

Remodel of **BEST BUY #0150**

888 Harriman Pl. San Bernardino, CA 92408

ABBREVIATIONS ACOUSTICAL CEILING TILE ADJACENT MAINTENANCE/ MAINTAIN ADMINISTRATION MASONRY ABOVE FINISHED FLOOR MATERIAL ABOVE FINISHED GRADE MAXIMUM AGGREGATE MAGNOLIA DESIGN CENTER **AUTHORITY HAVING** MECHANICAL JURISDICTION MEMBRANE MAGNOLIA HOME THEATER ALTERNATE/ALTERATION MUSICAL INSTRUMENT **APPROXIMATE ENTRY MATT CARPET TILE** MEZZANINE **AVENUE** MANUFACTURER MIRROR MASONRY OPENING BOTTOM OF CURB BUILDING NOT IN CONTRACT NO./# NUMBER **BOULEVARD** NOMINAL **BOTTOM OF** NOT-TO-SCALE BEARING BETWEEN ON-CENTER CONTROL JOINT OFD OPNG OVERFLOW DRAIN CENTER LINE OPENING OPP CEILING OPPOSITE CAULKING CONCRETE MASONRY UNITS **CLEAN OUT PRECAST** COLUMN CONCRETE PERFORATED CONTINUOUS COORDINATE PLASTIC LAMINATE CENTER PLYWOOD PUSH PLATE PAIR **DECIBEL** PRESSURE TREATED DEPARTMENT PREFABRICATED **DETAIL PVMT** DRINKING FOUNTAINDIAMETER PAVEMENT DIAGONAL DIMENSION QTR QUARTER DOWN SPOUT DRAWING RADIUS RUBBER-BASE **EXTERIOR INSULATION &** RCP REFLECTED CEILING PLAN FINISH SYSTEM ROOF DRAIN **EXPANSION JOINT** RECEPTION ELEVATION RECEPT RECEPTACLE **ELECTRICAL** RECT REINF RECTANGULAR

EMERGENC' **ELECTRICAL** PANELBOARD/ END PANEL EXST (E) EXISTING TO REMAIN **EXTERIOR FURNISHED AND INSTALLED BY** CONTRACTOR

REINFORCED

ROUGH OPENING

RAINWATER LEADER

RIGHT OF WAY

REQUIRED

RESILIENT

REVISION

ROOM

SOLID CORE

SCHEDULE

SQUARE FEET

SPECIFICATION

SERVICE SINK

STANDARD

STORAGE

SURFACE

SUSPENDED

SYMMETRICAL

TEMPORARY

TOLERANCE

UNFINISHED

OTHERWISE

UTILITY

VERTICAL

VOLUME

WITHOUT

WAINSCOT

WOOD

WATER CLOSET

WATER HEATER

VERIFY IN FIELD

VINYL COMPOSITE TILE

UNLESS NOTED

UNIFORM BUILDING CODE

THICK **THRESHOLD**

TOILET

TYPICAL

STEEL

STAINLESS STEEL

SECTION

SCD

SECT

STD

SUSP

SYM

TEMP

TOL

TYP

UNO

UTIL

VOL

WAIN

FLOOR DRAIN FIRE DEPARTMENT CONNECTION FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET **FLOOR** FROM/ FACTORY MUTUAL RESEARCH CORP FACE OF FURNISHED BY OWNER INSTALLED BY CONTRACTOR FURNISHED BY OWNER NSTALLED BY OWNER FIRE RETARDANT TREATED FOOT OR FEET FOOTING

GAUGE GALVANIZED GRAB BAR GYPSUM HOSE BIB

FURNACE/ FURNISH

EQUAL

HANDICAPPED\ HOLLOW-CORE WOOD HOLLOW METAL

INSUL INSULATION INTERIOR INSTALLATION SERVICE CENTER

KNOCKOUT KICK PLATE

LAVATORY LOCKER LIVE LOAD LOSS PREVENTION LTWT LIGHTWEIGHT

GENERAL NOTES

THESE DRAWINGS ARE THE PROPERTY OF BEST BUY STORES, L.P. NO CHANGES TO THESE DOCUMENTS, EITHER IN WHOLE OR IN PART, MAY BE MADE WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE INDIVIDUAL WHOSE NAME AND SIGNATURE APPEARS UPON THE DOCUMENTS.

WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS AND ALL STATE AND FEDERALLY MANDATED REQUIREMENTS IN EFFECT AT THE TIME OF SUBMITTAL FOR BUILDING

THESE DRAWINGS DO NOT CONTAIN INFORMATION WITH REGARD TO CONSTRUCTION SAFETY PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SAFETY AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH STATE AND/OR FEDERAL CONSTRUCTION SAFETY GUIDELINES.

GENERAL CONTRACTOR TO THOROUGHLY REVIEW THESE DRAWINGS, VISIT THE SITE, VERIFY ALL DIMENSIONS BEFORE SUBMITTING A BID, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

THE OWNER WILL PAY ALL APPLICABLE ENVIRONMENTAL UTILITIES FEES AT BUILDING PERMIT ISSUANCE.

ITEMS SHOWN AS N.I.C. ON PLANS MAY REQUIRE SEPARATE SUBMITTALS, APPROVALS AND PERMITS INSTALLING CONTRACTOR(S) ARE RESPONSIBLE FOR OBTAINING EACH REQUIRED PERMIT FOLLOWING ITEMS INCLUDED TO BE DEFERRED SUBMITTAL:

7.a. SPRINKLER SYSTEM 7.b. SECURITY AND FIRE ALARM SYSTEMS

ALL DEFERRED SUBMITTAL ITEMS SHALL FIRST BE SUBMITTED TO PROJECT ARCHITECT FOR REVIEW AND COORDINATION, SUBMITTAL SHALL INCLUDE A LETTER THAT THIS REVIEW AND COORDINATION HAS BEEN PERFORMED AND COMPLETED, ALL PLANS AND CALCULATIONS FOR DEFERRED ITEMS ARE FOUND TO BE ACCEPTABLE (WITH REGARD TO GEOMETRY, LOAD CONDITIONS, ETC) WITH NO EXCEPTION.

8. ALL EXISTING FIRE LANES TO BE MAINTAINED. 9. ALL EXISTING PUBLIC UTILITY PARKING, CROSS ACCESS, ELECTRIC EASEMENTS, ETC. SHALL BE

10. VERIFY MINIMUM SLOPE TO DRAIN AS INDICATED ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.

I1. VERIFY IN FIELD, ELEVATIONS, FLOW LINES, EXISTING CONDITIONS, AND POINTS OF CONNECTION WITH SITE IMPROVEMENTS PRIOR TO THE START OF CONSTRUCTION, ANY DISCREPANCIES ARE TO BE CALLED TO THE ATTENTION OF THE ARCHITECT AND CIVIL ENGINEER BEFORE PROCEEDING WITH ANY WORK. 12. PROVIDE POSITIVE DRAINAGE OF SURFACE WATER AWAY FROM ALL BUILDINGS WITHOUT PONDING OF WATER ADJACENT TO BUILDINGS OR ON PAVEMENTS. DRAINAGE OF PAVED AND LANDSCAPED AREAS TO BE A MINIMUM OF 1%, UNLESS OTHERWISE NOTED. MAXIMUM CROSS SLOPE AT ALL WALKS SHALL BE 2%

13. ALL EARTH WORK TO BE PERFORMED UNDER THE OBSERVATION OF THE SOILS ENGINEER IN ACCORDANCE WITH RECOMMENDATIONS OF THE SOILS REPORT TO ASSURE PROPER SITE PREPARATION, SELECTION OF SATISFACTORY FILL MATERIALS, AND PLACEMENT AND COMPACTION OF THE FILLS.

15. ALL BUILDING HEIGHTS AND ELEVATIONS SHALL BE MEASURED FROM FINISH FLOOR UNLESS OTHERWISE

14. REPAIR EXISTING PUBLIC FACILITIES DAMAGED DURING THE COURSE OF CONSTRUCTION TO THE SATISFACTION OF AUTHORITY HAVING JURISDICTION.

16. ENSURE ALL FINISH MATERIALS WILL BE FLUSH WITH ADJACENT SURFACES AND JOINTS, (EXCEPT WHERE

17. ALL EXPOSED FLASHING AND EXPOSED METAL TO MATCH ADJACENT FINISH. 18. PRIOR TO THE ISSUANCE OF A BUILDING PERMIT ALL APPLICABLE FEES SHALL BE PAID. THESE FEES

19. DURING CONSTRUCTION, ACCESS SHALL BE PROVIDED TO ALL AREAS OF THE SITE COMPLETELY AROUND STRUCTURES. THE ACCESS ROAD SHALL BE 20 FEET WIDE COMPACTED 95% PAVED ROADWAY OR EQUIVALENT. EXCEPTIONS TO BE VERIFIED BY BEST BUY CONTACT.

SHALL INCLUDE, BUT NOT BE LIMITED TO, THOSE FEES REQUIRED BY CITY ORDINANCES SUCH AS TRAFFIC

IMPACT FEES, NOISE FEES, PUBLIC FACILITIES FEES, FIRE IMPACT FEES, AND REGIONAL TRANSPORTATION

20. PROVIDE CONTAINER FOR ALL CONSTRUCTION DEBRIS, TRASH AND MATERIALS ON-SITE UNTIL DISPOSAL OFF-SITE CAN BE ARRANGED. REFER TO SPECIFICATION: GREEN BUILDING PROJECT REQUIREMENTS. 21. ELECTRICAL PANELS. FIRE EXTINGUISHER CABINETS. ETC. LOCATED IN RATED PARTITIONS SHALL BE

BACKED WITH GYP. BD. AS REQUIRED TO MAINTAIN RATING. CONTRACTOR TO VERIFY WALL THICKNESS REQUIRED FOR ALL ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, ETC. 22. PROVIDE DOUBLE STUDS, BLOCKING, BRACING AND BACK-UP PLATES WHERE REQUIRED TO SUPPORT

EQUIPMENT, MISCELLANEOUS ITEMS,(I.E., TYPICAL CASEWORK, CABINETS, GRAB BARS, TOILET ACCESSORIES, FIXTURES, SIGNS, HAND RAILING, ETC.) ALL WOOD BLOCKING TO F.R.T. AS REQ'D BY CODE. 23. ALL COLUMN LINES SHOWN ON FLOOR PLANS WILL HAVE COLUMN LINE INDICATOR BUBBLES SHOWN ON

24. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE OWNER'S REPRESENTATIVE BEFORE CONTINUING WITH

THEM. THESE BUBBLES ARE FOR REFERENCE ONLY. THE COLUMNS ARE NUMBERED ON THE STRUCTURAL

25. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE ALL TRADES.

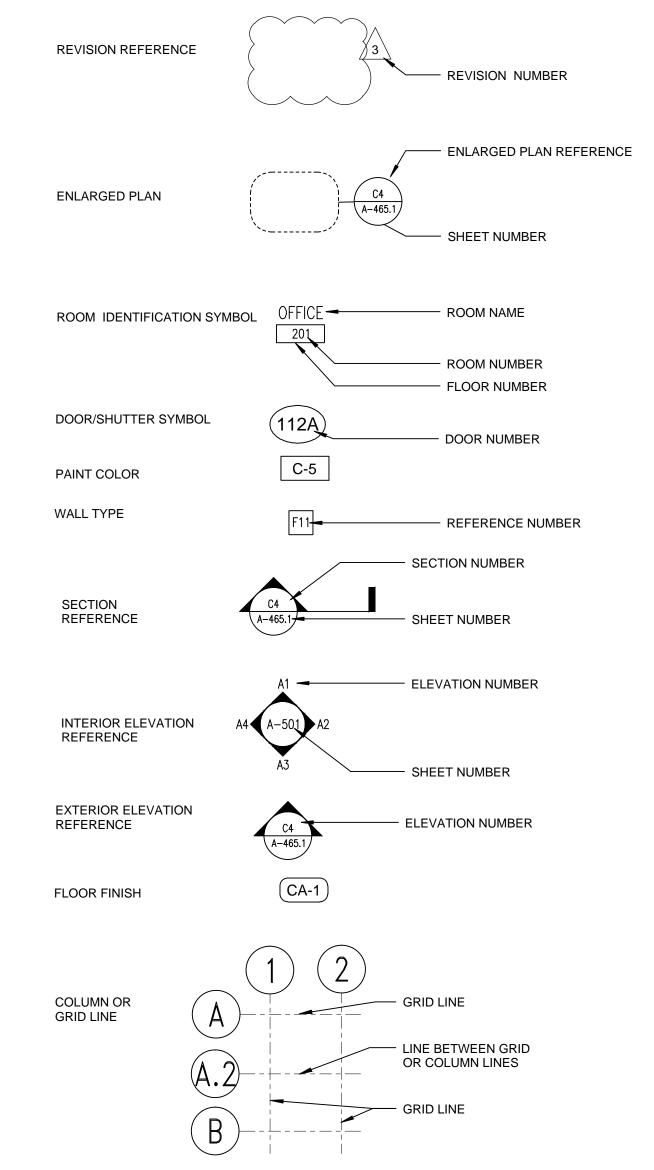
26. CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS AND DIMENSIONS AND REQUIRED CLEARANCES OF ALL EQUIPMENT (REFER TO DRAWINGS, SPECIFICATIONS, AND EQUIPMENT MANUALS & CUT SHEETS). 27. ALL SYMBOLS, ABBREVIATIONS, AND NOTES MARKED "TYPICAL" OR "TYP." SHALL APPLY IN ALL SIMILAR CIRCUMSTANCES, UNLESS NOTED OTHERWISE.

28. EXISTING SPRINKLER SYSTEM TO REMAIN. THE SPRINKLER CONTRACTOR SHALL CONFIRM ANY MODIFICATIONS REQUIRED BY THE CITY TO MEET THE LOCAL FIRE DEPARTMENT REQUIREMENTS.

29. CONTRACTOR SHALL VERIFY THAT THE EXISTING PLUMBING FIXTURES AND TOILET ACCESSORIES MEET THE REQUIREMENTS OF THE APPLICABLE ACCESSIBILITY CODES AND NOTIFY BEST BUY OF ANY CHANGES THAT ARE NEEDED FOR COMPLIANCE.

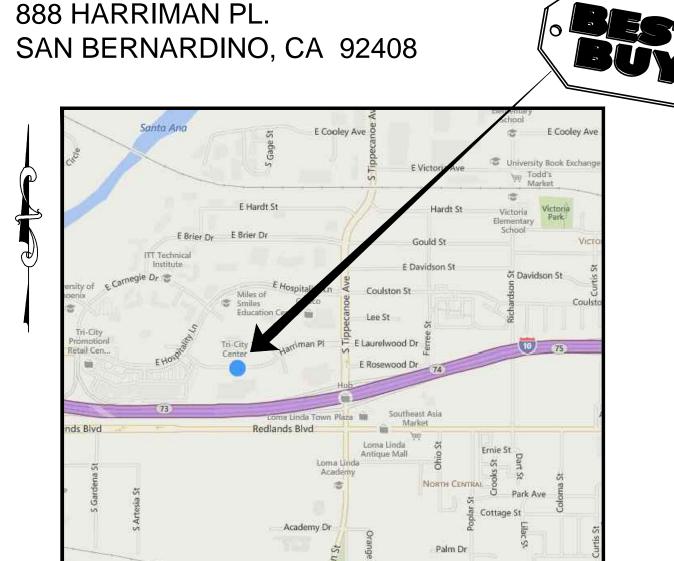
REVISIONS

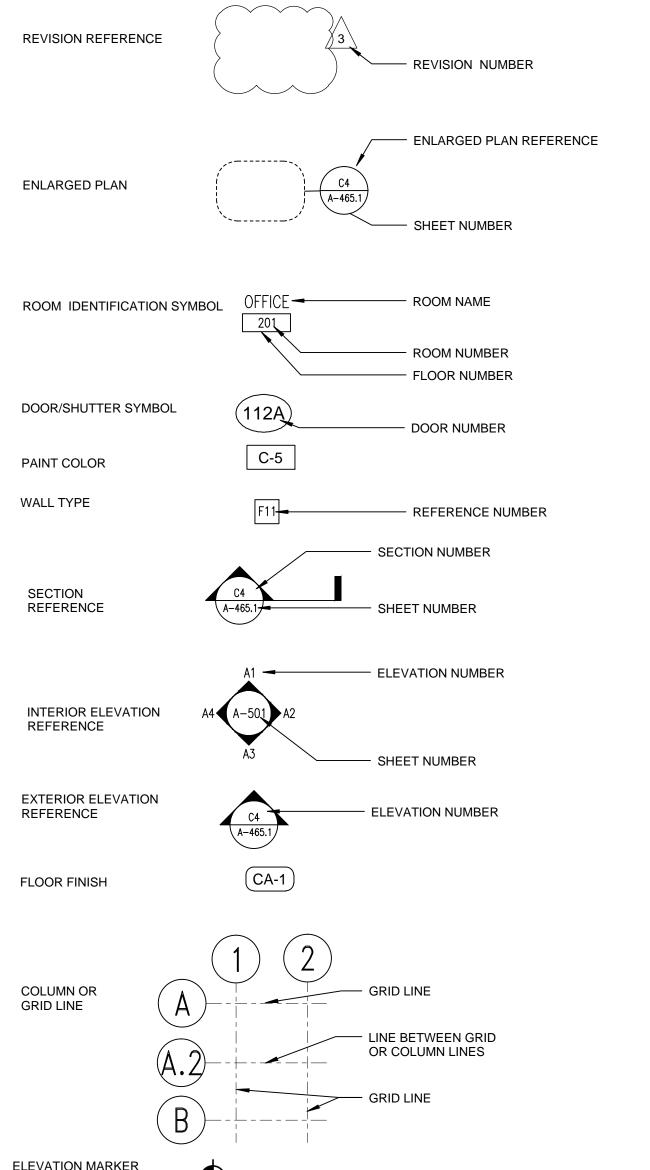
SYMBOLS



VICINITY MAP

OR WORK/CONTROL





SHEET INDEX ARCHITECTURAL CS1.0 COVER SHEET SA1.0 EXISTING SITE ACCESSIBILITY D1.0 DEMOLITION PLAN FLOOR PLAN & LIFE SAFETY PLAN FINISH PLAN & SCHEDULES A8.0 RESTROOMS, ACCESSIBILITY & DETAILS RESTROOM ELEVATIONS & DETAILS A12.0 PAC SALES ENLARGED FLOOR PLAN A12.1 PAC SALES FINISH FLOOR PLAN A12.2 PAC SALES REFLECTED CEILING PLAN FIXTURE PLANS F-1 FIXTURE PLAN FIXTURE SIGN PLAN FIXTURE EXTENSION PLAN AND DETAILS FIXTURE EXTENSION DETAILS BEST PAC SALES CABINET PLAN **MECHANICAL** M1.0 HVAC PARTIAL FLOOR PLAN **PLUMBING** P2.0 ENLARGED PLUMBING PLANS AND DETAILS **ELECTRICAL** ELECTRICAL LIGHTING PLAN E1.0 ELECTRICAL LIGHTING PLAN APPLE PAD 4 TABLE ENLARGED APPLE MOBILITY PAD ENLARGED POWER PLAN ENLARGED PAC SALES PLAN PANELBOARD SCHEDULES AND RISERS PANELBOARD SCHEDULES AND RISERS ELECTRICAL DETAILS

T-24 FORMS

ELC1 ELECTRICAL LIGHTING CONTROL

REVISION NUMBER

SQ. FT. CALCS 47,958 SF 1,790 SF

7,635 SF

1,148 SF 45K C3-2

CONCEPT DATE: 04/21/2014 G.O. -21 FIXTURE REL XX.XX.10

XX.XX.10 ROTOTYPE DATE: 02/12/2014

STORE NUMBER:

.O. -13 FINAL REL

PERMIT SET 12/12/2014

COVER SHEET

DOORS, FRAMES, AND HARDWARE

MECHANICAL, PLUMBING & ELECTRICAL

ANY MODIFICATION TO SPRINKLER SYSTEM OR FIRE ALARM IS THE

RESPONSIBILITY OF THE GENERAL CONTRACTOR UNDER A SEPARATE PERMIT

AUTHORITY HAVING JURISDICTION

BEST BUY CO. CONTACTS

CITY OF SAN BERNARDINO

SAN BERNARDINO, CA 92418

DEVELOPMENT MANAGER:

CONSTRUCTION MANAGER: CONTACT: DAVID DENEUI

ARCHITECT

DARYL L. BRAY, ARCHITECT

SGA DESIGN GROUP

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TULSA, OK 74119

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HAL STAPLES

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1437 S. BOULDER AVENUE, SUITE 550

EMAIL: hals@sgadesigngroup.com

ARCHITECT PROJECT #1442009

DUNHAM ASSOCIATES OF MINNESOTA, INC.

50 SOUTH SIXTH STREET, SUITE 1100

FIRE PROTECTION

MINNEAPOLIS, MN 55402-1540

EMAIL: troy.rolph@dunhameng.com

PHONE: (612) 465-7550

TROY ROLPH

RACKING

CIVIL

STRUCTURAL

E-MAIL: timothy.palmquist@bestbuy.com

CONTACT: TIM PALMQUIST

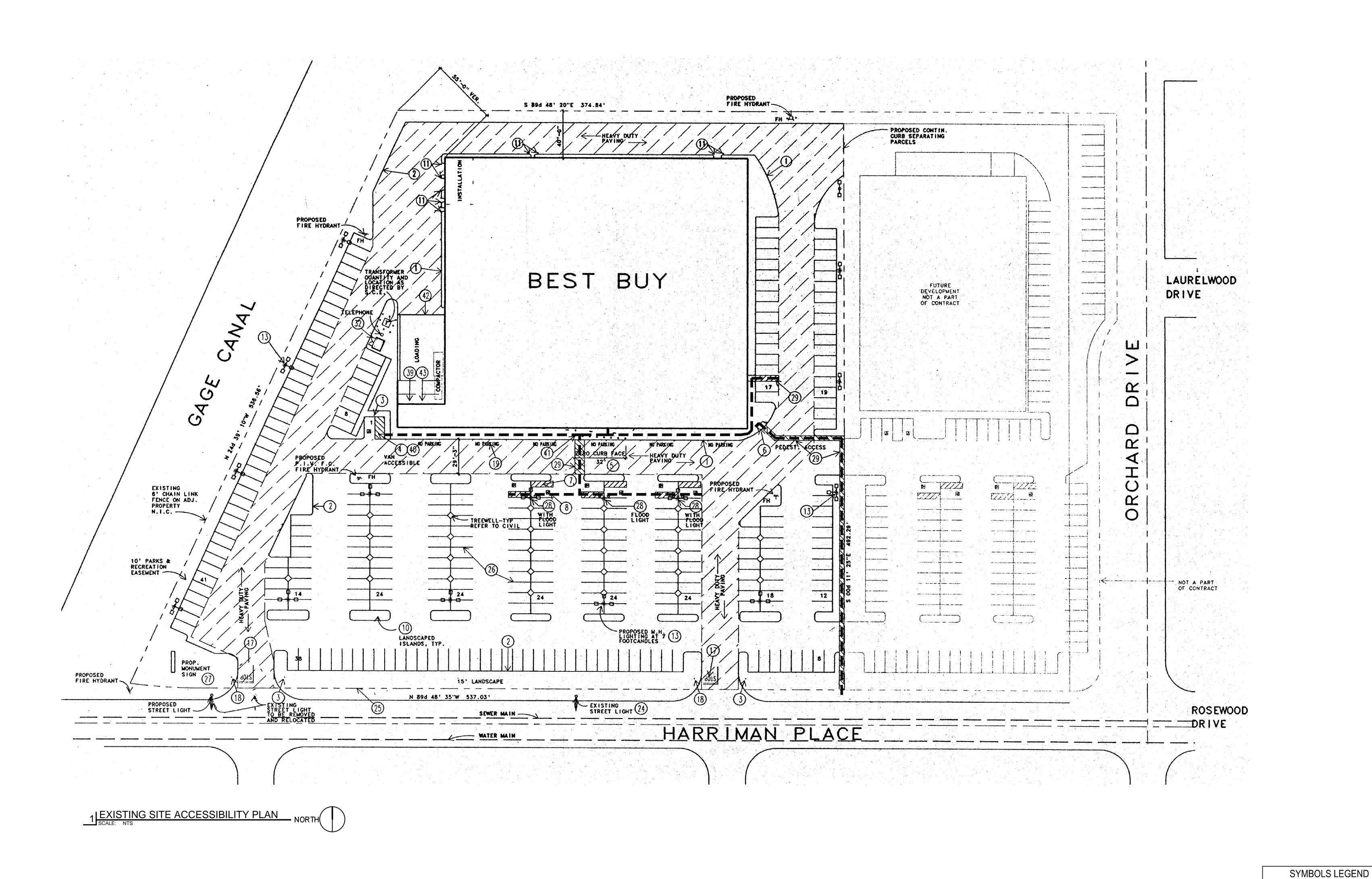
300 NORTH D STREET

PHONE: (909) 384-5071

TWIN CITY HARDWARE 723 HADLEY AVENUE, NORTH OAKDALE, MN 55128 PHONE: (651) 731-7132 FAX: (651) 735-1800

CONTACT: **BOB HAEN** TIM MCDONALD

BHAEN@TCHCO.COM TMCDONALD@TCHCO.COM



SQ. FT. CALCS

RETAIL:

477,958 SF

OSI. FT. CALCS

RETAIL:

1,790 SF

STEAMWAY

CONTREME

1,790 SF

STEAMS

CONTREME

1,790 SF

STEAMS

CONTREME

1,790 SF

STEAMS

CONTREME

1,790 SF

STEAMS

CONTREME

1,143 SF

1,143 SF

CONCEPT:

45K C3-2

CONCEPT DATE:

50K DATE:

G.O. -13 FINAL REL.

XX.XX.10

PROTOTYPE DATE:

02/12/2014

STORE NUMBER: 0150

san Bernardino, CA 888 Harriman PI.

