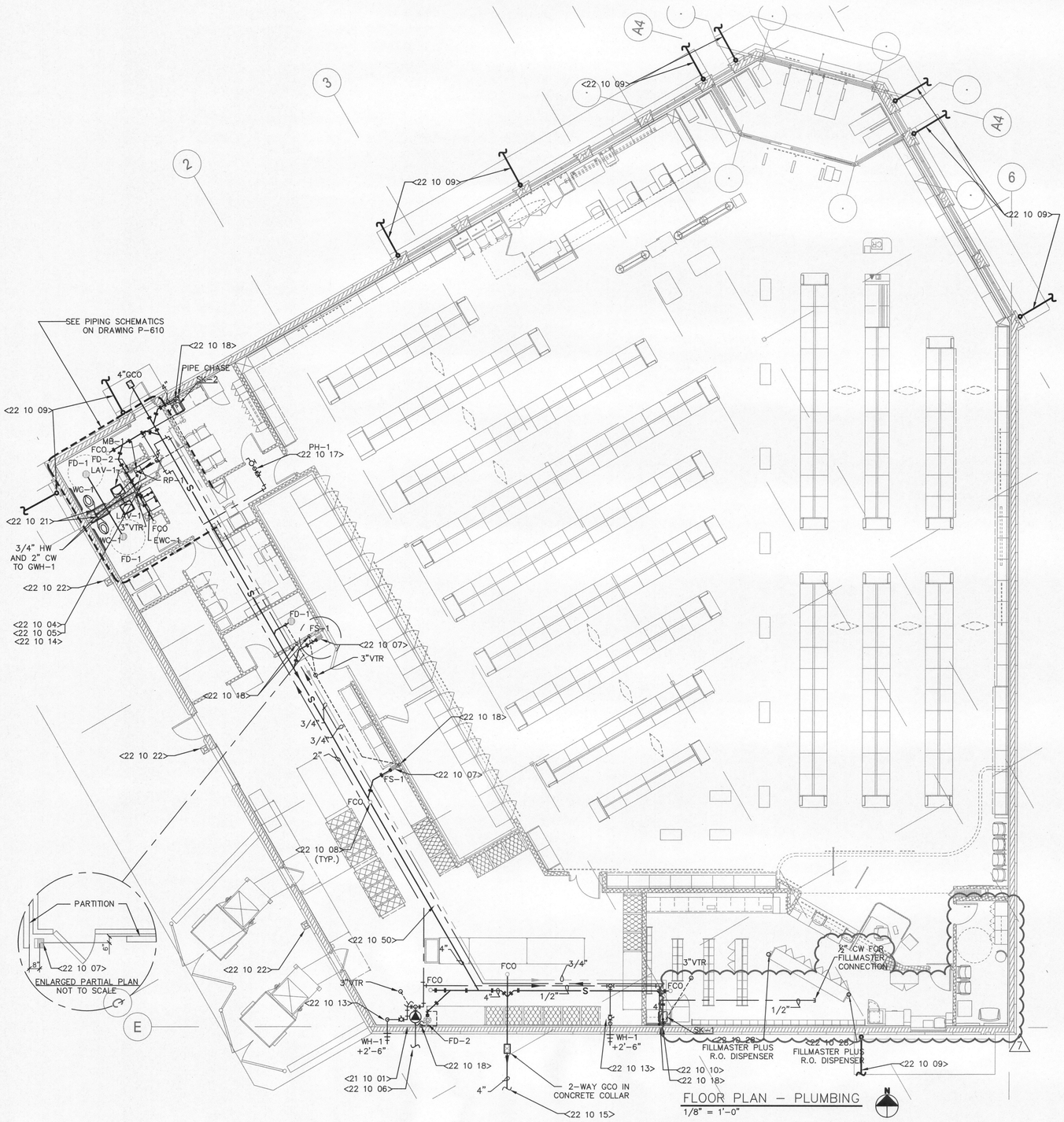
NO.	DATE	BY	DESCRIPTION
			REVISIONS
	01.12.15	RTM	ISSUED FOR BID
	11.14.14	RTM	CONSTRUCTION SUBMITTAL
2	03.09.2015	RTM	ASI #02
1	03.27.2015	RTM	PR02

FLOOR PLAN - MECHANICAL
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME: M111.DWG
DRAWN BY: ABT
DATE: 10.24.14
REVIEWED: KED

M-111

ADAM TAYLOR 3/25/2015 4:48 PM T:\2014\14-WALGRN\14 — 16251 WALGREENS PORTLAND GROUND-UP\08 MEP-CAD\M111



NOTES

1. GENERAL:
1.1. SPECIFICATION SECTIONS 01 11 00 SUMMARY OF WORK, 20 07 00 MECHANICAL INSULATION AND 22 10 00 PLUMBING SHALL BE CONSIDERED A PART OF THIS WORK.

1.2. SEE ARCHITECTURAL DRAWINGS FOR PIPE PORTALS AND ROOF DRAIN LOCATIONS.

1.3. PLUMBING VENTS ON ROOF SHALL BE LOCATED A MINIMUM OF 15'–0" AWAY FROM ANY OUTSIDE AIR INTAKE.

1.4. WATER, WASTE AND VENT PIPING SHALL NOT BE LOCATED IN AN EXTERIOR WALL WHEN THE WINTER TEMPERATURE CAN DROP BELOW 32° F, UNLESS THOSE PIPES ARE LOCATED ON THE ROOM SIDE OF THE WALL INSULATION. IN THOSE CASES, PROVIDE AN ADDITIONAL NON–INSULATED WALL CHASE AS SHOWN FOR THE PHARMACY SINK, DETAIL 1/P–610.

2. WATER SERVICE:
2.1 PROVIDE WATER SERVICE FOR DOMESTIC, IRRIGATION AND FIRE PROTECTION. PROVIDE AN INDIVIDUAL ISOLATION VALVE FOR EACH SERVICE.

2.2 PROVIDE APPROPRIATE BACKFLOW PREVENTION ON THE FIRE PROTECTION WATER.

2.3 COORDINATE THE LOCATION AND ROUTING OF THE WATER LINES WITH THE WATER UTILITY COMPANY AND WALGREENS.

2.4 PROVIDE A PRESSURE–REGULATING VALVE WHEN REQUIRED TO LIMIT WATER PRESSURE TO 65 PSIG.

2.5 PROVIDE SIZES, CHANGES AND ADDITIONAL ITEMS WHEN REQUIRED BY PUBLIC HEALTH DEPARTMENT, THE CODE, THE BUILDING DEPARTMENT, THE WATER UTILITY COMPANY, INSPECTORS AND/OR OTHERS HAVING JURISDICTION.

3. DOMESTIC WATER PIPING:
3.1. HOT AND COLD DOMESTIC WATER PIPES ABOVE FINISHED FLOOR TO BE COPPER TYPE 'L'.

3.2. DOMESTIC WATER PIPING WITHIN BUILDING SHALL BE ABOVE GROUND. PIPING THRU FLOORS SHALL BE ISOLATED FROM CONTACT WITH CONCRETE.

3.3. BRANCH LINES TO PLUMBING FIXTURES SHALL HAVE WATER HAMMER ARRESTORS THAT ARE CODE APPROVED, AND SIZED ACCORDING TO FIXTURE UNIT LOADING.

3.4. EXPOSED WATER SUPPLIES FOR PLUMBING FIXTURES SHALL BE CHROME–PLATED BRASS AND HAVE 1/4 TURN BALL TYPE HANDLE (NOT KEY) OPERATED STOPS (EXCEPT URINALS) WITH METAL STEMS, BY BRASSCRAFT OR EQUAL.

3.5. WATER PIPING AND SIMILAR ITEMS THAT RUN THROUGH STUD SPACES SHALL HAVE A MINIMUM OF 1/2" CLEAR SPACE SURROUNDING THE PIPING TO AVOID CONTACT WITH ADJACENT SURFACES.

3.6. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE INSULATED. EXPOSED INSULATED PIPING IN GENERAL SALES SHALL BE COVERED WITH PVC JACKET.

3.7. BRANCH WATER LINES INCLUDING THOSE TO HOSE BIBS, ROOF HYDRANTS AND POST HYDRANTS SHALL HAVE ISOLATION VALVES THAT ARE ACCESSIBLE. ROUTE COLD WATER PIPING FOR WH–1 AWAY FROM STORAGE SHELVING. ALTERNATE ROUTING MAY BE PLACED NEXT TO INTERIOR WALL. COORDINATE WITH DRAWING D–111.

3.8. NO DOMESTIC WATER PIPING SHALL BE ROUTED ABOVE THE ELECTRICAL ROOM AND TECH ROOM.

4. SANITARY WASTE AND VENT PIPING:
4.1. CLEANOUTS SHALL BE INSTALLED IN THE BUILDING DRAIN, HORIZONTAL WASTE, STORM OR SOIL LINES WITH CHANGES IN DIRECTION GREATER THAN 45°. PROVIDE CLEANOUTS AT THE END OF EACH BRANCH, AT THE BASE OF EACH STACK, AND AS REQUIRED BY CODE. ALL CLEANOUTS TO BE VISIBLE AND ACCESSIBLE.

4.2. DO NOT LOCATE ANY CLEANOUTS IN THE PHARMACY.

4.3. THE USE OF DOUBLE COMBINATION FITTINGS IS PROHIBITED. A DOUBLE WYE WITH 45° SWEEP ELBOWS IS ACCEPTABLE WITH A MINIMUM OF 1'–0" TRAVEL PIECE BETWEEN THE 45° FITTING AND WYE CONNECTION.

4.4. VENTS LOCATED BELOW SLAB SHALL BE 2" DIAMETER MINIMUM.

4.5. FLOOR DRAINS SHALL NOT BE CONSIDERED AS FUNCTIONAL CLEANOUTS.

4.6. TOILET ROOM VENT STACK(S) SHALL BE LOCATED UPSTREAM OF ALL TOILET ROOM PLUMBING FIXTURES.

4.7. DO NOT ROUTE SANITARY WASTE BELOW COOLER/FREEZER.

4.8. PROVIDE A TRAP PRIMER AT FLOOR DRAINS ONLY WHEN REQUIRED BY CODE AND/OR AS DIRECTED BY LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

5. VALVES FOR PLUMBING:
5.1. VALVES ABOVE CEILING SHALL BE 12" (MAXIMUM) ABOVE THE FINISHED CEILING OR AT BOTTOM CHORD OF BAR JOIST WHEN NO CEILING EXISTS. LOCATE VALVES IN EXPOSED CEILING SPACES OR ABOVE LAY–IN CEILINGS WHEN FEASIBLE. GENERAL CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR VALVES LOCATED ABOVE HARD CEILINGS OR CONCEALED IN WALLS.

5.2. WHEN DOUBLE TESTABLE CHECK VALVES ARE REQUIRED (WALL AND AND POST HYDRANTS ETC.), THEY SHALL BE INSTALLED 5'–0" (MAXIMUM) ABOVE FLOOR AS FOLLOWS:

5.2.1. AT RECEIVING DOOR, MOUNT ON WALL, THEN TO WALL HYDRANT.

5.2.2. HYDRANT ON ROOF–BRANCH LINE SHALL BE CONNECTED TO CHECK VALVES ON WALL IN PASSAGE #1 OR JANITOR CLOSET THEN UP WALL TO HYDRANT. PROVIDE DRAIN LINE TO FLOOR RECEPTOR.

5.3. FURNISH NSF APPROVED EXPANSION TANK WITH WATER HEATER WHEN BACKFLOW PREVENTERS OR CHECK VALVES ARE INSTALLED IN THE DOMESTIC WATER SERVICE MAIN OR AS REQUIRED PER LOCAL CODES AND ORDINANCES.

6. IRRIGATION SYSTEM:
6.1. PROVIDE A BACKFLOW PREVENTER AND A WATER METER (WHEN REQUIRED).

6.2. REFER TO LANDSCAPING/IMPROVEMENTS SECTION OF SPECIFICATIONS.

6.3. THE IRRIGATION SYSTEM CONTROLS SHALL BE LOCATED IN THE BUILDING INTERIOR AT THE SERVICE RISER LOCATION.

7. FIRE SUPPRESSION SYSTEM:
7.1. REFER TO THE FIRE SUPPRESSION DRAWING, F–510 AND THE CORRESPONDING SECTION OF THE SPECIFICATION SECTION 21 10 00.

LEGEND

(CW)	COLD WATER
(HWR)	HOT WATER RECIRCULATION
(HW)	HOT WATER
CD	CONDENSATE DRAIN
S	SANITARY SEWER
(V)	VENT
AP	ACCESS PANEL
	ASME TEMPERATURE AND PRESSURE RELIEF
	BACKFLOW PREVENTER
	FIRE RISER
FD–1	FLOOR DRAIN
FD–2	FUNNEL FLOOR DRAIN
FS–1	FLOOR SINK
FCO	FLOOR CLEAN–OUT
GCO	GRADE CLEAN–OUT IN CONCRETE COLLAR
PH	POST HYDRANT
	BALL VALVE
	VALVE – BALANCING
	UNION
WH–1	WALL HYDRANT
EWC	ELECTRIC WATER COOLER
GWH	GAS WATER HEATER
LAV	LAVATORY
MB	MOB BASIN
RO	REVERSE OSMOSIS
RP	RECIRCULATING PUMP
SK	SINK
UR	URINAL
VTR	VENT THRU ROOF WITH INCREASER
WC	WATER CLOSET
WCO	WALL CLEAN–OUT

REFERENCE KEYED NOTES

DIVISION 21 - FIRE SUPPRESSION	
21 10 01	FIRE RISER, REFER TO D–111 FOR EXACT LOCATION AND F–510 FOR REQUIREMENTS.
DIVISION 22 - PLUMBING	
22 10 04	GWH–1, WATER HEATER ON PLATFORM @ 7'–11" A.F.F.
22 10 05	WATER HEATER. SEE DETAILS ON DRAWINGS M–510 AND P–610. WHEN GAS IS AVAILABLE AND PERMITTED BY CODE, PROVIDE GAS–FIRED WATER HEATER(S).
22 10 06	WATER SERVICE, SEE DETAIL 3/P–610. COORDINATE WITH SITE PLAN FOR CONTINUATION.
22 10 07	FS–1, FLOOR SINK. DO NOT LOCATE ANY PORTION OF THE DRAIN UNDER ANY PORTION OF COOLER/FREEZER OR UNDER ANY PARTITION. DO NOT ENCROACH ON ADA PASSAGEWAY.
22 10 08	LOCATE THE FCO IN AN AISLE WITH 18" MINIMUM CLEARANCE AS SPECIFIED BY CODE.
22 10 09	COORDINATE 2" ZURN Z180 CANOPY DRAIN TIE IN WITH CIVIL.
22 10 10	REVERSE OSMOSIS FILTRATION SYSTEM (PHARMATE 4025). FILTERS, STORAGE TANK, AIR GAP FAUCET, DISPENSER(S) AND INSTALLATION KIT FURNISHED BY WALGREENS AND INSTALLED BY PLUMBING CONTRACTOR. AIR GAP FAUCET SHALL BE INSTALLED ON PHARMACY SINK. DISPENSER(S) SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN. SEE DETAIL 1/P–610 FOR ADDITIONAL INFORMATION.
22 10 13	3/4" CW DOWN TO WH–1. FURNISH WITH ISOLATION VALVE AND UNION. 18"X18" ACCESS PANEL FOR SERVICING SHALL BE PROVIDED BY GENERAL CONTRACTOR WHEN REQUIRED.
22 10 14	DRAIN FROM WATER HEATER ASME TEMPERATURE AND PRESSURE RELIEF VALVE, FULL SIZE TO FD–2.
22 10 15	COORDINATE SANITARY SEWER WITH SITE PLAN FOR CONTINUATION.
22 10 17	CW FULL SIZE UP THRU ROOF TO POST HYDRANT PH–1. SEE ARCHITECTURAL FOR LOCATION. PROVIDE A DRAIN LINE FROM DRAIN PORT TO NEAREST ACCEPTABLE RECEPTOR. PH–1 CONTROL VALVE SHALL BE LOCATED AT ROOF ACCESS, BELOW ROOF LINE. SEE DETAIL 4/P–610.
22 10 18	2" (MIN) VENT UP IN WALL.
22 10 21	FLUSH LEVER TO BE ON OPEN SIDE OF STALL PER A.D.A.
22 10 22	5"x3" DOWNSPOUT TO STORM SEWER UNDERGROUND. COORDINATE WITH CIVIL DRAWINGS.
22 10 28	FILLMASTER PLUS REVERSE OSMOSIS DISPENSER FURNISHED BY WALGREENS AND INSTALLED BY PLUMBING CONTRACTOR. DISPENSER SHALL BE INSTALLED ON THE END OF THE FINISHED WORK FIXTURE.
22 10 50	IN AREAS WITHOUT A FINISHED CEILING, PIPING SHALL NOT BE LOWER THAN 15'–0". COORDINATE LOCATION WITH GENERAL STOCK SHELVING AND LIGHTING.

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

Wedgeworks
FACILITIES PLANNING
DESIGN AND ENGINEERING
1000 WAUKEGAN ROAD, SUITE 100
DEERFIELD, IL 60015-5105

REGISTERED PROFESSIONAL ENGINEER
89444PE
OREGON
KATHERINE DUTCHMAN
EXPIRES:

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 OREGON AS SIGNIFIED BY MY HAND AND SEAL.

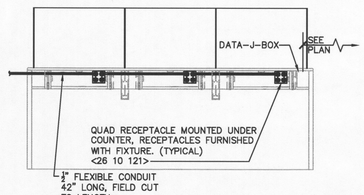
rtm engineering consultants
T: 847.782.1400 | FAX: 734.1438 | www.rtmconsultants.com

NO.	DATE	BY	DESCRIPTION
			REVISIONS
			ISSUED FOR BID
	01.12.15	RTM	CONSTRUCTION SUBMITTAL
A2	11.14.14	RTM	ASI #2
A1	03.09.2015	RTM	PRO2
	03.27.2015	RTM	

FLOOR PLAN - PLUMBING
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME: P-111
DRAWN BY: SM
DATE: 10.24.14
REVIEWED: KED

P-111



2 PHOTO KIOSK ELEVATION
NOT TO SCALE

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

REFERENCE KEYED NOTES

DIVISION 26 – ELECTRICAL

26 10 01	ONE (1) 20A.120V.1Ø CIRCUIT FOR CASH REGISTER (CR) LOCATION. SEE DETAILS 1, 2, 3 & 4/E–550 FOR RECEPTACLE QUANTITIES AND MOUNTING AND DETAIL 4/E–510 FOR CIRCUITING INFORMATION. HOMERUN BACK TO PANEL "LP–CR".
26 10 04	METER AND METER PANEL. VERIFY EXACT REQUIREMENTS WITH POWER COMPANY.
26 10 05	MAIN DISTRIBUTION PANELBOARD, TOP 7'–6" UP.
26 10 06	800AMP FEED & 800AMP MAIN CIRCUIT BREAKER: 208/120V.3ø.4W. TOP 6'–6" UP.
26 10 07	PANEL "LVS" (FOR SIEMENS ONLY). REFER TO DRAWING E–620 FOR ADDITIONAL INFORMATION.
26 10 08	SURFACE MOUNTED ELECTRICAL PANEL "LP–4", TOP 6'–6" UP.
26 10 09	SURFACE MOUNTED ELECTRICAL PANEL "LP–CR", DEDICATED TO SPECIAL ELECTRONIC EQUIPMENT. SEE PANEL SCHEDULE ON DRAWING E–630.
26 10 10	SURFACE MOUNTED ELECTRICAL PANEL "LP–1".
26 10 11	SURFACE MOUNTED ELECTRICAL PANEL "LP–2", TOP 6'–6" UP.
26 10 12	SURFACE MOUNTED ELECTRICAL PANEL "LP–3", TOP 6'–6" UP.
26 10 14	SIGN PANEL "LP–SP".
26 10 15	ONE (1) 20A.120V.1Ø CURCUIT FROM PANEL "LP–CR". CONNECT TO FOUR (4) DUPLEX RECEPTACLES FOR BURGLAR ALARM, TELEPHONE AND SOUND SYSTEM, UPS COMM MODULE AND FUTURE EMS SYSTEM.
26 10 19	ONE (1) 20A.120V.1Ø TIME/ATTENDANCE SYSTEM (ELECTRONIC TIME CLOCK) CIRCUIT FROM PANEL "LP–CR", RECEPTACLE 3'–8" UP.
26 10 23	BALER (5 H.P.208V.3Ø), PROVIDE A 30A LOCKABLE DISCONNECT SWITCH LOCATED ON WALL (4'–0" A.F.F.) WITHIN 4'–0" OF THE BALER. FINAL CONNECTION AND CONTROL WIRING BY THE BALER INSTALLER.
26 10 25	ELECTRIC WATER COOLER OUTLET, MOUNTED 1'–6" A.F.F. PROVIDE GFCI TYPE CIRCUIT BREAKER WITH LOCK–ON. (GFCI RECEPTACLE IS ACCEPTABLE, IF THE RECEPTACLE IS NOT ENCLOSED WITHIN THE ELECTRIC WATER COOLER HOUSING).
26 10 26	ONE(1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP–CR" CONNECTED TO DUPLEX RECEPTACLE, MOUNTED 9'–0" A.F.F. FOR INDYME DOOR MONITORING.
26 10 27	1000W GFCI OUTLET, RECEPTACLE WITH PILOT LIGHT SWITCH LOCATED 3'–8" A.F.F., CENTERED ON EDGE OF CABINET AT KNEE SPACE. REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWING FOR ADDITIONAL INFORMATION.
26 10 29	ELECTRIC WALL HEATER, TPI CORP. (RAYWALL/MARKEL) 3420 SERIES, 208V.1Ø. 2000W, FORCED AIR, BUILT–IN TAMPER–PROOF THERMOSTAT, RECESS MOUNTED, 1'–0" A.F.F.
26 10 30	500W OUTLET, RECEPTACLE 1'–6" A.F.F. FOR REFRIGERATOR OR FREEZER. PROVIDE LOCK–ON CIRCUIT BREAKER.
26 10 34	208V.3Ø WALK–IN COOLER/FREEZER CONDENSING UNIT (MRS–2–CB) WITH 125A.3P. NON–FUSED SAFETY DISCONNECT SWITCH ON ROOF. PROVIDE HACR CIRCUIT BREAKER AT PANEL MDP.
26 10 35	ONE (1) 20A.120V.1Ø CIRCUIT FOR ANTHONY FREEZER/COOLER DOOR LIGHTING, OUTLET MOUNTED 10'–0" A.F.F.
26 10 36	ONE (1) 20A.120V.1Ø CIRCUIT FOR ANTHONY COOLER DOOR FRAME HEATERS, OUTLET MOUNTED 10'–0" A.F.F.
26 10 38	ONE (1) 20A.120V.1Ø CIRCUIT FOR "V MODEL" WALK–IN COOLER/FREEZER MANDOOR HEATERS AND ONE(1) 20A.120V.1Ø CIRCUIT FOR COOLER/FREEZER INTERIOR LIGHTS, OUTLET MOUNTED 10'–0" A.F.F.
26 10 39	ONE (1) 20A.120V.1Ø CIRCUIT FOR WALK–IN FREEZER CONDENSATE DRAIN LINE HEAT TRACING, OUTLET MOUNTED 10'–0" A.F.F.
26 10 40	TWO (2) 20A.120V.1Ø CIRCUITS FOR ANTHONY FREEZER GLASS DOOR & FRAME HEATERS, OUTLET MOUNTED 10'–0" A.F.F.
26 10 41	JUNCTION BOX (MOUNTED 9'–6" A.F.F.) FOR HOT WATER RECIRCULATION PUMP, WITH A SINGLE POLE DISCONNECT SWITCH. CONNECT TO PANEL "LP–1". REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
26 10 42	ONE (1) 20A.3Ø.5W.120/208V, TWIST–LOCK RECEPTACLE, NEMA CONFIGURATION L21–20R FOR POWER MONITORING EQUIPMENT.
26 10 43	ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP–CR", FOR FIRE ALARM SYSTEM. HARD–WIRED TO FIRE ALARM SYSTEM.
26 10 47	ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP–CR" FOR UPS COMMUNICATION. MOUNT RECEPTACLE 3'–6" A.F.F.
26 10 51	LED SIGN POWER SUPPLY RACK, SEE DRAWING E–171 FOR COMPLETE INFORMATION.
26 10 52	FLOOR OR WALL OUTLET, CONNECT TO MULTI–OUTLET RACEWAY ASSEMBLY (PLUGMOLD) WITH RECEPTACLES SPACED 6" FROM CENTERS. SEE DETAIL 7/E–550.
26 10 54	200W FLOOR OUTLET, CONNECTED TO RECEPTACLE, 2 1/2" UP ON FACE OF BASE. MOUNT RECEPTACLE (COLOR: BLACK) HORIZONTALLY. SEE DETAIL 1/E–520.
26 10 55	FLOOR OUTLET CONNECTED TO RECEPTACLE(S) ON TOP OF GONDOLA, SEE DETAIL 7/E–550. PROVIDE CIRCUITS FROM A CONTROLLED PANEL. SEE DRAWING E–610 CONTROL SCHEDULE.
26 10 56	ONE (1) 20A.120V.1Ø CIRCUIT, CONNECT TO DUPLEX RECEPTACLE, 1'–6" A.F.F. FOR IRRIGATION CONTROL.
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.
26 10 60	200W OUTLET WITH RECEPTACLE MOUNTED INSIDE CASH REGISTER STAND. REFER TO DETAILS 1, 2, 3 & 4/E–550 FOR OUTLET MOUNTING.
26 10 63	MEN'S/WOMEN'S BATHROOM EXHAUST FAN "EF–1", ROOF MOUNT WITH LOCK–OUT AT MOTOR & SWITCH "ON/OFF" VIA LIGHTING CONTROL SYSTEM. SPEED CONTROL SWITCH FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR. (REFER TO PANEL LP–1 SCHEDULE FOR CIRCUIT NUMBER).
26 10 64	AIR CURTAIN (AC–1), FURNISHED BY MECHANICAL CONTRACTOR & INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO DRAWINGS A–530, E–630, E–650, M–111 & M–610 FOR ADDITIONAL INFORMATION.
26 10 66	200W GENERAL PURPOSE DUPLEX RECEPTACLE, MOUNTED AT 10'–6" A.F.F. (AT ACCESS POINT TO AREA ABOVE WALK–IN COOLER/FREEZER), FOR MAINTENANCE USE.
26 10 67	EMPLOYEE ROOM EXHAUST FAN "EF–2", ROOF MOUNT WITH LOCK–OUT AT MOTOR & SWITCH "ON/OFF" VIA LIGHTING OCCUPANCY SENSOR. SPEED CONTROL SWITCH FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR
26 10 68	FLOOR OUTLET WITH ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL LP–CR CONNECTED TO TWO (2) DUPLEX RECEPTACLES FOR PHOTO WORKSTATION. MOUNT RECEPTACLE BELOW CABINET.
26 10 69	200W GENERAL PURPOSE DUPLEX RECEPTACLE, MOUNTED AT 1'–6" A.F.F., UNLESS NOTED OTHERWISE.
26 10 70	ONE (1) 20A.120V.1Ø.3W ATM OUTLET, MOUNTED 1'–6" A.F.F. UNSWITCHED DIRECT INDIVIDUAL BRANCH CIRCUIT FROM PANEL "LP–CR". PROVIDE THREE (3) #12, WITH THIRD WIRE UTILIZED AS GROUND. (CONDUIT GROUND IS NOT ACCEPTABLE).
26 10 75	TWO (2) 20A.120V.1Ø CIRCUITS (1/2"C–2#12 & 1#12 DEDICATED GROUND) EACH CIRCUIT WITH DUPLEX RECEPTACLE MOUNTED AT 1'–6" A.F.F. FOR FUJIFILM DL430 PAPER PROCESSOR AND IMAGE PROCESSOR PC. GROUND SHALL CONNECT TO LUG ATTACHED TO PANELBOARD ENCLOSURE ON PANEL FEEDING THIS EQUIPMENT.
26 10 77	26 10 77 – ONE (1) 20A.120V.1Ø CIRCUIT, WITH SIMPLEX RECEPTACLE(S) (QUANTITY NOTED ON PLAN), MOUNTED TO BOTTOM OF ROOF STRUCTURE FOR ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEM. SEE DETAIL 5/E–550 FOR FURTHER INFORMATION. PROVIDE LOCK–ON CIRCUIT BREAKER.
26 10 78	5A.120V.1Ø OUTLET MOUNTED 14'–0" A.F.F. MINIMUM FOR AUTOMATIC SLIDING DOOR(S). FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
26 10 79	ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP–4" FOR LUTRON SHADE POWER PANEL, OUTLET MOUNTED TO BOTTOM OF ROOF STRUCTURE. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS & SHADE WIRING DIAGRAM ON DRAWING E–550.
26 10 80	ONE (1) 20A.120V.1Ø CIRCUIT (1/2"C–2#12 & 1#12 DEDICATED GROUND) WITH DUPLEX RECEPTACLE MOUNTED AT 1'–6" A.F.F. FOR EPSON 7890 LARGE FORMAT PRINTER.
26 10 93	FLOOR MOUNTED OUTLET WITH FLEXIBLE CONDUIT CONNECTED TO RECEPTACLES LOCATED AS DEFINED BY FIXTURE PROVIDER OR AS NOTED OTHERWISE.
26 10 120	ONE (1) 20A.120V.1Ø CIRCUIT CONNECTED TO TWO (2) DUPLEX RECEPTACLES FLUSH MOUNTED IN CONCRETE ENCASED 2–GANG DEEP FLOOR BOX (HUBBELL #B423341 WITH HUBBELL #S3825 BRASS COVERPLATES) FOR GDM COOLERS.
26 10 121	OUTLET WITH ONE (1) 20A.120V.1Ø CIRCUIT CONNECTED TO TWO (2) QUAD RECEPTACLES FOR EACH PHOTO KIOSK.
26 10 123	ONE (1) 20A.120V.1Ø CIRCUIT FROM DEDICATED COMPUTER PANEL "LP–CR" CONNECTED TO CEILING MOUNTED DUPLEX RECEPTACLE FOR DISPLAY MONITOR.
26 10 124	ELECTRICAL CONTRACTOR TO FURNISH SLEEVE ASSEMBLY SHOWN ON DETAIL C/A–510. MASONRY CONTRACTOR TO INSTALL AND COORDINATE WITH ELECTRICAL CONTRACTOR.
26 10 126	ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ONE (1) WEATHER–PROOF JUNCTION BOX (RECESS MOUNTED) 3'–6" A.F.F. WITH BLANK COVER PLATE AND 1" CONDUIT STUBBED UP ABOVE GENERAL SALES AREA FOR FUTURE "RED BOX" KIOSK.
26 10 127	ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ONE (1) JUNCTION BOX (RECESS MOUNTED) AT 4'–6" A.F.F. WITH BLANK COVER PLATE AND 1" CONDUIT STUBBED UP ABOVE GENERAL SALES AREA FOR CCTV CAMERA.
26 10 130	FLOOR MOUNTED JUNCTION BOX WITH DUPLEX RECEPTACLE FROM CONTROLLED CIRCUIT LOCATED BELOW ACCESS PANEL IN FIXTURE.
26 10 132	SPACE FOR FIRE ALARM PANEL (IF REQUIRED).
26 10 137	GENERAL PURPOSE, DUPLEX RECEPTACLE FLUSH MOUNTED IN COUNTER TOP, UNLESS NOTED OTHERWISE. RECEPTACLE FURNISHED WITH FIXTURE, INSTALLED BY ELECTRICAL CONTRACTOR.
26 10 144	FLOOR MOUNTED JUNCTION BOX WITH GENERAL PURPOSE DUPLEX RECEPTACLE MOUNTED INSIDE FRAGRANCE CASE. REFER TO DETAIL 13/E–550 FOR MOUNTING.
26 10 212	EXHAUST FAN, WALL MOUNT WITH LOCK–OUT AT MOTOR & SWITCH "ON/OFF" VIA SPEED CONTROL SWITCH FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR.

NOTES

1. DIMENSIONAL HEIGHTS OF OUTLETS AND RECEPTACLES SHALL BE MEASURED FROM FINISHED SALES AREA FLOOR TO THE CENTER OF THE OUTLET OR RECEPTACLE.
2. ALL RECEPTACLES SHALL BE GROUNDING TYPE.
3. FOR ALL RECEPTACLES FED FROM PANEL "LP–CR", PROVIDE A LABEL ON THE FACEPLATE INDICATING PANEL "LP–CR" AND CIRCUIT NUMBER USING A P–TOUCH LABELING MACHINE.
4. SEE DRAWING E–640 FOR WALK–IN COOLER/FREEZER WIRING DIAGRAM AND NOTES.
5. ALL HVAC EQUIPMENT LISTED ON DRAWING M–610 TO BE INSTALLED BY MECHANICAL CONTRACTOR. ALL CIRCUITS TO BE ON LOCK–ON BREAKERS. ALL COMPRESSORS SHALL HAVE BUILT–IN MAGNETIC STARTERS AND DISCONNECTS.
6. 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 (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION).
7. 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.
8. 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.
9. ELECTRICAL CONNECTION FOR ROOFTOP HVAC UNITS SHALL BE ROUTED UP THRU ROOF WITHIN UNIT CURB.
10. DIMENSIONS ARE FROM FINISHED WALL. SEE ARCHITECTURAL DRAWINGS FOR WALL THICKNESS.
11. ALL CONDUITS ROUTED ABOVE THE GENERAL SALES AREA SHALL BE RUN IN A NEAT AND ORGANIZED FASHION EITHER PARALLEL OR PERPENDICULAR TO THE ROOF STRUCTURE.
12. ALL WALL MOUNTED JUNCTION BOXES LOCATED ABOVE THE GENERAL SALES AREA SHALL BE MOUNTED NO LOWER THAN 14'–0" A.F.F., UNLESS OTHERWISE NOTED.
13. ALL RACEWAYS (INCLUDING CONDUITS, JUNCTION BOXES, TROUGHS, ETC.) LOCATED ABOVE THE GENERAL SALES AREA SHALL BE PAINTED WITH FINISHES SELECTED BY ARCHITECT.

LEGEND

- OUTLET (WATTAGE AND LOCATION AS NOTED)
- FLOOR JUNCTION BOX (WATTAGE AND LOCATION AS NOTED)
- STANDARD SINGLE RECEPTACLE
- STANDARD DUPLEX RECEPTACLE
- STANDARD SIMPLEX, TWST–LOCK (TL), RECEPTACLE
- SURGE PROTECTIVE DEVICE (SPD) DUPLEX RECEPTACLE
- HOMERUN
- MULTI–OUTLET RACEWAY ASSEMBLY (PLUGMOLD)
- MOTOR
- NON–FUSIBLE SAFETY DISCONNECT SWITCH
- FUSIBLE SAFETY DISCONNECT SWITCH
- FINAL CONNECTION TO EQUIPMENT
- METER SOCKET
- CASH REGISTER CONDUITS/OUTLETS/RECEPTACLES LOCATION (SEE DETAILS ON DRAWING E–550)

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

REGISTERED PROFESSIONAL ENGINEER
THADEUS J. SKOCZYNSKI
80395TE
OREGON
MAR 26 2015

I HEREBY CERTIFY THAT THIS PLAN AND 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 OREGON AS SIGNIFIED BY MY HAND AND SEAL.

rtm engineering consultants

NO.	DATE	BY	DESCRIPTION
			REVISIONS
			ISSUED FOR BID
			CONSTRUCTION SUBMITTAL
			ASI #02
			PR02
1	01.12.15	RTM	
2	03.06.2015	RTM	
3	03.27.2015	RTM	

FLOOR PLAN - POWER

PROJECT ID: 14-0152-01A

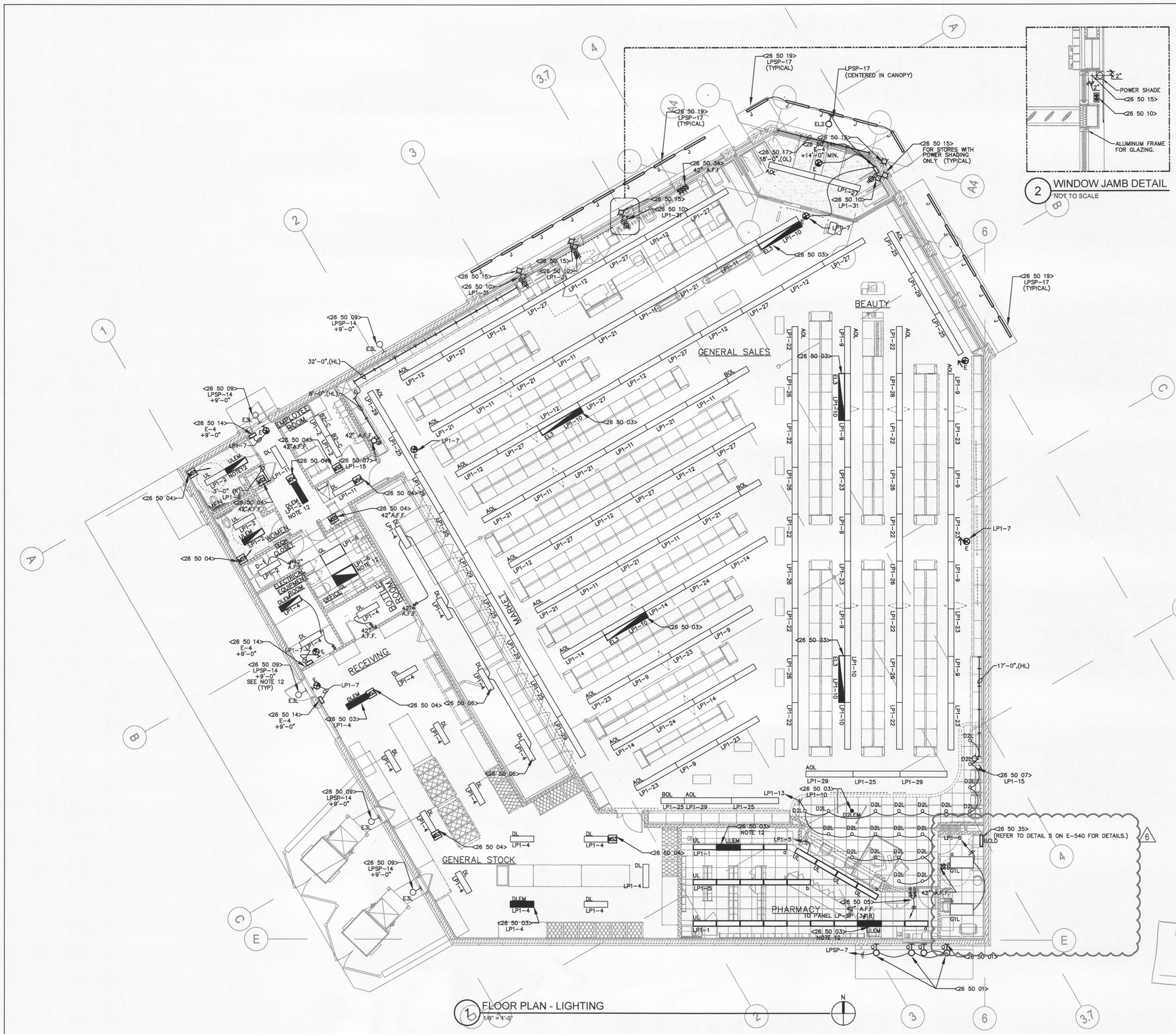
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: TJS/AT
DATE: 10.24.14
REVIEWED:

E-111

THADEUS J. SKOCZYNSKI 3/26/2015 8:54 AM P:\2014\14-WIL-014 - 16251 WALGREENS PORTLAND GROUND-UP\04 REP-CAD\E111



b FLOOR PLAN - LIGHTING
1/8" = 1'-0"