PERMIT SET 12/12/2014

SYMBOLS LEGEND

EXISTING ACCESSIBLE PATH OF TRAVEL TO PUBLIC WAY AND ACCESSIBLE PARKING

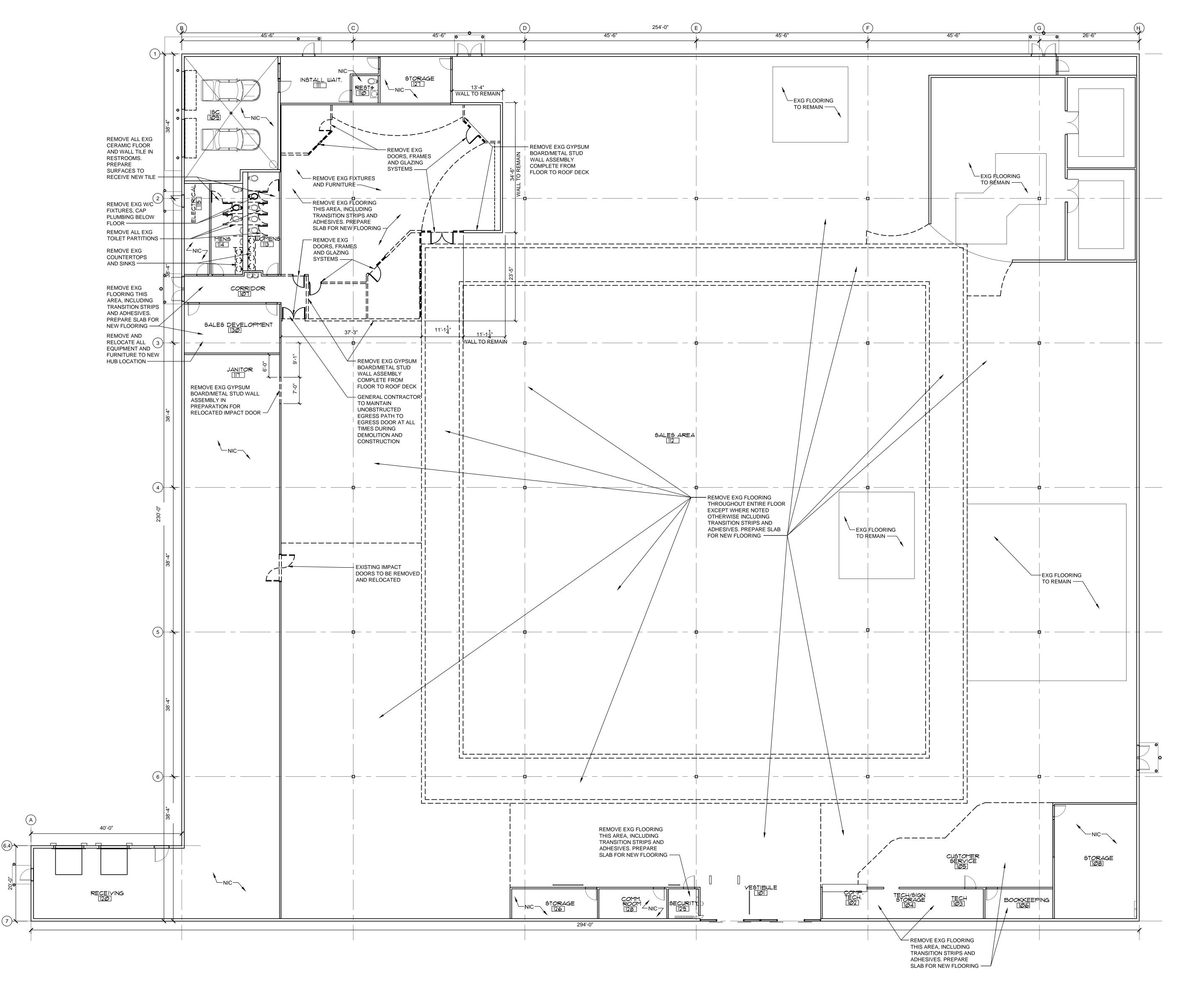
ON BEST BUY PROPERTY

NOTES

- 1. THIS DRAWING IS FOR ARCHITECTURAL REFERENCE ONLY AND IS BASED ON THE ORIGINAL ARCHITECTURAL SITE PLAN BY MCG ARCHITECTS ISSUED JANUARY 31, 1995. THE SCOPE OF WORK OF THIS REMODEL IS LIMITED TO THE INTERIOR OF THE BUILDING
- 2. BEST BUY IS RESPONSIBLE TO PERFORM THE WORK INDENTIFIED IN THE REPORT BY CASPER DEVELOPMENT RESOURCES DATED 11/20/13 TO BRING EXISTING ACCESSIBLE BARRIERS INTO COMPLIANCE WITH ACCESSIBILITY SECTIONS OF THE 2013 CALIFORNIA BUILDING CODE AS DIRECTED BY THE RECENT RULING IN THE SUPERIOR COURT OF CALIFORNIA, LOS ANGELES COUNTY, CASE NO. BC500872. BEST BUY IS COORDINATING WITH THE BUILDING OWNER TO ADDRESS EXTERIOR SITE RELATED WORK. OWNER IS RESPONSIBLE FOR ANY EXTERIOR UPGRADES AND ANY SUCH WORK WILL BE SUBMITTED BY OWNER FOR REVIEW AND COMPLETED UNDER A SEPARATE PERMIT. THESE DOCUMENTS REFERENCE ONLY REQUIRED INTERIOR WORK TO BRING THE SPACE INTO COMPLIANCE.

EXISTING SITE ACCESSIBILITY

SA10



1 DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

DEMOLITION NOTES

- 1. SEE MECHANICAL SHEETS FOR COMPLETE MECHANICAL DEMOLITION SCOPE.
- 2. SEE ELECTRICAL SHEETS FOR COMPLETE ELECTRICAL DEMOLITION SCOPE.
- 3. EXISTING INTERIOR/EXTERIOR DOORS TO REMAIN. CLEAN AND REPAIR AS REQ'D TO LIKE NEW CONDITION (U.N.O.)
- 4. EXISTING LAY-IN CEILING GRID TO REMAIN. REPAIR/REPLACE ANY DAMAGED ACT AS REQUIRED.
- 5. FIXTURE SPECIALIST UNDER CONTRACT TO GC. FIXTURE SPECIALIST TO COORDINATE WITH
- BEST BUY TO SPECIFY THE REPLACEMENT OR RELOCATION OF EXISTING FIXTURES.
- 6. G.C. TO COORDINATE DEMO AND NEW WORK VIA A "PHASING PLAN" DEVELOPED BY G.C. AND COORDINATED WITH & APPROVED BY BEST BUY. THE PHASING PLAN WILL PROVIDE FOR MINIMAL INTERRUPTION OF BEST BUY'S EXISTING OPERATIONS AND PROVIDE BARRIERS AT EACH PHASE AREA TO RESTRICT PUBLIC ACCESS, MINIMIZE DUST (VIA VISQUEEN BARRIERS) WHILE ALLOWING ALL EXITS AND/OR PUBLIC RESTROOMS TO REMAIN ACCESSIBLE.
- TRASH OR DEBRIS TO BE STORED ON SITE TO PREPARE FOR RECYCLING. SITE TO BE KEPT CLEAN OF ALL DEBRIS, AND DEBRIS TO BE SECURED DURING INCLEMENT WEATHER. ALL CONSTRUCTION WASTE TO GO THROUGH APPROPRIATE RECYCLING PROGRAMS. SEE SPEC SECTION 01 7419.
- THESE DRAWINGS DO NOT CONTAIN ANY INFORMATION REGARDING CONSTRUCTION SAFETY OR BRACING AND SHORING DURING DEMOLITION AND CONSTRUCTION. G.C. SHALL DESIGN, ENGINEER, AND PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO SUPPORT EXISTING BUILDING, STRUCTURE, AND ELEMENTS SHOWN TO REMAIN. G.C. SHALL PROVIDE SIGNED AND SEALED SHORING DRAWINGS TO AUTHORITY HAVING JURISDICTION, AS REQUIRED.
- 9. REMOVE FLOOR RECEPTACLES IN LVT AREA & FILL TO CREATE FLUSH SURFACE.
- 10. CONTRACTOR SHALL SAVE ENOUGH EXISTING FLOOR IN PAC SALES AREAS FOR USE IN PATCHING WITH NEW FLOORING. COORDINATE WITH BEST BUY CONSTRUCTION MANAGER.

SQ. FT. CALCS

1,790 SF

45K C3-2

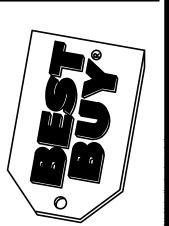
CONCEPT DATE: 04/21/2014

G.O. -21 FIXTURE REL.

XX.XX.10 3.O. -13 FINAL REL.

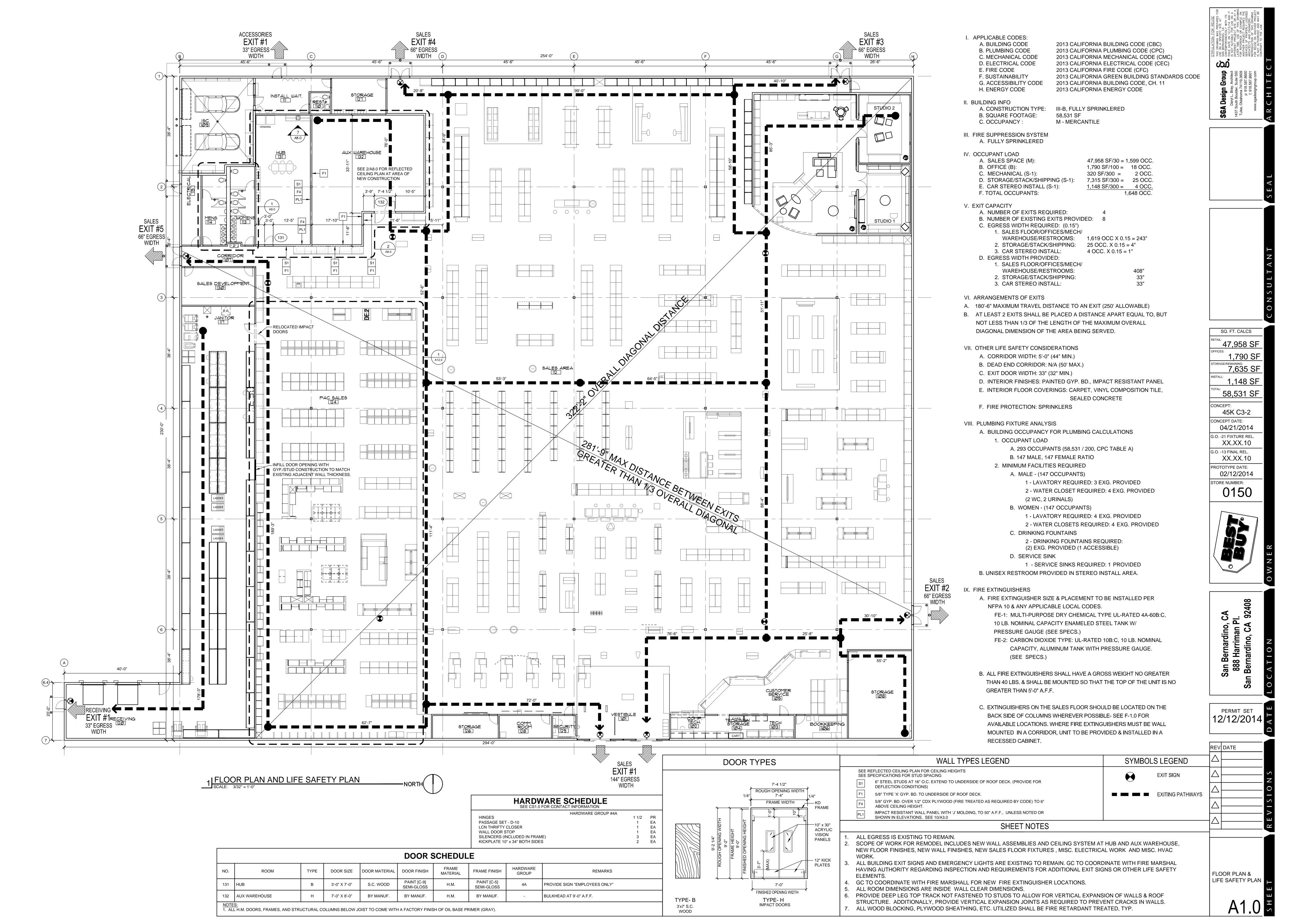
XX.XX.10 PROTOTYPE DATE: 02/12/2014

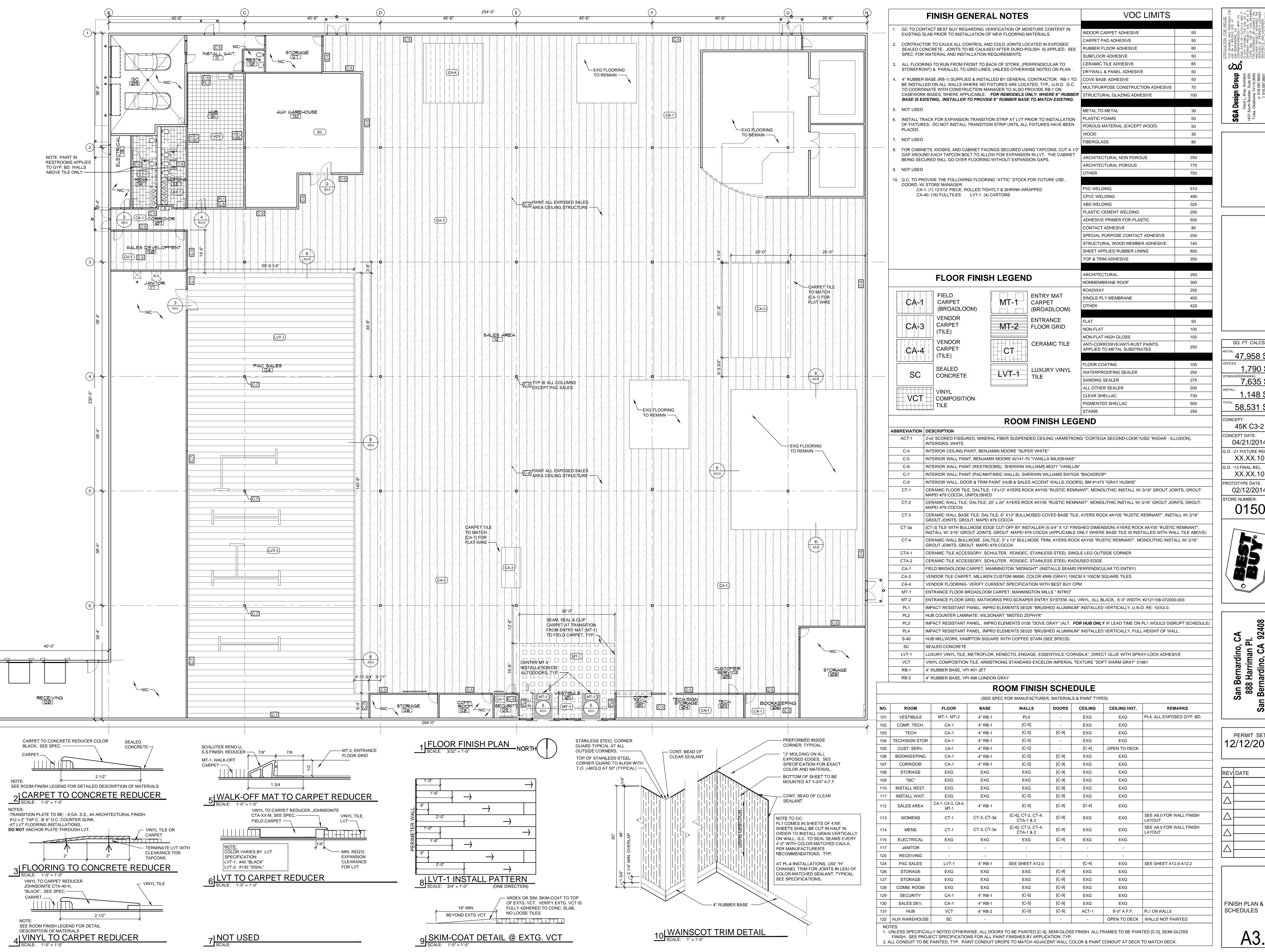
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PERMIT SET

DEMOLITION PLAN





SQ. FT. CALCS 47,958 SF 1,790 SF 7,635 SF

1,148 SF

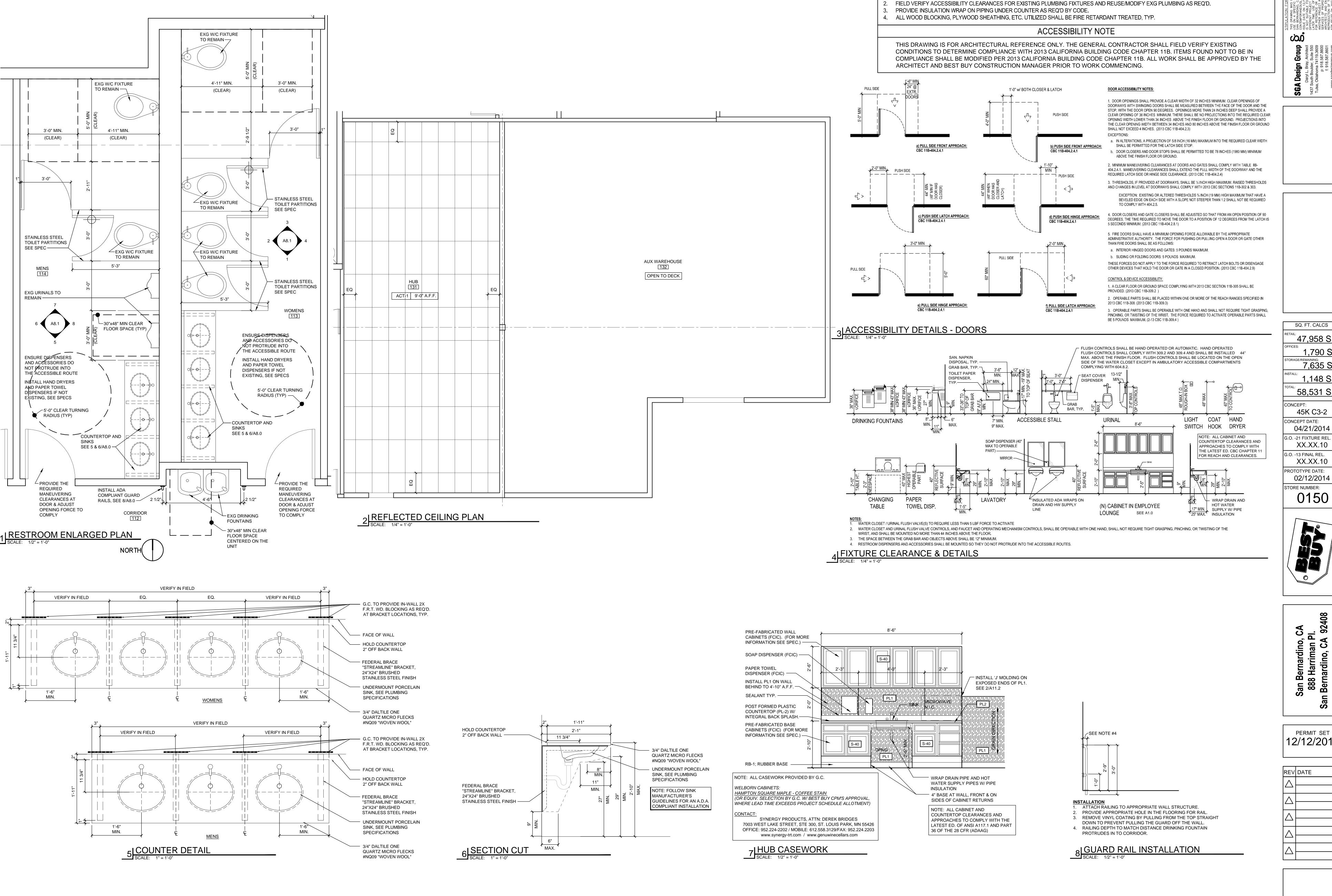
CONCEPT DATE: 04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

XX.XX.10 ROTOTYPE DATE: 02/12/2014

PERMIT SET

12/12/2014

FINISH PLAN & SCHEDULES



SHEET NOTES

ALL ITEMS IN RESTROOMS ARE EXG UNLESS NOTED OTHERWISE.

47,958 SF

1,790 SF

7,635 SF

1,148 SF

45K C3-2

XX.XX.10

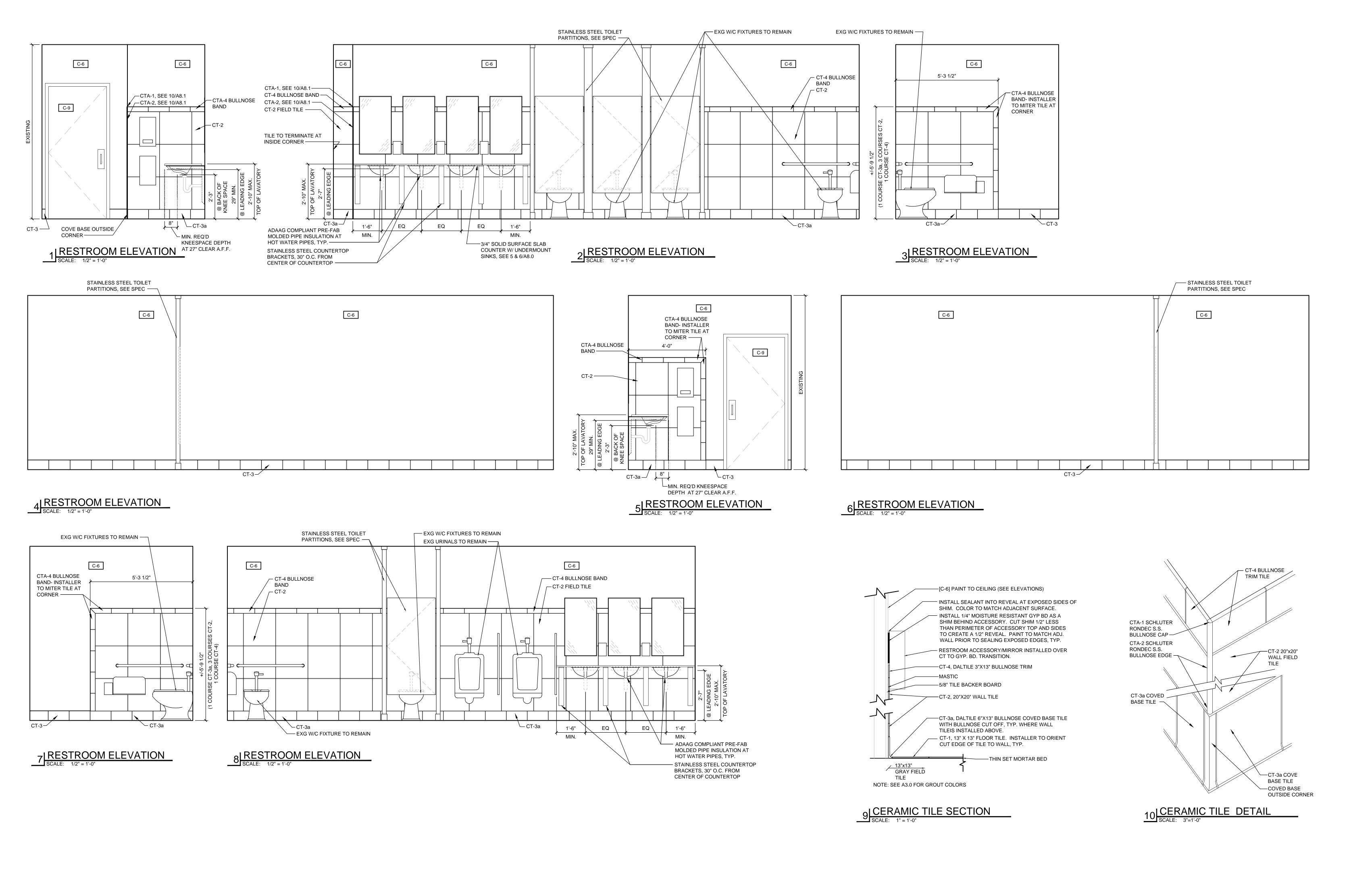
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PERMIT SET 12/12/2014

DETAILS

ACCESSIBILITY &

RESTROOMS,



SQ. FT. CALCS

47,958 SF

1,790 SF

7,635 SF

1,148 SF

58,531 SF

45K C3-2

04/21/2014

XX.XX.10

G.O. -21 FIXTURE REL.

G.O. -13 FINAL REL. XX.XX.10

PROTOTYPE DATE:

STORE NUMBER:

02/12/2014

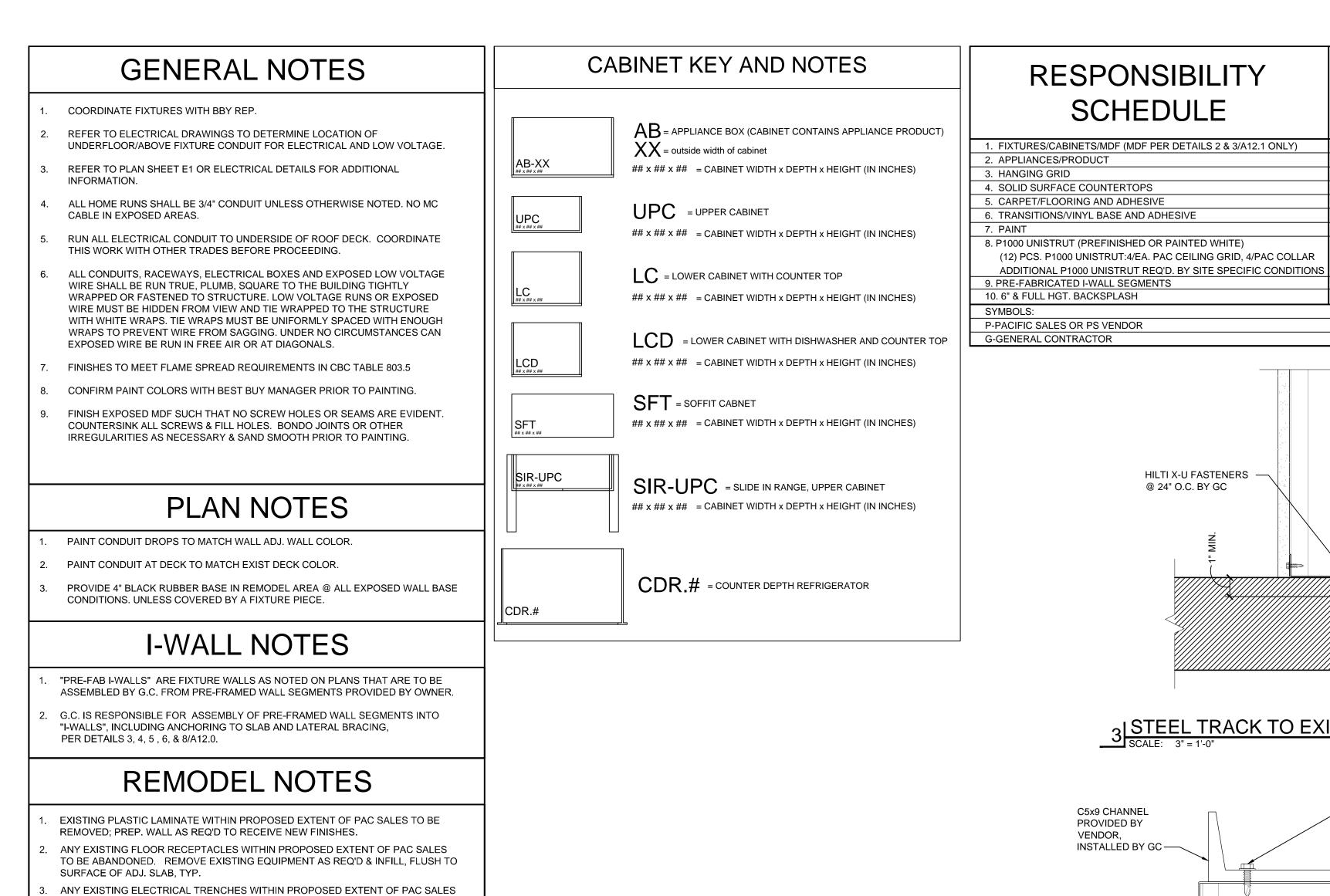
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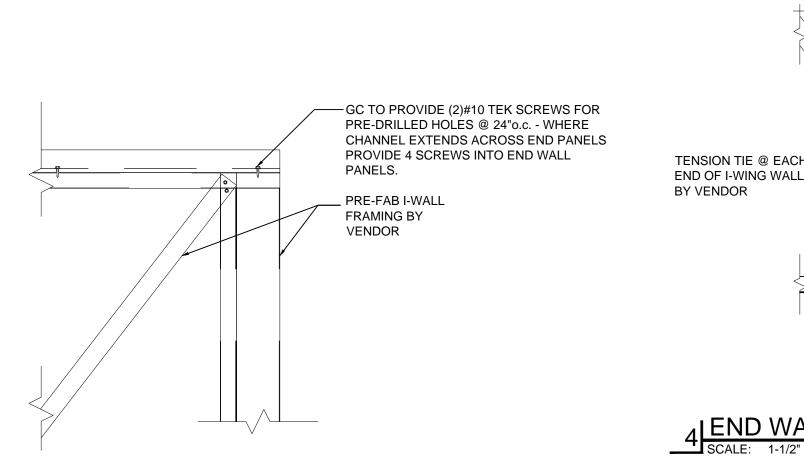
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PERMIT SET 12/12/2014