2 WINDOW JAMB DETAIL
NOT TO SCALE

REFERENCE KEYED NOTES

DIVISION 26 – ELECTRICAL	
26 50 01	EXTERIOR WALL MOUNTED LUMINAIRE. SEE EXTERIOR ARCHITECTURAL ELEVATIONS FOR LOCATION.
26 50 03	NIGHT/EMERGENCY LIGHTS (TO BE CIRCUITED AND SWITCHED SEPARATELY) WHEN REQUIRED.
26 50 04	OCCUPANCY SENSOR, PURCHASED THROUGH NATIONAL ACCOUNT (SEE SCHEDULE ON DRAWING E-520). (LAYOUT OF OCCUPANCY SENSORS SHOWN ON PLAN IS FOR LEVITON. CONTACT HUBBELL FOR THEIR RESPECTIVE LAYOUT).
26 50 05	PHARMACY LOCAL OVERRIDE, LOW VOLTAGE, MOMENTARY SWITCHES. REFER TO DRAWING E-620 FOR CONTROL WIRING DETAILS.
26 50 06	LUMINAIRE "D", MOUNTED ABOVE WALK-IN COOLER/FREEZER FOR MAINTENANCE OF EQUIPMENT (SWITCH AS SHOWN).
26 50 07	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 1/E-520. COORDINATE WITH WALL SHELVING STANDARDS.
26 50 09	WALL MOUNTED, EMERGENCY EGRESS LUMINAIRE "E-3". SEE SHEET E-520 FOR DETAILS.
26 50 10	200W OUTLET WITH RECEPTACLE FLUSH MOUNTED IN WINDOW JAMB AT WINDOW HEAD 10'-10" FOR WINDOW SIGN.
26 50 14	SURFACE MOUNTED POWER PACK "E-4".
26 50 15	PROVIDE OUTLET, MOUNTED 2" FROM THE FACE OF ALUMINUM FRAME AND 2" DOWN FROM TOP OF THE FINISHED OPENING FOR LOW VOLTAGE CABLES TO POWER SHADE MOTORS. ROUTE CABLES VIA POWER PANEL LOCATED BY FRONT ENTRANCE. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS & SHADE WIRING DIAGRAM ON DRAWING E-550.
26 50 17	EXTERIOR ACCENT FIXTURE, SEE NOTE 13 AND DETAILS 1/A-310 AND 10/A-510 FOR MOUNTING INFORMATION.
26 50 18	OUTLET BOX MOUNTED IN ACCESSIBLE LIGHT SHELF MAINTENANCE AREA, CONNECT TO "O" LUMINAIRE (LENGTH AS NOTED).
26 50 19	LUMINAIRE MOUNTED IN FRONT ENTRANCE CANOPY, CENTERED BETWEEN STRUCTURAL SUPPORT ARMS. REFER TO ARCHITECTURAL EXTERIOR WALL SECTIONS FOR MOUNTING INFORMATION.
26 50 34	LOW VOLTAGE MOMENTARY CONTACT SWITCHES FOR MANUAL CONTROL OF SALES AREA LIGHTING AND OVERRIDE CONTROL FOR EXTERIOR SIGNAGE AND SITE LIGHTING.
26 50 35	UNDERCABINET LIGHTING FIXTURE TO BE FURNISHED BY FURNITURE VENDOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

NOTES

1. FOR LUMINAIRE SCHEDULE AND DETAILS REFER TO DRAWING E-520.
2. FOR CONTROL SCHEDULE, CONTROL DIAGRAMS, AND ELECTRICAL PANEL SCHEDULES REFER TO DRAWINGS E-610 THRU E-630.
3. SEE NOTE 3, ON DRAWING E-510 FOR EMERGENCY AND EXIT LUMINAIRE INFORMATION.
4. LUMINAIRES INSTALLED IN CONTINUOUS ROWS SHALL BE GROUNDED 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.
5. DO NOT CONNECT EMERGENCY LIGHTS OR EXIT SIGNS TO ANY OTHER LUMINAIRES. PROVIDE SEPARATE RACEWAY SYSTEM ONLY WHERE REQUIRED, SUCH AS IN CHICAGO. CONNECT TO THE STANDARD ELECTRICAL SYSTEM WHEN ACCEPTABLE TO THE LOCAL CODE AUTHORITY.
6. "H" LUMINAIRE LENGTHS SHOWN FOR REFERENCE ONLY. TOTAL LENGTHS OF LUMINAIRE DEPEND ON THE LOCATION OF BEAUTY OR 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 FOR A COPY OF DRAWING D-111.
7. INTERIOR LIGHTING FOR WALK-IN COOLER/FREEZER UNIT TO BE WALL SWITCHED.
8. STOCK AREA LIGHTING TO BE MOUNTED ABOVE AISLE. DO NOT MOUNT ABOVE SHELVING.
9. CEILING LIGHTS ARE TO BE HUNG FROM THE BAR JOIST MEMBERS AT THE DIAGONAL CORNERS.
10. 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.
11. PROVIDE EMERGENCY LIGHTING TO MEET THE REQUIRED FOOT CANDLE LEVEL PER LOCAL CODE.
12. FOR EMERGENCY BALLAST WIRING FED FROM PANEL LP-1 CIRCUITS 1,5,6, & LPSP CIRCUIT 14 REFER TO DETAIL 4 ON DRAWING E-620.
13. "O" LUMINAIRE LENGTHS SHOWN FOR REFERENCE ONLY. TOTAL LENGTHS OF LUMINAIRE DEPEND ON THE LENGTH OF THE ARCHITECTURAL LIGHT SHELF. PROVIDE NO MORE THAN 6" OF SPACE FROM LUMINAIRES TO END OF LIGHT SHELF.

LEGEND

- FLUORESCENT LIGHTING – SEE DRAWING E-520 FOR LUMINAIRE SCHEDULE AND DETAILS.
- FLUORESCENT NIGHT/EMERGENCY LIGHT
- FLUORESCENT FIXTURE WITH EMERGENCY BALLAST
- TRACK LIGHTING
- DOWNLIGHT OR PENDANT FIXTURE
- EXTERIOR LUMINAIRE (WALL MOUNTED)
- OUTLET (WATTAGE AND LOCATION AS NOTED)
- EXIT LIGHT: 'E' (CEILING MOUNTED WITH PENDANT)
- EXIT LIGHT: 'E' (WALL MOUNTED)
- $ SWITCH
- $P SWITCH WITH PILOT LIGHT
- $3W SWITCH, 3-WAY
- MS OCCUPANCY SENSOR SWITCH, ARROW INDICATES DIRECTION OF RECEIVER (IF APPLICABLE)

City of Portland REVIEWED FOR CODE COMPLIANCE MAY 12 2015 Permit Number

Walgreens
FACILITIES PLANNING DESIGN AND ENGINEERING
1416 LAKE COOK ROAD
DEERFIELD, IL 60015-5105

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER 89368PE OREGON TIMOTHY R. MICHAEL VICHA MAR 26 2015

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 OREGON AND SIGNIFIED BY MY HAND AND SEAL.

rtm engineering consultants

NO.	DATE	BY	REVISIONS
			PR02
4	03.27.2015	RTM	ASI #02
3	03.09.2015	RTM	CONSTRUCTION SUBMITTAL
	01.12.15	RTM	ISSUED FOR BID
	11.14.14	RTM	DESCRIPTION

FLOOR PLAN - LIGHTING

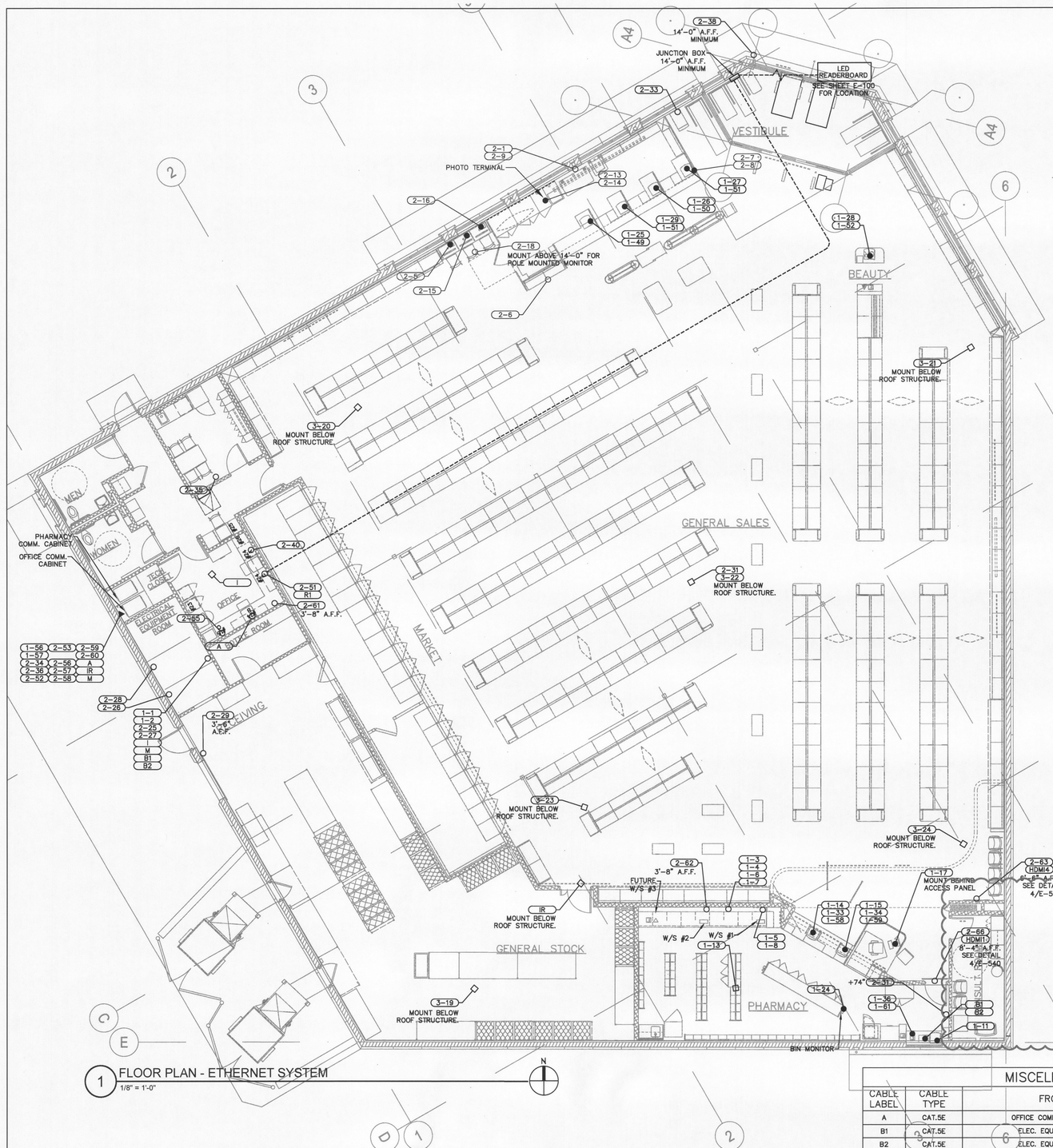
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY: TJS/AT
DATE: 10.24.14
REVIEWED:

E-121

THURSDAY, MARCH 26, 2015 8:54 AM T:\2014\14-MUL-014 - 16251 WALGREENS PORTLAND GROUND-UP\08 MEP-CAD\E121



1 FLOOR PLAN - ETHERNET SYSTEM
1/8" = 1'-0"

LEGEND

COMM.	COMMUNICATION
DVR	DIGITAL VIDEO RECORDER
ELEC.	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
EQUIP.	EQUIPMENT
IBN	IN-STORE BROADCASTING NETWORK
IMS	INTEL MODULAR SERVER
NAS	NETWORK-ATTACHED-STORAGE
POS	POINT OF SALE
VOIP	VOICE OVER IP
W/S	WORKSTATION
	JUNCTION BOX IN NEAREST WALL
	JUNCTION BOX UNDERNEATH FIXTURE
	JUNCTION BOX ABOVE CEILING
	CONNECTED TO EQUIPMENT IN COMMUNICATION CABINET
	PORTS RESERVED FOR EQUIPMENT NOT USED ON THIS LAYOUT

NOTES

1. 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.
2. CONDUIT BENDS SHALL HAVE A MINIMUM RADIUS OF EIGHT TIMES THE CONDUIT DIAMETER.
3. ALL CONDUITS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE PULL BOX AT Rx COMMUNICATION CABINET LOCATION. ELECTRICAL CONTRACTOR SHALL FURNISH #12 PULL STRING IN EACH CONDUIT.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND #12 PULL STRING FOR CABLE "M" UNDER "MISCELLANEOUS CABLING".
5. IF CABLES ARE ROUTED BELOW FLOOR USE 1" CONDUIT (MINIMUM).
6. IF CABLES ARE ROUTED ABOVE CEILING (SEE DETAIL 6/E-550 FOR CONDUIT IN WALL) THEN NO CONDUIT IS NECESSARY ABOVE CEILING WHEN CABLES ARE RATED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE FOR USE ABOVE CEILING, OTHERWISE PROVIDE 3/4" CONDUIT MINIMUM.
7. FOR FURTHER INFORMATION CONTACT WALGREENS CONSTRUCTION AND FACILITIES MANAGEMENT DEPARTMENT @ (847) 315-6846.
8. ALL CABLES AND CONDUITS ROUTED ABOVE THE GENERAL SALES AREA SHALL BE RUN IN A NEAT AND ORGANIZED FASHION EITHER PARALLEL OR PERPENDICULAR TO THE ROOF STRUCTURE.
9. ALL CONDUITS FOR LOW VOLTAGE CABLING AND SPARES (FOR FUTURE USE) THAT ARE STUBBED-UP ABOVE THE GENERAL SALES AREA SHALL BE LOCATED AS HIGH AS POSSIBLE.
10. ALL WALL MOUNTED JUNCTION BOXES LOCATED ABOVE THE GENERAL SALES AREA SHALL BE MOUNTED NO LOWER THAN 14'-0" A.F.F., UNLESS OTHERWISE NOTED.
11. ALL RACEWAYS (INCLUDING CONDUITS, JUNCTION BOXES, TROUGHS, ETC.) LOCATED ABOVE THE GENERAL SALES AREA SHALL BE PAINTED WITH FINISHES SELECTED BY ARCHITECT.
12. DATA CABLES BEHIND COMMUNICATION CABINETS SHALL BE ROUTED VIA SURFACE MOUNTED RACEWAY FURNISHED AND INSTALLED BY WALGREENS' CONTRACTOR.

CAT.5E CABLING FROM PHARMACY COMM. CABINET

CABLE LABEL	TO
3-1	T1 EXTENSION FOR TAKE CARE CLINIC
3-2	TAKE CARE EXAM ROOM #1
3-3	TAKE CARE EXAM ROOM #2
3-4	TAKE CARE EXAM ROOM #3
3-5	TAKE CARE RECEPTION AREA TERMINAL
3-6	TAKE CARE KIOSK #1
3-7	TAKE CARE KIOSK #2
3-8	TAKE CARE MONITOR
3-9	HEALTH CORNER LEFT WALL
3-10	HEALTH CORNER MONITOR
3-11	HEALTH CORNER RIGHT WALL
3-12	HEALTH CORNER BACK WALL
3-13	HEALTH CORNER BACK WALL
3-14	DEMARC - T1 EXTENSION TO PHARMACY
3-15	WIRELESS ACCESS POINT
3-16	WIRELESS ACCESS POINT
3-17	WIRELESS ACCESS POINT
3-18	WIRELESS ACCESS POINT
3-19	WIRELESS ACCESS POINT
3-20	WIRELESS ACCESS POINT
3-21	WIRELESS ACCESS POINT
3-22	WIRELESS ACCESS POINT
3-23	WIRELESS ACCESS POINT
3-24	WIRELESS ACCESS POINT

CONDUIT AND CABLE SCHEDULE

CONDUIT SIZE	MAXIMUM NUMBER OF CAT.5E CABLES
3/4"	3
1"	5
1-1/4"	8
1-1/2"	15
2"	20

CAT.5E CABLING FROM PHARMACY COMM. CABINET

CABLE LABEL	TO
1-1	ELEC. EQUIP. ROOM - T1
1-2	ELEC. EQUIP. ROOM - T1 BACKUP
1-3	PHARMACY FILLING WORKSTATION #3
1-4	PHARMACY FILLING WORKSTATION #2
1-5	PHARMACY FILLING WORKSTATION #1
1-6	PHARMACY FILLING WORKSTATION #3 SCALE
1-7	PHARMACY FILLING WORKSTATION #2 SCALE
1-8	PHARMACY FILLING WORKSTATION #1 SCALE
1-9	REFILL KIOSK #1
1-10	REFILL KIOSK #2
1-11	DRIVE THRU W/S #1
1-12	DRIVE THRU W/S #2
1-13	PHARMACY ROBOTICS
1-14	PHARMACY REGISTER MEET & GREET
1-15	PHARMACY REGISTER MEET & GREET
1-16	PHARMACY REGISTER MEET & GREET
1-17	PHARMACIST WORK STATION
1-18	REFILL KIOSK #1
1-19	REFILL KIOSK #1
1-20	BIN MONITOR #1 - EXPRESS KIOSK
1-21	REFILL KIOSK #2
1-22	REFILL KIOSK #2
1-23	REFILL KIOSK #2 - SPARE
1-24	BIN MONITOR #2 - FINISHED WORK CABINET
1-25	FRONT CASH REGISTER
1-26	FRONT CASH REGISTER
1-27	FRONT CASH REGISTER
1-28	BEAUTY CASH REGISTER
1-29	FRONT CASH REGISTER
1-30	PHOTO CASH REGISTER
1-31	PHOTO CASH REGISTER
1-32	OPEN PORT
1-33	PHARMACY CASH REGISTER
1-34	PHARMACY CASH REGISTER
1-35	PHARMACY CASH REGISTER
1-36	PHARMACY DRIVE THRU CASH REGISTER
1-37	PHARMACY DRIVE THRU CASH REGISTER
1-38	LIQUOR DEPARTMENT CASH REGISTER
1-39	LIQUOR DEPARTMENT CASH REGISTER
1-40	LIQUOR DEPARTMENT CASH REGISTER
1-41	FRONT CASH REGISTER
1-42	FRONT CASH REGISTER
1-43	LOOK BOUTIQUE CASH REGISTER
1-44	LOOK BOUTIQUE CASH REGISTER
1-45	LOOK BOUTIQUE CASH REGISTER
1-46	OPEN PORT
1-47	OPEN PORT
1-48	PHARMACY WAITING AREA KIOSK
1-49	FRONT CASH REGISTER - COUPON PRINTER
1-50	FRONT CASH REGISTER - COUPON PRINTER
1-51	FRONT CASH REGISTER - COUPON PRINTER
1-52	BEAUTY CASH REGISTER - COUPON PRINTER
1-53	BEAUTY CASH REGISTER - COUPON PRINTER
1-51	FRONT CASH REGISTER - COUPON PRINTER
1-55	PHOTO CASH REGISTER - COUPON PRINTER
1-56	OFFICE COMM. CABINET - CATALINA CONTROLLER
1-57	OFFICE COMM. CABINET - CATALINA CONTROLLER
1-58	PHARMACY CASH REGISTER - COUPON PRINTER
1-59	PHARMACY CASH REGISTER - COUPON PRINTER
1-60	PHARMACY CASH REGISTER - COUPON PRINTER
1-61	PHARMACY DRIVE THRU - COUPON PRINTER
1-62	PHARMACY DRIVE THRU - COUPON PRINTER
1-63	LIQUOR CASH REGISTER - COUPON PRINTER
1-64	LIQUOR CASH REGISTER - COUPON PRINTER
1-65	LIQUOR CASH REGISTER - COUPON PRINTER
1-66	FRONT CASH REGISTER - COUPON PRINTER
1-67	FRONT CASH REGISTER - COUPON PRINTER
1-68	LOOK BOUTIQUE CR - COUPON PRINTER
1-69	LOOK BOUTIQUE CR - COUPON PRINTER
1-70	LOOK BOUTIQUE CR - COUPON PRINTER
1-71	OPEN PORT
1-72	OPEN PORT