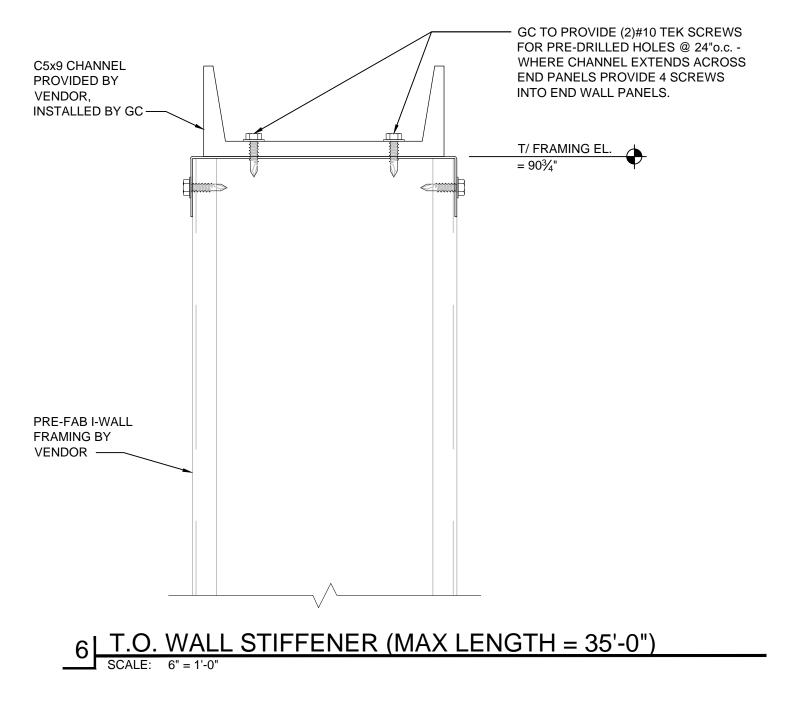
REV DATE

RESTROOM ELEVATIONS & DETAILS





PRE-FAB I-WALL FRAMING BY VENDOR TENSION TIE @ EACH — END OF I-WING WALL EXISTING CONC FLOOR SLAB ½" DIAMETER – HILTI KWIK **BOLT BY GC** 4 END WALL FRAME ANCHORAGE



3 STEEL TRACK TO EXIST. SLAB CONNECTION

-PRE-FAB I-WALL

FRAMING BY

VENDOR

RESPONSIBILITY

SCHEDULE

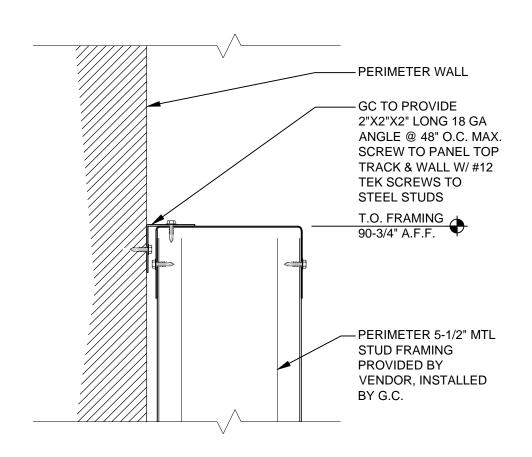
HILTI X-U FASTENERS

@ 24" O.C. BY GC

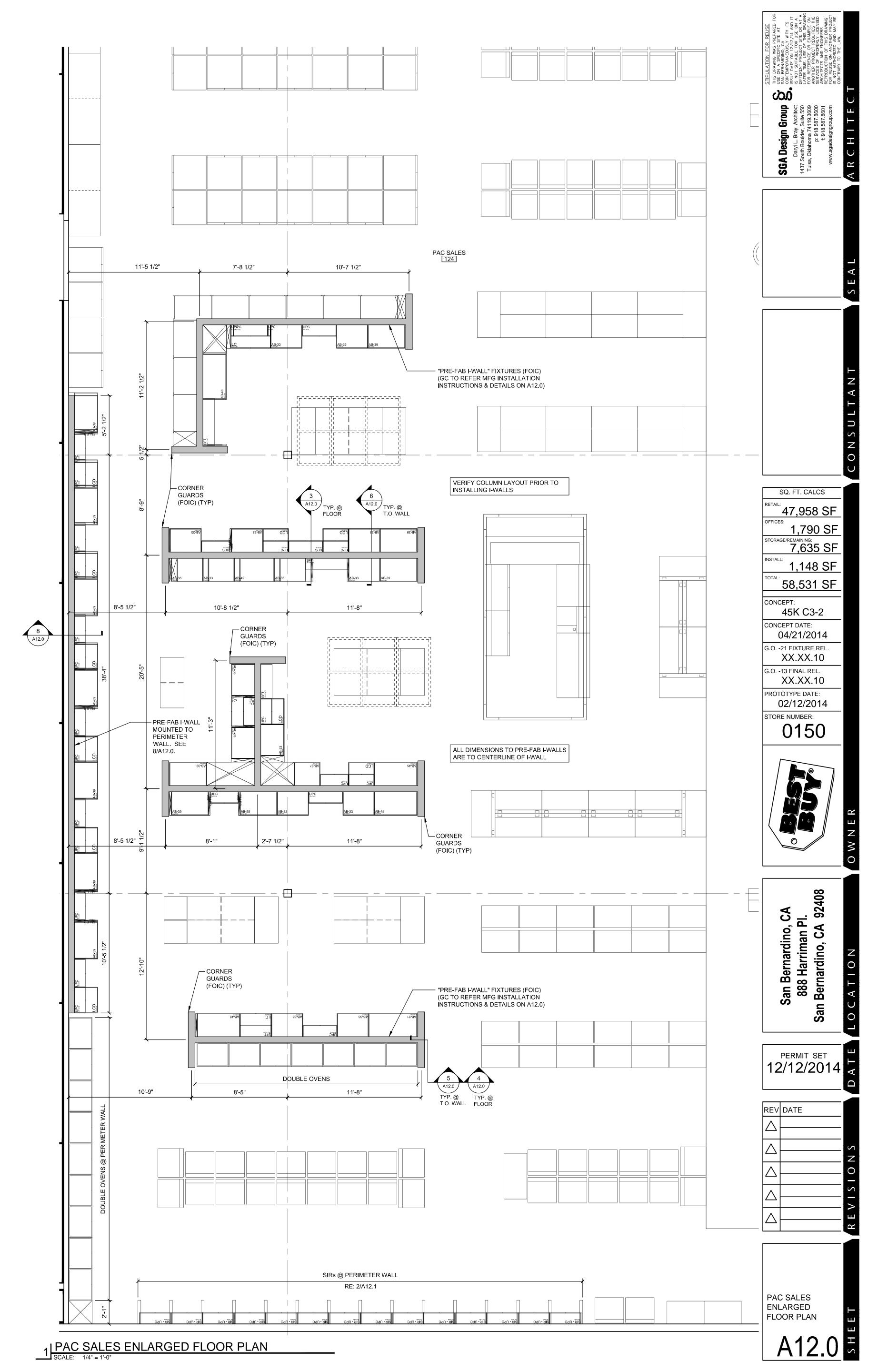
5 CENTER WALL TO END WALLS

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

TO BE ABANDONED.



8 PRE-FAB I-WALL CONNECTION TO PERIMETER WALLS
SCALE: 3" = 1'-0"



GENERAL NOTES

- 1. COORDINATE FIXTURES WITH BBY REP.
- 2. REFER TO ELECTRICAL DRAWINGS TO DETERMINE LOCATION OF UNDERFLOOR/ABOVE FIXTURE CONDUIT FOR ELECTRICAL AND LOW
- 3. REFER TO PLAN SHEET E1 OR ELECTRICAL DETAILS FOR ADDITIONAL
- 4. ALL HOME RUNS SHALL BE 3/4" CONDUIT UNLESS OTHERWISE NOTED. NO MC CABLE IN EXPOSED AREAS.
- RUN ALL ELECTRICAL CONDUIT TO UNDERSIDE OF ROOF DECK.
 COORDINATE THIS WORK WITH OTHER TRADES BEFORE PROCEEDING.
- 6. ALL CONDUITS, RACEWAYS, ELECTRICAL BOXES AND EXPOSED LOW VOLTAGE WIRE SHALL BE RUN TRUE, PLUMB, SQUARE TO THE BUILDING TIGHTLY WRAPPED OR FASTENED TO STRUCTURE. LOW VOLTAGE RUNS OR EXPOSED WIRE MUST BE HIDDEN FROM VIEW AND TIE WRAPPED TO THE STRUCTURE WITH WHITE WRAPS. TIE WRAPS MUST BE UNIFORMLY SPACED WITH ENOUGH WRAPS TO PREVENT WIRE FROM SAGGING. UNDER NO CIRCUMSTANCES CAN EXPOSED WIRE BE RUN IN FREE AIR OR AT DIAGONALS.
- 7. FINISHES TO MEET FLAME SPREAD REQUIREMENTS IN CBC TABLE 803.5
- 8. ALL MDF PRE-INSTALLED BY VENDOR, EXCEPT AS INDICATED IN DETAILS 2 & 3.
- 9. AT G.C. PROVIDED MDF (DETAILS 2 & 3), FINISH ALL EXPOSED MDF SUCH THAT NO SCREW HOLES OR SEAMS ARE EVIDENT. COUNTERSINK ALL SCREWS & FILL HOLES. BONDO JOINTS OR OTHER IRREGULARITIES AS NECESSARY & SAND SMOOTH PRIOR TO PAINTING.
- 10. BACKSPLASH LOCATIONS ARE PRE-PAINTED. G.C. IS RESPONSIBLE FOR REPAIR OF PROTRUDING SCREW HEADS, BONDO & TOUCH-UP AS REQ'D. FOR AN UNBLEMISHED FINISH. TOUCH-UP PAINT IS PROVIDED BY OWNER.
- 1. COUNTERTOPS AT PAINTED BACKSPLASHES TO HAVE A 6" SOLID SURFACE BACKSPLASH, PROVIDED BY OWNER & INSTALLED BY G.C.

PLAN NOTES

- 1. PAINT CONDUIT DROPS TO MATCH ADJACENT WALL COLOR.
- PAINT CONDUIT AT DECK TO MATCH EXIST DECK COLOR.
- FOR STORE REMODELS, PROVIDE 4" BLACK RUBBER BASE IN REMODEL AREA @ ALL EXPOSED WALL BASE CONDITIONS, UNLESS COVERED BY A FIXTURE PIECE.

I-WALL NOTES

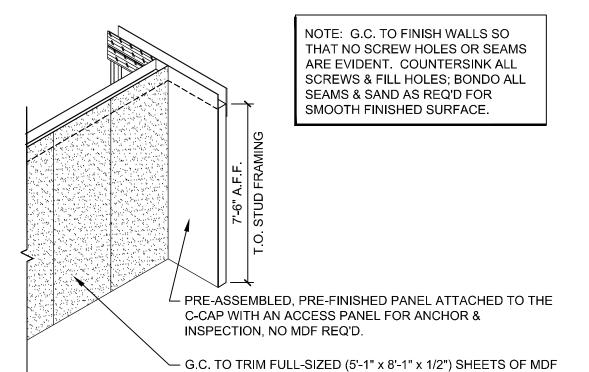
- 1. "PRE-FAB I-WALLS" ARE FIXTURE WALLS AS NOTED ON PLANS THAT ARE TO BE ASSEMBLED BY G.C. FROM PRE-FRAMED WALL SEGMENTS PROVIDED BY OWNER.
- 2. G.C. IS RESPONSIBLE FOR ASSEMBLY OF PRE-FRAMED WALL SEGMENTS INTO "I-WALLS", INCLUDING ANCHORING TO SLAB AND LATERAL BRACING, PER DETAILS 3, 4, 5 & 6/A12.0.

WALL FINISH LEGEND

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ARRDI	=\/		_	ES	:CP	IDT	ION	

ABBKEV	DESCRIPTION	ON
COLOR	(C-7) (C-51) (C-53) (C-54) (C-57) NOTE: ALL	SW7025 "BACKDROP" (PERIMETER WALLS & SOFFITS SW6179 "ARTICHOKE" SW6381 "ANJOU PEAR" SW2849 "WESTCHESTER GRAY" SW6142 "MACADAMIA" - PAC SALES PAINT TO BE EGGSHELL FINISH, U.N.O.

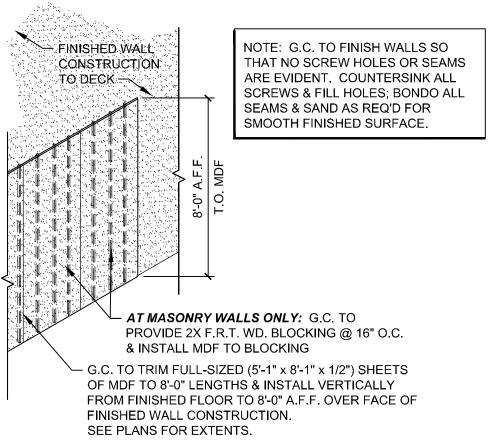
4" RUBBER BASE, VPI #01 JET



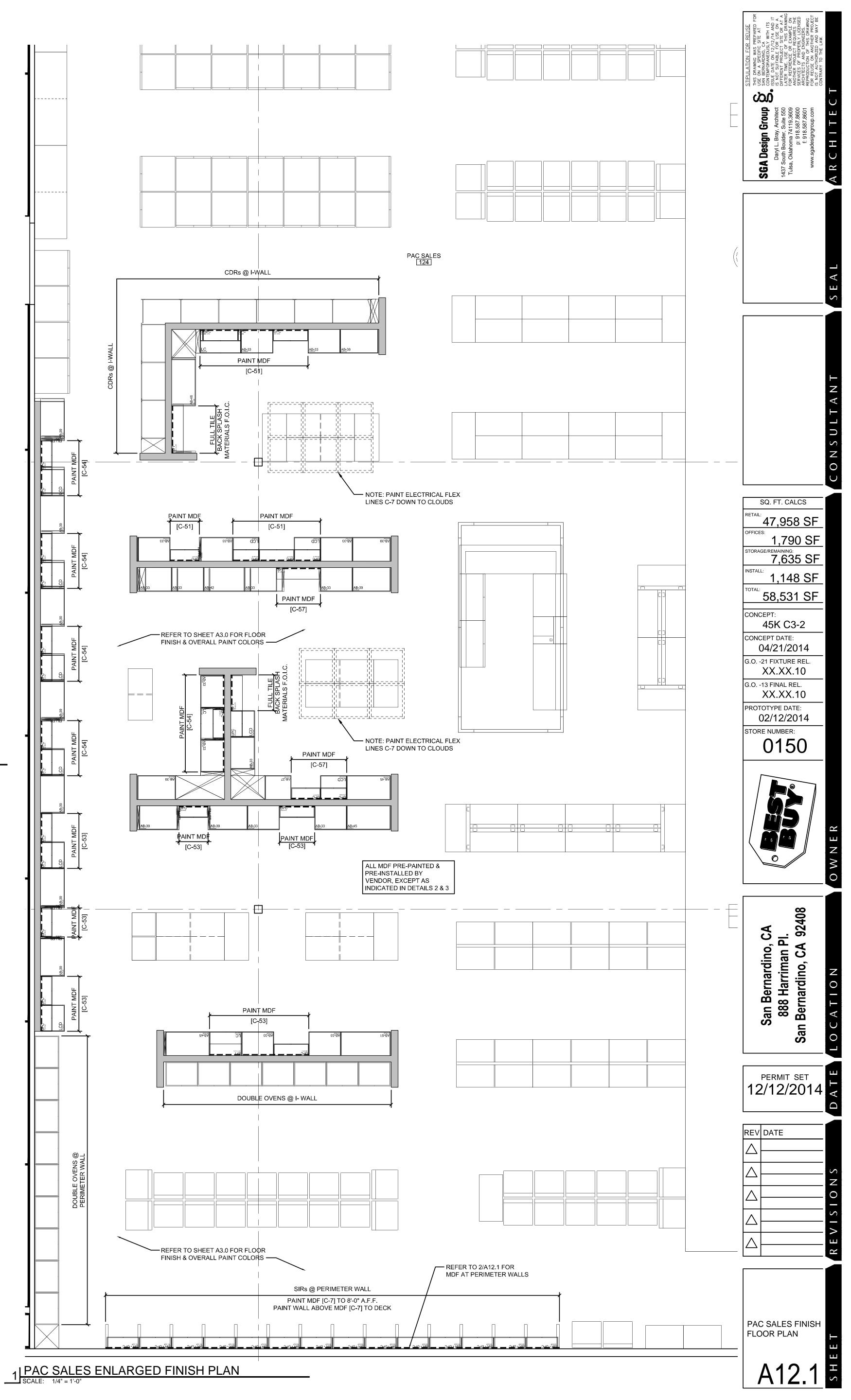
TO 8'-0" LENGTHS & INSTALL VERTICALLY FROM FINISHED FLOOR TO 8'-0" A.F.F. ALONG FACING LENGTH OF I-WALL &

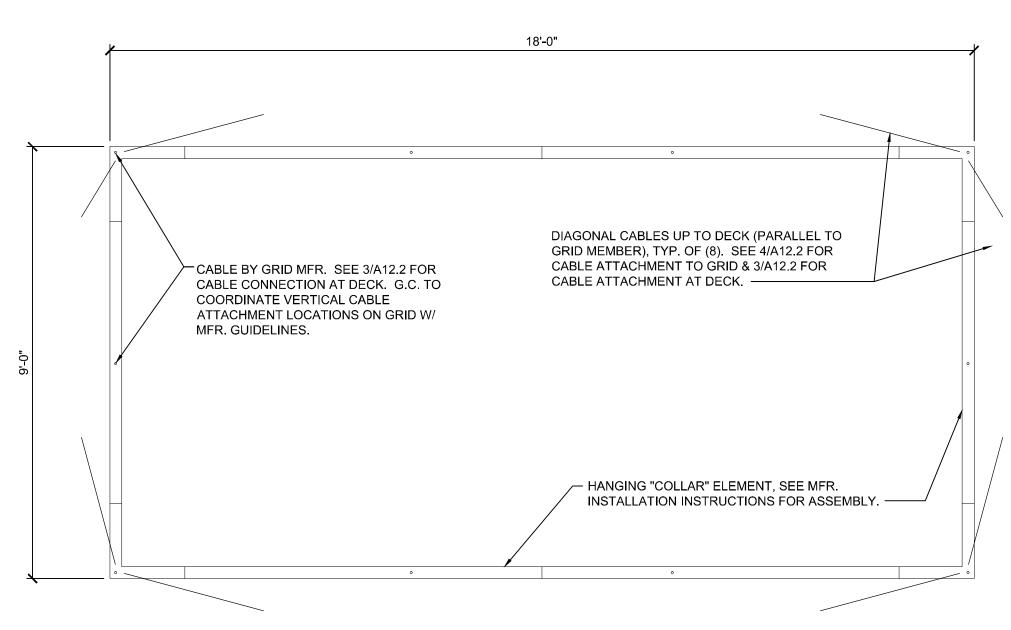
INSIDE-FACE OF END-WALLS, OR AS INDICATED ON PLANS.

3 SIRs @ I-WALLS/ HIGH OR LOW BAY GONDOLAS @ I-WALLS

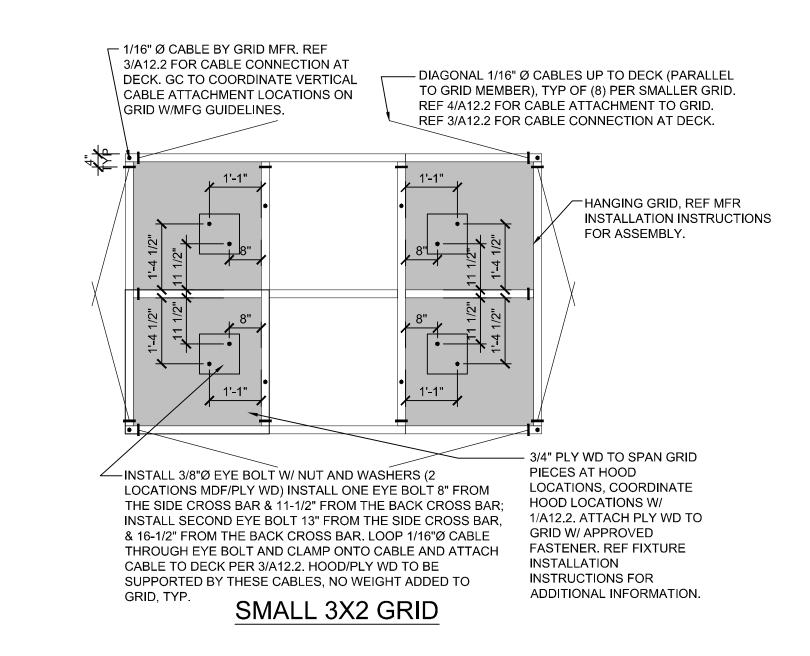


2 SIRs &/OR FREESTANDING OVENS @ PERIMETER WALLS

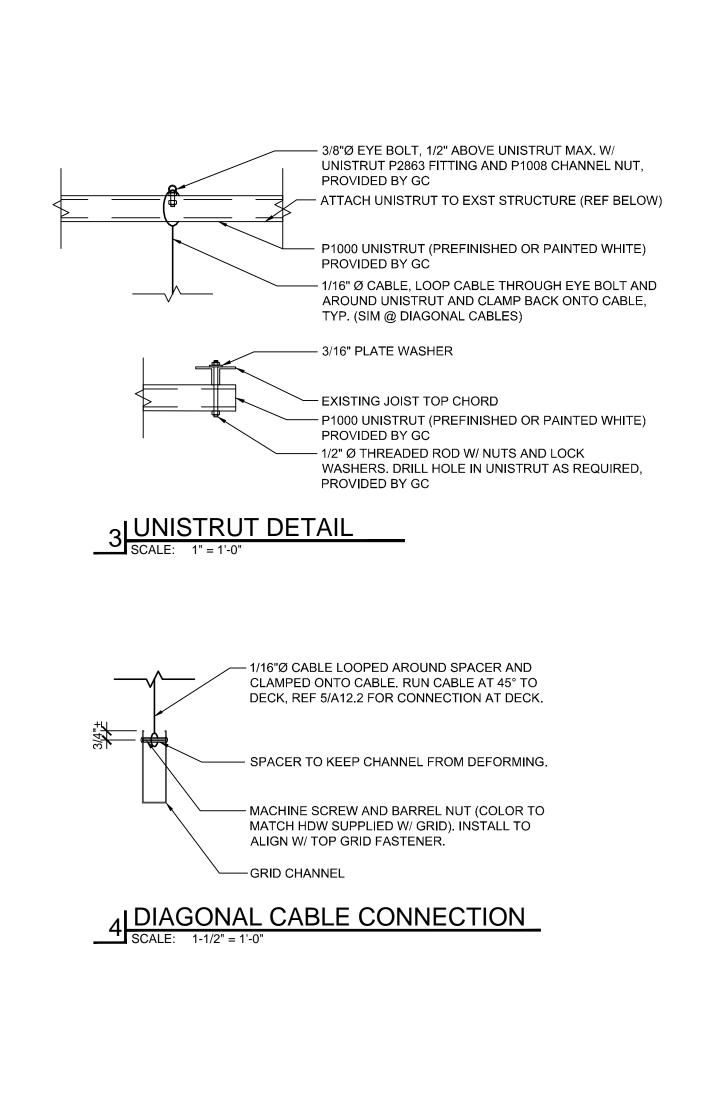


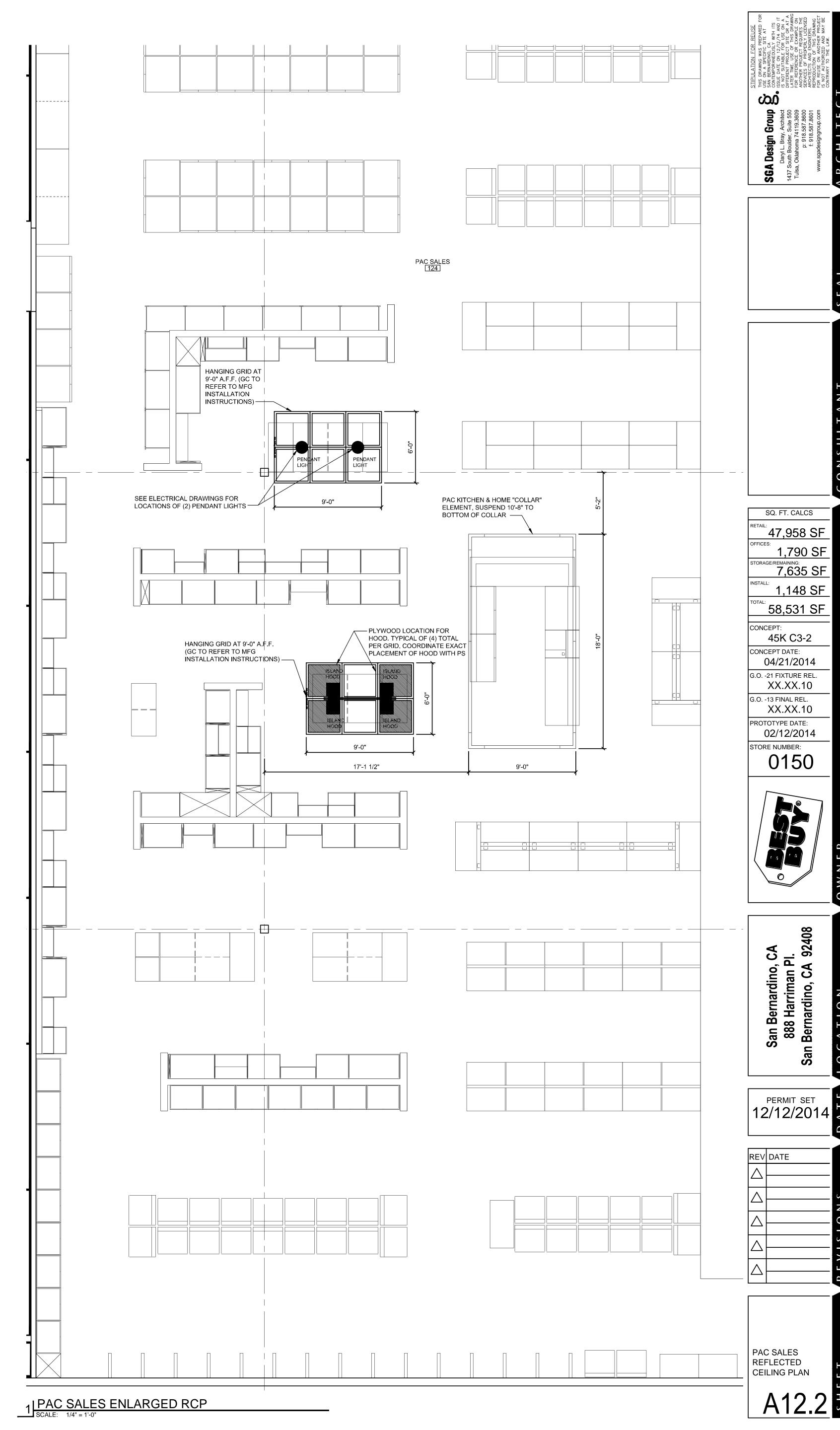


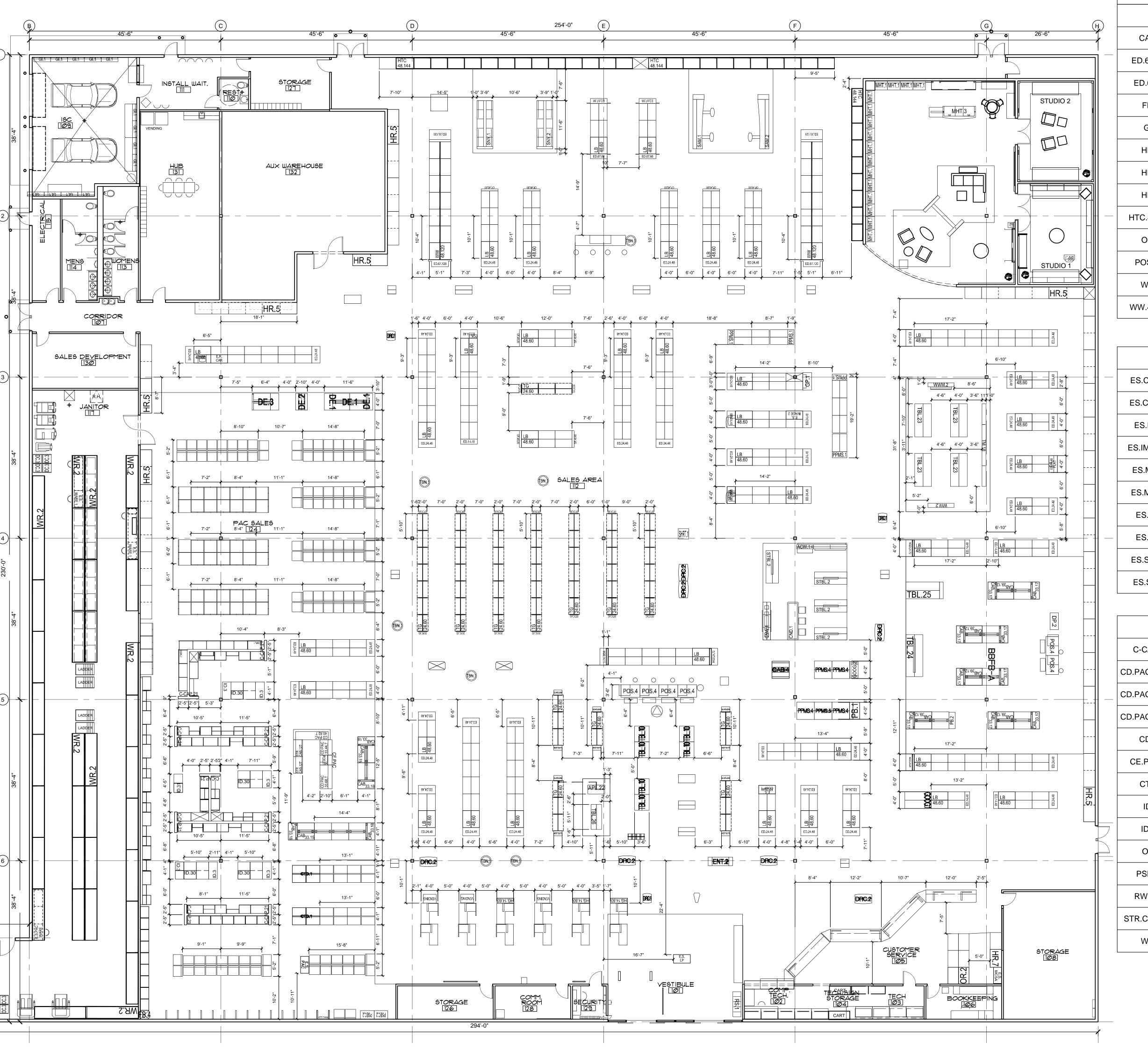
18X9 COLLAR



2 GRID DETAIL







	GENERAL NOTES ELVING AND STANDARDS BELOW ARE TO BE INSTALLED BY OTHERS. COTORS TO PROVIDE BLOCKING FOR ALL STANDARDS. NSIONS ARE MEASURED FROM KICK PLATE TO KICK PLATE.	2. GENERAL CONTRA	VING AND STANDARDS BELOW ARE TO BE INSTALLED BY FIXTURE TORS TO PROVIDE BLOCKING FOR ALL STANDARDS. BIONS ARE MEASURED FROM KICK PLATE TO KICK PLATE.	ONTRACTORS. GENERAL CONTRAC
	FIXTURE LEGEND		FIXTURE LEGEND	
	VENDOR PROVIDED ACCESSORY WALL	ACW.1	SMASH TABLE - COMPUTERS - 4'-4" HIGH X 4'-1" WIDE X 4'-1" DEEP	CAB.4
	APPLE FREESTANDING WALL DISPLAY - 7'-3" HIGH X 4'-0" WIDE X 2'-1" DEEP.	APL.22	END CAP WING WALL - 1'-2" DEEP X 5'-7" WIDE X 10'-0" HIGH ENDCAP. ANCHORED TO	
	ANCHORED TO FLOOR. BLU-RAY PLAYER DISPLAY (VENDOR PROVIDED)	BRP.1	FLOOR END CAP - 1'-2" DEEP X 5'-7" WIDE X 5'-6" HIGH ENDCAP. ANCHORED TO FLOOR	
ISH -	SMASH TABLE - SMALL APPLIANCES - 2'-9" HIGH X 4'-1" WIDE X 4'-1" DEEP (FINISH -	CAB.33.15	FILLER BOX - 12FT HIGH: FINISH: TEAK - TO BE INSTALLED BY FIXTURE CONTRACTOR	
CHED	TEAK) SMASH TABLE - END CAP - 2'-9" HIGH X 4'-1" WIDE X 2'-1" DEEP (FINISH - BLEACHED	CAB.33.17	CAR-FI GRID	
	MAPLE) SMASH TABLE - END CAP - 2'-9" HIGH X 4'-1" WIDE X 2'-1" DEEP (FINISH - TEAK)	CAB.33.18	3x6 (CUSTOM) HALF GONDOLA OVERRACK: 8'-0" HIGH X 4'-0" WIDE X 2'-9" DEEP. W/	LID 2
	SMASH TABLE - BBYM/TABLET - 3'-3" HIGH X 4'-1" WIDE X 4'-1" DEEP (FINISH -	CAB.39.12	VALANCE LIGHTING. ANCHORED TO FLOOR 3x6 (CUSTOM) HALF GONDOLA OVERRACK: 8'-0" HIGH X 8'-0" WIDE X 2'-9" DEEP. W/	
	BLEACHED MAPLE)		VALANCE LIGHTING. ANCHORED TO FLOOR 2x5 (HIGH VOLUME) HALF GONDOLA OVERRACK: 8'-0" HIGH X 4'-0" WIDE X 2'-9" DEEP.	
L	VENDOR DISPLAY: 3'-4" HIGH X 3'-1" WIDE X 9'-0" LONG DESK.	CND.1	W/ VALANCE LIGHTING. ANCHORED TO FLOOR 3x6 (CUSTOM) HALF GONDOLA OVERRACK: 12'-0" HIGH X 4'-0" WIDE X 2'-9" DEEP. NO	
—— [VENDOR DISPLAY: 6'-0" HIGH X 2'-4" WIDE X 12'-0" LONG ACCESSORY WALL.	CNW.1	VALÀNCE LIGHTING. ANCHORED TO FLOOR 2x5 (HIGH VOLUME) FULL GONDOLA OVERRACK: 8'-0" HIGH X 5'-0" WIDE X 4'-0" DEEP	HTC.48.144
	VENDOR PROVIDED DISPLAY (DYSON).	DE.1	W/ VALANCE & LIGHTING. ANCHORED TO FLOOR	UR.2
	VENDOR PROVIDED DISPLAY (DYSON).	DE.2	POS DESK - 33" HIGH X 28" WIDE X 21" DEEP (FINISH - TEAK)	
	VENDOR PROVIDED DISPLAY (DYSON).	DE.3	WAREHOUSE RACKING: 12'-0" HIGH X 12'-0" WIDE X 3'-0" DEEP ANCHORED TO FLOOR	
	RACETRACK CART: 2'-0" WIDE X 2'-4" DEEP	DRC.1	WING WALL GONDOLLA - 2'-4" DEEP X 4'-0" WIDE X 10'-0" HIGH. ANCHORED TO FLOOR	WW.48.120
	RACETRACK CART: 4'-0" WIDE X 2'-4" DEEP	DRC.2		
	STANDARD GONDOLA ENDCAP: 5'-0" HIGH FRAME W/ 14" BASE DECK	ED.14.48	PLOYEE STATION LEGEND	EMF
	STANDARD GONDOLA ENDCAP: 5'-0" HIGH W/ 24" BASE DECK	ED.24.48	2' x 4' BASE CASE, FLAT TOPPER	ES.COMP1
	X	ENT.2	COUNTERTOP WITH FILE CABINETS	ES.COUNT
	T-GONDOLA ENDCAP: 5'-0" HIGH W/ NO BASE DECK	GF.24.60	2' x 4' BASE CASE, FLAT TOPPER	ES.FLAT
	STANDARD GONDOLA ENDCAP: 5'-0" HIGH FRAME ONLY W/ NO BASE DECK	GF.48.60	2' x 4' BASE CASE, FLAT TOPPER	ES.IMAGE 2
	VENDOR PROVIDED DISPLAY	GOOG.1	2' x 4' DESK W/ VARIABLE HEIGHT ADJUSTMENT - MULTI CHANNEL SALES ASSISTANT	ES.MCSA
	VENDOR PROVIDED DISPLAY END CAP: 2'-1" DEEP X 2'-10" HIGH	GOOG.2	2' x 4' BASE CASE, FLAT TOPPER	ES.MEDIA
	HALF GONDOLA: 5'-0" HIGH W/ 14" BASE DECK	HG.14.60	2' x 4' BASE CASE, FLAT TOPPER	ES.MP3
	4860 LOW GONDOLA: 5'-0" HIGH X 4'-0" WIDE X 4'-0" DEEP	LB.48.60	2' x 4' BASE CASE, HIGH BACK TOPPER	ES.PAC
	MONSTER HEADPHONES DISPLAY (VENDOR PROVIDED)	MD.1	COUNTERTOP WITH FILE CABINETS	ES.SALES
	STANDARD MARQUEE ENDCAP: 6'-0" HIGH W/ 24" BASE DECK	MQD.24.72	22" SHELF WITH STAR PC LOCATION	ES.STAR
F	STANDARD MARQUEE ENDCAP: 8'-0" HIGH W/ 24" BASE DECK	MQD.24.96		
\$	T-GONDOLA MARQUEE ENDCAP: 6'-0" HIGH W/ 14" BASE DECK	MQT.24.72	PACIFIC SALES	
	MICROSOFT PINBALL ENDCAP: 6'-11" HIGH X 4'-0" WIDE X 2'-4" DEEP	PB.1	PAC I-WALL CLADDING	C-CAP.21
	MICROSOFT PINBALL ENDCAP: 8'-0" HIGH X 3'-11" WIDE X 1'-6" DEEP	PB.2	PAC CONSULTATION DESK: 33" HIGH X 44" WIDE X 35" DEEP (FINISH - TEAK)	
≣.	SPECIALIZED PRODUCT TABLE. (MIDDLE) 2'-11" HIGH X 4'-2" LONG X 3'-6" WIDE.	PCE.2	PAC CONSULTATION DESK: 33" HIGH X 68" WIDE X 35" DEEP (FINISH - TEAK)	
	CONSULTATION / POS STATION. 2'-6" HIGH X 4'-11" LONG X 3'-6" HIGH.	POS.4	PAC CONSULTATION DESK: 40" HIGH X 105" WIDE X 30" DEEP (FINISH - TEAK)	
	SPECIALIZED PRODUCT TABLE. 5'-3" HIGH X 3'-6" LONG X 1'-6" WIDE.	PPMS.1	COUNTER-DEPTH REFRIGERATORS: 8'-0" HIGH X 3'-3" WIDE X 2'-0" DEEP	
	SPECIALIZED PRODUCT TABLE. 2'-11" HIGH X 4'-2" LONG X 3'-6" WIDE.	PPMS.2	PAC COUNTER EXTENSION: 33" HIGH X 28" WIDE X 14" DEEP (FINISH - TEAK)	
NG X	SPECIALIZED PRODUCT TABLE W/ FINISHED END PANEL. 3'-0" HIGH X 4'-2" LONG X 4'-2" WIDE.	PPMS.5	COOK TOP/DISHWASHER DISPLAY: 3'-11" HIGH X 6'-6" WIDE X 4'-1" DEEP	
	RECYCLING STATION: 2'-8" HIGH X 6'-0" WIDE X 1'-11" DEEP	RS.1	APPLIANCE ISLAND DISPLAY: 3'-11" HIGH X 2'-1" WIDE X 5'-10" DEEP	
	VENDOR PROVIDED DISPLAY - 6'-6" HIGH X 12'-9" LONG X 2'-7" DEEP.	SAM.1		
	VENDOR PROVIDED DISPLAY - 6'-6" HIGH X 12'-9" LONG X 2'-7" DEEP.	SAM.2	APPLIANCE ISLAND DISPLAY: 3'-11" HIGH X 5'-10" WIDE X 2'-1" DEEP	
	VENDOR PROVIDED DISPLAY - 5'-6" HIGH X 11'-6" LONG X 3'-9" DEEP.	SNY.1	BUILT-IN OVEN DISPLAY: 8'-0" HIGH X 2'-9" WIDE X 2'-0" DEEP	
	VENDOR PROVIDED DISPLAY - 5'-6" HIGH X 11'-6" LONG X 3'-9" DEEP.	SNY.2	VENDOR PROVIDED DISPLAY	
	SPECIALIZED PRODUCT TABLE: 4'-7" HIGH X 3'-9" WIDE X 3'-6" DEEP	TBL.10	RANGE WALL DIVIDER 2.0: 3'-0" HIGH X 3'-0" WIDE X 2'-1" DEEP	
L	VENDOR PROVIDED TABLE 2'-10" HIGH X 7'-10 WIDE X 4'-0" DEEP	TBL.10	PAC STORAGE CABINET: 33" HIGH X 48" WIDE X 26" DEEP (FINISH - TEAK)	
	MICROSOFT FEATURE TABLE: 3'-2" HIGH X 10'-0" LONG X 4'-0" WIDE W/ ATTACHED	TBL.23	WAREHOUSE RACKING: 12'-0" HIGH X 12'-0" WIDE X 3'-0" DEEP ANCHORED TO FLOOR	WR.2
	SLAT WALL ENDCAP			
L	MICROSOFT SURFACE TABLE	TBL.25		
	VENDOR PROVIDED TABLE 2'-10" HIGH X 2'-6" WIDE X 5'-11" LONG.	TBL.26		
<u>F</u>	TREASURE BIN DISPLAY	TBN.1		

DIFFE LATEL FOR ANOT SERV ARCH REPR FOR Γ. CALCS <u>,958 SF</u> ,790 SF ,635 SF ,148 SF C3-2
DATE:
21/2014
CTURE REL.
CXX.10
DATE:
AXX.10
DE DATE:
2/2014
MBER:
150

> SCALE: 3/32" = 1'-0" FIXTURE PLAN

VENDOR PROVIDED DISPLAY - 7'-10" HIGH X 4'-7" WIDE X 11" DEEP. ANCHORED TO



GENERAL NOTES

1. ALL SUSPENDED BANNERS, TOPPERS, SIGNS, ETC...
TO BE INSTALLED BY THE FIXTURE CONTRACTOR.
ELECTRICAL CONTRACTOR TO MAKE FINAL POWER
CONNECTIONS.

2.REFER TO PLAN SHEET E-1 OR ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.

3. ALL HANGING ITEMS SUSPENDED FROM CEILING TO BE HUNG IN FLUTE OF THE DECK ABOVE TOP CORD OF JOIST USING UNISTRUT SIZED PER DETAIL OR INDICATED OTHERWISE BY STRUCTURAL ENGINEER.

SIGN ID

PCS.1 PAC SALES AERIAL COLLAR: 18'-0" LONG X 9'-0" WIDE X 1'-11" HIGH SUSPENDED @ 10'-8" A.F.F. TO BOTTOM.

PSG.23 PACIFIC SALES 2 X 3 GRID SUSPENDED @9'-0" A.F.F. TO BOTTOM. (TYP.)

EXISTING DEPARTMENT SIGNAGE

ALL EXISTING DEPARTMENT SIGNAGE SHOULD BE REMOVED UNLESS SHOWN AND NOTED ON THE PLAN.

SAN BERANARUNO, CA
SAN BERANARUNO, CA
SOUTEMPORANEOUSLY WTH ITS
SOUT SUITABLE FOR USE ON DIFFERENT PROJECT SITE OR A
DIFFERENT PROJECT SITE OR A
FOR REFERENCE OR EXAMPLE ANOTHER PROJECT REQUIRES 1
SERVICES OF PROPERLY LICENS
ARCHITECTS AND ENGINEERS.
TREPROJUCTION OF THIS DRAWN
FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY
CONTRARY TO THE LAW.

A Design Group S. THIS SAN Daryl L. Bray, Architect ISSU Daryl L. Bray, Architect IS N. South Boulder, Suite 550 LATE Sa, Oklahoma 74119.3609 P. 918.587.8600 ANO P. 918.587.8601 ANO ANO SERVANOSQUE SERVANOSQUE SERVANOSQUE SERVANOSQUE SERVANOSQUE SERVANOS SERVANOS

sq. ft. calcs 47,958 SF

1,790 SF
ORAGE/REMAINING:
7,635 SF
STALL:
1,148 SF

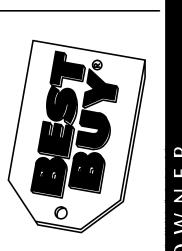
58,531 SF CONCEPT: 45K C3-2

04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

6.O. -13 FINAL REL.

XX.XX.10 ROTOTYPE DATE: 02/12/2014

0150



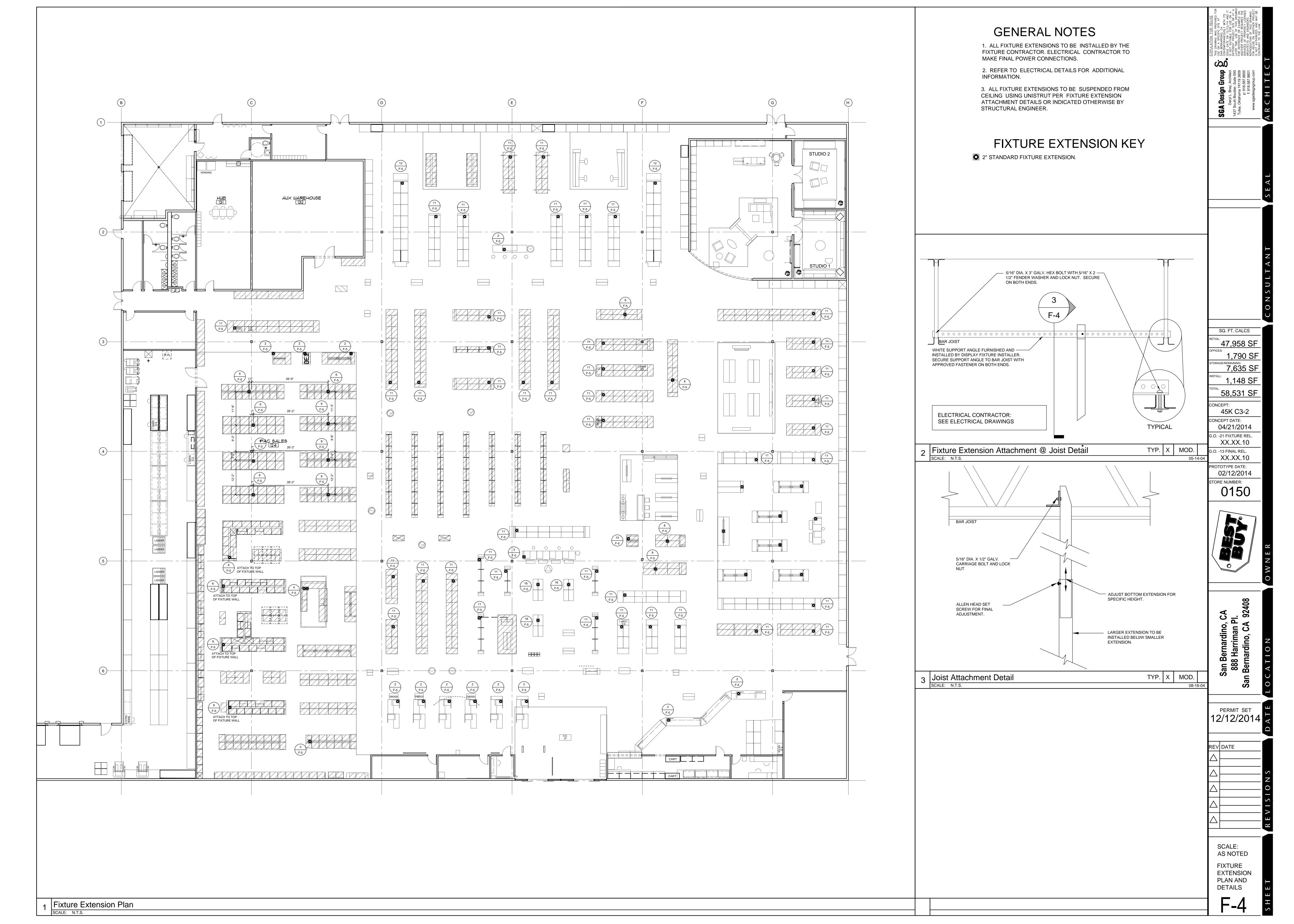
888 Harriman PI. Bernardino, CA 92408

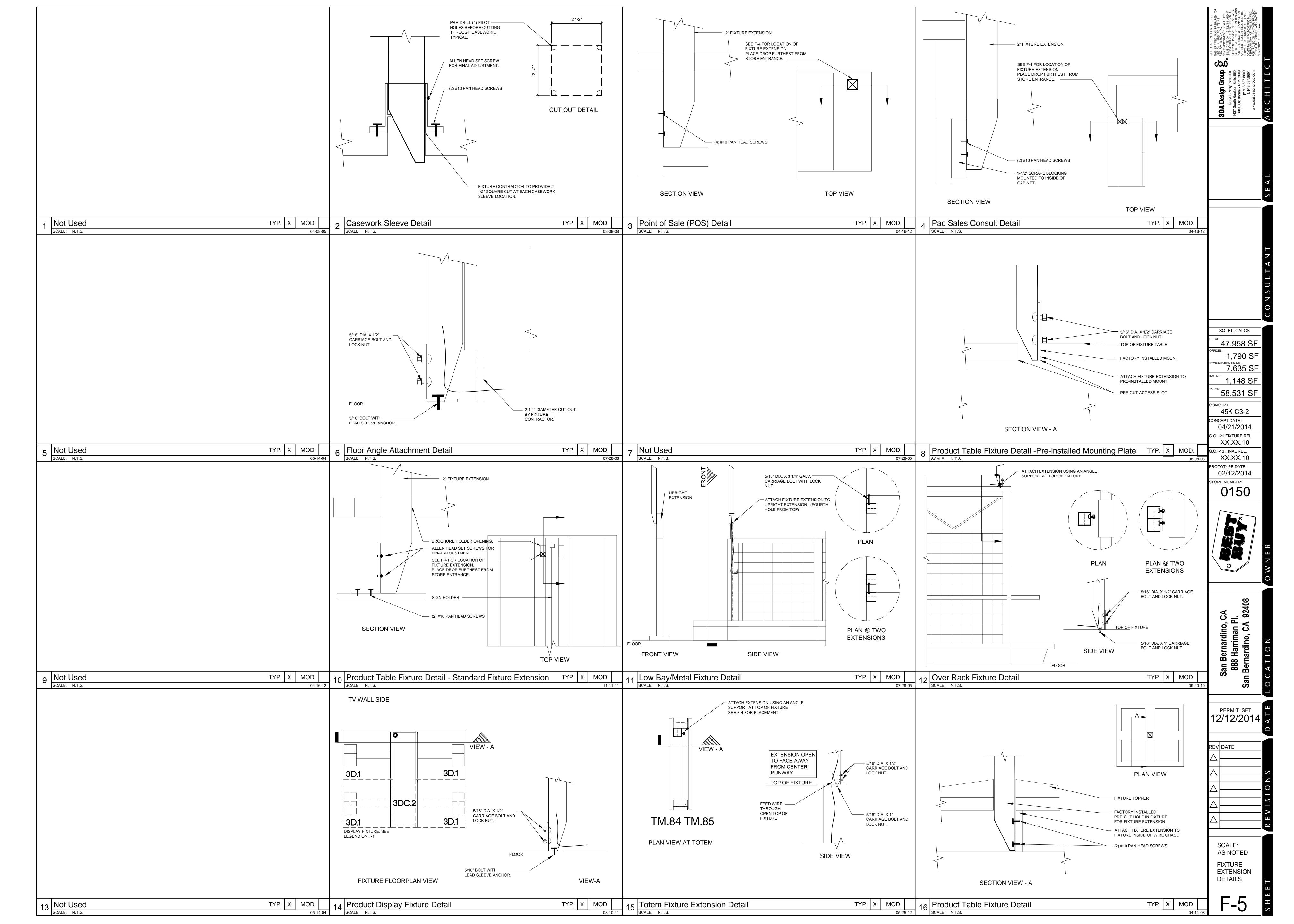
PERMIT SET | 12/12/2014

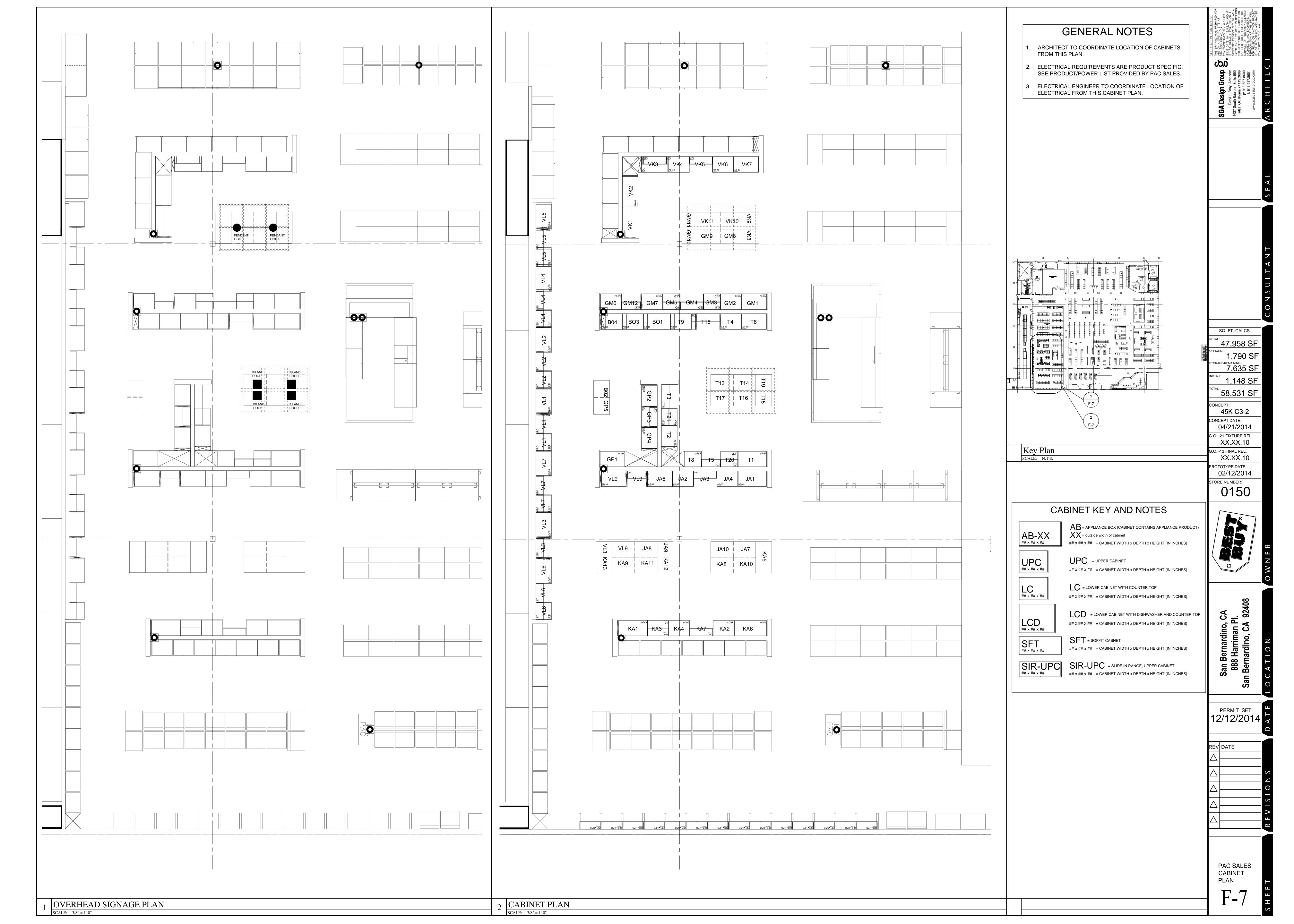
SCALE: AS NOTED

FIXTURE SIGN PLAN

F-2







A.F.F.	ABOVE FINISHED FLOOR
ARCH	ARCHITECT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE CENTER LINE
CO	CLEAN OUT
CONTR	CONTRACTOR
CP	CONDENSATE PUMP
CW	COLD WATER
DIA	DIAMETER
DIFF	DIFFUSER
DMPR	DAMPER
DN	DOWN
DR	DRAIN
DWG	DRAWING
EAT EWT	ENTERING AIR TEMPERATURE ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FAHRENHEIT
FC	FAN COIL
FCO	FLOOR CLEAN OUT
FD	FIRE DAMPER OR FLOOR DRAIN
FLR	FLOOR
FLEX	FLEXIBLE
FT	FEET OR FOOT
GA	GAUGE
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRILLE
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING
	AND AIR CONDITIONING
HW	HOT WATER
INSUL	INSULATION
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR (THOUSANDS)
NC	NOISE CRITERIA OR NORMALLY CLOS
NEG	NEGATIVE
NIC	NOT TO SCALE
NTS	NOT TO SCALE OUTSIDE AIR
ORD	OPPOSED BLADE DAMPER
OBD PLBG	PLUMBING
PVC	POLY VINYL CHLORIDE
RA	RETURN AIR
RD	ROOF DRAIN
RECIRC	RECIRCULATING
REG	REGISTER
RET	RETURN
RH	RELATIVE HUMIDITY
RHT	REHEAT
RHC	REHEAT COIL
RHW	RECIRCULATED HOT WATER
RM	ROOM
RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAN	SANITARY
SD	SMOKE DAMPER
SP	STATIC PRESSURE
SPECS	SPECIFICATIONS
SUP	SUPPLY
SQ	SQUARE
TEMP	TEMPERATURE TONS OF REFRICERATION
TONS	TONS OF REFRIGERATION
T-STAT	THERMOSTAT
TYP	TYPICAL SANITARY VENT
V	SANITARY VENT
VAV	VARIABLE AIR VOLUME
VD VOL	VOLUME DAMPER
	VOLUME
W	SANITARY WASTE
11/1/	WITH
W/	
W/O WCO	WITHOUT WALL CLEAN OUT

GENERAL NOTES: A. THE CONTRACTOR SHALL VERIFY THE EXISTING DUCTWORK SIZE, ROUTING AND LOCATION IN FIELD PRIOR TO BID.