CAT.5E CABLING FROM PHARMACY COMM. CABINET

CABLE LABEL	TO
2-1	PHOTO PROCESSOR - DRY LAB
2-2	PHOTO PROCESSOR
2-3	PHOTO PROCESSOR - WET LAB
2-4	PHOTO WORK COUNTER VOIP PHONE
2-5	PHOTO KIOSK #1
2-6	LARGE FORMAT PRINTER
2-7	PHOTO WORKSTATION #1 PC
2-8	PHOTO WORKSTATION #1 PRINTER
2-9	PHASER PRINTER
2-10	PHOTO SPARE
2-11	OPEN PORT
2-12	PHOTO SPARE
2-13	PHOTO WORKSTATION #2 PC
2-14	PHOTO WORKSTATION #2 PRINTER
2-15	PHOTO KIOSK #2
2-16	PHOTO KIOSK #3
2-17	PHOTO KIOSK #4
2-18	PHOTO DISPLAY MONITOR
2-19	SILVER RECOVERY UNIT
2-20	CONSULT ROOM
2-21	HEALTH GUIDE EQUIPMENT - TERMINAL #1
2-22	HEALTH GUIDE EQUIPMENT - TERMINAL #2
2-23	HEALTH GUIDE EQUIPMENT - TERMINAL #3
2-24	HEALTH GUIDE EQUIPMENT - VOIP PHONE
2-25	ELEC. EQUIP. ROOM - SECURITY/ALARM PANEL
2-26	ELEC. EQUIP. ROOM - LIGHTING CONTROL PANEL
2-27	ELEC. EQUIP. ROOM - MUSIC ON HOLD
2-28	ELEC. EQUIP. ROOM - UPS
2-29	RECEIVING AREA VOIP PHONE
2-30	EMPLOYEE ROOM VOIP PHONE
2-31	SALES AREA CEILING - WS2000 ANTENNA
2-32	ELEC. EQUIP. ROOM - CARRIER EMS
2-33	ATM #1
2-34	OFFICE - INDYME CONTROLLER
2-35	TIME CLOCK
2-36	OFFICE COMM. CABINET - AMSI
2-37	2ND FLOOR - WS2000 ANTENNA
2-38	ELECTRONIC ARTICLE SURVEILLANCE
2-39	OPEN PORT
2-40	NEXT GEN POS TERMINAL
2-41	DRIVE THRU VOIP PHONE
2-42	DRIVE THRU VOIP PHONE
2-43	ADDITIONAL STOCK ROOM
2-44	ADDITIONAL STOCK ROOM
2-45	OPEN PORT
2-46	OPEN PORT
2-47	OPEN PORT
2-48	OPEN PORT
2-49	AXIS PRINT SERVER (#22 ON D-111)
2-50	THIN CLIENT
2-51	OFFICE PC (#24C ON D-111)
2-52	OFFICE COMM. CABINET - AS400 SERVER
2-53	OFFICE COMM. CABINET - PHARMACY ROBOT
2-54	ATM #2
2-55	TRAINING TERMINAL (#15C ON D-111)
2-56	OFFICE COMM. CABINET - IMS CMM
2-57	OFFICE COMM. CABINET - IMS #1
2-58	OFFICE COMM. CABINET - IMS #2
2-59	OFFICE COMM. CABINET - IBN SERVER
2-60	OFFICE COMM. CABINET - SPARE
2-61	OFFICE - DISTRICT MANAGER
2-62	PHARMACY DISTRICT MANAGER
2-63	PHARMACY WAITING AREA DISPLAY MONITOR
2-64	MULTIPURPOSE ROOM TERMINAL
2-65	MULTIPURPOSE ROOM PRINTER/FAX
2-66	HEALTH GUIDE DISPLAY MONITOR
2-67	HEALTH GUIDE DISPLAY MONITOR
2-68	HEALTH GUIDE DISPLAY MONITOR
2-69	LIQUOR VOIP PHONE
2-70	PRICE CHECKER
2-71	PRICE CHECKER
2-72	PRICE CHECKER

MISCELLANEOUS CABLING

CABLE LABEL	CABLE TYPE	FROM	TO
A	CAT.5E	OFFICE COMM. CABINET	AS400 (#24B ON D-111)
B1	CAT.5E	ELEC. EQUIP. ROOM	PHARMACY DRIVE THRU
B2	CAT.5E	ELEC. EQUIP. ROOM	PHARMACY DRIVE THRU
I	CAT.5E	ELEC. EQUIP. ROOM	OFFICE - INDYME AUDIO
IR	CAT.5E	OFFICE COMM. CABINET	INDYME REMOTE RECEIVER (INSTALLED NO FARTHER THAN 40'-0" FROM RECEIVING DOOR)
R1	CAT.5E	OFFICE	LED READERBOARD #1
R2	CAT.5E	OFFICE	LED READERBOARD #2
M	RG-6	OFFICE COMM. CABINET	ELECTRICAL EQUIPMENT ROOM
RK	RG-6	PHARMACY COMM. CABINET	REFILL KIOSK CLOSEST TO PHARMACY CASH REGISTERS
HDMI1	HDMI	PHARMACY COMM. CABINET	HEALTH GUIDE DISPLAY MONITOR
HDMI2	HDMI	PHARMACY COMM. CABINET	HEALTH GUIDE DISPLAY MONITOR
HDMI3	HDMI	PHARMACY COMM. CABINET	HEALTH GUIDE DISPLAY MONITOR
HDMI4	HDMI	PHARMACY COMM. CABINET	PHARMACY WAITING AREA DISPLAY MONITOR
HDMI5	HDMI	PHARMACY COMM. CABINET	TAKE CARE DISPLAY MONITOR

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

REGISTERED PROFESSIONAL ENGINEER
85808PE
OREGON
RENEWAL 12/31/2015
MAR 26 2015

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 OREGON AS SIGNIFIED BY MY HAND AND SEAL.

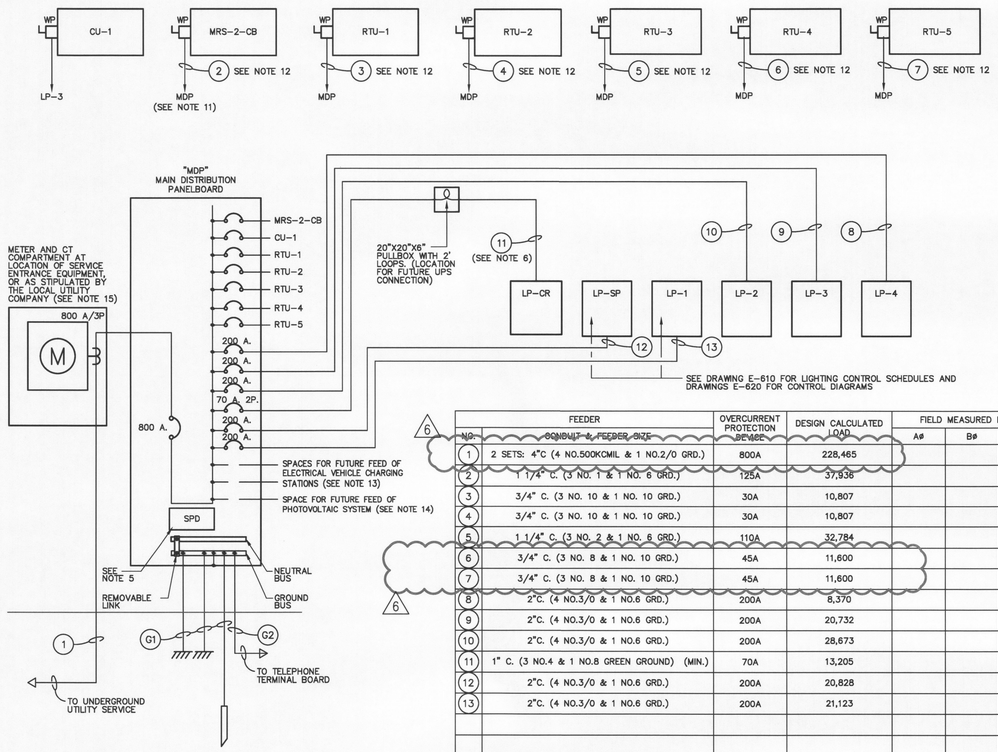
rtm engineering consultants

NO.	DATE	BY	REVISIONS
	01.12.15	RTM	ISSUED FOR BID
	11.14.14	RTM	CONSTRUCTION SUBMITTAL
			ASI #02
	03.09.2015	RTM	
	03.27.2015	RTM	PRO2

FLOOR PLAN - ETHERNET SYSTEM
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

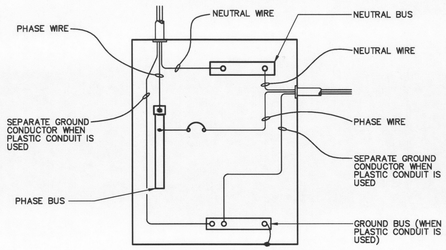
FILE NAME:
DRAWN BY:
DATE: 10.24.14
REVIEWED:

E-131



NO.	FEEDER CONDUIT & FEEDER SIZE	OVERCURRENT PROTECTION DEVICE	DESIGN CALCULATED LOAD	FIELD MEASURED LOADS A#	B#	C#
1	2 SETS: 4"C (4 NO.500KCMIL & 1 NO.2/0 GRD.)	800A	228,465			
2	1 1/4" C. (3 NO. 1 & 1 NO. 6 GRD.)	125A	37,936			
3	3/4" C. (3 NO. 10 & 1 NO. 10 GRD.)	30A	10,807			
4	3/4" C. (3 NO. 10 & 1 NO. 10 GRD.)	30A	10,807			
5	1 1/4" C. (3 NO. 2 & 1 NO. 6 GRD.)	110A	32,784			
6	3/4" C. (3 NO. 8 & 1 NO. 10 GRD.)	45A	11,600			
7	3/4" C. (3 NO. 8 & 1 NO. 10 GRD.)	45A	11,600			
8	2"C. (4 NO.3/0 & 1 NO.6 GRD.)	200A	8,370			
9	2"C. (4 NO.3/0 & 1 NO.6 GRD.)	200A	20,732			
10	2"C. (4 NO.3/0 & 1 NO.6 GRD.)	200A	28,673			
11	1" C. (3 NO.4 & 1 NO.8 GREEN GROUND) (MIN.)	70A	13,205			
12	2"C. (4 NO.3/0 & 1 NO.6 GRD.)	200A	20,828			
13	2"C. (4 NO.3/0 & 1 NO.6 GRD.)	200A	21,123			
G1	1"C. (1 NO. 2/0 INSULATED GND)					
G2	3/4"C. (1 NO. 6 INSULATED GND)					

1 FEEDER DIAGRAM FOR 208Y/120V.3Ø.4W. MAIN SERVICE
NOT TO SCALE



NOTE:
FOR CASH REGISTER PANEL (LP-CR), SEE DETAIL 5/E-510.

2 TYPICAL ELECTRICAL PANEL DETAIL
NOT TO SCALE

NOTES

1. CONDUIT SHALL BE ELECTRICAL METALLIC 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.
2. MAIN DISTRIBUTION PANELBOARD SHALL BE CIRCUIT BREAKER TYPE.
3. 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 AT LEFT.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE THIS INSTALLATION COMPLIANT WITH ALL ELECTRICAL AND FIRE PREVENTION CODES, SUPERCEDING ALL SPECIFICATIONS, DRAWINGS AND NOTES.
5. MDP IS SHIPPED WITH A FACTORY MOUNTED SURGE PROTECTION DEVICE (SPD). REFER TO SPECIFICATIONS SECTION 26 10 00, PARAGRAPH #2.01F.
6. PANEL "LP-CR" FEEDER AND BRANCH CIRCUIT CONDUCTORS MUST BE RUN SEPARATELY FROM OTHER PANEL CONDUCTORS. (DO NOT RUN THROUGH A COMMON RACEWAY OR TROUGH).
7. FEEDERS TO BE SIZED UTILIZING A 25% SPARE ALLOWANCE FACTOR FOR FUTURE ADDED LOADS.
8. THE AVAILABLE SHORT CIRCUIT CURRENT FROM THE ELECTRICAL UTILITY COMPANY IS _____ AMPERES. THE INTERRUPTING RATING OF ALL PROTECTIVE DEVICES IS THE RESPONSIBILITY OF THE DESIGN ENGINEER.
9. ALL BUSES IN ELECTRICAL SERVICE EQUIPMENT, DISTRIBUTION PANELS, ETC., ARE TO BE STANDARD ALUMINUM ALLOY. ALL FEEDERS AND BRANCH CIRCUITS ARE TO BE COPPER.
10. PANELBOARDS SHALL NOT BE USED AS RACEWAYS OR AS JUNCTION BOXES.
11. WALK-IN COOLER/FREEZER SHOWN ON D-111 FIXTURE PLAN HAS 7-GLASS FREEZER DOORS AND 12-GLASS COOLER DOORS. THE MAXIMUM OVERCURRENT PROTECTION (MOP) REQUIREMENT FOR PROTOTYPICAL MASTER-BILT CONDENSING UNIT IS 100A. FOR OTHER MASTER-BILT WALK-IN COOLER/FREEZER CONFIGURATIONS, REFER TO TABLE 1, DRAWING M-520 FOR THE MAXIMUM OVERCURRENT PROTECTION (MOP) REQUIREMENT.
12. CONDUCTOR SIZING SHALL INCLUDE AMBIENT TEMPERATURE CORRECTION FACTOR_____,WHEN REQUIRED.
13. TWO SPACES IN MAIN DISTRIBUTION PANELBOARD SHALL BE USED TO FEED FUTURE ELECTRIC VEHICLE CHARGING STATIONS. CIRCUIT BREAKER TO BE PROVIDED SHALL BE "SERIES-RATED" IN ORDER TO MAINTAIN UL SERIES COMBINATION INTERRUPTING RATING. POWER CIRCUITS SHALL BE METERED FOR USAGE AND BILLED BACK TO OWNER (COMPANY) OWNING ELECTRIC VEHICLE CHARGING STATIONS. METERING SHALL BE FURNISHED AND INSTALLED BY OWNER (COMPANY) OF ELECTRIC VEHICLE CHARGING STATIONS.
14. ONE SPACE IN MAIN DISTRIBUTION PANELBOARD SHALL BE USED TO FEED FUTURE PHOTOVOLTAIC SYSTEM. CIRCUIT BREAKER TO BE PROVIDED BY PHOTOVOLTAIC INSTALLER SHALL BE "SERIES-RATED" IN ORDER TO MAINTAIN UL SERIES COMBINATION INTERRUPTING RATING.
15. THE ELECTRICAL UTILITY COMPANY METERING SHALL INCLUDE A DEMAND AND PULSE METER AVAILABLE FOR BILLING PURPOSES AND ENERGY MANAGEMENT.
16. GC TO PROVIDE UTILITY DOCUMENT SHOWING AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE SERVICE DISCONNECTING MEANS.

6

NATIONAL ACCOUNTS

ELECTRICAL POWER DISTRIBUTION EQUIPMENT & LIGHTING CONTROL SYSTEM

THE GENERAL CONTRACTOR WILL SELECT AN ELECTRICAL CONTRACTOR TO PURCHASE AND INSTALL THE ELECTRICAL POWER DISTRIBUTION EQUIPMENT AND LIGHTING CONTROL SYSTEM. TO COORDINATE THE PURCHASE ORDER AGREEMENT AND EQUIPMENT DELIVERY, CALL:

SIEMENS NATIONAL ACCOUNT TEAM @ (888) WALGRNS (925-4767)		SQUARE D NATIONAL ACCOUNT TEAM @ (866) 773-8326 EXT.3	
ALABAMA	NEBRASKA	ALASKA	NEW JERSEY
COLORADO	NEVADA	ARIZONA	NEW MEXICO
FLORIDA	NORTH DAKOTA	ARKANSAS	NEW YORK
IDAHO	OKLAHOMA	CALIFORNIA	NORTH CAROLINA
IOWA	OREGON	CONNECTICUT	OHIO
KANSAS	SOUTH DAKOTA	DELAWARE	PENNSYLVANIA
MINNESOTA	UTAH	GEORGIA	PUERTO RICO
MISSISSIPPI	WASHINGTON	HAWAII	SOUTH CAROLINA
MISSOURI	WYOMING	ILLINOIS	TENNESSEE
MONTANA		INDIANA	RHODE ISLAND
		KENTUCKY	TEXAS
		LOUISIANA	VERMONT
		MAINE	VIRGINIA
		MARYLAND	WASHINGTON, D.C.
		MASSACHUSETTS	WEST VIRGINIA
		MICHIGAN	WISCONSIN
		NEW HAMPSHIRE	

LEGEND

SPD	SURGE PROTECTION DEVICE
	GROUNDING ELECTRODE
	SUPPLEMENTAL GROUND ROD
	DISCONNECT SWITCH
WP	WEATHER PROOF

1. GROUNDING (ELECTRICAL SYSTEM)

   ONE OF THE MOST IMPORTANT PARTS OF THE INSTALLATION OF ELECTRICAL SYSTEMS IS GROUNDING. PROPER GROUNDING WILL PROVIDE PROTECTION OF PERSONNEL, EQUIPMENT, AND CIRCUITS BY ELIMINATING THE POSSIBILITY OF DANGEROUS OR EXCESSIVE VOLTAGES.

   - THE GROUND PATH MUST BE PERMANENT AND CONTINUOUS, AND THE RESISTANCE OF THE GROUND PATHS MUST NOT EXCEED TWO (2) OHMS.
   - ALL GROUNDING ELECTRODES OF DIFFERENT SYSTEMS MUST BE BONDED TOGETHER.
   - METALLIC CONDUIT THAT IS USED TO ENCLOSE A GROUNDING CONDUCTOR MUST BE BONDED TO THE GROUNDING CONDUCTOR AT BOTH ENDS TO REDUCE IMPEDANCE.
   - RECEPTACLE BOXES MUST BE GROUNDED BY RACEWAY BACK TO THE GROUNDED LP-CR PANEL.
   - GROUNDING SYSTEM FOR THE LP-CR PANEL MUST BE BONDED TO THE MAIN DISTRIBUTION PANELBOARD GROUNDING SYSTEM AND IN TURN BONDED TO THE SYSTEM'S NEUTRAL.

2. GROUNDING TESTS

   AFTER INSTALLATION OF THE LP-CR PANEL, TESTS MUST BE PERFORMED TO CHECK AND VERIFY THE FOLLOWING:

   - EXCESSIVE GROUND POTENTIAL DIFFERENCES BETWEEN DIFFERENT AREAS ARE NOT EXISTENT.
   - GROUNDING SYSTEM INTEGRITY.

   TEST TO BE PERFORMED IS:

   - GROUND POTENTIAL DIFFERENCE MEASUREMENT

3 GROUNDING NOTES (LP-CR CIRCUITS)

ELECTRICAL CIRCUITS FOR THE STORE CASH REGISTERS AND RELATED COMPUTER/ELECTRONIC SYSTEMS MUST BE PROVIDED AND INSTALLED IN A SPECIFICALLY PRESCRIBED MANNER. THE INTENT OF THIS TEXT IS TO EXPLAIN THE NEW TERMINOLOGY AND WHAT IS NEEDED FOR A SUCCESSFUL INSTALLATION IN TERMS THAT ARE EASY TO UNDERSTAND.

A.C. ELECTRICAL POWER REQUIRED TO OPERATE COMPUTERS AND RELATED EQUIPMENT MUST BE AS CLEAN AS POSSIBLE; I.E., NO OTHER EQUIPMENT (NON-COMPUTER RELATED) CAN BE CONNECTED TO THESE CIRCUITS. THIS IS REFERRED TO AS A DEDICATED CIRCUIT. THIS WILL INSURE THAT NO OTHER EQUIPMENT CAN INDUCE NOISE OR LINE SPIKES INTO THE CASH REGISTERS, OFFICE SYSTEM EQUIPMENT, PHARMACY TERMINALS, TIME/ATTENDANCE SYSTEM, SATELLITE ANTENNA SYSTEM, BURGLAR ALARM SYSTEM, AND TELEPHONE SYSTEM. IN ADDITION, COMPUTER-TYPE CIRCUITS MUST NEVER BE RUN IN CONDUITS, TROUGHS OR JUNCTION BOXES TOGETHER WITH NON-COMPUTER RELATED CIRCUITS. PHYSICAL CONTACT BETWEEN THESE TWO TYPES WOULD POTENTIALLY CAUSE NOISE OR LINE SPIKES THAT CAN BE MAGNETICALLY INDUCED INTO THE COMPUTER-TYPE CIRCUITS.

INSTALL A CONDUIT (SIZE IN ACCORDANCE WITH NEC) FROM EACH SYSTEM'S EQUIPMENT OUTLETS (AS MENTIONED ABOVE) TO THE CRITICAL (DEDICATED) PANEL "LP-CR". EACH CONDUIT "HOMERUN" SHALL CONSIST OF A MAXIMUM OF THREE CIRCUITS. THE PANEL "LP-CR" WILL RECEIVE ELECTRICAL POWER FROM THE MAIN DISTRIBUTION PANEL.

EACH "LP-CR" CONDUIT SHALL HAVE A MECHANICAL GROUND CONDUCTOR FROM PANEL "LP-CR" TO THE RECEPTACLE. THE GROUND WIRE FOR THIS CIRCUIT SHALL BE RUN BACK TO THE MAIN DISTRIBUTION PANELBOARD GROUND (EARTH GROUND). ALL CIRCUIT BREAKERS (IN "LP-CR") FOR THE COMPUTER SYSTEMS MUST BE LOCKED IN THE "ON" POSITION AND MUST BE CLEARLY LABELED AT THE PANEL.

CASH REGISTER NOTE

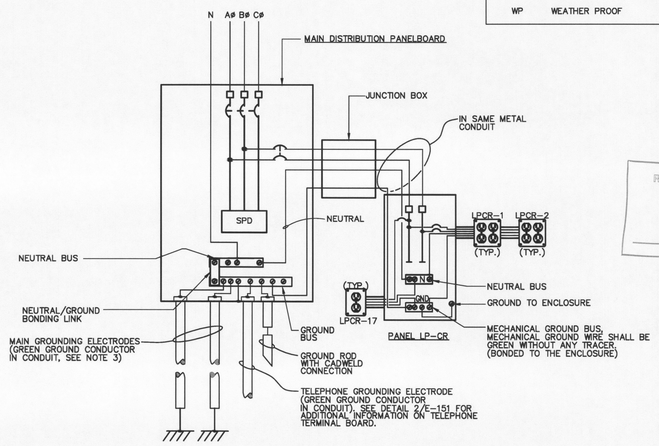
RECEPTACLES ARE FED FROM PANEL "LP-CR". PROVIDE "LOCK-ON" HARDWARE FOR EACH "LP-CR" CIRCUIT. CIRCUITS AND JUNCTION BOXES ARE NOT TO SERVE OTHER LOADS (eg. LIGHTING, GENERAL PURPOSE RECEPTACLES, ETC.). RECEPTACLES ARE TO BE HUBBELL #HBL5252W (WHITE IN COLOR). WALGREENS FIELD PROJECT MANAGER TO HAVE HOLE CUT IN CASH REGISTER COUNTER TO ALLOW FOR CORD INSERTION DOWN TO THE OUTLET BELOW (AS REQUIRED), CORD NOT TO BE EXPOSED.

(NO SUBSTITUTIONS ACCEPTED FOR HUBBELL)

NOTES:

1. A.C. BRANCH CIRCUITING: #12 WIRE, CONDUIT SIZE IN ACCORDANCE WITH NEC.
2. ALL CIRCUIT BREAKERS AND PANELS MUST BE CLEARLY LABELED WITH ELECTRICAL DECALS.
3. SEE DRAWING E-630 FOR PANEL LP-CR SCHEDULE.
4. SEE POWER PLAN (DRAWING E-111) FOR QUANTITIES AND LOCATIONS OF WIRING AND CIRCUITS.
5. UTILIZE CONVENTIONAL WIRING METHODS (i.e. NETWORK HOMERUNS FOR ALL WIRING SHOWN).
6. FOR ALL RECEPTACLES FED FROM PANEL "LP-CR", PROVIDE A LABEL ON THE FACEPLATE INDICATING PANEL "LP-CR" AND CIRCUIT NUMBER USING A P-TOUCH LABELING MACHINE.

4 PANEL "LP-CR" BRANCH CIRCUITING



NOTES:

1. GROUND CONDUCTOR FROM MAIN DISTRIBUTION PANELBOARD TO EARTH GROUND MUST BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL AND LOCAL CODES.
2. FEEDER AND GROUND CONDUCTOR FROM PANEL LP-CR TO MAIN DISTRIBUTION PANELBOARD SHALL BE INSTALLED IN ONE CONTINUOUS LENGTH WITHOUT SPLICES OR JOINTS IN THE SAME RACEWAY.
3. MAIN GROUNDING ELECTRODES:
   A. METAL UNDERGROUND WATER PIPE.
   B. METAL FRAME OF BUILDING WITH CADWELD CONNECTION.
   C. IF ONE OF THE ABOVE TWO ITEMS ARE NOT AVAILABLE; THEN FURNISH A CONCRETE ENCASED ELECTRODE. [SEE NEC 250.52 (A) (3)].

5 SERVICE CONFIGURATION - LP-CR PANEL
(FOR 120/208 VOLT MAIN SERVICE)

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

MAR 26 2015

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 OREGON AS SIGNIFIED BY MY HAND AND SEAL: 10/24/14

rtm engineering consultants

NO.	DATE	BY	DESCRIPTION
			REVISIONS
			PR02
			ASI #02
1	03.27.2015	RTM	CONSTRUCTION SUBMITTAL
2	03.09.2015	RTM	ISSUED FOR BID
	01.12.15	RTM	
	11.14.14	RTM	

FEEDER DIAGRAM & ELECTRICAL DETAILS

PROJECT ID: 14-0152-01A

STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

DRAWN BY:

DATE: 10.24.14

REVIEWED:

E-510

OCCUPANCY SENSOR SCHEDULE

LOCATION	MOTION SENSOR TYPE	CATALOG NUMBER	MANUFACTURER	VOLTAGE	MOUNTING	REMARKS
MEN'S RESTROOM	MS1	OSC05–UOW–WAL	LEVITON	120VAC	MOUNT ON CEILING	UTILIZE W/ POWER PACK, OSP20–ODO–WAL.
		OMNI US 500	HUBBELL			UTILIZE WITH UVPP POWER PACK.
WOMEN'S RESTROOM	MS1	OSC05–UOW–WAL	LEVITON	120VAC	MOUNT ON CEILING	UTILIZE W/ POWER PACK, OSP20–ODO–WAL.
		OMNI US 500	HUBBELL			UTILIZE WITH UVPP POWER PACK.
EMPLOYEE ROOM	MS2	ODS15–ID–WAL	LEVITON	120VAC	MOUNT ON WALL @ 42" A.F.F.	
		LHIRS1W	HUBBELL			
CONSULT ROOM, & EXAM ROOMS (WHEN REQUIRED BY CODE)	MS2	ODS15–ID–WAL	LEVITON	120VAC	MOUNT ON WALL @ 42" A.F.F.	
		LHIRS1W	HUBBELL			
GENERAL STOCK	MS3	OSC04–IOW–WAL	LEVITON	120VAC	MOUNT ON LUMINAIRE, AS NOTED ON DRAWING E–121 (OR CEILING, IF APPLICABLE)	UTILIZE W/ POWER PACK, OSP20–ODO–WAL & MOUNTED IN A 3" J–BOX.
		OMNI IR	HUBBELL			UTILIZE WITH UVPP POWER PACK, & MOUNTED IN A 3" J–BOX.
PASSAGEWAY #1	MS4	OSC20–UOW–WAL	LEVITON	120VAC	MOUNT ON LUMINAIRE, AS NOTED ON DRAWING E–121 (OR CEILING, IF APPLICABLE)	UTILIZE W/ POWER PACK, OSP20–ODO–WAL.
		OMNI US 2000	HUBBELL			UTILIZE WITH UVPP POWER PACK.
OFFICE	MS5	ODSOD–ID–TD–WAL	LEVITON	120VAC	MOUNT ON WALL @ 42" A.F.F.	SEE NOTE 6
		LHIRD2W	HUBBELL			

NOTES:

1. OCCUPANCY SENSORS SHOWN IN DRAWING E–121 ARE FOR A PROTOTYPICAL WALGREEN STORE LAYOUT. CONTACT LEVITON OR HUBBELL FOR ADDITIONAL TECHNICAL, LAYOUT, WIRING, OR INSTALLATION QUESTIONS FOR NON–PROTOTYPICAL STORE LAYOUTS.

   REQUEST LEVITON SENSOR LAYOUTS THROUGH LEVITON PARTNER PORTAL:
   http://portal.leviton.com
   FOR ADDITIONAL QUESTIONS OR SUPPORT:
   TEL – (503) 404–4777
   e–mail: OSLayouts@leviton.com

   HUBBELL BUILDING AUTOMATION, INC
   CONTACT: Mike Hubbard
   TEL – (630) 377–8239
   FAX – (203) 783–9207
   e–mail: mhubbard@hubbell–automation.com

2. ULTRASONIC SENSOR IS MADE FOR OFF–CENTER CEILING MOUNT. SEE DRAWING E–121 FOR AN APPROXIMATE LOCATION. ULTRASONIC CEILING MOUNT SENSOR SHALL BE MOUNTED NO CLOSER THAN 4 FEET TO AIR SUPPLY/RETURN REGISTERS PER MANUFACTURER'S RECOMMENDATIONS..
3. WHEN SPECIFYING THE PLACEMENT OF ULTRASONIC SENSORS, THE DIRECTION OF THE RECEIVERS SHOULD BE CLEARLY SHOWN.
4. FINAL DETERMINATION OF CIRCUITING, VOLTAGE AND QUANTITY OF POWER PACKS REQUIRED IS THE RESPONSIBILITY OF THE CONSULTING ENGINEER AND/ OR THE ELECTRICAL CONTRACTOR.
5. OCCUPANCY SENSOR SETTINGS (TIME DELAY, SENSITIVITY, ETC) ARE FACTORY PRE–PROGRAMMED PRIOR TO BEING SHIPPED TO THE STORE.
6. BOTH RELAYS SHALL HAVE EQUAL CONNECTED LOADS. WHEN POSSIBLE. IF ODD QUANTITY OF LUMINAIRES ARE USED, ONE RELAY SHALL HAVE AN ADDITIONAL LUMINAIRE CONNECTED.

POLE SELECTION TABLE (SEE DRAWING E–100, NOTE 5)

POLE TYPE	MANUFACTURER	WIND SPEED			
		90 MPH AND BELOW	120 MPH AND BELOW	150 MPH AND BELOW	170 MPH AND BELOW
1–HEAD	LITHONIA	SSS 30 5G DM49 PL DDBXD	SSS 30 6G DM49 PL DDBXD	RTS–30–8–OF–DM49–PL–DDBXD	NOT APPLICABLE
2–HEADS	LITHONIA	SSS 30 5G DM49 PL DDBXD	SSS 30 6G DM49 PL DDBXD	RTS–30–8–OF–DM49–PL–DDBXD	NOT APPLICABLE
3–HEADS	LITHONIA	SSS 30 5G DM49 PL DDBXD	SSS 30 6G DM49 PL DDBXD	RTS–30–8–OF–DM49–PL–DDBXD	NOT APPLICABLE
4–HEADS	LITHONIA	SSS 30 5G DM49 PL DDBXD	SSS 30 6G DM49 PL DDBXD	RTS–30–8–OF–DM49–PL–DDBXD	NOT APPLICABLE

"DDBXD" – FACTORY DESIGNATION FOR HIGH DEFINITION DARK BRONZE FINISH TO MATCH LED FIXTURE.
"PL" – FACTORY DESIGNATION FOR PLUGS.

LUMINAIRE SCHEDULE NOTES

ALL COMPONENTS FURNISHED AND INSTALLED BY THE LANDLORD'S CONTRACTOR (UNLESS NOTED OTHERWISE).

NOTES:

1. VERIFY ALL LUMINAIRE DIMENSIONS WITH MANUFACTURER TO AVOID CONFLICTS WITH OTHER DISCIPLINES.
2. SEE DRAWINGS E–100 AND E–101 FOR MOUNTING LOCATION. COORDINATE MOUNTING WITH WALL THICKNESS AND MATERIALS INVOLVED. HARDWARE PER MANUFACTURER'S INSTRUCTIONS.
3. LUMINAIRES SHALL BE MOUNTED ON TRACKS. TRACK MOUNTED AT 14'–0" A.F.F., UNLESS OTHERWISE NOTED. ADD THE FOLLOWING ACCESORIES FOR TRACK MOUNTED LUMINAIRES:
4. LUMINAIRE TO BE MOUNTED 14'–0" A.F.F., UNLESS NOTED OTHERWISE. ATTACH TO ROOF SUPPORT. DO NOT ATTACH TO THE METAL ROOF DECK.
5. LUMINAIRE TO BE MOUNTED 13'–0" A.F.F., UNLESS NOTED OTHERWISE. ATTACH TO ROOF SUPPORT. DO NOT ATTACH TO THE METAL ROOF DECK.
6. FURNISHED BY FIXTURE VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR.
7. SPECIFY WALL MOUNT BRACKETS WHEN UTILIZING MCGRAW EDISON LUMINAIRES.
8. NOT USED
9. FOR EACH CONTINUOUS RUN OF HL AND KL TYPE FIXTURES ELECTRICAL CONTRACTOR TO PROVIDE:
   (1) HARDWIRE BOX HERA PART NO. SHWC/XL
   (1) CONNECTING CABLE HERA PART NO. SCC24/XL
   (QUANTITY AS NEEDED) DIRECT CONNECTOR HERA PART NO. SDC/XL (FOR CONNECTION TO OTHER HERA LED LIGHTS)

NATIONAL ACCOUNT FOR LUMINAIRES, POLES AND OCCUPANCY SENSORS

TO COORDINATE THE PURCHASE ORDER AGREEMENT AND EQUIPMENT CALL:

GEXPRO
NATIONAL ACCOUNT TEAM @ (630) 718–6599

ALABAMA, CONNECTICUT, DELAWARE, FLORIDA, GEORGIA, HAWAII, ILLINOIS, INDIANA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MICHIGAN, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, OHIO, PENNSYLVANIA, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, WASHINGTON, D.C., WEST VIRGINIA, WISCONSIN, PUERTO RICO

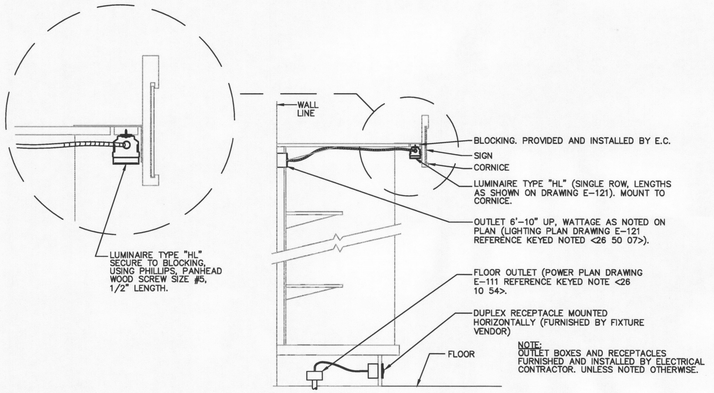
VILLA LIGHTING
NATIONAL ACCOUNT TEAM @ (800) 325–0963

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, IDAHO, IOWA, KANSAS, LOUISIANA, MINNESOTA, MISSOURI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, WYOMING

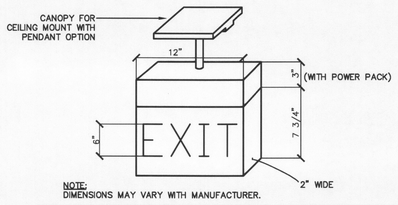
NOTE:
THE GENERAL CONTRACTOR WILL SELECT AN ELECTRICAL CONTRACTOR TO PURCHASE AND INSTALL THE LUMINAIRES, POLES AND OCCUPANCY SENSORS. PURCHASE ORDERS FOR GEXPRO OR VILLA LIGHTING WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR EACH STORE.

LUMINAIRE SCHEDULE

LUMINAIRE TYPE	CATALOG NUMBER	MANUFACTURER	LAMPS (SEE NOTE 3)	MOUNTING	VOLTAGE	INPUT WATTAGE	REMARKS
AOL	CS18–75L–40K–2CT (2–CIRCUIT CONFIGURATION)	CREE	LED LUMINAIRE	SUSPENDED		75	SALES AREA. SEE NOTE 5. LUMINAIRES SHALL BE SPECIFIED AS CONTINUOUS ROWS. RUN LENGTHS TO BE DETERMINED BY ELECTRICAL CONTRACTOR BASED ON SHEET E–121. LUMINAIRES TO BE INSTALLED IN CONTINUOUS ROWS. ADDITIONAL ACCESSORIES NOT SHOWN ON SCHEDULE.
BOL	CS14–40LHE–40K–10V	CREE	LED LUMINAIRE	SUSPENDED		37	SALES AREA. SEE NOTE 5. CORELITE LUMINAIRES SHALL BE SPECIFIED AS CONTINUOUS ROWS. RUN LENGTHS TO BE DETERMINED BY ELECTRICAL CONTRACTOR BASED ON SHEET E–121. LITHONIA AND CREE LUMINAIRES TO BE INSTALLED IN CONTINUOUS ROWS.
DL	CR–LE–40LHE–40K–10V	CREE	LED LUMINAIRE	BOTTOM OF JOISTS OR CEILING		33	STOCKROOM, PASSAGES. SEE NOTE 4.
DLEM	CR–LE–40LHE–40K–10V–EB14	CREE	LED LUMINAIRE	BOTTOM OF JOISTS OR CEILING		33	STOCKROOM, PASSAGES. SEE NOTE 4
D2L	REAL6C–D6A–1500L–40K–.95SC–ESL–U (LED TRIM) LP6LN–1500L–120–U (6" RECESSED HOUSING)	LITHONIA	LED LUMINAIRE	RECESSED		19	PHARMACY WAITING AND SEATING AREA ("U" – FACTORY DESIGNATION FOR UNIT PACKING)
D2LEM	REAL6C–D6A–1500L–40K–.95SC–ESL–U (LED TRIM W/EM) LP6LN–1500L–120–ELR (6" RECESSED HOUSING)	LITHONIA	LED LUMINAIRE	RECESSED		19	PHARMACY WAITING AND SEATING AREA ("U" – FACTORY DESIGNATION FOR UNIT PACKING)
D4L	ML709–8–40–ICAT120D–H750–493HS06	HALO	LED LUMINAIRE	RECESSED		11	DOWNLIGHT ABOVE PHARMACY CHECKOUTS (TWO PER CHECKOUT – SPACED 2'–6" ON CENTER) AND BETWEEN RAPID REFILL KIOSKS
E	LX S W 3 R 120/277 EL N	LITHONIA	LED	CEILING OR WALL MOUNT		3.8	SEE DETAIL 2/E–520.
GL	CR24–50L–40K–10V	CREE	LED LUMINAIRE	RECESSED		50	OFFICE, CONSULT ROOM, EXAM ROOMS
GLEM	CR24–40L–40K–10V–EB14	CREE	LED LUMINAIRE	RECESSED		32	OFFICE, CONSULT ROOM, EXAM ROOMS
G1L	24AC–LD4–68–UNIV–L840–CD1–U	METALUX	LED LUMINAIRE	RECESSED		66	CONSULT ROOM
G2L	CR22–32L–40K–10V	CREE	LED LUMINAIRE	RECESSED		50	PHARMACY HALL
HCL	ES46LED/CW	HERA	LED LUMINAIRE	COVE		15	4'–0" (NOMINAL) FIXTURE WITH QUICK CONNECT (SEE NOTE9). SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
	ES34LED/CW	HERA				11	3'–0" (NOMINAL) FIXTURE WITH QUICK CONNECT (SEE NOTE 9). SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
	ES22LED/CW	HERA				7	2'–0" (NOMINAL) FIXTURE WITH QUICK CONNECT (SEE NOTE 9). SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
HL	ES46LED/CW	HERA	LED LUMINAIRE	CORNICE		15	4'–0" (NOMINAL) FIXTURE WITH QUICK CONNECT (SEE NOTE 9). SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
	ES34LED/CW	HERA				11	3'–0" (NOMINAL) FIXTURE WITH QUICK CONNECT (SEE NOTE 9). SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
	ES22LED/CW	HERA				7	2'–0" (NOMINAL) FIXTURE WITH QUICK CONNECT (SEE NOTE 9). SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
KL	ES22LED/CW	HERA	LED LUMINAIRE	CEILING MOUNT		7	PORTER CLOSET WITH QUICK CONNECT (SEE NOTE 9).
TO	L1738P X	HALO	ACCULAMP – ALSP38–1200L–40K–DIM–M24	TRACK	120	20	SIGNAGE LIGHTING. SEE NOTE 8 FOR ADDITIONAL ACCESSORIES AND MOUNTING INFORMATION. ("X" & "M24" – FACTORY DESIGNATION)
T1L	S22–D–R–2–L40–SR–2–D–U–ED–S92HT	NEORAY	LED LUMINAIRE	RECESSED		14	SOFFIT MOUNTED SLOT LIGHT (2') RAPID REFILL KIOSK ("D" – FACTORY DESIGNATION FOR INDIVIDUAL FIXTURE)
T2L	S22–D–R–2–L40–SR–3–D–U–ED–S92HT	NEORAY	LED LUMINAIRE	RECESSED		22	SOFFIT MOUNTED SLOT LIGHT (3') ABOVE PHARMACY CONSULTATION DESK ("D" – FACTORY DESIGNATION FOR INDIVIDUAL FIXTURE)
UCLD	UCLD–18–4000–WH	LITHONIA	LED LUMINAIRE	SURFACE	120	8.6	18" UNDERCABINET LUMINAIRE FOR CONSULT ROOM
UC4L	RAZ24–MS (24" UNDERCAB FIXTURE)/ UC–ERC 24–BL–M12 (UNDERCAB CONNECTOR CORD)	LITHONIA	LED LUMINAIRE	SURFACE	120	13	24" UNDERCABINET LUMINAIRE FOR CONSULT ROOM ("MS" & "M12" – FACTORY DESIGNATION)
UL	RTL4–40L–D41–LP840–NX	LITHONIA	LED LUMINAIRE	RECESSED		41	PHARMACY, EMPLOYEE ROOM, RESTROOMS (VESTIBULE – WHEN APPLICABLE)
ULEM	RTL4–40L–D41–LP840–NX–EL14L	LITHONIA	LED LUMINAIRE	RECESSED		41	PHARMACY, EMPLOYEE ROOM, RESTROOMS (VESTIBULE – WHEN APPLICABLE)
E3L	ISS–B01–LED–120–BL4–BZ CWB	MCGRAW EDISON	LED LUMINAIRE	SURFACE		51	RECEIVING MANDOOR AND PASSAGE 1 EXIT DOOR. ("120" – FACTORY DESIGNATION FOR EMERGENCY)
E4L	ELM2–LED–HO–M12	LITHONIA	BATTERY PACK FOR EL2	SURFACE		4.8	MOUNTED IN SALES AREA @ 14'–0" A.F.F. (MIN) ("M12" – FACTORY DESIGNATION)
EL1	ELM2–LED–HO	SURE–LITES	LED LUMINAIRE	SURFACE/PENDANT		.33	INTERIOR EMERGENCY LIGHTING
EL2	ELA–QWP–L0304–M12	LITHONIA	LED LUMINAIRE	FRONT CANOPY		3	EXTERIOR EMERGENCY LIGHTING ("M12" – FACTORY DESIGNATION)
EL3	ZL2N–L48–5000LM–MDD–120–40K–80CRI–BSL722–WH	LITHONIA	LED LUMINAIRE	SALES AREA (EMERGENCY)	120	75	SALES AREA EMERGENCY LIGHTING. LUMINAIRE SHALL BE HUNG AT 14'–0" A.F.F. LUMINAIRE SHALL ONLY HAVE EMERGENCY WIRING CONNECTED. NOT FOR USE AS GENERAL LIGHTING ("120" – FACTORY DESIGNATION FOR EMERGENCY)
JL	VAP–59LED–SYM–WLFEND2–STSL	LITHONIA	LED LUMINAIRE	CANOPY		59	4'–0" FIXTURE RECESSED MOUNTED IN LOWER CANOPY
OL	ZL2–L46–2300–LP840	LITHONIA	LED LUMINAIRE	UPPER CANOPY		32	4'–0" (NOMINAL) FIXTURE. SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
	ZL2–L24–1400L–LP840	LITHONIA				21	2'–0" (NOMINAL) FIXTURE. SEE LIGHTING PLAN FOR TOTAL LENGTH REQUIRED.
QL	ISS–B01–LED–E1–BL4–BZ	MCGRAW EDISON	LED LUMINAIRE	SURFACE		27	UNDER AWNING, DRIVE–THRU WINDOW AND COMPACTOR AREA.
XL	DSX1–LED–_____40K–T4M–MVOLT–SPA–DDBXD	LITHONIA	LED LUMINAIRE	POLE	208	VARIES	TYPE IV DISTRIBUTION. LITHONIA TO UTILIZE HOUSE SIDE SHIELD. MCGRAW EDISON TO UTILIZE SPILL LIGHT OPTICS. OUTPUT LEVEL TO BE DETERMINED BY PHOTOMETRIC CALCULATIONS ON SHEET E–101. SEE NOTE 2.
XL–WM	DSX1–LED–_____40K–T4M–MVOLT–WBA–DDBXD	LITHONIA	LED LUMINAIRE	WALL MOUNTED	208	VARIES	TYPE IV DISTRIBUTION. LITHONIA TO UTILIZE HOUSE SIDE SHIELD. MCGRAW EDISON TO UTILIZE SPILL LIGHT OPTICS. OUTPUT LEVEL TO BE DETERMINED BY PHOTOMETRIC CALCULATIONS ON SHEET E–101. SEE NOTE 2 AND 7.
YL	DSX1–LED–_____40K–T3M–MVOLT–SPA–DDBXD	LITHONIA	LED LUMINAIRE	POLE	208	VARIES	TYPE III DISTRIBUTION OPTICS. SEE NOTE 2. OUTPUT LEVEL TO BE DETERMINED BY PHOTOMETRIC CALCULATIONS ON SHEET E–101.
YL–WM	DSX1–LED–_____40K–T3M–MVOLT–WBA–DDBXD	LITHONIA	LED LUMINAIRE	WALL MOUNTED	208	VARIES	TYPE III DISTRIBUTION OPTICS. SEE NOTE 2 AND 7. OUTPUT LEVEL TO BE DETERMINED BY PHOTOMETRIC CALCULATIONS ON SHEET E–101.
ZL	DSX1–LED–_____40K–T4M–MVOLT–SPA–DDBXD	LITHONIA	LED LUMINAIRE	POLE	208	VARIES	TYPE IV DISTRIBUTION OPTICS. SEE NOTE 2. OUTPUT LEVEL TO BE DETERMINED BY PHOTOMETRIC CALCULATIONS ON SHEET E–101.
ZL–WM	DSX1–LED–_____40K–T4M–MVOLT–WBA–DDBXD	LITHONIA	LED LUMINAIRE	WALL MOUNTED	208	VARIES	TYPE IV DISTRIBUTION OPTICS. SEE NOTE 2 AND 7. OUTPUT LEVEL TO BE DETERMINED BY PHOTOMETRIC CALCULATIONS ON SHEET E–101.