KEYED NOTES: REMOVE EXISTING DUCTWORK IN THIS AREA FROM ROOFTOP UNIT DROP TO POINTS OF CONNECTION TO NEW. CONNECT NEW DUCT TO EXISTING ROOFTOP UNIT DUCT DROP. BALANCE UNIT TO SCHEDULED AIRFLOW. (3) CONNECT NEW DUCT TO EXISTING DUCT SERVING EXISTING DIFFUSER. ROUTE NEW DUCTWORK DOWN WALL AS REQUIRED TO TIE INTO EXISTING DUCTWORK. CONTRACTOR SHALL COORDINATE EXACT SIZE, ROUTING AND LOCATION IN FIELD. BALANCE EXISTING DIFFUSER TO AIRFLOW (4) ROUTE NEW DUCTWORK TIGHT TO STRUCTURE. PROVIDE 26/12 TRANSFER AIR OPENING IN WALL AS HIGH AS POSSIBLE. MOUNT RETURN AIR TRANSFER GRILLE ON SALES FLOOR SIDE OF WALL. PROVIDE 30/16 TRANSFER AIR OPENING IN WALL AS HIGH AS POSSIBLE. MOUNT RETURN AIR TRANSFER GRILLE ON SALES FLOOR SIDE OF WALL. (7) EXISTING RETURN AIR DUCTWORK TO REMAIN. 8 RELOCATE EXISTING TEMPERATURE SENSOR FOR ROOFTOP UNIT RTU-10.

	MECHANICAL SYMBOLS LEGEND	
ANNOTATION	DUCT	WORK
ТҮРЕ	SUPPLY AIR RETURN AIR	EXHAUST DUCT UP, NEGATIVE PRESSURE
A-8"Ø (SQUARE SA DIFFUSER: INDICATES NECK SIZE) 350 (LINEAR SA DIFFUSER: INDICATES DIFF. LENGTH) (RETURN/EXHAUST/TRANSFER GRILLES REGISTERS: INDICATES UNIT SIZE)	EXHAUST AIR STANDARD BRANCH, NO SPLITTER - SUPPLY FLOW TO RIGHT - RETURN/EXHAUST FLOW TO LEFT	SUPPLY DUCT DOWN, POSITIVE PRESSURE RETURN DUCT DOWN, NEGATIVE PRESSURE
CFM DETAIL NUMBER SHEET NUMBER	BELLMOUTH WITH BALANCING DAMPER	
SECTION NUMBER	FLEXIBLE DUCT	SUPPLY DIFFUSER/REGISTER BLANKOFF INDICATED DARK
EQUIPMENT DESIGNATION	TURNING VANES MANUAL VOLUME DAMPER	RETURN GRILLE/REGISTER
EQUIPMENT NUMBER POINT OF CONNECTION, NEW TO EXISTING	MD MOTORIZED DAMPER	EXHAUST GRILLE/REGISTER LINEAR DIFFUSER
POINT OF DISCONNECT	FIRE DAMPER & ACCESS PANEL	CONCENTRIC DUCT TRANSITION
CONTROLS	SMOKE DAMPER & ACCESS PANEL	ECCENTRIC DUCT TRANSITION
SMOKE DETECTOR SPACE TEMPERATURE SENSOR	FSD COMBINATION FIRE/SMOKE DAMPER & ACCESS PANEL	RECTANGULAR-TO-ROUND DUCT TRANSITION
CARBON MONOXIDE SENSOR THERMOSTAT	SUPPLY GRILLE OR REGISTER	EXISTING DUCT TO REMAIN
CARBON DIOXIDE SENSOR T NITROSOXIDE SENSOR	RETURN OR EXHAUST GRILLE OR REGISTER	EXISTING DUCT TO BE REMOVED
TWIST TIMER	SUPPLY DUCT UP, POSITIVE PRESSURE	▼ VAV BOX
	RETURN DUCT UP, NEGATIVE PRESSURE	VAV BOX W/ REHEAT COIL

EXISTING ROOFTOP UNIT SCHEDULE									
GENERAL		месн	ANICAL	_		ELECTRICAL			
EQUIP.	VINTAGE	CF	-M	MANUF.	MODEL	VOLTAGE			
NO.		TOTAL	O.A.		NO.	& PHASE			
EXISTING RTU-10	1995	6000	6000 1150 TRANE		WCD180	SEE ELECTRICAL			

DIFFUSER, GRILLE & REGISTER SCHEDULE								
EQUIP. LETTER	SERVICE	MOUNTING TYPE	DESCRIPTION	ACCESSORIES	FINISH	MANUF.	MODEL NO.	MECH. NOTES
Α	SUPPLY	LAY-IN	24"X24"	Α,	WHITE	TITUS	TMS	1
D	RETURN/EXHAUST TRANSFER	LAY-IN	SIZE PER PLAN	-	WHITE	TITUS	50F	1,2
G	TRANSFER/ RETURN	SURFACE	SIZE PER PLAN	-	WHITE	TITUS	350RL	1,3
Н	SUPPLY	SURFACE	SIZE PER PLAN	А	WHITE	TITUS	350RL	1,4
MECH. NOTES						Д	CCESSORIES	3

STORAGE

CFM

₽ (3)

AUX. WAREHOUSE

CFM

4 16"Ø

.....

G-30/16 900 6

.....

SPACING.

15C 109

SALES DEVELOPMENT

1 HVAC PARTIAL FLOOR PLAN

1/8" = 1'-0"

3

1. APPROVED EQUAL: TUTTLE BAILEY, CARNES, PRICE

2. ALUMINUM CORE WITH 1/2"X 1/2" SQUARES

3. 35° FIXED DEFLECTION, 3/4" SPACING
 4. DOUBLE DEFLECTION, FRONT BLADES PARALLEL TO LONG DIMENSION, ALL BLADES ADJUSTABLE. 3/4"

M33481 Expires 6/30/2016 12/15/2014

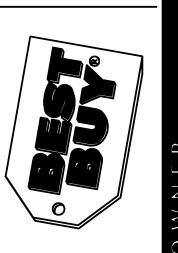
> PROJECT#: 415752-040 SQ. FT. CALCS

47,958 SF 1,790 SF TORAGE/REMAINING:
7,635 SF 1,148 SF

45K C3-2 CONCEPT DATE: 04/21/2014

G.O. -21 FIXTURE REL. XX.XX.10 G.O. -13 FINAL REL. XX.XX.10

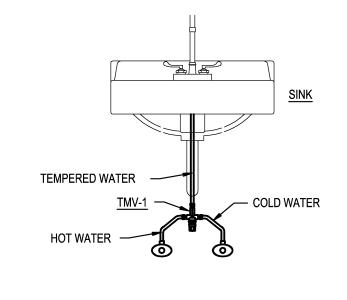
PROTOTYPE DATE: 02/12/2014 STORE NUMBER: 0150



PERMIT SET 12/12/2014

A. OPPOSED BLADE DAMPER

	PLUMBING FIXTURE SCHEDULE														
FIXTURE NO.	TYPE	QUANTITY	WASTE (IN)	WASTE FU (EACH)	WASTE FU (TOTAL)	VENT (IN)	CW (IN)	HW (IN)	TEMPERED WATER (DEG)	WATER FU (EACH)	WATER FU (TOTAL)	TRIM	MANUF.	MODEL NO.	MECH. NOTES
F-2	LAVATORY ADA - UNDERCOUNTER MOUNT, WHITE VITREOUS CHINA, FRONT OVERFLOW, CLAMP ASSEMBLY	7	1-1/2"	1	7	1-1/2"	-	-	1/2"(110)	2	14	PROVIDE ADA COMPLIANT SOLAR ELECTRONIC FAUCET: SLOAN EAF-275	AMERICAN STANDARD KOHLER	NEVADA 0455.221 CAXTON K-2210	INSULATE SINK SUPPLY LINES & WASTE LINE WITH MOLDED COVER, INSULATING KIT, ANSI & ADA. TRAP WRAP BY BROCAR PRODUCTS INC. OR TRUEBRO LAVGUARD
F-6	SINGLE COMPARTMENT STAINLESS STEEL SINK	1	1-1/2"	2	2	1-1/2"	1/2"	1/2"	-	2	2	DRAIN - ELKAY LK-18 FAUCET - ELKAY LK-800, ZURN Z-831B4	ELKAY DAYTON JUST	GECR2521 GE-12521 SL-ADA-2122-A-GR	-
wco	WALL CLEAN OUT	1	2"	-	-	-	NA	NA	-	-	-	-	SIOUX CHIEF JOSAM ZURN	873 58610-CO 1468	LINE TYPE WITH LACQUERED CAST IRON BODY AND ROUND EPOXY COATED GASKETED COVER, AND ROUND STAINLESS STEEL ACCESS COVER SECURED WITH MACHINE SCREW.
FIXTURE UNIT COLUMN TOTALS											16				



NOTE: SET TEMPERED WATER TEMPERATURE TO 110 DEG F MAX. PROVIDE AT EACH LAVATORY PROVIDE WILKINS MODEL NO. ZW387OXLT THERMAL MIXING VALVE AT EACH LAVATORY

GENERAL NOTES:

A. ALL PIPING THAT WILL PENETRATE THE FLOOR OR ANY WALLS SHALL REFERENCE DETAIL 4/P2.0

KEYED NOTES:

POINT OF CONNECTION.

- (1) REMOVE EXISTING COUNTER-SET LAVATORY. REPLACE WITH NEW (AS SCHEDULED) UNDERCOUNTER LAVATORY IN NEW COUNTER. PROVIDE NEW THERMOSTATIC MIXING VALVE AS DETAILED IN 3/P2.0. ADJUST EXISTING UTILITIES AS REQUIRED. VERIFY EXACT REQUIREMENTS IN FIELD.
- NEW 1-1/2" VENT UP TO 3" VENT THRU ROOF. SEE DETAIL 2/P2.0. VERIFY LOCATION AND ROUTING IN FIELD.
- EXTEND AND CONNECT NEW 2" UNDERFLOOR SANITARY WASTE LINE TO EXISTING 4" UNDERFLOOR SANITARY WASTE LINE IN ISC. VERIFY LOCATION AND ROUTING IN FIELD.
- 4> EXTEND AND CONNECT NEW 1/2" HOT, CIRCULATING, AND COLD WATER LINES TO EXISTING 3/4" HOT, CIRCULATING, AND COLD WATER LINES IN ISC. VERIFY LOCATION AND ROUTING IN FIELD. PROVIDE SHUT-OFF VALVE AT
- (5) INSTALL NEW WALL CLEANOUT UNDERNEATH CABINET SINK. CONTRACTOR SHALL ENSURE THAT THE CLEANOUT IS ACCESSIBLE FOR USE.

3 THERMAL MIXING VALVE DETAIL SCALE: N.T.S.

LEGEND

PLUMBING/PIPING

TEE, OUTLET UP

CHECK VALVE

BALL VALVE

PIPE UNION

BALANCING VALVE

ELBOW

SHUTOFF VALVE

ELBOW DOWN CLEANOUT

TEE, OUTLET DOWN

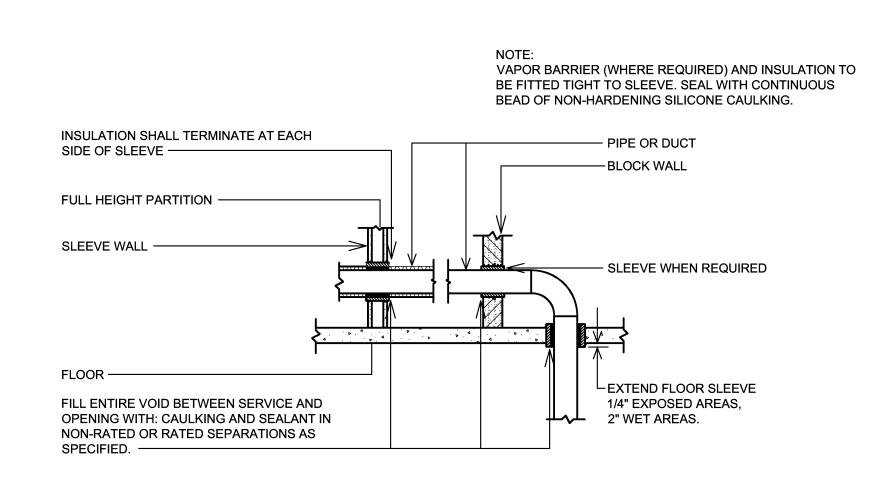
CONNECTION, BOTTOM

PRESSURE RELIEF/SAFETY VALVE

(SETTING AS NOTED, PSI)

CONNECTION, TOP

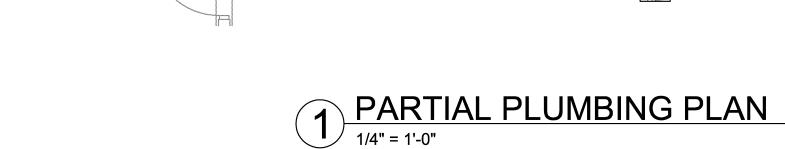
PIPE CAP ELBOW UP

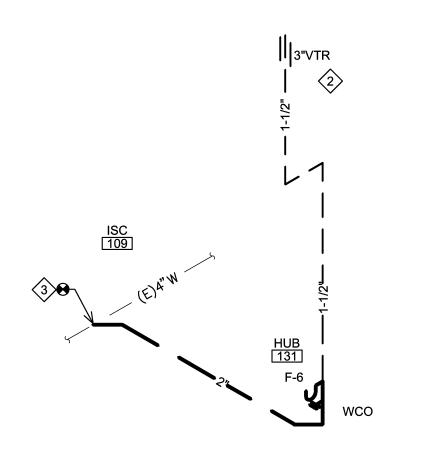


PIPE PENETRATION (WALL OR FLOOR)
SCALE: N.T.S.

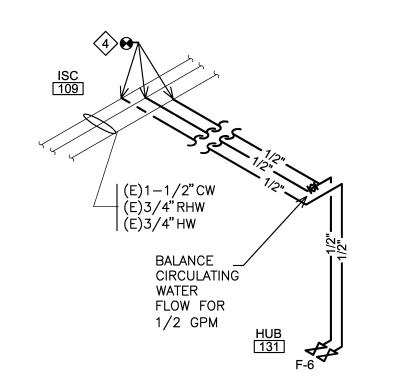
PENETRATION STOP, BY ROOF MANUFACTURER ———————————————————————————————————	- CONT. HIGH TEMPERATURE SEALANT, AS RECOMMENDED BY ROOF MANUFACTURER
PIPE SLEEVE TO REMAIN OPEN AT TOP, TO ALLOW FOR VENTILATION —	– CLAMPING RING, BY ROOF MANUFACTURER
	– P.V.C. PREFABRICATED PIPE BOOT, BY ROOF MANUFACTURER
STANDARD WELD JOINT	- ROOFING MEMBRANE, PER ARCHITECTURAL SPECIFICATIONS
SOLDER PIPE SLEEVE TO BASE PLATE	- METAL ROOF DECK, AND INSULATION
DROPPED CEILING (WHERE APPLICABLE)	- PROVIDE PIPE SLEEVE AND INSULATION AROUND PIPE IN CEILING PLENUM (WHERE SUCH PLENUM EXISTS)
SEAL PIPE SLEEVE TIGHT TO PIPE JUST BELOW CEILING	PIPE TO INTERIOR EQUIPMENT

2 PIPE THROUGH ROOF SCALE: N.T.S.

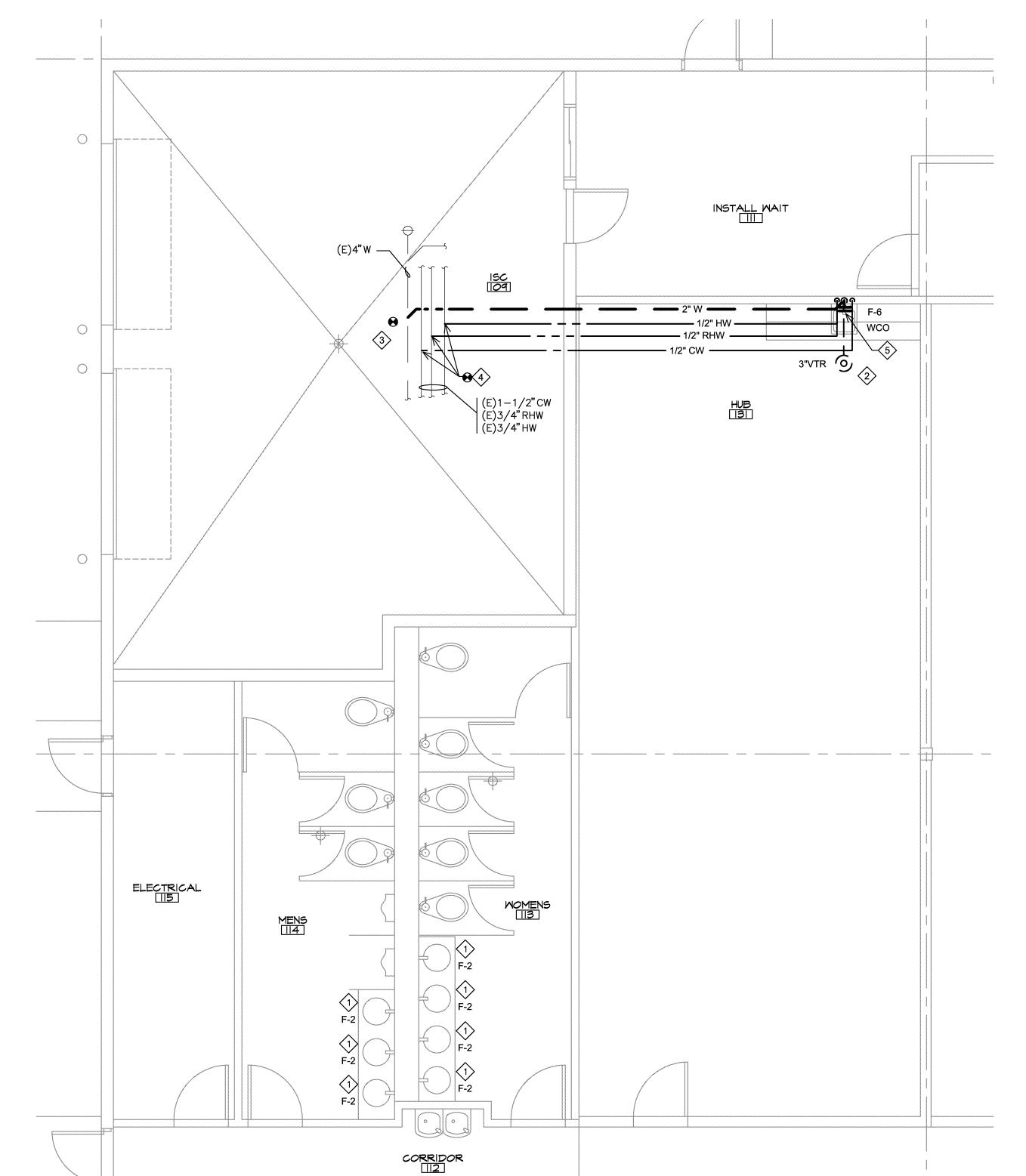




5 WASTE AND VENT RISER DIAGRAM
NO SCALE



6 DOMESTIC WATER RISER DIAGRAMS
NO SCALE



M33481 Expires 6/30/2016

12/15/2014

PROJECT#: 415752-040

SQ. FT. CALCS

47,958 SF

7,635 SF

58,531 SF

45K C3-2

04/21/2014

XX.XX.10

0150

G.O. -21 FIXTURE REL. XX.XX.10

G.O. -13 FINAL REL.

PROTOTYPE DATE: 02/12/2014

STORE NUMBER:

CONCEPT DATE:

1,790 SF

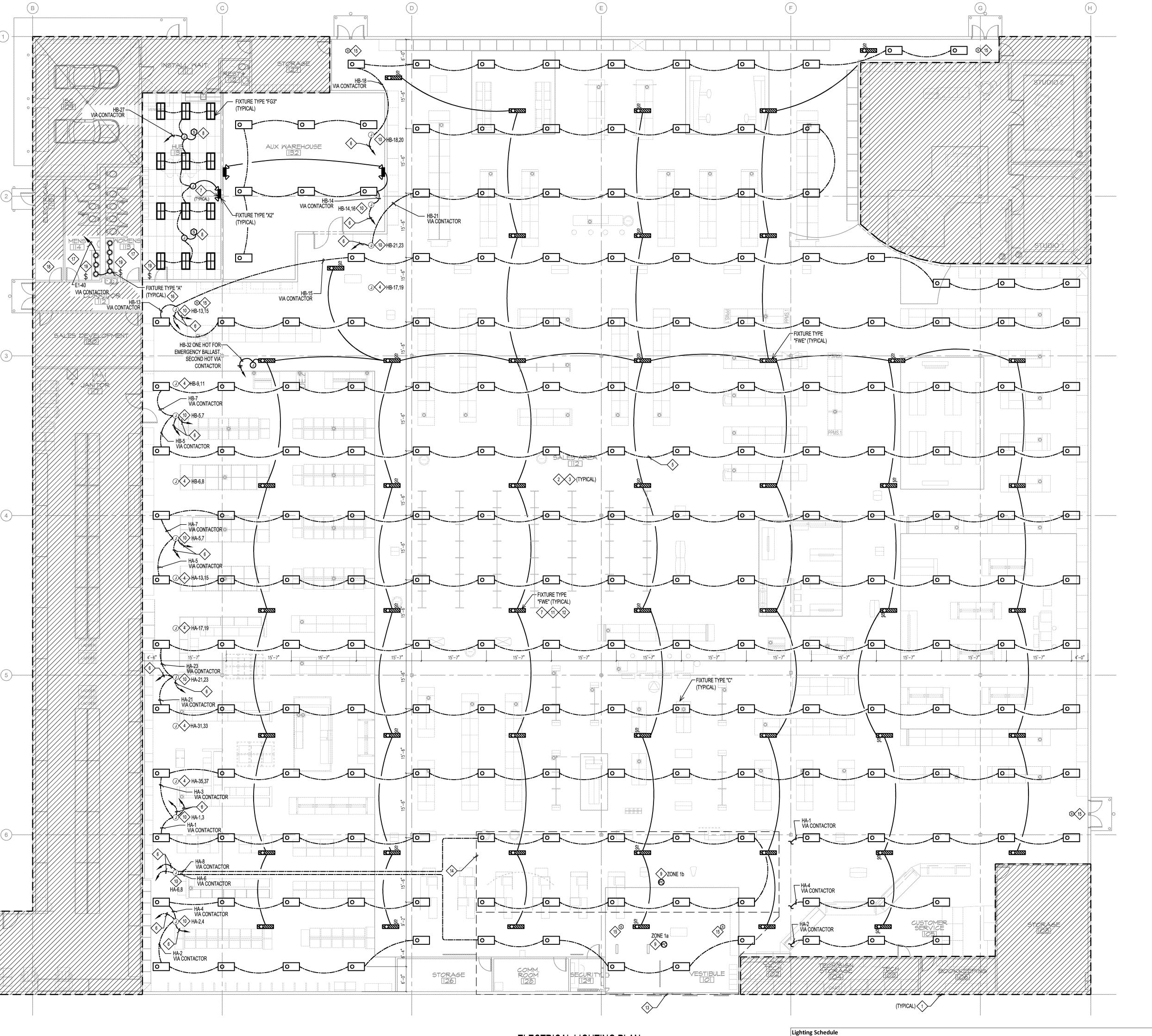
PERMIT SET 12/12/2014

REV DATE

ENLARGED PLUMBING PLANS AND

DETAILS

FLOOR CLEANOUT WALL CLEANOUT PLUMBING — — DOMESTIC COLD WATER ——— — DOMESTIC HOT WATER ——— 180 ————— 180°DOM. HOT WATER SANITARY VENT - ABOVE GRADE SANITARY WASTE - BELOW GRADE EXISTING PLUMBING TO REMAIN



GENERAL NOTES

DEVICES, JUNCTION BOXES SHALL BE RECESSED AND CONDUITS AND WIRES CONCEALED UNLESS OTHERWISE APPROVED BY BEST BUY. NO CONDUITS, RACEWAYS, ELECTRICAL DUCTS & BOXES AND EXPOSED LOW VOLTAGE WIRE SHALL BE RUN TRUE, PLUMB, SQUARE TO THE

BUILDING TIGHTLY WRAPPED OR FASTENED TO STRUCTURE. LOW VOLTAGE RUNS OR EXPOSED WIRE MUST BE HIDDEN FROM VIEW AND TIE WRAPPED TO THE STRUCTURE WITH WHITE WRAPS. TIE WRAPS MUST BE UNIFORMLY SPACED WITH ENOUGH WRAPS TO PREVENT WIRE FROM SAGGING. UNDER NO CIRCUMSTANCES CAN EXPOSED WIRE BE RUN IN FREE AIR OR DIAGONALLY.

ELECTRICAL BOXES ON OPPOSITE SIDES OF FIRE RATED WALL SHALL BE SEPARATED BY A MINIMUM OF 24". USE PLENUM RATED CABLE, CONDUIT, BOXES, ETC. IN AIR PLENUM WALLS AND CEILINGS. ALL PENETRATIONS IN FIRE RATED WALLS ARE TO

BE COMPLETELY FIRE SEALED. RUN ELECTRICAL EQUIPMENT, CONDUIT AND WIRING ABOVE BOTTOM OF JOISTS AND AS TIGHT TO THE DECK AS POSSIBLE, COORDINATE TH WORK WITH OTHER TRADES BEFORE PROCEEDING. THE ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE RATINGS OF NEW OR RELOCATED LIGHTS, SIGNS, COMPACTORS, RTU'S, EXHAUST FANS, MOTORS, ETC. TO AVOID ANY DAMAGE TO EQUIPMENT WHEN ENERGIZED. IT WILL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL

BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AT JUNCTIONS, DEVICES, SPLICES AND TERMINATIONS. WHEN A NEUTRAL CONDUCTOR IS REQUIRED, THE NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH CORRESPONDING PHASE CONDUCTOR WHICH FORMS THE BRANCH

CONTRACTOR TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY BEING CONNECTED TO THE WRONG VOLTAGE AT NO COST TO BEST

HOMERUNS SHALL BE 1/2" MINIMUM CONDUIT SIZE UNLESS OTHERWISE NOTED. REFER TO SHEET E4.0 ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.