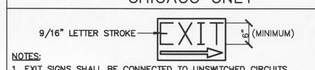


1 LUMINAIRE TYPE 'H' AND RECEPTACLE DETAIL
NOT TO SCALE



NOTE:
DIMENSIONS MAY VARY WITH MANUFACTURER.

CHICAGO ONLY



NOTES:
1. EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED CIRCUITS.
2. EMERGENCY LIGHTS TO BE UL LISTED, WITH METAL HEADS.
3. CHICAGO EMERGENCY LIGHTING CODE NUMBER AS SHOWN ON PLAN.

2 EXIT SIGN DETAIL
NOT TO SCALE

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

Telgruen
FACILITIES PLANNING
DESIGN AND ENGINEERING
1000 MILWAUKEE AVENUE
DEERFIELD, IL 60015–5105

OREGON
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
89398PE
RENEWAL 06/30/2015
MAR 20 2015

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 OREGON AND SIGNED BY MY HAND AND SEAL.

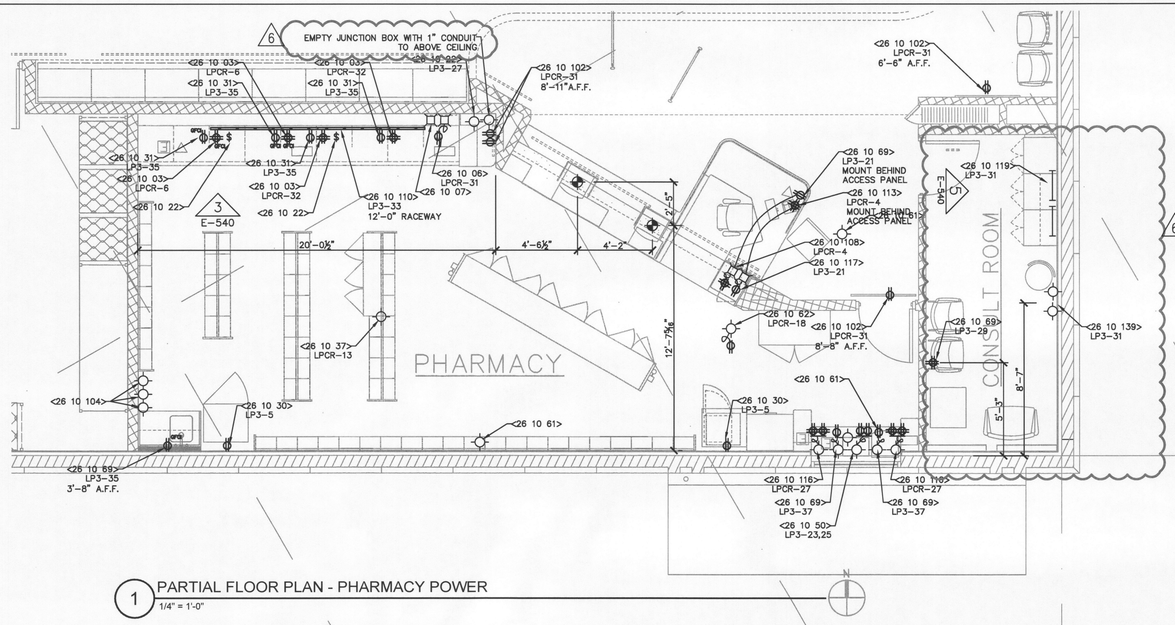
rtm engineering consultants

REVISIONS				
NO.	DATE	BY	DESCRIPTION	
	01.12.15	RTM	ISSUED FOR BID	
	03.09.2015	RTM	CONSTRUCTION SUBMITTAL	
1	03.27.2015	RTM	ASI #02	PR02

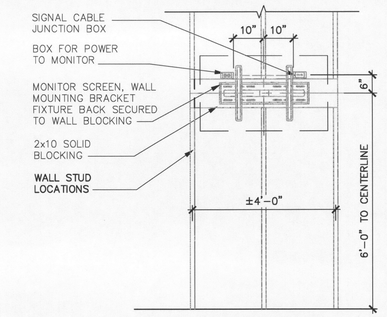
LUMINAIRE SCHEDULES & DETAILS
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY:
DATE: 10.24.14
REVIEWED:

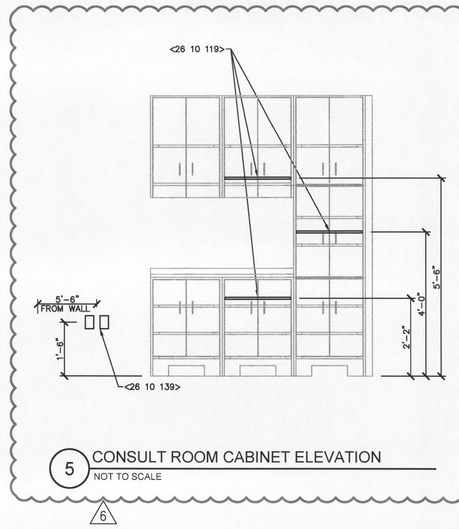
E-520



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



4 LCD DISPLAY MONITOR ROUGH-IN
NOT TO SCALE

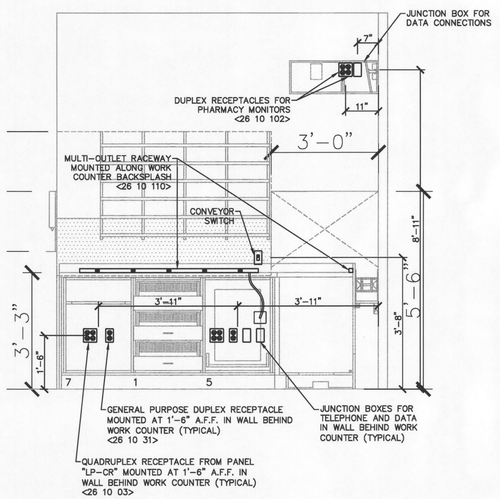


5 CONSULT ROOM CABINET ELEVATION
NOT TO SCALE

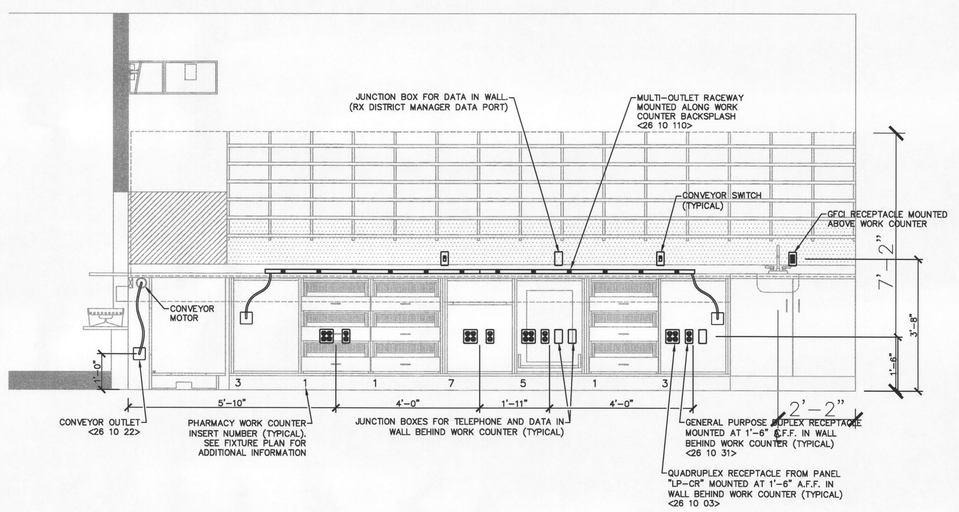
6

REFERENCE KEYED NOTES

DIVISION 26 – ELECTRICAL	
26 10 01	ONE (1) 20A.120V.1Ø CIRCUIT FOR CASH REGISTER (CR) LOCATION. SEE DETAILS 1, 2, 3 & 4/E–550 FOR RECEPTACLE QUANTITIES AND MOUNTING AND DETAIL 4/E–510 FOR CIRCUITING INFORMATION. HOMERUN BACK TO PANEL "LP–CR".
26 10 03	ONE (1) 20A.120V.1Ø CIRCUIT FOR PHARMACY TERMINAL AND PRINTER RECEPTACLES. CIRCUIT FROM PANEL "LP–CR". SEE DETAILS 2 & 3/E–540 FOR ADDITIONAL INFORMATION.
26 10 22	ONE (1) 20A.120V.1Ø CIRCUIT TO OUTLET, 1'–0" A.F.F. FOR CONVEYOR. BALDOR DRIVE MOTOR WITH SCR (SPEED CONTROL) BY CONVEYOR MFG, FINAL CONNECTION BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL THREE (3) HUBBELL NO.CS1221 SWITCHES WIRED IN SERIES AND MOUNTED ALONG COUNTER AT 3'–8" A.F.F. (UNLESS NOTED OTHERWISE), SEE PHARMACY COUNTER ELEVATION DETAILS 2 & 3/E–540.
26 10 30	500W OUTLET, RECEPTACLE 1'–6" A.F.F. FOR REFRIGERATOR OR FREEZER. PROVIDE LOCK–ON CIRCUIT BREAKER.
26 10 31	200W OUTLET. RECEPTACLE MOUNTED AT 1'–6" A.F.F., UNLESS NOTED OTHERWISE. SEE DETAILS 2 & 3/E–540.
26 10 37	ONE(1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP–CR" (WITH WIRES COILED INSIDE JUNCTION BOX) MOUNTED ABOVE CEILING FOR FUTURE PHARMACY ROBOTIC'S POWER. (COORDINATE WITH REFLECTED CEILING PLAN.)
26 10 50	TWO (2) 20A.120V CIRCUITS FOR DRIVE–THRU WINDOW AUDIO SYSTEM AND DRIVE ALERT. MOUNT JUNCTION BOX 1'–6" A.F.F. INSIDE DRIVE–THRU WINDOW UNIT.
26 10 52	FLOOR OR WALL OUTLET, CONNECT TO MULTI–OUTLET RACEWAY ASSEMBLY (PLUGMOLD) WITH RECEPTACLES SPACED 6" FROM CENTERS. SEE DETAIL 7/E–550.
26 10 60	200W OUTLET WITH RECEPTACLE MOUNTED INSIDE CASH REGISTER STAND. REFER TO DETAILS 1, 2, 3 & 4/E–550 FOR OUTLET MOUNTING.
26 10 61	DRIVE–ALERT SYSTEM: ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL MODEL DA–500 WITH DA–655 DRIVE–ALERT CHIME (CHIME MOUNTED 7'–8" A.F.F., EC TO FURNISH #22 FOUR CONDUCTOR CABLE). INSTALL SENSOR IN THE CONCRETE CURB ALONG DRIVE–THRU WALL, AS SHOWN ON DRAWING A–710. SYSTEM SHALL BE PURCHASED FROM A.D.I. DISTRIBUTORS ☎ (800) 388–9505. [NOTE: ONCE INSTALLED, ELECTRICAL CONTRACTOR SHALL TEST THE SYSTEM BY DRIVING A VEHICLE INTO THE DRIVE–THRU LANE. ADJUST "SENSITIVITY" AND "BLANKER" POTS AS NEEDED UNTIL SYSTEM SUCCESSFULLY DETECTS THE VEHICLE].
26 10 62	ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP–CR" FOR CCTV CAMERA, CONNECT TO DUPLEX RECEPTACLE MOUNTED ABOVE PHARMACY CEILING.
26 10 69	200W GENERAL PURPOSE DUPLEX RECEPTACLE, MOUNTED AT 1'–6" A.F.F., UNLESS NOTED OTHERWISE.
26 10 102	DUPLEX RECEPTACLE FOR PHARMACY MONITOR. CIRCUIT FROM PANEL "LP–CR". MOUNTING HEIGHT AS INDICATED ON PLAN.
26 10 103	ONE (1) 20A.120V.1Ø CIRCUIT FOR SOUND MASKING SYSTEM POWER SUPPLY. MOUNT JUNCTION BOX 1'–0" ABOVE CEILING.
26 10 104	JUNCTION BOX MOUNTED 3'–6" A.F.F. WITH CONDUIT STUBBED UP TO CEILING SPACE FOR SOUND MASKING SYSTEM VOLUME CONTROL.
26 10 106	QUAD RECEPTACLE FOR PHARMACY SCRIPT BIN MONITOR, CIRCUIT FROM PANEL "LP–CR". REFER TO WORK COUNTER ELEVATION FOR EACH MOUNTING LOCATION.
26 10 107	ELECTRICAL CONTRACTOR TO PROVIDE SEPARATE 1" EMPTY CONDUIT RUN UNDERFLOOR AND STUBBED UP TO CEILING SPACE FOR SPEAKERS CONNECTED TO SCRIPT BIN MONITOR.
26 10 108	400W FLOOR MOUNTED JUNCTION BOX WITH QUADRUPLEX RECEPTACLE LOCATED BELOW ACCESS PANEL IN FIXTURE. CIRCUIT FROM PANEL "LP–CR".
26 10 109	RECESSED ONE–GANG DUPLEX RECEPTACLE (CLOCK OUTLET, LEVITON CATALOG NUMBER 00689–00W) FOR DISPLAY MONITOR. CIRCUIT FROM PANEL "LP–CR". MOUNTING HEIGHT AS INDICATED ON PLAN. SEE DETAIL 4/E–540 FOR ADDITIONAL MOUNTING INFORMATION.
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 10 113	400W QUADRUPLEX RECEPTACLE FOR COMPUTER TERMINAL. MOUNTED AT 1'–6" A.F.F, UNLESS OTHERWISE NOTED. CIRCUIT FROM PANEL "LP–CR".
26 10 116	ONE (1) 20A.120V.1Ø CIRCUIT CONNECTED TO TWO QUAD RECEPTACLES MOUNTED 1'–6" A.F.F. FOR DRIVE THRU CASH REGISTER LOCATION. REFER TO DETAIL 6/A–710 FOR ADDITIONAL INFORMATION.
26 10 117	FLOOR MOUNTED JUNCTION BOX WITH DUPLEX RECEPTACLE LOCATED BELOW ACCESS PANEL IN FIXTURE.
26 10 119	2'–0" RACEWAY (PLUGMOLD BY WIREMOLD, COLOR: WHITE) WITH RECEPTACLES SPACED 6" ON CENTER. CUT–TO–FIT, VERIFY THAT 4 SIMPLEX RECEPTACLES ARE PROVIDED ON EACH PLUGMOLD.
26 10 138	FLOOR MOUNTED JUNCTION BOX WITH DUPLEX RECEPTACLE FROM CONTROLLED CIRCUIT LOCATED BELOW ACCESS PANEL IN FIXTURE.
26 10 138	FLOOR OUTLET WITH DUPLEX RECEPTACLE MOUNTED INSIDE OF FINISHED WORK FIXTURES.
26 10 139	TWO EMPTY J–BOXES WITH BLANK COVER PLATES. ONE WITH CONDUIT TO ABOVE CEILING FOR FUTURE DATA, ONE WITH CONDUIT TO JUNCTION BOX FEEDING THE PLUGSTRIPS FOR FUTURE POWER.



2 WORK COUNTER ELEVATION #1
1/2" = 1'-0"



3 WORK COUNTER ELEVATION #2
1/2" = 1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

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

rtm engineering consultants

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER OREGON RENEWS: 12/31/2015

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 OREGON AS SIGNIFIED BY MY HAND AND SEAL.