ALL MODULAR FLEX WIRING AND CONNECTIONS TO FACE THE BACK OF THE STORE. NO EXCEPTIONS.

LIGHT FIXTURES SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR. DO NOT SCALE FROM THIS PLAN. COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS.

HORN/STROBES, EXIT LIGHTS, EMERGENCY LIGHTS, ELECTRICAL BOXES FOR SIGNS ETC. SHALL NOT BE INSTALLED IN WALL GRAPHICS, BUT DIRECTLY BELOW GRAPHICS ON WALL. COORDINATE WITH INTERIOR ELEVATIONS ON THE GRAPHICS, ARCHITECTURAL SHEETS AND FIXTURE PLANS. NO EXCEPTIONS.

ADDITIONAL EMERGENCY BATTERY LIGHTING HEADS, EMERGENCY BATTERY EXITS, OR ADJUSTMENTS THAT ARE REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR THIS BUILDING WILL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. GENERAL CONTRACTOR TO PROVIDE FIRE-RESISTANT ENCLOSURE FOR RECESSED LIGHT FIXTURES IN FIRE RATED CORRIDORS. SEE

LAY-IN FIXTURES USED ON SUSPENDED CEILINGS SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING GRID, BUT SHALL NOT EXEMPT SECURING OF FIXTURES TO CEILING GRID PER NEC.

WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE, EQUIPMENT GROUND CONDUCTORS, WHERE INSTALLED, SHALL BE INCREASED IN SIZE PROPORTIONATE TO CIRCULAR MIL. AREA OF THE UNGROUNDED CONDUCTORS. PROVIDE UNSWITCHED CONDUCTOR TO EMERGENCY AND EGRESS LIGHT FIXTURES.

ALL LIGHTING AND CONTROLS MUST COMPLY WITH TITLE 24 REQUIREMENTS. PROVIDE HANDLE TIE AT BREAKER FOR SHARED NEUTRAL CIRCUITS.

KEYED NOTES:

AND MOUNTING CONFLICTS.

ALL LIGHTING IN HATCHED AREA IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE. MAINTAIN EXISTING CONNECTIONS AND

(2) EXIT SIGNS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. MAINTAIN EXISTING CONNECTIONS. CONTRACTOR TO TEST FUNCTIONALITY OF EXISTING EXIT SIGNS. PROVIDE UNIT PRICING TO REPLACE DAMAGED OR DEFECTIVE UNITS.

3> COORDINATE EXACT LIGHT FIXTURE LOCATION PRIOR TO ROUGH-IN WITH EXISTING CEILING CONDITIONS AND TO AVOID ANY WIRING

DISCONNECT HA & HB CIRCUITS FROM MODULAR RUNS AND REMOVE UNUSED HOME RUNS BACK TO SOURCE.

5 LINE TYPE INDICATES MODULAR WIRING SYSTEM. MODULAR WIRING TO ALSO CONTAIN 0-10V CONTROL WIRING.

PROVIDE 600V 0-10V DIMMING WIRE BACK TO NEW LIGHTING CONTROL PANEL AND MAKE FINAL CONNECTIONS. 0-10V WIRING CONTAINED IN MODULAR WIRING WHERE APPLICABLE. CONTROL WIRING TO BE 18GA, NON-SHIELDED CABLE. PROVIDE PLENUM RATED CABLE IN PLENUM AREAS OR AS REQUIRED BY LOCAL CODES. SEE ELC-1 FOR MORE INFORMATION.

7 PROVIDE UNSWITCHED CIRCUITS TO EMERGENCY LIGHT BATTERY PACKS AND EXIT SIGNS.

PROVIDE OCCUPANCY SENSORS TO CONTROL ROOM LIGHTING AS SHOWN ON THE DRAWINGS. SEE DETAIL 8/E4.0 MOUNT OCCUPANCY SENSOR IN ROOM LOCATION AS RECOMMENDED BY MANUFACTURER FOR OPTIMAL PERFORMANCE. PROVIDE SENSOR SWITCH TYPE #CMR-PDT-9 FOR CEILING MOUNTED TYPES AND TYPE #WSD-PDT-GY FOR WALL MOUNTED TYPES.

9> PROVIDE PHOTOCELL MOUNTED TO BOTTOM CHORD OF JOIST FACING DOWN. COIL 10' OF EXTRA CABLE IN JOIST SPACE NEXT TO PHOTOCELL. SEE ELC-1 SHEET FOR MORE INFORMATION.

(10) EXISTING JUNCTION BOX AT CEILING WITH CIRCUITS AS SHOWN. LOCATION IS APPROXIMATE. VERIFY EXACT LOCATION IN FIELD.

FIXTURE TYPE "FW" TO BE USED AS SECURITY LIGHT & "FWE" AS EMERGENCY/SECURITY LIGHT ONLY. SL FIXTURES WILL BE TURNED ON/OFF BY LIGHTING CONTROL SYSTEM. MOUNT FIXTURE AS NEAR TO DECK AS POSSIBLE. PROVIDE UNSWITCHED CIRCUIT TO EMERGENCY BALLAST, EMERGENCY BALLAST TO BE REMOTE MOUNTED BY ELECTRICAL CONTRACTOR, ONLY FIXTURES DESIGNATED AS SUCH TO SERVE AS SECURITY LIGHTS.

(12) EMERGENCY LIGHTING SHALL PROVIDE A UNIFORMLY DISTRIBUTED MINIMUM AVERAGE 1.0 FOOT CANDLE ILLUMINATION AT FLOOR LEVEL FOR PATH OF EGRESS.

13 PRIMARY DAYLIGHT ZONE.

SECONDARY DAYLIGHT ZONE

 $\langle 1_5
angle$ Contractor to provide occupancy sensors for security lighting per manufacturers installation instructions as REQUIRED. SECURITY LIGHTING SHALL ONLY BE ACTIVE WHEN SALES FLOOR LIGHTING IS NOT ACTIVE AND SHALL ONLY BE TRIGGERED BY OCUPANCY SENSORS.

(16) TYPE 'A' PENDANT LIGHT TO BE 8" FROM WALL CENTERED OVER LAV.

(17) EXISTING GENERAL LIGHTING FIXTURES IN RESTROOM TO REMAIN UNLESS NOTED OTHERWISE.

(18) E.C TO VERIFY EXISTING EMS SYSTEM AND PROVIDE INTERFACE MODULES AND PROGRAMMING AS REQUIRED TO COMPLY WITH TITLE 24 REQUIREMENTS. UPDATES TO INCLUDE CONTROLS AND DEMAND RESPONSE CONNECTION.

(19) E.C TO PROVIDE MANUAL OFF CONTROLS PER T-24 REQUIREMENTS.

NOTE TO ELECTRICAL CONTRACTOR

ALL LIGHTING TO BE PURCHASED THROUGH VILLA LIGHTING UNLESS NOTED OTHERWISE. NO EXCEPTIONS.

VILLA LIGHTING 1-800-325-0963

WHIP LENGTH AND TYPE IS LEFT UNSPECIFIED. CONTRACTOR IS RESPONSIBLE FOR ORDERING PROPER WHIP LENGTH AND TYPE BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO ORDERING FIXTURES COORDINATE EXISTING MODULAR WIRING TYPE WITH MIKE MEDEIROS @ ACS (MODULAR SYSTEM MANUFACTURER) TO ASSURE PROPER WHIPS ARE ORDERED FOR EXISTING SYSTEM. PROVIDE ADDITIONAL MODULAR COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION. MIKE MEDEIROS - (877) 242-6668

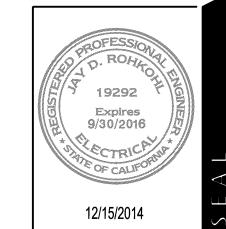
ELECTRICAL LIGHTING PLAN 3/32" = 1'-0"

SYMBOL VA TAG TYPE VOLTAGE MOUNTING PENDANT LIGHT PENDANT (CEILING) GE (1) CF13S27-R6 LITHONIA:11536-BN-CF13INLB27 GU24 PENDANT LIGHT MOUNTED 7'-0" AFF TO BOTTOM OF LIGHT FIXTURE. LINEAR FLUORESCENT HIGH BAY WITH ELECTRONIC DIMMING BALLAST. ELECTRICAL CONTRACTOR TO PROVIDE SUSPENSION CABLES AND LAMP FLUORESCENT HIGH BAY LITHONIA:IBZ-632-WD-277-2/3-GVHPV3-PAF-IBZACVH AIRCRAFT CABLE (6) GE #F28T8/XL/SPX50/ECO (2) GE #332-MVPS-H-V03 ACRYLIC PRISMATIC LENS .125 THICKNESS. PROVIDE ONE ELECTRONIC 2'X 4' RECESSED STATIC RECESSED, GRID LAY-IN (1) GE #332-MVPS-N-V03 LITHONIA: #2GT8-332-A12125-MVOLT-GEUS 2 FG3 FLUORESCENT TROFFER CEILING (3) GE #F28T8/XL/SPX50/ECO DIMMING BALLAST. USE AS EM/SECURITY LIGHT ONLY. EC TO REMOTE MOUNT LITHONIIA LITHONIA: #CLM-2-32-MVOLT-GEUS WITH LITHONIA PS3000 EMERGENCY PS3000 EMERGENCY BALLAST. COORDINATE INSTALLATION WITH 4' FLUOR. WRAPAROUND (2) GE #F28T8/XL/SPX50/ECO (1) GE#232-MVPS-N BALLAST-REMOTE MOUNTED. MANUFACTURERS INSTRUCTIONS. (EM/SL) EMERGENCY BATTERY UNIT WITH TUNGSTEN LAMP (2) 20W-12 VOLT HALOGEN LAMPS WHITE COLOR HOUSING STANDARD. UNIT PROVIDED WITH SELF SURFACE (UNIVERSAL) LITHONIA: #ELM1272-H2012-SD HEADS INCLUDED DIAGNOSTICS.

GENERAL NOTES SUBSTITUTION OF LAMPS FOR THE LIGHTING PACKAGE MUST BE MADE IN ACCORDANCE WITH THE LEED MERCURY CREDIT AND CUT SHEETS, PROVING COMPLIANCE SHALL BE SENT TO THE ENGINEER FOR REVIEW BEFORE PURCHASING. MATCH EXISTING MOUNTING HEIGHTS

NO SUBSTITUTION OF LIGHT FIXTURES SHALL BE ALLOWED. NO EXCEPTIONS.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRE IF MODULAR FLEX WIRING IS NOT ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND INCLUDE IN YOUR BID. THE ELECTRICAL CONTRACTOR SHALL FURNISH LIGHT FIXTURES, LAMPS AND MISCELLANEOUS HARDWARE, INCLUDING FLEXIBLE MODULAR WIRING SYSTEMS.



PROJECT#: 415752-040 SQ. FT. CALCS <u>47,958 SF</u>

1,790 SF 7,635 SF

CONCEPT:

45K C3-2

CONCEPT DATE: 04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

G.O. -13 FINAL REL. XX.XX.10 PROTOTYPE DATE:

STORE NUMBER: 0150

02/12/2014



12/12/201

ELECTRICAL LIGHTING PLAN

CIRCUIT QUANTITIES

SALES AREA

BOX. SEE E1.2 FOR MORE INFORMATION

EXIST. PANEL D2
EXIST. PANEL D1
EXIST. PANEL C2

SALES FLOOR CIRCUITS ARE EXISTING IN CEILING. EC TO FIELD VERIFY EXACT CIRCUIT LOCATIONS IN CEILING AND REDISTRIBUTE AS SHOWN UNLESS NOTED OTHERWISE.

NOTE TO CONTRACTOR

CONTRACTOR TO RE-USE EXISTING FIXTURE LEVEL AMPINNERGY FLEXIBLE WIRING SYSTEM. TURN OVER ANY UNUSED AMPINNERGY PRODUCTS TO BEST BUY. MAXIMUM OF 10 DUPLEXES OR EQUIVALENT ALLOWED ON A CIRCUIT.

DEMOLITION NOTE

- POWER TRANSITION BOX. SEE E1.2 FOR MORE INFORMATION

2 CKTS-

CONTRACTOR TO MAXIMIZE RE-USE OF ALL EXISTING CIRCUITS. MAINTAIN EXISTING CIRCUITS WHEREVER POSSIBLE AND REDISTRIBUTE AS SHOWN ON DRAWINGS. LABEL ANY UNUSED CIRCUITS FOR FUTURE USE AND MARK LOCATION ON ASBUILT DRAWINGS.

GENERAL NOTES

- DEVICES AND JUNCTION BOXES SHALL BE RECESSED AND CONDUITS AND WIRES CONCEALED UNLESS OTHERWISE APPROVED BY BEST BUY. NO EXCEPTIONS.
 CONDUITS, RACEWAYS, ELECTRICAL DUCTS & BOXES AND EXPOSED LOW VOLTAGE WIRE SHALL BE RUN TRUE, PLUMB AND SQUARE TO THE BUILDING AND TIGHTLY WRAPPED OR FASTENED TO STRUCTURE. LOW VOLTAGE RUNS OR EXPOSED WIRE MUST BE HIDDEN FROM VIEW AND TIE WRAPPED TO THE STRUCTURE WITH WHITE WRAPS. TIE WRAPS MUST BE UNIFORMLY SPACED WITH ENOUGH WRAPS TO PREVENT WIRE FROM SAGGING. UNDER NO CIRCUMSTANCES CAN EXPOSED WIRE BE RUN IN FREE AIR OR DIAGONALLY.
- ELECTRICAL BOXES ON OPPOSITE SIDES OF FIRE RATED WALL SHALL BE SEPARATED BY A MINIMUM OF 24".
 USE PLENUM RATED CABLE, CONDUIT, BOXES, ETC. IN AIR PLENUM WALLS AND CEILINGS. ALL PENETRATIONS OF FIRE RATED WALLS ARE TO
- 5. RUN ELECTRICAL EQUIPMENT, CONDUIT AND WIRING ABOVE BOTTOM OF JOISTS AND AS TIGHT TO THE DECK AS POSSIBLE, COORDINATE THIS WORK WITH OTHER TRADES BEFORE PROCEEDING.
- 6. THE ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE RATINGS OF NEW OR RELOCATED LIGHTS, SIGNS, COMPACTORS, RTU'S, EXHAUST FANS, MOTORS, ETC. TO AVOID ANY DAMAGE TO EQUIPMENT WHEN ENERGIZED. IT WILL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY BEING CONNECTED TO THE WRONG VOLTAGE AT NO COST TO BEST
- 7. BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AT JUNCTIONS, DEVICES, SPLICES AND TERMINATIONS. WHEN A NEUTRAL CONDUCTOR IS REQUIRED, THE NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH CORRESPONDING PHASE CONDUCTOR WHICH FORMS THE BRANCH CIRCUIT
- HOMERUNS SHALL BE 1/2" MINIMUM CONDUIT SIZE UNLESS OTHERWISE NOTED.
 ISOLATED GROUND CIRCUIT MUST HAVE A SEPARATE GROUNDING WIRE AS A DEDICATED GROUND (NOT NEUTRAL). ALL GROUND WIRES
- SHALL BE CONNECTED TO A COMMON ISOLATED GROUND BUS AT THE PANELBOARD.
 SEE E4, LOW VOLTAGE, FOR ADDITIONAL CONDUIT REQUIREMENTS FOR BEST BUY.
- OUTLET HEIGHTS WILL BE TO CENTER OF OUTLET, UNLESS OTHERWISE NOTED. DO NOT SCALE FROM THIS PLAN.
- COORDINATE ALL CONDUIT AND BOX INSTALLATIONS ON COLUMNS WITH GENERAL CONTRACTOR BEFORE ROUGH-IN. ALL RECEPTACLES SHALL BE 20 AMP, UNLESS OTHERWISE NOTED.
- DOORS TO ELECTRICAL ROOMS SHALL BE SIGNED AS SUCH "ELECTRICAL ROOM" ELECTRICAL CONTRACTOR TO PROVIDE ENGRAVED BLACK
 NAME PLATE WITH WHITE LETTERS. NO EXCEPTIONS.
 IF PVC UNDERGROUND CONDUIT IS NOT ALLOWED BY AUTHORITY HAVING JURISDICTION PROVIDE RIGID GALVANIZED STEEL CONDUIT AND
- GROUND AS REQUIRED.

 17. WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE, EQUIPMENT GROUND CONDUCTORS, WHERE INSTALLED, SHALL BE
- WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE, EQUIPMENT GROUND CONDUCTORS, WHERE INSTALLED, SHALL BE INCREASED IN SIZE PROPORTIONATELY ACCORDING TO CIRCULAR MIL. AREA OF THE UNGROUNDED CONDUCTORS.
- 18. ALL CONDUITS SHALL BE A MINIMUM OF 3" BELOW THE SLAB WITH GROUND COVER.
 19. PROVIDE BRUSHED STAINLESS STEEL WALL COVER PLATES.
- 20. CONTRACTOR TO ACCOUNT FOR VOLTAGE DROP WHEN PROVIDING NEW OR REUSING EXISTING BRANCH CIRCUITING. VOLTAGE DROP TO BE BASED ON LOADS SHOWN IN PANEL SCHEDULES.
- 21. CONTRACTOR TO VERIFY CIRCUITS ARE UNSWITCHED VIA EMS PRIOR TO RE-USE FOR GONDOLA POWER. ONLY UNSWITCHED CIRCUITS MAY BE RE-USED FOR GONDOLA POWER.
- 22. EXISTING FLOOR BOXES IN PAC SALES, MAGNOLIA DESIGN CENTERS, AND VENDOR PADS TO BE REMOVED AND FILLED IN. ANY FLOOR BOXES WHERE POWER IS INTERRUPTED BY REMOVAL OF BOXES IN AFOREMENTIONED AREAS SHALL ALSO BE REMOVED AND FILLED IN. TURN OVER ANY SALVAGEABLE FLOOR BOX COMPONENTS TO BEST BUY FOR RE-USE ON DAMAGED FLOOR BOXES THAT ARE EXISTING TO REMAIN.
- 23. PROVIDE MULTIPOLE BREAKER OR HANDLE-TIE ON AT ALL SHARED NEUTRAL CIRCUITS.

KEYED NOTES

MAINTAIN ACCURATE AS BUILT DRAWINGS.

1> ELECTRICAL HATCHED AREA IS EXISTING TO REMAIN. MAINTAIN EXISTING CONNECTIONS UNLESS OTHERWISE NOTED.

- REUSE EXISTING VALANCE LIGHTING AND RECONNECT TO EXISTING VALANCE LIGHTING CIRCUIT. REUSE EXISTING PERIMETER POWER CIRCUITS AND DEVICES UNLESS NOTED OTHERWISE.
- EXISTING SALES FLOOR GONDOLAS BEING REARRANGED IN NOTED AREAS. RE-USE EXISTING FIXTURE LEVEL DEVICES AND RECONNECT TO OVERHEAD FEED AT NEW LOCATION. RE-DISTRIBUTE NEARBY EXISTING OVERHEAD CIRCUITS AND EXTEND TO NEW LOCATION AS REQUIRED.
- FIXTURE EXTENSION FROM JOIST SPACE DOWN TO DISPLAY FIXTURE WITH PULL LINE. SEE DETAIL 4 ON ELECTRICAL DETAILS SHEET E4.0.
 BEST BUY SPECIFIED FIXTURE EXTENSION SHALL BE FURNISHED AND INSTALLED BY OTHERS. BOND FIXTURE EXTENSION TO BUILDING STEEL.
- GONDOLA LOCATION SHIFTING SLIGHTLY. RE-USE EXISTING DROPS AND FIXTURE LEVEL POWER. RELOCATE DROP AND FIXTURE EXTENSION WITH GONDOLA MOVE AS REQUIRED.
- 6 SURFACE MOUNTED 1" CONDUIT WITH MC CABLE RUN FROM JOIST SPACE DOWN WALL TO JUNCTION BOX MOUNTED ON WALL ABOVE FIXTURE. SEE DETAIL 1/E4.0.
- 7 DUPLEX GFI RECEPTACLE (GRAY). MOUNTED 48" A.F.F. TO CENTER UNLESS OTHERWISE NOTED.

SYMBOL

- 8 PANELS ARE EXISTING TO REMAIN AND LOCATIONS ARE APPROXIMATE. E.C IS TO VERIFY EXACT LOCATIONS IN FIELD.
- DOUBLE DUPLEY GELRECEPTACLE (GRAY). MOLINTED 20" A F.E. TO CENTER LINLESS OTHERWISE NOTED
- PROVIDE (3) EMPTY SURFACE MOUNTED 4" CONTINUOUS CONDUIT WITH PULL LINES FROM COMM. ROOM WALL AT 8'-0" A.F.F. TO JOIST SPACE USING 3'-0"+- RADIUS SWEEPS TO MAKE THE BENDS, AND WITH NYLON BUSHINGS AT EACH END. CONDUIT TO PENETRATE SALES FLOOR WALL IN JOIST SPACE. VERIFY EXACT LOCATION IN FIELD.
- CONTROLLED RECEPTACLE TO BE LABELED PER T-24 REQUIREMENTS.
- 12> E.C TO PROVIDE 2 CKTS TO VENDOR PADS VIA OVERHEAD FIXTURE EXTENSION
- PROVIDE (1) EMPTY SURFACE MOUNTED 2" CONTINUOUS CONDUITS WITH PULL LINES FROM WALL AT 8'-0" A.F.F. TO JOIST SPACE USING 3'-0"+-RADIUS SWEEPS TO MAKE THE BENDS, AND WITH NYLON BUSHINGS AT EACH END.

DESIGNATION

	SYMBOL	DESIGNATION	MTG HT								
	SWITCHES & CONTROLS										
	\$ SINGLE POLE TOGGLE SWITCH										
	\$ ²	DOUBLE POLE TOGGLE SWITCH	48"								
	\$ ³	THREE WAY TOGGLE SWITCH	48"								
	\$ ⁴	FOUR WAY TOGGLE SWITCH	48"								
	\$ °	TOGGLE SWITCH - "a" INDICATES SWITCHING	48"								
	- D #	DIMMER SWITCH (# = WATTAGE)	48"								
	© ©	OCCUPANCY SENSOR - WALL/CLG MOUNT	12"BFC								
	\$ °°	OCCUPANCY SENSOR WALL SWITCH	48"								
	- TC	TIME CLOCK	60"								
	•©	CONTACTOR	60"								
	- R	RELAY	VERIFY								
	Ф	ELECTRIC THERMOSTAT	60"								
	LIGHTING										
	_b O A #	LIGHT FIXTURE ID - REFER TO LT FIXT SCHEDULE (FIXT SCHEDULE OVERRIDES SYMBOL ABBREVIATION) A - INDICATES LIGHT FIXTURE TYPE # - INDICATES CIRCUIT NUMBER b - INDICATES SWITCHING									

•	CONTACTOR	60"
•R	RELAY	VERIFY
Ф	ELECTRIC THERMOSTAT	60"
	LIGHTING	
_b O	LIGHT FIXTURE ID - REFER TO LT FIXT SCHEDULE (FIXT SCHEDULE OVERRIDES SYMBOL ABBREVIATION) A - INDICATES LIGHT FIXTURE TYPE # - INDICATES CIRCUIT NUMBER b - INDICATES SWITCHING	
	LIGHT FIXTURE CIRCUIT TYPE - NO HATCH INDICATES NORMAL CIRCUIT	
O 0	TROFFER TYPE LIGHT FIXTURE, SIZE AS INDICATED - CEILING MOUNT	
$\overline{}$	CHANNEL OR INDUSTRIAL, LENGTH AS INDICATED	
0	DOWNLIGHT CLG FIXT, RECESSED OR SURFACE MNT	
Q	SMALL WALL MOUNT FIXTURE OR SCONCE	VERIFY
Ċ	LINEAR WALL MOUNT FIXT, LENGTH AS INDICATED	VERIFY
	UNDER CABINET FIXTURE, LENGTH AS INDICATED	
	TRACK FIXTURE, NUMBER OF HEADS AS INDICATED	
딸	EMERGENCY BATTERY LIGHT - WALL/CLG MNT	VERIFY
♣ ‡⊗	EXIT LIGHT, FILLED QUADRANT INDICATES FACES - WALL/CEILING MOUNT	VERIFY

1€	- WALL/CEILING MOUNT	
	POWER	
í	BRANCH CIRCUIT PANEL	VERIFY
S	EMERGENCY PANEL	VERIFY
	DISTRIBUTION PANEL OR SWITCHBOARD	VERIFY
3 ⊱	TRANSFORMER	VERIFY
O	MOTOR OR MOTOR CONNECTION	VERIFY
	DISCONNECT SWITCH	VERIFY
)	DUPLEX RECEPTACLE - WALL/CEILING MOUNT	20"
#	QUADPLEX RECEPTACLE - WALL MOUNT	20"
•	SPECIAL PURPOSE RECEPTACLE - WALL/CLG MNT	VERIFY
$\overline{\wedge}$	KEY NOTE	VEDIEV

	П		
S	ı		ELECTRICAL ABBREVIATIONS
	48"	AFCI	ARC FAULT CIRCUIT INTERRUPTER
	48"	AFF AHU	ABOVE FINISHED FLOOR AIR HANDLING UNIT
	48"	BBY	BEST BUY
	48"	C CKT	CONDUIT
	48"	CU EC	COPPER ELECTRICAL CONTRACTOR
	48"	EM EMT	EMERGENCY ELECTRICAL METALLIC TUBING
	12"BFC	FA	FIRE ALARM
	48"	FACP GFI	FIRE ALARM CONTROL PANEL GROUND FAULT INTERRUPTER
	60"	GND IG	GROUND ISOLATED GROUND
	60"	JBOX KV	JUNCTION BOX KILOVOLT
	VERIFY	KVA KW	KILOVOLT-AMP KILOWATT
	60"	MC NEC	MOMENTARY CONTACT NATIONAL ELECTRICAL CODE
		PH PNL RECEPT REFG RTU SW SPKR TSTAT TYP UH VA WP XFMR	PHASE PANEL RECEPTACLE REFRIGERATOR ROOF TOP UNIT SWITCH SPEAKER THERMOSTAT TYPICAL UNIT HEATER VOLT-AMP WEATHERPROOF TRANSFORMER
		NOTE: REFER TO MO	TOR AND EQUIPMENT SCHEDULES FOR ADDITIONAL MOTOR ABBREVIATIONS.
	VERIFY		RACEWAYS
	VERIFY		
			CONDUIT AS DESCRIBED ON DRAWINGS AND SPECIFICATIONS
		/	MODULAR WIRING
	VERIFY		CAT5 CABLE
	VERIFY	<u> </u>	0-10V CONTROL WIRING
		/\	UNDERGROUND CONDUITS

CONDUIT WITH BUSHED END

- NUMBERS INDICATE CIRCUITS

/ SHORT HASH INDICATES 1#12 LINE

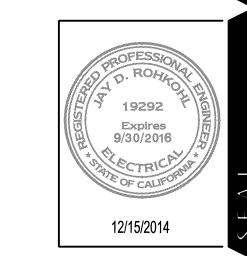
JUNCTION BOX - WALL/CEILING MOUNT

CIRCUIT HOME RUN
- L1 INDICATES PANEL
- NI IMBERS INDICATE CI

CONDUIT WITH BREAK OR CONTINUATION

/ LONG HASH INDICATES 1#12 NEUTRAL / HASH W/ DOT INDICATES 1#12 GROUND

CONDUCTOR COUNT - UNLESS NOTED OTHERWISE



DUNHam Associates of Minnesota, Inc.

50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550
WEB dunhameng.com
mechanical + electrical consulting engineeri

SQ. FT. CALCS

A7,958 SF

1,790 SF
TORAGE/REMAINING:
7,635 SF

1,148 SF
TOTAL: 58,531 SF

45K C3-2
CONCEPT DATE:

04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

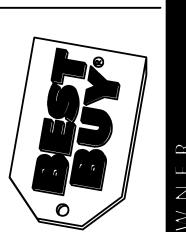
G.O. -13 FINAL REL.

XX.XX.10

PROTOTYPE DATE:

STORE NUMBER: 0150

02/12/2014



888 Harriman Pl. an Bernardino, CA 92408

PERMIT SET 12/12/2014

REV DATE

Δ _____

ELECTRICAL LIGHTING PLAN

E1.0

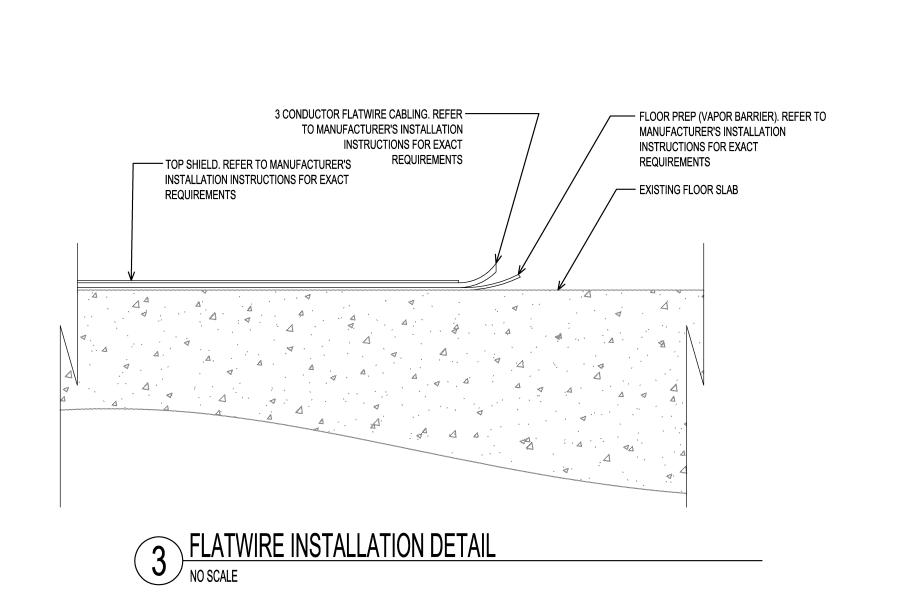
1 ELECTRICAL POWER PLAN
3/32" = 1'-0"

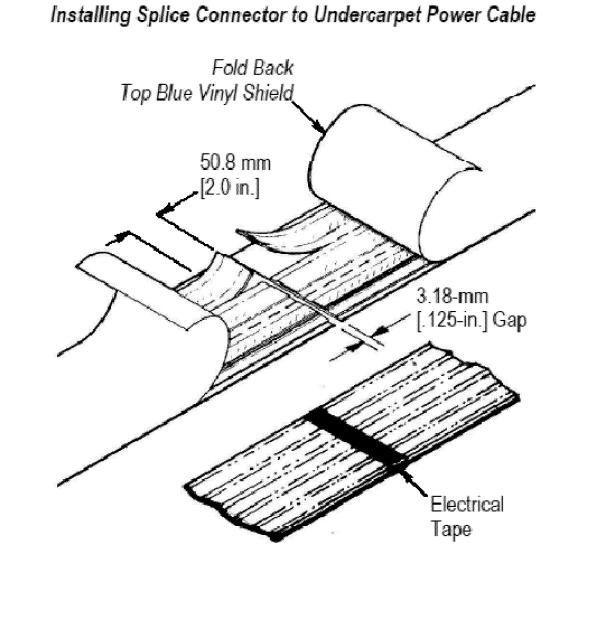
A2-39

EXIST. PANEL HB —

EXIST. PANEL A2 — EXIST. PANEL B1 — EXIST. PANEL B2 —

EXIST. PANEL E1 —





GENERAL NOTES:

OF GONDOLA IN SAME LOCATION.

5'-10"

4'-4 1/2"

ALL FLATWIRE COMPONENTS TO BE INSTALLED BY ELECTRICAL CONTRACTOR. SEE STORE LIST ON THIS SHEET FOR LOCATIONS WHERE FLATWIRE IS FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

POWER FLATWIRE IS BEING FURNISHED AS A KIT OF PARTS.

CONTRACTOR TO PROVIDE STANDARD BOXES, RECEPTACLES, AND WIRING AS REQUIRED FOR COMPLETE

ELECTRICAL CONTRACTOR MUST VERIFY BEFORE RE-USE OF EXISTING CIRCUITING THAT PAD IS BEING SUPPLIED WITH TWO DEDICATED, 20A CIRCUITS. APPLE PAD CANNOT SHARE CIRCUITS WITH ANY DISPLAYS, EXISTING

DEVICES, OR GONDOLAS. PROVIDE NEW CIRCUITS AS REQUIRED. CONTRACTOR SHALL ALSO VERIFY ANY CIRCUIT TO BE RE-USED IS NOT SWITCHED VIA CONTACTOR. IF SO, DISCONNECT FROM CONTACTOR CONTROL. CONTRACTOR TO PROVIDE CIRCUITS IN QUANTITIES SHOWN FROM BEST BUY PANELS. LOCATE NEAREST PANEL WITH SUFFICIENT SPARE BREAKER SPACE FOR CIRCUIT QUANTITIES SHOWN. CIRCUITS FORMERLY FEEDING GONDOLAS THAT HAVE BEEN DEMO'D TO ACCOMMODATE NEW VENDOR PAD MAY BE RE-USED PROVIDED THEY

CONDUCTORS CAN BE PROVIDED FOR THE DROP AND ON TO FLATWIRE. IF NEW FEED IS PROVIDED DROP MAY OCCUR ALONG PERIMETER WALL, NEAREST COLUMN OR GONDOLA. PROVIDE SURFACE MOUNTED EMT, PAINTED TO MATCH SURROUNDING FINISHES, TO FLOOR LEVEL. PROVIDE POWER TRANSITION BLOCK FOR CONVERSION FROM STANDARD WIRING TO FLATWIRE. IF COLUMN IS USED FOR DROP PLACE TRANSITION BLOCK AT BASE OF COLUMN ON VERTICAL SURFACE. IF PERIMETER WALL IS USED PLACE TRANSITION BLOCK AT FLOOR UNDER BASE DECK OF GONDOLA. TAKE CARE TO ALLOW FOR REPLACEMENT

ARE DEDICATED TO VENDOR PAD. DO NOT SHARE CIRCUITS WITH OTHER AREAS/GONDOLAS. WHEN PROVIDING NEW CIRCUITS FROM EXISTING PANELS PROVIDE #8 AWG FROM PANEL TO OVERHEAD DROP POINT. #12

REFER TO FLATWIRE INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND INSTALLATION

DIRECT CONNECTING RECEPTACLE MUST BE ORIENTED AS SHOWN ON PLANS. NO EXCEPTIONS.

STORES WITH EXISTING FLATWIRE FEEDS TO PAD LOCATION EC TO INTERCEPT EXISTING FLATWIRE AND EXTEND TO NEW LAYOUT AS SHOWN. FOR EXTENSION OF FLATWIRE, PULL BACK EXISTING TOP SHIELD AND SPLICE EXISTING FLATWIRE. SEE DETAIL #4/E1.0. CRIMP FLAT CONDUCTORS TOGETHER AND REPLACE TOP SHIELD.

FLATWIRE MUST BE RUN UNDER CARPET SQUARES NO LARGER THAN 3'x3'. IF DROP POINT OR COLUMN IS 3' OR LESS FROM NEW PAD FLATWIRE MAY BE RUN UNDER EXISTING CARPET. FOR RUNS EXCEEDING 3' NEW CARPET TILES MUST BE PROVIDED ALONG LENGTH OF FLATWIRE RUN.

NOTE:

14'-4"

ALL DIMENSIONS ARE FROM EDGE OF CARPET PAD.

DCR'S MUST BE ORIENTED AS SHOWN

5'-10"

- 0 0

4'-4 1/2"

ALL FLATWIRE COMPONENTS WILL BE FURNISHED BY APPLE AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

ALL APPLE PAD FLATWIRE MATERIALS NOT PROVIDED BY OTHERS ARE TO BE PURCHASED BY CONTRACTOR THROUGH ANIXTER IN MINNEAPOLIS. DEAN NELSON - (763) 656-4004

ALL AMP COMPONENTS ARE U.L. AND CSA LISTED.

19292 9/30/2016

12/15/2014

PROJECT#: 415752-040

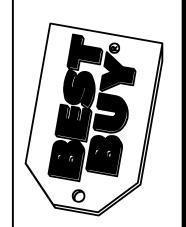
SQ. FT. CALCS 47,958 SF

45K C3-2 CONCEPT DATE:

04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

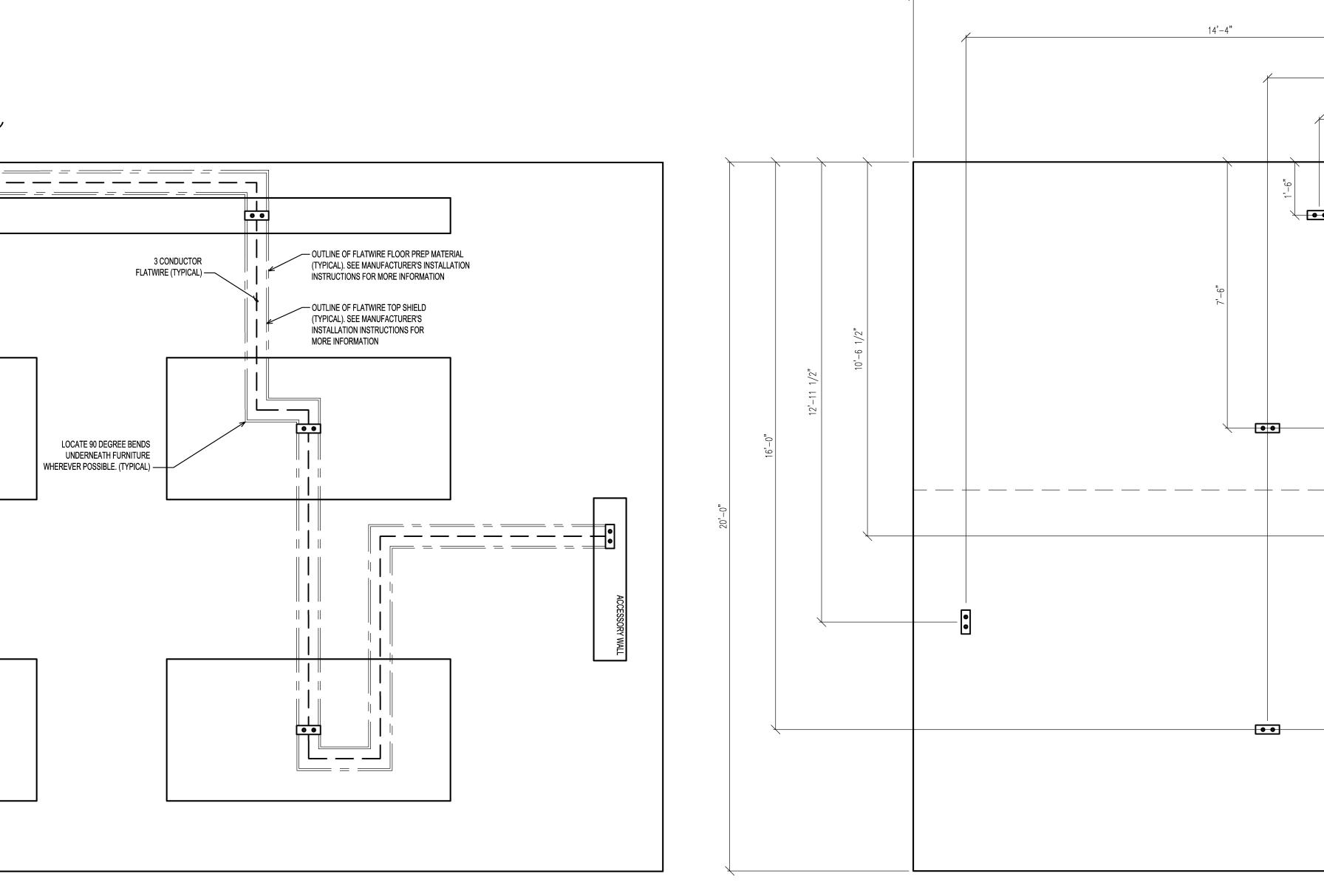
G.O. -13 FINAL REL. XX.XX.10 PROTOTYPE DATE:

02/12/2014 STORE NUMBER:



PERMIT SET

12/12/2014

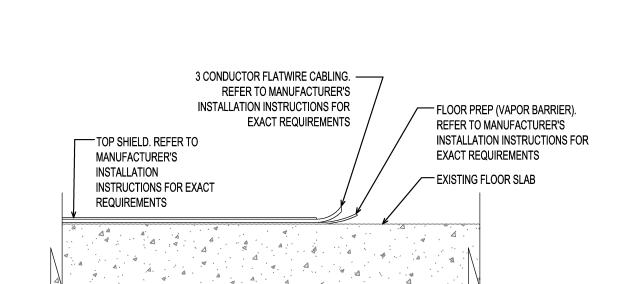


POWER MICRO-BOX (2111560-1) —

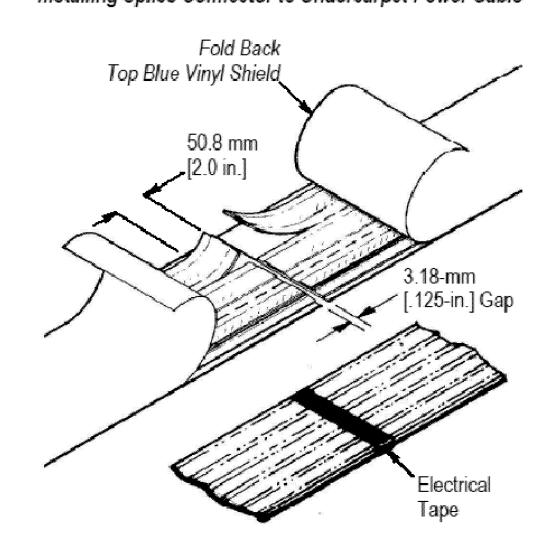
TO BE MOUNTED UNDER GONDOLA. SEE E1.0

(DIRECT CONNECTING RECEPTACLE - TYPICAL)

OR INSERT



Installing Splice Connector to Undercarpet Power Cable



GENERAL NOTES:

- ALL FLATWIRE COMPONENTS TO BE INSTALLED BY ELECTRICAL CONTRACTOR. SEE STORE LIST ON THIS SHEET FOR LOCATIONS WHERE FLATWIRE IS FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- POWER FLATWIRE IS BEING FURNISHED AS A KIT OF PARTS.

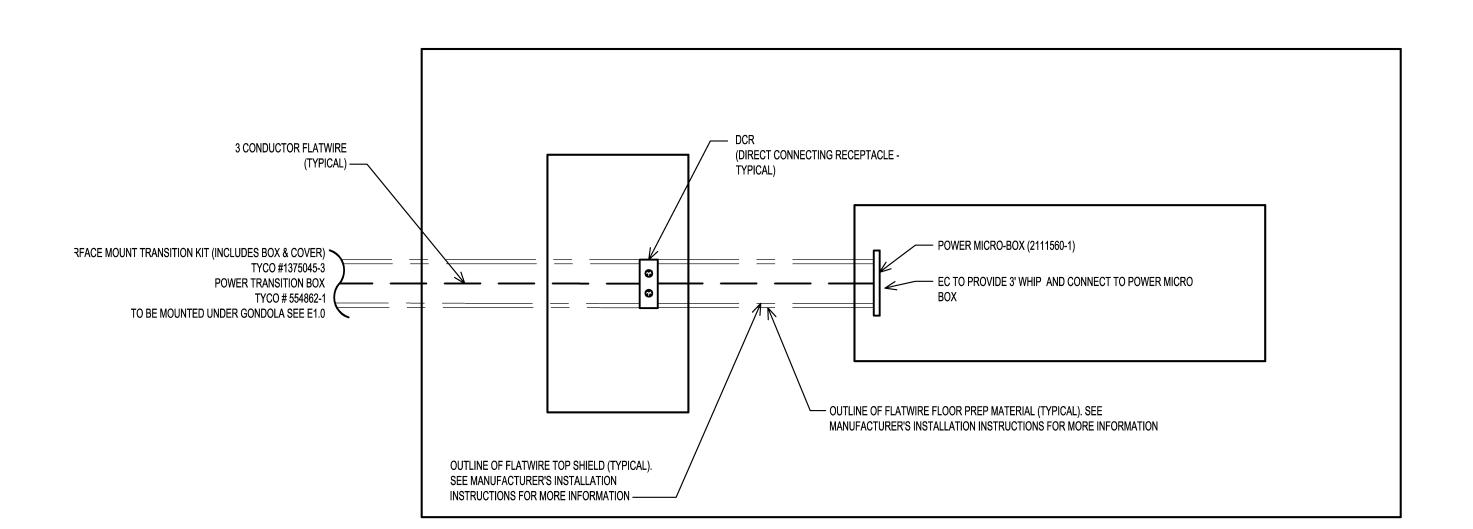
CONTRACTOR TO PROVIDE STANDARD BOXES, RECEPTACLES, AND WIRING AS REQUIRED FOR COMPLETE

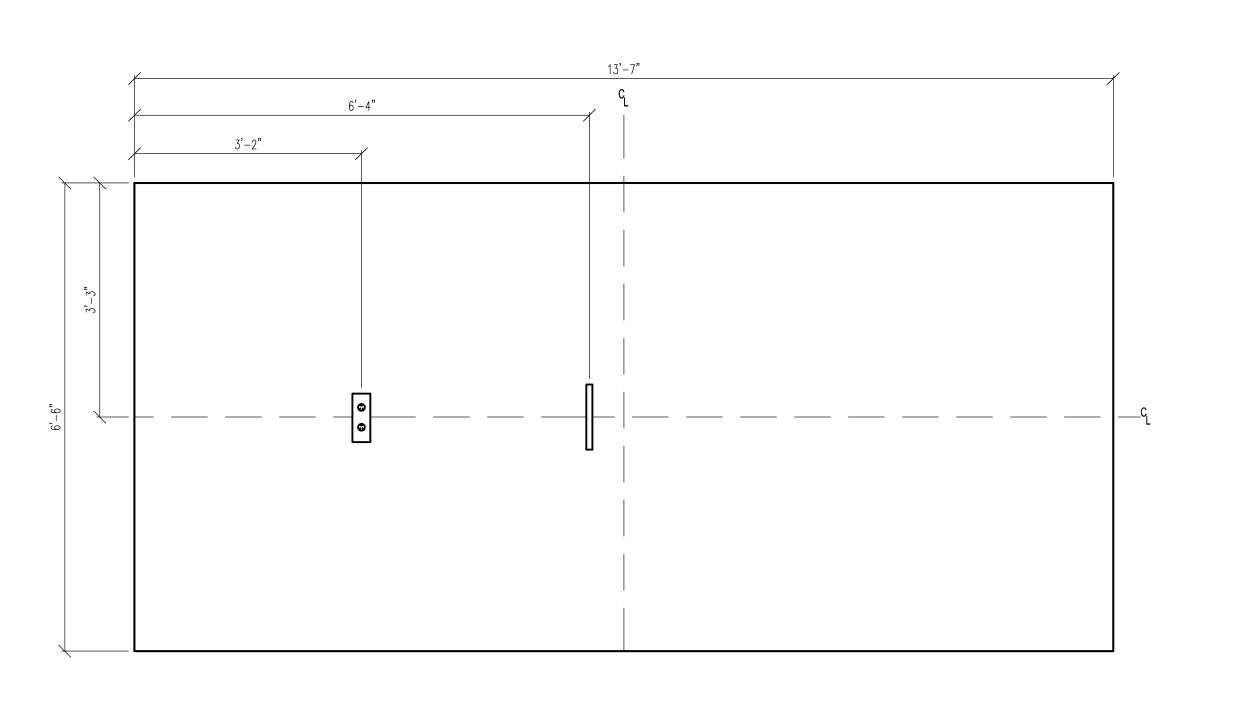
- ELECTRICAL CONTRACTOR MUST VERIFY BEFORE RE-USE OF EXISTING CIRCUITING THAT PAD IS BEING SUPPLIED WITH DEDICATED, 20A CIRCUIT. APPLE PAD CANNOT SHARE CIRCUITS WITH ANY DISPLAYS, EXISTING DEVICES, OR GONDOLAS. PROVIDE NEW CIRCUITS AS REQUIRED. CONTRACTOR SHALL ALSO VERIFY ANY CIRCUIT TO BE RE-USED IS NOT SWITCHED VIA CONTACTOR. IF SO, DISCONNECT FROM CONTACTOR CONTROL.
- CONTRACTOR TO PROVIDE CIRCUITS IN QUANTITIES SHOWN FROM BEST BUY PANELS. LOCATE NEAREST PANEL WITH SUFFICIENT SPARE BREAKER SPACE FOR CIRCUIT QUANTITIES SHOWN. CIRCUITS FORMERLY FEEDING GONDOLAS THAT HAVE BEEN DEMO'D TO ACCOMMODATE NEW VENDOR PAD MAY BE RE-USED PROVIDED THEY ARE DEDICATED TO VENDOR PAD. DO NOT SHARE CIRCUITS WITH OTHER AREAS/GONDOLAS. WHEN PROVIDING NEW CIRCUITS FROM EXISTING PANELS PROVIDE #8 AWG FROM PANEL TO OVERHEAD DROP POINT. #12 CONDUCTORS CAN BE PROVIDED FOR THE DROP AND ON TO FLATWIRE.
- IF NEW FEED IS PROVIDED, DROP MAY OCCUR ALONG PERIMETER WALL, NEAREST COLUMN OR GONDOLA. PROVIDE SURFACE MOUNTED EMT, PAINTED TO MATCH SURROUNDING FINISHES, TO FLOOR LEVEL. PROVIDE POWER TRANSITION BLOCK FOR CONVERSION FROM STANDARD WIRING TO FLATWIRE. IF COLUMN IS USED FOR DROP PLACE TRANSITION BLOCK AT BASE OF COLUMN ON VERTICAL SURFACE. IF PERIMETER WALL IS USED PLACE TRANSITION BLOCK AT FLOOR UNDER BASE DECK OF GONDOLA. TAKE CARE TO ALLOW FOR REPLACEMENT OF GONDOLA IN SAME LOCATION.
- REFER TO FLATWIRE INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND INSTALLATION REQUIREMENTS.
- STORES WITH EXISTING FLATWIRE FEEDS TO PAD LOCATION EC TO INTERCEPT EXISTING FLATWIRE AND EXTEND TO NEW LAYOUT AS SHOWN. FOR EXTENSION OF FLATWIRE, PULL BACK EXISTING TOP SHIELD AND SPLICE EXISTING FLATWIRE. SEE DETAIL #4/E1.0. CRIMP FLAT CONDUCTORS TOGETHER AND REPLACE TOP SHIELD.
- FLATWIRE MUST BE RUN UNDER CARPET SQUARES NO LARGER THAN 3'x3'. IF DROP POINT OR COLUMN IS 3' OR LESS FROM NEW PAD FLATWIRE MAY BE RUN UNDER EXISTING CARPET. FOR RUNS EXCEEDING 3' NEW CARPET TILES MUST BE PROVIDED ALONG LENGTH OF FLATWIRE RUN.
- DIRECT CONNECTING RECEPTACLE MUST BE ORIENTED AS SHOWN ON PLANS. NO EXCEPTIONS.

ALL FLATWIRE COMPONENTS WILL BE FURNISHED BY APPLE AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

ALL APPLE PAD FLATWIRE MATERIALS NOT PROVIDED BY OTHERS ARE TO BE PURCHASED BY CONTRACTOR THROUGH ANIXTER IN MINNEAPOLIS. DEAN NELSON - (763) 656-4004

ALL AMP COMPONENTS ARE U.L. AND CSA LISTED.





ALL DIMENSIONS ARE FROM EDGE OF CARPET PAD. DCR'S MUST BE ORIENTED AS SHOWN

APPLE MOBILITY PAD FLATWIRE ROUTING

3/4" = 1'-0"

2 APPLE MOBILITY PAD DEVICE DIMENSIONS

3/4" = 1'-0"

19292 9/30/2016

12/15/2014

PROJECT#: 415752-040 SQ. FT. CALCS 47,958 SF

7,635 SF

45K C3-2 CONCEPT DATE: 04/21/2014

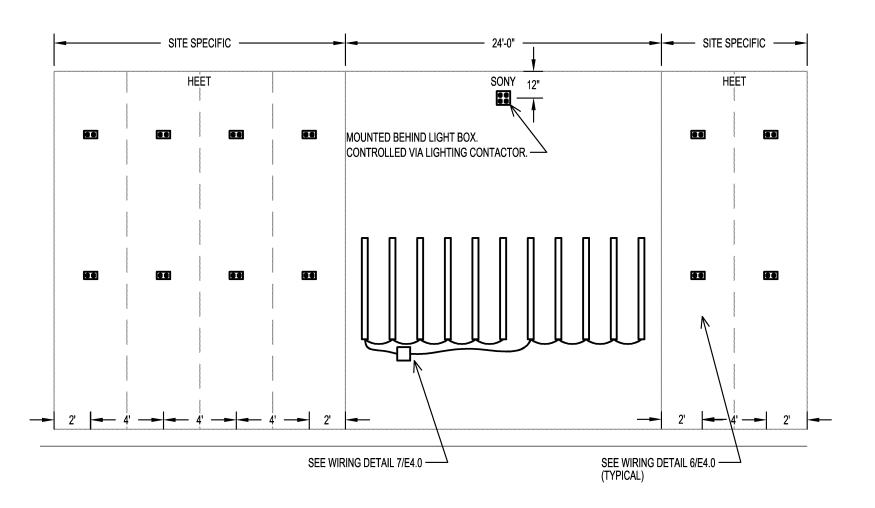
G.O. -21 FIXTURE REL. XX.XX.10 G.O. -13 FINAL REL.