MAR 26 2015

NO.	DATE	BY	DESCRIPTION
			REVISIONS
			PR02
1	03.27.2015	RTM	ASI #02
2	03.09.2015	RTM	CONSTRUCTION SUBMITTAL
	01.12.15	RTM	ISSUED FOR BID
	11.14.14	RTM	

ELECTRICAL DETAILS - PHARMACY

PROJECT ID: 14-015201A

STORE NUMBER: 16251

WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:

DRAWN BY:

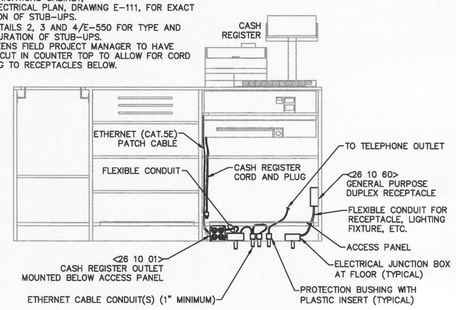
DATE: 10.24.14

REVIEWED:

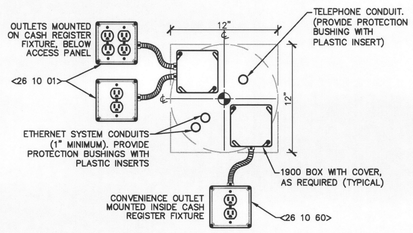
E-540

NOTES:

1. THIS DETAIL DEPICTS A GENERIC CASH REGISTER STAND FOR REFERENCE IN MOUNTING RECEPTACLES AND ROUTING SYSTEMS CABLING.
2. SEE DRAWING E-131 FOR FURTHER INFORMATION ON ETHERNET (CAT.5E) CABLES FROM PHARMACY COMMUNICATIONS CABINET,
3. SEE ELECTRICAL PLAN, DRAWING E-111, FOR EXACT LOCATION OF STUB-UPS.
4. SEE DETAILS 2, 3 AND 4/E-550 FOR TYPE AND CONFIGURATION OF STUB-UPS.
5. WALGREENS FIELD PROJECT MANAGER TO HAVE HOLES CUT IN COUNTER TOP TO ALLOW FOR CORD ROUTING TO RECEPTACLES BELOW.



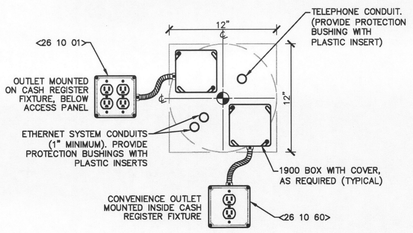
1 CASH REGISTER STAND ELEVATION
NOT TO SCALE



SERVICES FOR <26 10 01>:

1-CHECKPOINT
2-REGISTER
3-CATALINA
4-PRESENTATION SCANNER
5-SPARE
6-SPARE

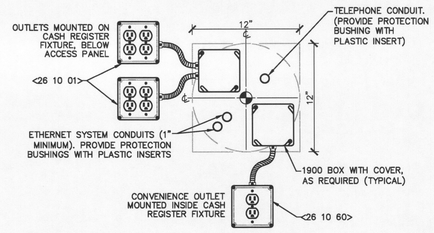
2 FRONT CASH REGISTER CIRCUIT STUB-UP DETAIL
NOT TO SCALE



SERVICES FOR <26 10 01>:

1-CHECKPOINT
2-REGISTER
3-CATALINA
4-SPARE

3 BEAUTY CASH REGISTER CIRCUIT STUB-UP DETAIL
NOT TO SCALE



RX SERVICES FOR <26 10 01>:

1-CHECKPOINT
2-REGISTER
3-PC
4-MONITOR
5-VISION
6-CATALINA
7-SPARE
8-SPARE

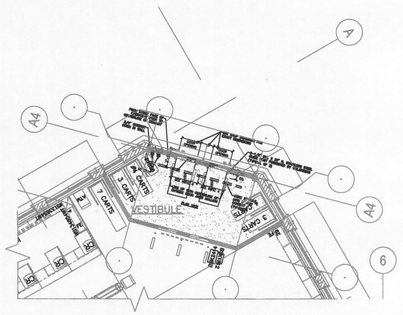
PHOTO SERVICES FOR <26 10 01>:

1-CHECKPOINT
2-REGISTER
3-PC
4-MONITOR
5-CATALINA
6-TM88 PRINTER
7-SPARE
8-SPARE

4 PHARMACY & PHOTO CASH REGISTER CIRCUIT STUB-UP DETAIL
NOT TO SCALE

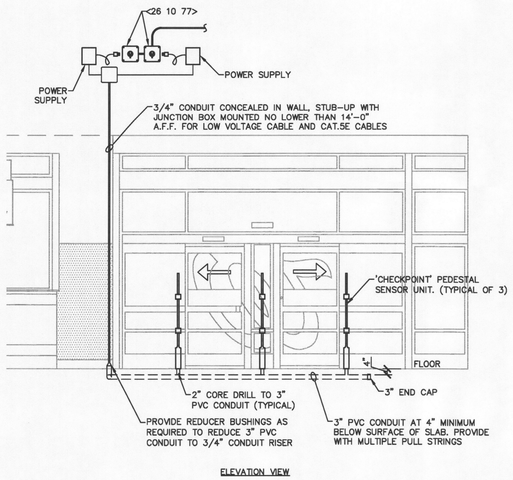
REFERENCE KEYED NOTES

DIVISION 26 – ELECTRICAL	
26 10 01	ONE (1) 20A.120V.1Ø CIRCUIT FOR CASH REGISTER (CR) LOCATION. SEE DETAILS 1, 2, 3 & 4/E-550 FOR RECEPTACLE QUANTITIES AND MOUNTING AND DETAIL 4/E-510 FOR CIRCUITING INFORMATION. HOMERUN BACK TO PANEL "LP-CR".
26 10 02	TWO (2) 20A.120V.1Ø CIRCUITS FOR OFFICE SYSTEM EQUIPMENT RECEPTACLES, CIRCUIT FROM PANEL "LP-CR". RECEPTACLES MOUNTED BELOW COUNTER 1'-6" A.F.F.
26 10 13	TWO (2) 20A.120V.1Ø CIRCUITS FROM PANEL "LP-CR" FOR RX COMMUNICATION EQUIPMENT RECEPTACLES.
26 10 17	ONE (1) 20A.120V.1Ø SATELLITE DIGITAL INTERFACE UNIT (DIU) CIRCUIT FROM PANEL "LP-CR".
26 10 18	THREE(3) 20A.120V.1Ø CIRCUIT FROM PANEL "LP-CR" FOR OFFICE COMMUNICATION CABINET RECEPTACLES.
26 10 49	ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP-CR" FOR COVERT CCTV SYSTEM. SEE DRAWING E-141 AND DETAIL 11/E-550 FOR ADDITIONAL INFORMATION.
26 10 52	FLOOR OR WALL OUTLET, CONNECT TO MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD) WITH RECEPTACLES SPACED 6" FROM CENTERS. SEE DETAIL 7/E-550.
26 10 55	FLOOR OUTLET CONNECTED TO RECEPTACLE(S) ON TOP OF GONDOLA, SEE DETAIL 7/E-550. PROVIDE CIRCUITS FROM A CONTROLLED PANEL. SEE DRAWING E-610 CONTROL SCHEDULE.
26 10 60	200W OUTLET WITH RECEPTACLE MOUNTED INSIDE CASH REGISTER STAND. REFER TO DETAILS 1, 2, 3 & 4/E-550 FOR OUTLET MOUNTING.
26 10 77	ONE (1) 20A.120V.1Ø CIRCUIT, WITH SIMPLEX RECEPTACLE(S) (QUANTITY NOTED ON PLAN), MOUNTED TO BOTTOM OF ROOF STRUCTURE FOR ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEM. SEE DETAIL 5/E-550 FOR FURTHER INFORMATION. PROVIDE LOCK-ON CIRCUIT BREAKER.
26 10 79	ONE (1) 20A.120V.1Ø CIRCUIT FROM PANEL "LP-4" FOR LUTRON SHADE POWER PANEL, OUTLET MOUNTED TO BOTTOM OF ROOF STRUCTURE. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS & SHADE WIRING DIAGRAM ON DRAWING E-550.
26 10 144	FLOOR MOUNTED JUNCTION BOX WITH GENERAL PURPOSE DUPLEX RECEPTACLE MOUNTED INSIDE FRAGRANCE CASE. REFER TO DETAIL 13/E-550 FOR MOUNTING.
26 50 15	PROVIDE OUTLET, MOUNTED 2" FROM THE FACE OF ALUMINUM FRAME AND 2" DOWN FROM TOP OF THE FINISHED OPENING FOR LOW VOLTAGE CABLES TO POWER SHADE MOTORS. ROUTE CABLES VIA POWER PANEL LOCATED BY FRONT ENTRANCE. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS & SHADE WIRING DIAGRAM ON DRAWING E-550.
26 50 16	PROVIDE OUTLET MOUNTED 4'-0" A.F.F. FOR LUTRON KEY PAD FOR LOW VOLTAGE CABLES FROM POWER PANEL. FOR ADDITIONAL INFORMATION SEE SHADE WIRING DIAGRAM ON DRAWING E-550.



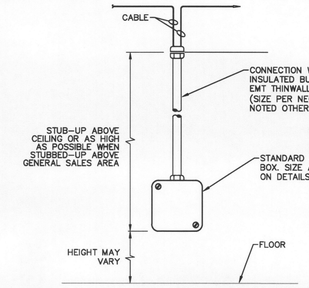
NOTES:

1. THE STORE LAYOUT SHOWN IS FOR REFERENCE ONLY. VERIFY THE ACTUAL STORE CONFIGURATION WITH FIXTURE PLAN, D-111.
2. EAS SYSTEM EQUIPMENT AND INTERCONNECTING CABLES FURNISHED AND INSTALLED BY SYSTEM VENDOR. INTERCONNECTING CABLES FINAL CONNECTION BY SYSTEM VENDOR.
3. VERIFY ACTUAL DOOR/STOREFRONT LOCATION WITH CONSTRUCTION DOCUMENTS AND STOREFRONT SHOP DRAWINGS.
4. ELECTRONIC ARTICLE SURVEILLANCE (EAS) ANTENNAS MAXIMUM SPREAD IS 7'-5" O.C. AND A MINIMUM SPREAD OF 3'-0" O.C. TO SATISFY THE NECK DOWN REQUIREMENTS OF ADA.
5. ETHERNET CABLE (CAT.5E, FURNISHED AND INSTALLED BY EAS INSTALLER) FOR THE EAS ANTENNAS SHALL BE ROUTED THROUGH THE CONDUIT THAT IS UTILIZED FOR ANTENNAS LOW VOLTAGE WIRES AND TERMINATED NEAR EAS POWER SUPPLY OUTLETS. A SEPARATE ETHERNET CABLE (CAT.5E, FURNISHED AND INSTALLED BY WALGREENS CONTRACTOR) SHALL BE ROUTED FROM THE RX COMMUNICATION CABINET PATCH PANEL TO THE SAME LOCATION (NEAR EAS POWER SUPPLY OUTLETS). FINAL CONNECTION SHALL BE PROVIDED BY WALGREENS CONTRACTOR.

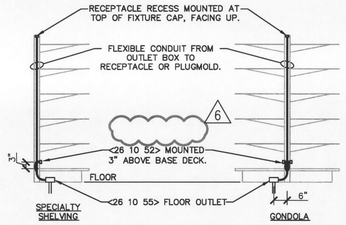


ELEVATION VIEW

5 ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEM
NOT TO SCALE



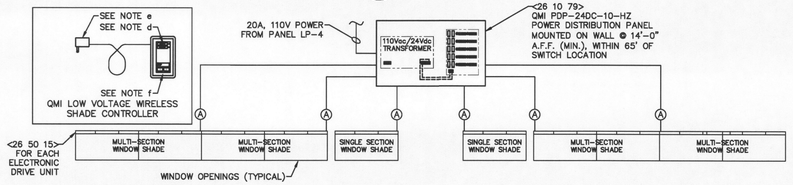
6 EQUIPMENT CONNECTION STUB-UP ELEVATION
NOT TO SCALE



NOTES:

1. ALL PLUGMOLDS TO BE WIREMOLD CO. (COLOR: WHITE): (3'-0" LONG) CAT. # 20GB306 (5'-0" LONG) CAT. # 20GB512
2. PLUGMOLDS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
3. FLOOR OUTLETS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. RECEPTACLES FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

7 GONDOLA AND SPECIALTY SHELVING PLUGMOLD AND RECEPTACLE DETAIL
NOT TO SCALE

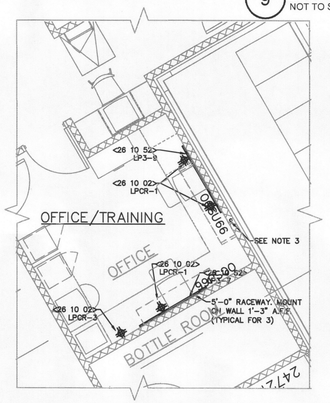


Ⓐ POWER CABLE
2 CONDUCTOR, SHIELDED – WIRE GAUGE DEPENDENT ON DISTANCE FROM SHADE TO POWER DISTRIBUTION PANEL:
150'–200' = 14AWG
100'–150' = 16AWG
<100' = 18AWG
COMMUNICATION CABLE
2 CONDUCTOR, SHIELDED – 22AWG

NOTES:

a. EACH SHADE MUST BE HOMERUN BACK TO POWER DISTRIBUTION PANEL.
b. POWER CUT IN AT SOFFIT TO BE LOCATED AT JAMB NEAREST POWER DISTRIBUTION PANEL.
c. PROVIDE WIRE DROP ABOVE SHADE THROUGH SOFFIT, 2" FROM JAMB EDGE AND 3" FROM ALUMINUM WINDOW FRAME.
d. LOW VOLTAGE WIRELESS SHADE CONTROLLER, PROVIDE & INSTALLED BY QMI. LOCATE SWITCH IN AN ACCESSIBLE LOCATION AT THE FRONT CASH REGISTER STAND.
e. PLUG-IN TRANSFORMER FOR WIRELESS SHADE CONTROLLER POWER, PROVIDED & INSTALLED BY QMI. PLUG INTO SPARE RECEPTACLE <26 10 60>, LOCATED UNDERNEATH CASH REGISTER STAND.
f. PLASTIC SINGLE GANG BOX, PROVIDED & INSTALLED BY QMI.

9 QMI LOW VOLTAGE SHADE WIRING DIAGRAM
NOT TO SCALE

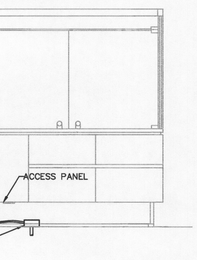


NOTES:

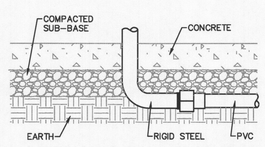
1. THIS PARTIAL FLOOR PLAN REPRESENTS THE CONFIGURATION OF EQUIPMENT SHOWN ON THE FIXTURE PLAN, D-111.
2. TWINAXIAL CABLE, FURNISHED BY WALGREENS AND INSTALLED BY LANDLORD'S CONTRACTOR, BELDEN 9207, (PROVIDE 10 FEET OF SLACK AT EACH END). ROUTE FROM AS/400 TERMINAL (DRAWING D-111, #24B) TO OFFICE COMMUNICATION CABINET. (1-1/2" CONDUIT. STUB-UP CONDUIT TO ABOVE CEILING AT AS/400 TERMINAL AND AT OFFICE COMMUNICATION CABINET, SEE DETAIL 6/E-550).
3. ONE (1) 1" SPARE COMMUNICATION CONDUIT WITH #12 PULL STRING TO OFFICE COMMUNICATION CABINET.

10 PARTIAL FLOOR PLAN - OFFICE POWER AND SYSTEMS
1/4" = 1'-0"

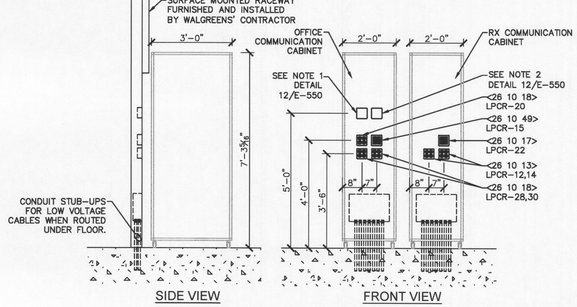
City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number



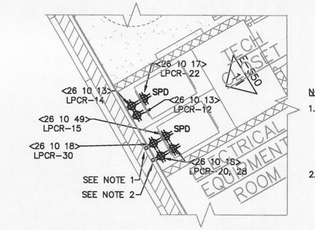
13 FRAGRANCE CASE ELEVATION
NOT TO SCALE



8 UNDER SLAB PVC CONDUIT WITH RIGID STEEL STUB-UP
NOT TO SCALE



11 TECH ROOM COMMUNICATION CABINETS - ELEVATION
NOT TO SCALE



NOTES:

1. TWINAXIAL CABLE, FURNISHED BY WALGREENS AND INSTALLED BY LANDLORD'S CONTRACTOR, BELDEN 9207, (PROVIDE 10 FEET OF SLACK AT EACH END). ROUTE FROM AS/400 TERMINAL (DRAWING D-111, #24B) TO OFFICE COMMUNICATION CABINET. (1-1/2" CONDUIT. STUB-UP CONDUIT TO ABOVE CEILING AT AS/400 TERMINAL AND AT OFFICE COMMUNICATION CABINET, SEE DETAIL 6/E-550).
2. ONE (1) 1" SPARE COMMUNICATION CONDUIT WITH #12 PULL STRING TO OFFICE COMMUNICATION CABINET.

12 PARTIAL FLOOR PLAN - TECH ROOM POWER AND SYSTEMS
1/4" = 1'-0"

Walgreens
FACILITIES PLANNING
DESIGN AND ENGINEERING
1411 LAKE COOK ROAD
DEERFIELD, IL 60015-5105

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
RESPIRE
OREGON
MAR 26 2015
RENEWAL 06/30/2015

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WA

PANEL LP-1 – SEE NOTE 8 (ALL LIGHTING LOADS)

SPACES: 42 | MOUNTING: SURFACE | LOCATION: ELECTRICAL ROOM | MAIN LUG ONLY: 225A | MAIN BREAKER | VOLTAGE: 120/208V.3ø.4W | MAIN BUS RAT. 225A | FEED: BOTTOM

NOTE	GROUP		CKT. NO.	DESCRIPTION	LOADS (W) A ø	B ø	C ø	BKR SIZE	POLE	A B C	BKR SIZE	POLE	LOADS (W) A ø	B ø	C ø	DESCRIPTION	CKT. NO.		GROUP	NOTE
9	5	L	1	PHARMACY LIGHTING	811			20	1		20	1	756			TOILET, EMP. RM., PASSAGE #1, EF-2, EF-1 (SIEMENS ONLY)	2	L	1	14
4,9		L	3	SPARE				20	1		20	1		792		STOCKROOM, MARKET SERVICE AREA	4	L		14
4,9	5A	L	5	PHARMACY LIGHTING			748	20	1		20	1			421	OFFICE, PORTER, TECH ROOM, CONSULT RM. LIGHTING	6	L		14
		L	7	EXIT SIGNS	100			20	1		20	1	200			ELECTRICAL ROOM EF-3	8			9
9			9	GENERAL SALES LIGHTING		1001		20	1		20	1			558	NIGHT LIGHTS/EMERGENCY LIGHTS	10	L		14
9	2		11	GENERAL SALES LIGHTING			1001	20	1		20	1			1002	GENERAL SALES LIGHTING	12		2	9
9	3		13	GENERAL SALES, PATIENT SEATING LIGHTING	949			20	1		20	1	1044			GENERAL SALES LIGHTING	14		2	9
9	2		15	'H' FIXTURES LIGHTING		125		20	1		20	1		1600		ANTHONY COOLER/FREEZER DOOR LIGHTS	16	L	2	7,9
9	2		17	'H' FIXTURES LIGHTING			391	20	1		20	1			500	ANTHONY COOLER/FREEZER DOOR LIGHTS	18	L	2	9
9	2		19	FRONT CHECKOUT TRACK LIGHTING	80			20	1		20	1				SPARE	20			9
9	1		21	GENERAL SALES LIGHTING & HOT WATER RECIRCULATION PUMP		853		20	1		20	1		783		GENERAL SALES LIGHTING	22		3	9
9	2		23	GENERAL SALES LIGHTING			914	20	1		20	1			740	GENERAL SALES LIGHTING	24		1	9
7,9	1		25	GENERAL SALES & COOLER/FREEZER INTERIOR LIGHTING	1000			20	1		20	1	783			GENERAL SALES LIGHTING	26		2	9
9	3		27	GENERAL SALES LIGHTING		1131		20	1		20	1		600		LIT SHELVING PLUGMOLDS (7)	28		2	9
9	2		29	GENERAL SALES LIGHTING			740	20	1		20	1				SPARE	30		2	9
9	16		31	WINDOW SIGNS	1000			20	1		20	1				SPARE	32		2	9
9	16		33	SPARE				20	1		20	1				SPARE	34		2	9
9,12			35	SPARE				20	1		20	1				SPARE	36		2	9
9,12			37	SPARE				20	1		20	1				SPARE	38		2	9
9,12			39	SPARE				20	1		20	1				SPARE	40			9,13
9,12			41	SPARE				20	1		20	1			500	LIGHTING CONTROLS	42	L		11
				TOTAL	3940	3110	3794						TOTAL	2783	4333	3163				

PANEL LP-2 (VERSION 2) – SPLIT BUS PANEL – APPLIES TO STORES WITH AIR CURTAIN, WALL HEATERS (SEE NOTE 13) & ENTRANCE HEATER

SPACES: 42 | MOUNTING: SURFACE | LOCATION: ELECTRICAL ROOM | MAIN LUG ONLY: 225A | MAIN BREAKER | VOLTAGE: 120/208V.3ø.4W | MAIN BUS RAT. 225A | FEED: TOP

NOTE			CKT. NO.	DESCRIPTION	LOADS (W) A ø	B ø	C ø	BKR SIZE	POLE	A B C	BKR SIZE	POLE	LOADS (W) A ø	B ø	C ø	DESCRIPTION	CKT. NO.			NOTE
18	SECTION A		1	AIR CURTAIN – IF REQUIRED	7500			60			30		1801				2	SECTION A		
			3			7500			2					1801		BALER	4			
			5	SPARE				20	1			3			1801		6			
			7	SPARE				20	1		20	1				SPARE	8			
			9	SPARE				20	1		20	1				SPARE	10			
			11	SPARE				20	1		20	1				SPARE	12			
			13	SPACE							20	1				SPARE	14			
			15	SPACE							20	1				SPARE	16			19
		L	17	ELECTRIC WATER COOLER			370	20	1		20	1				SPARE	18			
			19	SPACE							20	1	400			IRRIGATION CONTROLLER	20			
		L	21	EMPLOYEE ROOM REFRIGERATOR	500			20	1							SPACE	22			
			23	EMPLOYEE ROOM GFCI RECEPTACLE		1000		20	1							SPACE	24			21
			25					60								SPACE	26			
16			27	SECTION "B" FEEDER CIRCUIT BREAKER												SPACE	28			
			29						3							SPACE	30			13
				NOTE: PROVIDE 60A, 3P, PANEL MOUNTED CONTACTOR						C										
	SECTION B		31	WALL HEATER – EMPLOYEE ROOM – IF REQUIRED	1000			20								SPACE	32	SECTION B		
			33			1000			2							SPACE	34			
			35	WALL HEATER – WOMEN'S TOILET – IF REQUIRED			1000	20								SPACE	36			
			37		1000				2							SPACE	38			
			39	WALL HEATER – MEN'S TOILET – IF REQUIRED		1000		20								SPACE	40			
			41				1000		2							SPACE	42			
				TOTAL	9500	10000	3370						TOTAL	2201	1801	1801				

PANEL LP-3 (ALL PLUG LOADS)

SPACES: 42 | MOUNTING: SURFACE | LOCATION: ELECTRICAL ROOM | MAIN LUG ONLY: 225A | MAIN BREAKER | VOLTAGE: 120/208V.3ø.4W | MAIN BUS RAT. 225A | FEED: TOP

NOTE		CKT. NO.	DESCRIPTION	LOADS (W) A ø	B ø	C ø	BKR SIZE	POLE	A B C	BKR SIZE	POLE	LOADS (W) A ø	B ø	C ø	DESCRIPTION	CKT. NO.		NOTE
		1	ROOFTOP UNIT MAINTENANCE RECEPTACLES	1080			20	1		20	1				SPARE	2		
	L	3	ELECTRONIC ARTICLE SURVEILLANCE – EAS		200		20	1		20	1				SPARE	4		
	L	5	PHARMACY BIOLOGICAL REFRIGERATORS & FREEZER			500	20	1		20	1				SPARE	6		
		7	OFFICE PLUGMOLD	180			20	1		20	1	504			ANTHONY COOLER DOOR FRAME HEATERS	8		
		9	OFFICE PLUGMOLD		180		20	1		20	1		504		ANTHONY COOLER DOOR FRAME HEATERS	10	L	7
		11	OFFICE PLUGMOLD			180	20	1		20	1			720	"V MODEL" WALK-IN COOLER/FREEZER MANDOOR HEATERS	12	L	7
		13	SPACE							20	1	875			ANTHONY FREEZER GLASS 3-DOOR & FRAME HEATERS	14	L	7
		15	SPACE							20	1		1166		ANTHONY FREEZER GLASS 4-DOOR & FRAME HEATERS	16	L	7
		17	SPACE							20	1			91	WALK-IN FREEZER CONDENSATE DRAIN LINE HEAT TRACING	18	L	7
		19	STOCKROOM GENERAL PURPOSE RECEPTACLES	600			20	1		20	1	200			SHELVING RECEPTACLES	20		
		21	PHARMACIST DESK & FINISHED WORK CABINET RECEPTS		600		20	1		20	1		400		SHELVING RECEPTACLES, CONV. RECEPTACLE (PASSAGE #1)	22		
		23	PHARMACY DRIVE-THRU AUDIO & ALERT SYSTEM			100	20	1		20	1			1500	GENERAL PURPOSE RECEPTACLE (SATELLITE DISH)	24		
		25	PHARMACY DRIVE-THRU AUDIO & ALERT SYSTEM	100			20	1		15		34			SS-1	26		
		27	PHARMACY WORK COUNTER CONVEYOR OUTLET		500		20	1			2		34			28		
		29	CONSULT ROOM CABINET RECEPTACLES			1200	20	1		20				1352	CU-1	30		
		31	CONSULT ROOM CABINET RECEPTACLES	1000			20	1			2	1352				32		
GFCI		33	(2) PHARMACY WORK COUNTER PLUGMOLDS		500		20	1							SPACE	34		
		35	PHARMACY WORK COUNTER RECEPTACLES			1400	20	1		20	1			1200	BEVERAGE COOLER	36	L	
		37	PHARMACY RECEPTS. (INSIDE CASH REGISTER STAND)	800			20	1		20	1	480			FRONT RECEPTACLES (INSIDE CASH REGISTER STAND)	38		
		39	PATIENT SEATING AND REFILL KIOSK RECEPTACLES		800		20	1		20	1		200		BEAUTY RECEPTACLES (INSIDE CASH REGISTER STAND)	40		
		41	SPARE				20	1		20	1			200	PHOTO RECEPTACLES (INSIDE CASH REGISTER STAND)	42		
			TOTAL	3760	2780	3380						TOTAL	3445	2304	5063			

PANEL LP-4 (ALL PLUG LOADS)

SPACES: 42 | MOUNTING: SURFACE | LOCATION: ELECTRICAL ROOM | MAIN LUG ONLY: 225A | MAIN BREAKER | VOLTAGE: 120/208V.3ø.4W | MAIN BUS RAT. 225A | FEED: TOP

NOTE		CKT. NO.	DESCRIPTION	LOADS (W) A ø	B ø	C ø	BKR SIZE	POLE	A B C	BKR SIZE	POLE	LOADS (W) A ø	B ø	C ø	DESCRIPTION	CKT. NO.		NOTE
		1	GENERAL PURPOSE RECEPTACLES	600			20	1		20	1	1200			AUTOMATIC SLIDING DOORS	2		
		3	SPARE				20	1		20	1				SPARE	4		
		5	SOUND MASKING SYSTEM (WHEN REQUIRED)			95	20	1		20	1			340	PAPER PROCESSOR	6		
		7	LARGE FORMAT PRINTER	55			20	1		20	1	140			IMAGE PROCESSOR PC	8		
		9	SHELVING PLUGMOLD		200		20	1		20	1		660		PHOTO KIOSK	10		
		11	PHOTO LAB RECEPTACLES			600	20	1		20	1			660	PHOTO KIOSK	12		
		13	GENERAL PURPOSE RECEPT	200			20	1		20	1	660			PHOTO KIOSK	14		
		15	SPARE				20	1		20	1		660		PHOTO KIOSK	16		
		17	LUTRON SOLAR SHADES			800	20	1		20	1				SPARE	18		
		19	SPARE				20	1		20	1				SPARE	20		
		21	LED SIGN POWER SUPPLY RACK RELAY (WHERE REQ'D)				20	1							SPACE	22		
		23	SPACE												SPACE	24		
		25	SPACE												SPACE	26		
		27	SPACE												SPACE	28		
		29	SPACE												SPACE	30		
		31	SPACE												SPACE	32		
		33	SPACE												SPACE	34		
		35	SPACE												SPACE	36		
		37	SPACE							20		500				38		
		39	SPACE										500		POWER MONITOR EQUIPMENT	40		
		41	SPACE								3			500		42		
			TOTAL	855	200	1495						TOTAL	2500	1820	1500			

PANEL LP-SP – SEE NOTE 8 (ALL LIGHTING LOADS)

SPACES: 42 | MOUNTING: SURFACE | LOCATION: ELECTRICAL ROOM | MAIN LUG ONLY: 225A | MAIN BREAKER | VOLTAGE: 120/208V.3ø.4W | MAIN BUS RAT. 225A | FEED: BOTTOM

NOTE	GROUP		CKT. NO.	DESCRIPTION	LOADS (W) A ø	B ø	C ø	BKR SIZE	POLE	A B C	BKR SIZE	POLE	LOADS (W) A ø	B ø	C ø	DESCRIPTION	CKT. NO.		GROUP	NOTE
9	7		1	PYLON SIGN – PRIMARY PANEL	1224			20	1		20	1	1000			WALGREENS SIGNS (EXT. ELEVATION 1 & 4)	2		7	9,15
9	13		3	PYLON SIGN – LED READERBOARD		1224		20	1		20	1				SPARE	4			9
9	13		5	SPARE				20	1		20	1				SPARE	6			9
9	10		7	DRIVE-THRU CANOPY – LIGHTING	376			20	1		20	1				SPARE	8			9
9			9	SPARE				20	1		20	1		1000		WALGREENS SIGNS (EXT. ELEVATION 2 & 3)	10		7	9,15
9			11	SPARE				20	1		20	1				SPARE	12		7	9
9			13	SPARE				20	1		20	1	282			EGRESS LIGHTING	14		6	9
9	2		15	GONDOLA RECEPTACLES		600		20	1		20	1				SPARE	16			9
9	7A		17	CANOPY ENTRANCE LIGHTING			1062	20	1		30			300		SITE LIGHTING	18		9	9
9	12		19	SPARE				20	1			2	300				20			
9			21	SPARE				20	1		30			300		SITE LIGHTING	22		9	9
9	2		23	PICTURE CARE/TERMINAL			600	20	1			2			300		24			
9	2		25	GONDOLA RECEPTACLES	900			20	1		30		300			SITE LIGHTING	26		9	9
9	2		27	GONDOLA RECEPTACLES		900		20	1			2		300			28			
9	2		29	GONDOLA RECEPTACLES			1620	20	1		30				300	SITE LIGHTING	30		8	9
9	2		31	GONDOLA RECEPTACLES	1080			20	1			2	300				32			
9	2		33	GONDOLA RECEPTACLES		1080		20	1		20	1		480		ARCHITECTURAL ACCENT FIXTURES	34		12	9
9	2		35	BEAUTY GONDOLA RECEPTACLES			1260	20	1		20	1				SPARE	36		12	9
9	2		37	BEAUTY GONDOLA RECEPTACLES	1800			20	1		30					SPARE	38		9	9
9	2		39	BEAUTY GONDOLA RECEPTACLES		1440		20	1			2					40			
11		L	41	LIGHTING CONTROLS (SIEMENS)			500	20	1		20	1				CONTACTOR CONTROL (SIEMENS)	42			11
				TOTAL	5380	5244	5042						TOTAL	2182	2080	900				

PANEL LP-CR – SEE NOTE 10 (ALL PLUG LOADS)

SPACES: 42 | MOUNTING: SURFACE | LOCATION: ELECTRICAL ROOM | MAIN LUG ONLY: 225A | MAIN BREAKER | VOLTAGE: 120/208V.1ø.3W | MAIN BUS RAT. 225A | FEED: TOP

NOTE		CKT. NO.	DESCRIPTION	LOADS (W) A ø	B ø	BKR SIZE	POLE	A B	BKR SIZE	POLE	LOADS (W) A ø	B ø	DESCRIPTION	CKT. NO.		NOTE
	L	1	OFFICE SYSTEM EQUIPMENT	750		20	1		20	1			SPARE	2	L	
	L	3	OFFICE SYSTEM EQUIPMENT		750	20	1		20	1		800	PHARMACIST DESK TERMINAL/PRINTER	4	L	
	L	5	(3) FRONT CASH REGISTERS (160W/EACH)	480		20	1		20	1	270		(2) PHARMACY FILLING TERMINALS (135W/EACH)	6	L	
	L	7	(2) PHARMACY FRONT CASH REGISTERS (170W/EACH)		340	20	1		20	1		270	(2) PHARMACY REFILL KIOSKS (135W/EACH)	8	L	
	L	9	PHOTO CASH REGISTER (160W/EACH)	160		20	1		20	1			SPARE	10	L	
	L	11	BEAUTY CASH REGISTER (160W/EACH)		160	20	1		20	1		500	PHARMACY COMMUNICATION CABINET	12	L	
	L	13	FUTURE PRESCRIPTION FILLING ROBOT	1680		20	1		20	1	500		PHARMACY COMMUNICATION CABINET	14	L	
	L	15	COVERT CCTV SYSTEM		270	20	1		20	1		180	TRAINING TERMINAL	16	L	
	L	17	BURGLAR/TELEPHONE/SOUND SYSTEM/INDYME/FUTURE EMS	820		20	1		20	1	350		PHARMACY CAMERAS	18	L	
	L	19	TIME/ATTENDANCE (ELECTRIC TIME CLOCK)		10	20	1		20	1		500	OFFICE COMMUNICATION CABINET	20	L	
	L	21	FIRE ALARM SYSTEM/DUCT SMOKE DETECTORS – IF REQUIRED	200		20	1		20	1	400		SAT ANTENNA-DIGITAL INTERFACE UNIT (DIU/O)	22	L	
	L	23	PHOTO LCD DISPLAY		500	20	1		20	1		500	LVS	24	L	
	L	25	AUTOMATED TELLER MACHINE (ATM)	200		20	1		20	1			SPARE	26	L	
	L	27	PHARMACY DRIVE-THRU CASH REGISTER (170W EACH)		340	20	1		20	1		500	OFFICE COMMUNICATION CABINET	28	L	
	L	29	PHARMACY WAITING TERMINAL	135		20	1		20	1	500		OFFICE COMMUNICATION CABINET	30	L	
	L	31	PHARMACY MONITORS		600	20	1		20	1		270	(2) PHARMACY FILLING TERMINALS (135W/EACH)	32	L	
	L	33	PHOTO WORKSTATION	135		20	1		20	1			SPARE	34	L	
	L	35	PHOTO WORKSTATION		135	20	1		20	1			SPARE	36	L	
	L	37	SPARE			20	1		20	1			SPARE	38	L	
	L	39	SPARE			20	1		20	1			SPARE	40	L	
	L	41	SPARE			20	1		20	1			SPARE	42	L	
			TOTAL	4560	3105						TOTAL	2020	3520			

City of Portland
REVIEWED FOR CODE COMPLIANCE
MAY 12 2015
Permit Number

LEGEND

GFCI	PROVIDE GFCI CIRCUIT BREAKER
L	PROVIDE LOCK-ON HARDWARE

NOTES

1. ALL PANELBOARDS SHALL BE NEW AND 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 26 10 00, PAR. 2.02.
2. PROVIDE "LOCK-ON" HARDWARE FOR ALL CRITICAL LOADS, COOLER/FREEZER, WATER COOLER, REFRIGERATORS, ETC.
3. NO SPACES ALLOWED IN PANELS UNLESS NOTED OTHERWISE. ALL PANELS SHALL HAVE 42 CIRCUIT BREAKERS UNLESS NOTED OTHERWISE.
4. FOR PHARMACY EMERGENCY LIGHTING, REFER TO DETAIL 4/E-620 FOR EMERGENCY UNIT BATTERIES WIRING.
5. PANEL "LP-CR" SHALL HAVE A NEUTRAL BUS WITH 43 SCREWS (MINIMUM).
6. 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."
7. WALK-IN COOLER/FREEZER WIRING:
   - 7.1 LP1, CIRCUIT 16: FEEDS ANTHONY COOLER/FREEZER DOOR LIGHTING ONLY. DO NOT CONNECT DOOR HEATERS AND/OR ALARM UNIT TO THIS CIRCUIT.
   - 7.2 LP-3, CIRCUIT 10: FEEDS ANTHONY COOLER DOOR FRAME HEATERS.
   - 7.3 LP-3, CIRCUIT 12: FEEDS "V MODEL" WALK-IN COOLER/FREEZER MANDOOR FRAME HEATER AND ALARM UNIT ONLY.
   - 7.4 LP-3, CIRCUITS 14 AND 16: FEEDS ANTHONY FREEZER GLASS DOOR AND FRAME HEATERS.
   - 7.5 LP-3, CIRCUIT 18: FEEDS WALK-IN FREEZER CONDENSATE DRAIN LINE HEATER.
   - 7.6 LP-1, CIRCUIT 25: FEEDS INTERIOR CFL LUMINAIRES
8. LIGHTING PANELBOARDS "LP-1" & "LP-SP" MUST BE BOTTOM FED TO ACCOMMODATE LIGHTING CONTROL LOW VOLTAGE RELAY SECTION.
9. DENOTES CIRCUITS REMOTELY CONTROLLED BY SIEMENS INSTABUS RELAY OR BY SQUARE D CONTROLLED BREAKER SYSTEM. FOR SEQUENCE OF OPERATION REFER TO DRAWING E-610.
10. THE ORDER OF LOADS SHOWN ON THE PANEL "LP-CR" SCHEDULE IS A WALGREEN STANDARD AND SHALL BE LISTED AS SHOWN.
11. FACTORY PREWIRED.
12. SPACE FOR UP TO TWO SQUARE D EMERGENCY BREAKERS ECB142020G3EL (APPLIES ONLY TO SQUARE D STORES IN AREAS WITH SPECIAL EMERGENCY ILLUMINATION REQUIREMENTS).
13. FOR SPLIT BUS PANEL "LP-2" (VERSION 2), SECTION "B" CONTACTOR CONTROL CIRCUIT REFER TO DETAIL 3, DRAWING E-620.
14. DENOTES CIRCUITS REMOTELY CONTROLLED BY SIEMENS INSTABUS RELAY. SQUARE D SHALL UTILIZE NON-CONTROLLED BREAKERS. REFER TO DETAIL 4, DRAWING E-620.
15. FOR SIGN ELEVATIONS AND POWER REQUIREMENTS, REFER TO DRAWING E-171 AND ARCHITECTURAL DRAWINGS.
16. CIRCUIT BREAKER MUST BE FACTORY PRE-WIRED TO CONTACTOR FOR SQUARE D PANEL. CIRCUIT BREAKERS MUST BE WIRED IN THE FIELD TO CONTACTORS FOR SIEMENS PANELS.
17. EACH REMOTELY CONTROLLED SIEMENS RELAY MUST BE EQUIPPED WITH MANUAL MECHANICAL OVERRIDE PROVISIONS. MECHANICAL OVERRIDE PROVISION WOULD ALLOW STORE PERSONNEL TO CONTROL LIGHTS MANUALLY WHEN SYSTEM IS NOT FUNCTIONAL.
18. APPLIES ONLY WHEN AIR CURTAIN AC-1 IS SPECIFIED ON THE MECHANICAL DRAWINGS.
19. APPLIES ONLY WHEN ENTRANCE HEATER EH-1 IS SPECIFIED ON THE MECHANICAL DRAWINGS.
20. PRIOR TO POSSESSION DATE, THE LATEST COPY OF PANELS LP-1 AND LP-SP SCHEDULES MUST BE FAXED BY THE ELECTRICAL CONTRACTOR TO WALGREENS ENERGY MANAGEMENT GROUP AT (224) 855-2879. FOR SUPPORT, CALL WALGREENS ENERGY MANAGEMENT GROUP AT (224) 855-2001.
21. APPLIES ONLY TO STORES WITH ELECTRIC WATER HEATER. COORDINATE AND CONSULT WITH PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
22. ALL PANELS SHALL HAVE 65K AIC RATING, INCLUDING MAIN DISTRIBUTION PANEL. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE SERVICE DISCONNECTING MEANS.

(6)

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

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
88888
OREGON
SPECIAL VOLTAGE
MAR 26 2015

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 OREGON AS SIGNIFIED BY MY HAND AND SEAL.

rtm engineering consultants

NO.	DATE	BY	REVISIONS
	03.27.2015	RTM	PR02
A	03.09.2015	RTM	ASI #02
A	01.12.15	RTM	CONSTRUCTION SUBMITTAL
	11.14.14	RTM	ISSUED FOR BID

ELECTRICAL PANEL SCHEDULES WITH WALL HEATERS
PROJECT ID: 14-0152-01A
STORE NUMBER: 16251
WALGREENS
NE SANDY BLVD & NE 70TH AVE.
PORTLAND, OREGON

FILE NAME:
DRAWN BY:
DATE: 10.24.14
REVIEWED:

E-630