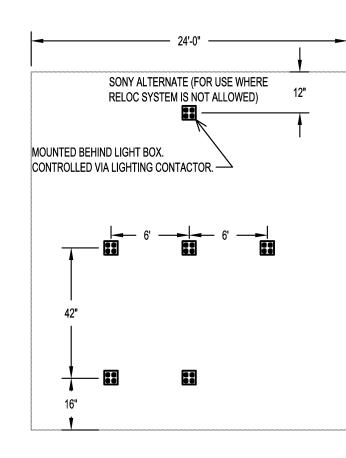
XX.XX.10 PROTOTYPE DATE: 02/12/2014

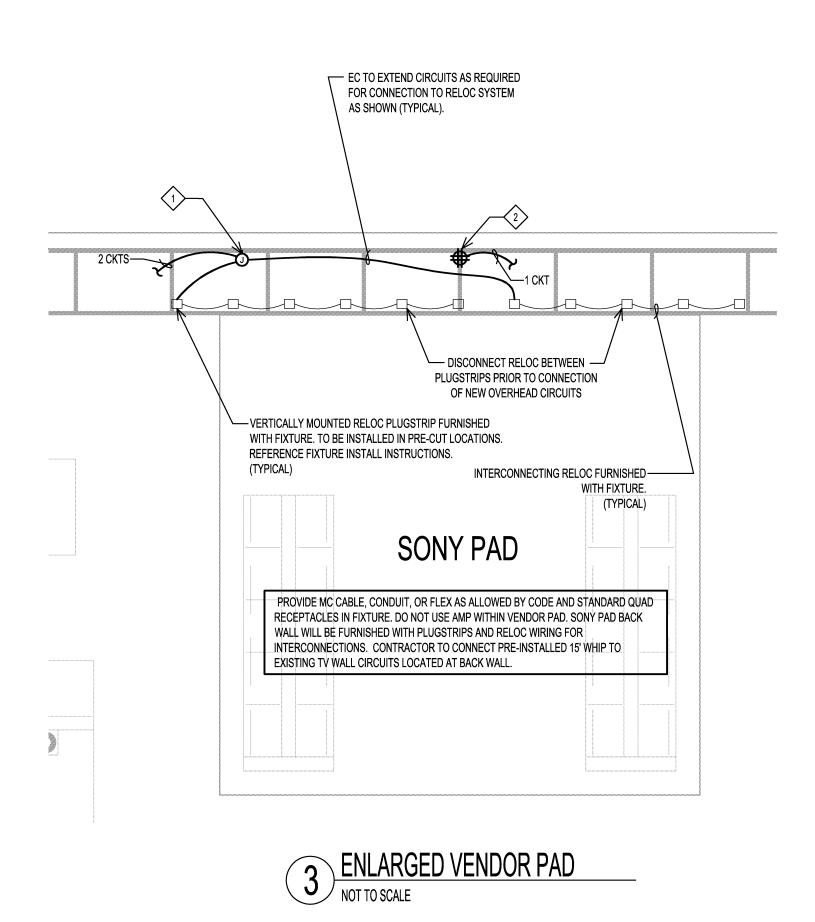
STORE NUMBER:



PERMIT SET 12/12/2014







GENERAL NOTES

- CONDUITS, RACEWAYS, ELECTRICAL DUCTS & BOXES AND EXPOSED LOW VOLTAGE WIRE SHALL BE RUN TRUE, PLUMB AND SQUARE TO THE BUILDING AND TIGHTLY WRAPPED OR FASTENED TO STRUCTURE. LOW VOLTAGE RUNS OR EXPOSED WIRE MUST BE HIDDEN FROM VIEW AND TIE WRAPPED TO THE STRUCTURE WITH WHITE WRAPS. TIE WRAPS MUST BE UNIFORMLY SPACED WITH ENOUGH WRAPS TO PREVENT WIRE FROM SAGGING. UNDER NO CIRCUMSTANCES CAN EXPOSED WIRE BE RUN IN FREE AIR OR DIAGONALLY. ELECTRICAL BOXES ON OPPOSITE SIDES OF FIRE RATED WALL SHALL BE SEPARATED BY A MINIMUM OF 24".
- USE PLENUM RATED CABLE, CONDUIT, BOXES, ETC. IN AIR PLENUM WALLS AND CEILINGS. ALL PENETRATIONS OF FIRE RATED WALLS ARE TO BE COMPLETELY FIRE SEALED. RUN ELECTRICAL EQUIPMENT, CONDUIT AND WIRING ABOVE BOTTOM OF JOISTS AND AS TIGHT TO THE DECK AS POSSIBLE, COORDINATE THIS WORK WITH OTHER TRADES BEFORE
- THE ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE RATINGS OF NEW OR RELOCATED LIGHTS, SIGNS, COMPACTORS, RTU'S, EXHAUST FANS, MOTORS, ETC. TO AVOID ANY DAMAGE TO EQUIPMENT WHEN ENERGIZED. IT WILL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY BEING CONNECTED TO THE WRONG VOLTAGE AT NO COST TO BEST BUY.
- BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AT JUNCTIONS, DEVICES, SPLICES AND TERMINATIONS. WHEN A NEUTRAL CONDUCTOR IS REQUIRED, THE NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH CORRESPONDING PHASE CONDUCTOR WHICH FORMS THE BRANCH CIRCUIT.
- ISOLATED GROUND CIRCUIT MUST HAVE A SEPARATE GROUNDING WIRE AS A DEDICATED GROUND (NOT NEUTRAL). ALL GROUND WIRES SHALL BE CONNECTED TO A COMMON ISOLATED GROUND BUS AT THE PANELBOARD.
- OUTLET HEIGHTS WILL BE TO CENTER OF OUTLET, UNLESS OTHERWISE NOTED. DO NOT SCALE FROM THIS PLAN. USE SITE SPECIFIC MAP FOR FIXTURE LOCATIONS.
- 0. ALL RECEPTACLES SHALL BE 20 AMP, UNLESS OTHERWISE NOTED. . WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE, EQUIPMENT GROUND CONDUCTORS, WHERE INSTALLED, SHALL BE INCREASED IN SIZE PROPORTIONATELY ACCORDING TO CIRCULAR MIL. AREA OF THE UNGROUNDED CONDUCTORS. . PROVIDE BRUSHED STAINLESS STEEL WALL COVER PLATES.
- CONTRACTOR TO VERIFY CIRCUITS ARE UNSWITCHED VIA EMS PRIOR TO RE-USE FOR GONDOLA POWER. ONLY UNSWITCHED CIRCUITS MAY BE RE-USED FOR GONDOLA POWER. DISCONNECT SWITCHED CIRCUITS BEING RE-PURPOSED FROM EMS CONTROL PRIOR TO RE-USE. VERIFY CIRCUIT IS NOT BEING USED IN OTHER AREAS PRIOR TO REMOVAL FROM EMS AND RE-USE. FLOOR BOXES ARE EXISTING TO REMAIN. REMOVE COVER AND POLISH BRASS. REINSTALL COVER OVER NEW FLOORING. IF COVER IS BROKEN, REPLACE WITH EXISTING COVER FROM UNDER
- GONDOLA. IF NONE AVAILABLE FOR REUSE, PROVIDE NEW MATCHING COVER AS REQUIRED. 5. IF PRE-MANUFACTURED WIRING SYSTEMS (MC CABLE, AMPINNERGY, RELOC SYSTEMS) ARE NOT ALLOWED BY AUTHORITY HAVING JURISDICTION PROVIDE EMT CONDUIT AND FLEX AS
- ALLOWED BY CODE. TURN OVER ANY UNUSED AMPINNERGY PRODUCTS TO BEST BUY. 16. IF STORE UTILIZES EXISTING TRENCH POWER PROVIDE NEW OVERHEAD CIRCUITS TO FIXTURES IN HOME THEATER TRANSFORMATION AREA. DO NOT RE-USE TRENCH SYSTEM.
- 7. ALL EXPOSED CONDUIT TO BE PAINTED WHITE PRIOR TO INSTALLATION. 18. IF FIXTURE EXTENSIONS ARE NOT AVAILABLE, EC TO PROVIDE EMT DROPS TO FIXTURE. PROVIDE 3/4" EMT FOR POWER AND 1" EMT WITH PULLSTRING AND NYLON BUSHINGS FOR LOW
- REFERENCE HOME THEATER MASTER STORE LIST ON PROJECTMATES. FOR SCOPE QUESTIONS ASK BBY CPM. 20. MARK J-BOXES AT DECK IF FOUND TO BE CONTROLLED BY EMS SYSTEM FOR FUTURE REFERENCE.

POWER PLAN KEYED NOTES

VOLTAGE AT EACH DROP LOCATION.

- LOCATE EXISTING JUNCTION BOX ON WALL FOR FORMER TELEVISION DISPLAY. PROVIDE CONNECTION TO RELOC SYSTEM. EXTEND ADDITIONAL CIRCUITS ALONG TOP OF DISPLAY TO CONNECT WITH VENDOR PROVIDED RELOC SYSTEM.
- LED SIGN IN HEADER ABOVE. CIRCUIT VIA LIGHTING CONTACTOR. DO NOT USE RELOC SYSTEM FOR CONNECTION. VERIFY EXISTING CONTROLS, PROVIDE PILOT RELAY(S) AND CONTACTOR(S) AS REQUIRED. ALL SIGNAGE AND DISPLAY LIGHTING (BACK LIGHTING) TO BE CONTROLLED VIA EMS.

REFER TO SITE SPECIFIC AFTER MAP FOR SITE SPECIFIC SECTION CONFIGURATION.



PROJECT#: 415752-040 SQ. FT. CALCS

47,958 SF

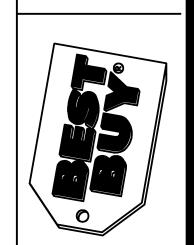
45K C3-2 CONCEPT DATE:

04/21/2014 G.O. -21 FIXTURE REL.

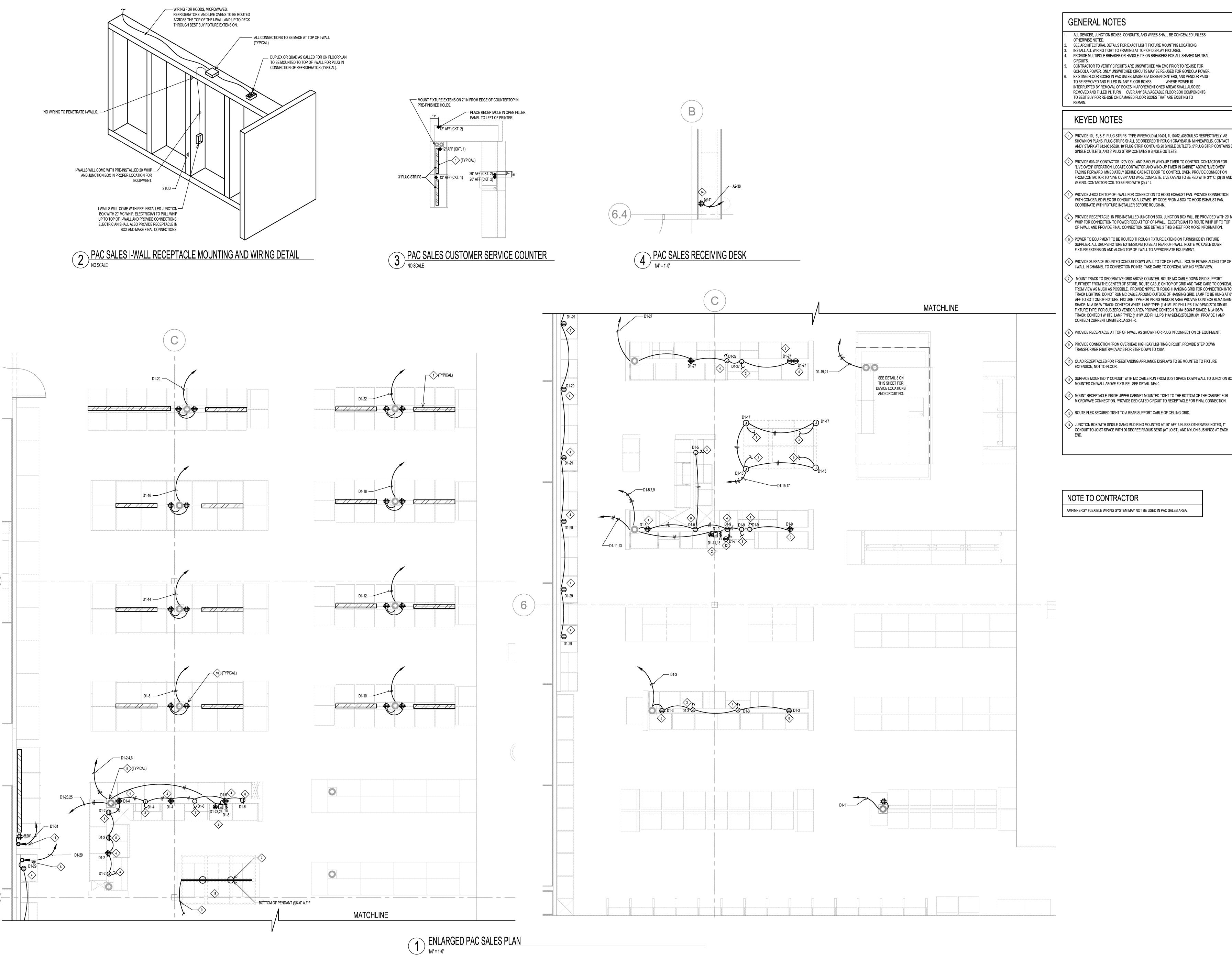
XX.XX.10 G.O. -13 FINAL REL.

XX.XX.10 PROTOTYPE DATE: 02/12/2014

> STORE NUMBER: 0150



PERMIT SET 12/12/2014



GENERAL NOTES

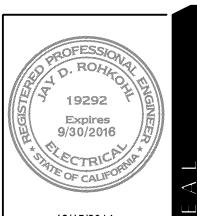
- ALL DEVICES, JUNCTION BOXES, CONDUITS, AND WIRES SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL DETAILS FOR EXACT LIGHT FIXTURE MOUNTING LOCATIONS. INSTALL ALL WIRING TIGHT TO FRAMING AT TOP OF DISPLAY FIXTURES. PROVIDE MULTIPOLE BREAKER OR HANDLE-TIE ON BREAKERS FOR ALL SHARED NEUTRAL
- CONTRACTOR TO VERIFY CIRCUITS ARE UNSWITCHED VIA EMS PRIOR TO RE-USE FOR GONDOLA POWER. ONLY UNSWITCHED CIRCUITS MAY BE RE-USED FOR GONDOLA POWER. EXISTING FLOOR BOXES IN PAC SALES, MAGNOLIA DESIGN CENTERS, AND VENDOR PADS TO BE REMOVED AND FILLED IN. ANY FLOOR BOXES WHERE POWER IS
- INTERRUPTED BY REMOVAL OF BOXES IN AFOREMENTIONED AREAS SHALL ALSO BE REMOVED AND FILLED IN. TURN OVER ANY SALVAGEABLE FLOOR BOX COMPONENTS TO BEST BUY FOR RE-USE ON DAMAGED FLOOR BOXES THAT ARE EXISTING TO

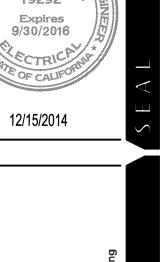
KEYED NOTES

- 1 PROVIDE 10', 5', & 3' PLUG STRIPS, TYPE WIREMOLD #L10401, #L10402, #3609ULBC RESPECTIVELY, AS SHOWN ON PLANS. PLUG STRIPS SHALL BE ORDERED THROUGH GRAYBAR IN MINNEAPOLIS. CONTACT ANDY STARK AT 612-963-5828. 10' PLUG STRIP CONTAINS 20 SINGLE OUTLETS, 5' PLUG STRIP CONTAINS 8 SINGLE OUTLETS, AND 3' PLUG STRIP CONTAINS 9 SINGLE OUTLETS.
- 2 PROVIDE 60A-2P CONTACTOR 120V COIL AND 2-HOUR WIND-UP TIMER TO CONTROL CONTACTOR FOR "LIVE OVEN" OPERATION. LOCATE CONTACTOR AND WIND-UP TIMER IN CABINET ABOVE "LIVE OVEN" FACING FORWARD IMMEDIATELY BEHIND CABINET DOOR TO CONTROL OVEN. PROVIDE CONNECTION FROM CONTACTOR TO "LIVE OVEN" AND WIRE COMPLETE. LIVE OVENS TO BE FED WITH 3/4" C. (3) #8 AND #8 GND. CONTACTOR COIL TO BE FED WITH (2) # 12.
- 3> PROVIDE J-BOX ON TOP OF I-WALL FOR CONNECTION TO HOOD EXHAUST FAN. PROVIDE CONNECTION WITH CONCEALED FLEX OR CONDUIT AS ALLOWED BY CODE FROM J-BOX TO HOOD EXHAUST FAN. COORDINATE WITH FIXTURE INSTALLER BEFORE ROUGH-IN.
- > PROVIDE RECEPTACLE IN PRE-INSTALLED JUNCTION BOX. JUNCTION BOX WILL BE PROVIDED WITH 20' MC WHIP FOR CONNECTION TO POWER FEED AT TOP OF I-WALL. ELECTRICIAN TO ROUTE WHIP UP TO TOP
- 5 POWER TO EQUIPMENT TO BE ROUTED THROUGH FIXTURE EXTENSION FURNISHED BY FIXTURE SUPPLIER. ALL DROPS/FIXTURE EXTENSIONS TO BE AT REAR OF I-WALL. ROUTE MC CABLE DOWN
- FIXTURE EXTENSION AND ALONG TOP OF I-WALL TO APPROPRIATE EQUIPMENT.
- MOUNT TRACK TO DECORATIVE GRID ABOVE COUNTER. ROUTE MC CABLE DOWN GRID SUPPORT FURTHEST FROM THE CENTER OF STORE. ROUTE CABLE ON TOP OF GRID AND TAKE CARE TO CONCEAL FROM VIEW AS MUCH AS POSSIBLE. PROVIDE NIPPLE THROUGH HANGING GRID FOR CONNECTION INTO TRACK LIGHTING. DO NOT RUN MC CABLE AROUND OUTSIDE OF HANGING GRID. LAMP TO BE HUNG AT 6' AFF TO BOTTOM OF FIXTURE: FIXTURE TYPE:FOR VIKING VENDOR AREA PROVIVE CONTECH RLMA1596N-S SHADE: MLA106-W TRACK: CONTECH WHITE. LAMP TYPE: (1)11W LED PHILLIPS 11A19/END/2700.DIM.6/1. FIXTURE TYPE: FOR SUB ZERO VENDOR AREA PROVIVE CONTECH RLMA1596N-P SHADE: MLA106-W
- 8 PROVIDE RECEPTACLE AT TOP OF I-WALL AS SHOWN FOR PLUG IN CONNECTION OF EQUIPMENT.
- 9 PROVIDE CONNECTION FROM OVERHEAD HIGH BAY LIGHTING CIRCUIT. PROVIDE STEP DOWN TRANSFORMER RIB#TRV40VA013 FOR STEP DOWN TO 120V.
- (10) QUAD RECEPTACLES FOR FREESTANDING APPLIANCE DISPLAYS TO BE MOUNTED TO FIXTURE EXTENSION, NOT TO FLOOR.
- 11> SURFACE MOUNTED 1" CONDUIT WITH MC CABLE RUN FROM JOIST SPACE DOWN WALL TO JUNCTION BOX MOUNTED ON WALL ABOVE FIXTURE. SEE DETAIL 1/E4.0.
- (12) MOUNT RECEPTACLE INSIDE UPPER CABINET MOUNTED TIGHT TO THE BOTTOM OF THE CABINET FOR MICROWAVE CONNECTION. PROVIDE DEDICATED CIRCUIT TO RECEPTACLE FOR FINAL CONNECTION.
- (13) ROUTE FLEX SECURED TIGHT TO A REAR SUPPORT CABLE OF CEILING GRID.
- JUNCTION BOX WITH SINGLE GANG MUD RING MOUNTED AT 20" AFF, UNLESS OTHERWISE NOTED, 1" CONDUIT TO JOIST SPACE WITH 90 DEGREE RADIUS BEND (AT JOIST), AND NYLON BUSHINGS AT EACH

NOTE TO CONTRACTOR

AMPINNERGY FLEXIBLE WIRING SYSTEM MAY NOT BE USED IN PAC SALES AREA.





PROJECT#: 415752-040 SQ. FT. CALCS

7,635 SF

47,958 SF

58,531 SF 45K C3-2

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STORE NUMBER: 0150



PERMIT SET 12/12/2014

MSB Voltage: 277/480v, 3Ph, 4w Panel: Code Code Code Code L- VA C- VA R - VA M - VA E - VA L-VA C-VA R-VA M-VA E-VA / 3 -B- 4 11080 0 0 0 0 3 5 -C- 6 3 24515 0 0 0 0 **EXISTING AC-2** 400 7 - A - 8 200 **EXISTING HB** / 9 -B- 10 / 25441 0 0 0 0 3 11 - C - 12 3 24203 0 0 0 0 18000 49440 10980 200 EXISTING DP **EXISTING HDR-1** 400 13 - A - 14 30/ 15150 55400 3000 2000 0 13720 53060 11880 1720 0 / 15 - B - 16 2 3 17 - C - 18 SPACE 18000 49440 10980 200 0 Main - A - | Through 15150 55400 3000 2000 Breaker - B - Feed Lug 13720 53060 11880 1720 0 NONE - C - Conn - A - B - - C - Total Bus KVA loads Dmd Conn Lighting - Code L 189.7 46.9 78.6 75.6 80.4 234.6 Connected KVA Totals Convenience Receptacles (180 W) - Code C 84.0 157.9 Panelboard Notes: 1 - E.C. TO BALANCE EACH PHASE WITHIN 10% Receptacles (Non Convenience) - Code R 25.9 25.9 0 125% Largest Motor Motors - Code M 3.9 3.9 Electric Heat - Code E 0.0 0.0 Total KVA 303.4 234.6 Spare = 0% Spare KVA EXISTING : Mounting Adjusted KVA (Demand + Spare KVA) 303 EXISTING : Amps AIC Rating Adjusted Amps (Demand + Spare KVA) 1,200 : Amp Rating of Bus : Panel Amp Rating (Min Main Project Number: Project Name File Name: 415752-040 BEST BUY-SAN BERNARDINO, CA PANEL MDP : Phase to Phase Voltage 12/15/2014 HA 277/480v, 3Ph, 4w Panel: L-VA C-VA R-VA M-VA E-VA L-VA C-VA R-VA M-VA E-VA 20/1 1 - A - 2 20/ SALES LIGHTING 20/1 9 - B - 10 20/1 SPARE SPARE SPARE 20/1 11 - C - 12 20/1 SPARE SPARE 20/1 15 - B - 16 20/1 SPARE 20/1 17 - C - 18 20/1 20/1 19 - A - 20 20/1 SPARE SPARE SPARE 20/1 21 - B - 22 20/1 20/1 23 - C - 24 20/1 SALES LIGHTING **EXIST. EXTERIOR LIGHTING** SALES LIGHTING EXIST. EXTERIOR LIGHTING **EXIST. OFFICE LIGHTING** SPARE EXIST. OFFICE LIGHTING SPARE 20/1 29 - C - 30 20/1 EXIST. TRAINING RM. LIGHTING SPARE 20/1 35 - C - 36 20/1 20/1 37 - A - 38 20/1 SPARE SPARE SPARE SPARE 20/1 39 - B - 40 20/1 20/1 41 - C - 42 20/1 Main - A - Through Breaker - B - Feed Lug 11080 0 0 0 0 - C - Conn -A- -B- -C- Total Bus KVA loads Dmd Conn 8.9 10.7 11.1 30.7 Connected KVA Totals Lighting - Code L 38.4 30.7 Convenience Receptacles (180 W) - Code C Panelboard Notes: 1 - E.C. TO BALANCE EACH PHASE WITHIN 10% Receptacles (Non Convenience) - Code R 0 125% Largest Motor Motors - Code M 0.0 0.0 Electric Heat - Code E 0.0 0.0 Total KVA 38.4 30.7 Spare = 0% Spare KVA 0 EXISTING : Mounting Adjusted KVA (Demand + Spare KVA) 38 EXISTING : Amps AIC Ratin Adjusted Amps (Demand + Spare KVA) 46 : Amp Rating of Bus Date: : Panel Amp Rating (Min Main roject Number: Project Name |File Name: PANEL HA BEST BUY-SAN BERNARDINO, CA 480 : Phase to Phase Voltage 277/480v, 3Ph, 4w | Code | Code | Code | Code | Code | L- VA | C- VA | R - VA | M - VA | E - VA | | Code | Code | Code | Code | Code | L- VA | C- VA | R - VA | M - VA | E - VA 20/1 3 - B - 4 20/1 SPARE SALES LIGHTING 20/1 SPARE SALES LIGHTING 20/1 7 - A - 8 20/1 SPARE 20/1 9 - B - 10 20/1 SPARE SPARE SPARE SALES LIGHTING **WAREHOUSE LIGHTING** SALES LIGHTING SPARE SPARE SALES LIGHTING EXISTING RECEIVING **EXISTING RECEIVING LTG** FXISTING ISC/RESTROOM LTG EXISTING RECEIVING LTG. HUB LIGHTING SPARE EXISTING PARKING LOT LIGHTING EMERGENCY/SECURITY LTG EXISTING PARKING LOT LIGHTING 20/1 33 - B - 34 20/1 EXISTING PARKING LOT LIGHTING 20/1 37 - A - 38 20/1 EXISTING PARKING LOT LIGHTING EXISTING PARKING LOT LIGHTING | 20/1 | 39 - B - | 40 | 20/1 | EXISTING PARKING LOT LIGHTING | 4432 EXISTING PARKING LOT LIGHTING 20/1 41 - C - 42 20/1 EXISTING PARKING LOT LIGHTING 4432 -B - Feed Lug Breaker Conn -A- -B- -C- Total Dmd Conn Bus KVA loads 24.5 25.4 24.2 74.2 Connected KVA Totals Lighting - Code L Panelboard Notes: onvenience Receptacles (180 W) - Code C 1 - E.C. TO BALANCE EACH PHASE WITHIN 10% Receptacles (Non Convenience) - Code R 0 125% Largest Motor Motors - Code M 0.0 Electric Heat - Code E 0.0 0.0 Total KVA 92.7 Spare = 0% Spare KVA 0 EXISTING : Mounting Adjusted KVA (Demand + Spare KVA) 93 EXISTING : Amps AIC Ratin Adjusted Amps (Demand + Spare KVA) : Amp Rating of Bus : Panel Amp Rating (Min Mai roject Number: Project Name 480 : Phase to Phase Voltage 415752-040 BEST BUY-SAN BERNARDINO, CA PANEL HA 12/15/2014 DP Voltage: 277/480v, 3Ph, 4w Panel: Code Code Code Code L-VA C-VA R-VA M-VA E-VA L-VA C-VA R-VA M-VA E-VA 720 19500 500 13830 1240 2500 2000 0 12400 1760 3300 1000 0 3 17 - C - 18 3 Breaker - B - Feed Lug 13720 53060 11880 1720 0 Conn -A- -B- -C- Total Bus KVA loads Dmd Conn 78.6 75.6 80.4 234.6 Connected KVA Totals Lighting - Code L 58.6 46.9 Panelboard Notes: Convenience Receptacles (180 W) - Code C 1 - E.C. TO BALANCE EACH PHASE WITHIN 10% Receptacles (Non Convenience) - Code R 25.9 Motors - Code M 3.9 0 125% Largest Moto Electric Heat - Code E 0.0 0.0 Total KVA 172.3 234.6 Spare KVA Adjusted KVA (Demand + Spare KVA) EXISTING : Amps AIC Rating Adjusted Amps (Demand + Spare KVA) **Amp Rating of Bus** : Panel Amp Rating (Min Main 480 : Phase to Phase Voltage 415752-040 BEST BUY-SAN BERNARDINO, CA 12/15/2014

DISPLAY RCPTS EXIST. DISPLAY RCPTS DISPLAY RCPTS EXIST. DISPLAY RCPTS DISPLAY RCPTS. EXIST. DISPLAY RCPTS. **EXISTING PANEL "A2"** 150 37 - A - 38 20/1 SPARE 3 41 - C - 42 20/1 17880 Breaker - B - Feed Lug 0 17700 0 0 0 Conn - A - | - B - | - C - | Total | Bus KVA loads Dmd Conn 16.9 17.9 17.7 52.5 Connected KVA Totals Lighting - Code L 0.0 Convenience Receptacles (180 W) - Code C 31.2 Panelboard Notes: Receptacles (Non Convenience) - Code R 1 - E.C. TO BALANCE EACH PHASE WITHIN 10% Total KVA 31.2 52.5 Spare = 0% Spare KVA 0 Adjusted KVA (Demand + Spare KVA) 31 EXISTING EXISTING : Amps AIC Rating Adjusted Amps (Demand + Spare KVA) : Amp Rating of Bus : Panel Amp Rating (Min Main) Project Number: Project Name File Name 415752-040 BEST BUY-SAN BERNARDINO, CA PANEL A1 208 : Phase to Phase Voltage 12/15/2014 Voltage: 120/208v, 3Ph, 4w Panel: L-VA C-VA R-VA M-VA E-VA L-VA C-VA R-VA M-VA E-VA EXIST. VIDEO RM #1 RCPTS. 20/1 1 - A - 2 20/1 EXIST. SPEAKER ROOM RCPT. EXIST. VIDEO RM #1 RCPTS. 20/1 3 - B - 4 20/1 EXIST. SPEAKER ROOM RCPT. EXIST. VIDEO RM #1 RCPTS. | 20/1 | 5 | - C - | 6 | 20/1 | EXIST. SPEAKER ROOM RCPT. EXIST. VIDEO RM #1 RCPTS. | 20/1 | 7 | - A - | 8 | 20/1 | EXIST. SPEAKER ROOM RCPT. EXIST. VIDEO RM #2 RCPTS. | 20/1 | 9 | - B - | 10 | 20/1 | EXIST. SPEAKER ROOM RCPT. EXIST. VIDEO RM #2 RCPTS. | 20/1 | 11 | - C - | 12 | 20/1 | EXIST. COLUMN RCPT. EXIST. VIDEO RM #2 RCPTS. | 20/1 | 13 | - A - | 14 | 20/1 | EXIST. COLUMN RCPT. EXIST. VIDEO RM #2 RCPTS. | 20/1 | 15 | - B - | 16 | 20/1 | EXIST. COLUMN RCPT. EXIST. VIDEO RM #2 RCPTS. | 20/1 | 17 | - C - | 18 | 20/1 EXIST. ALARM SYSTEM 20/1 19 - A - 20 20/1 EXIST. RECEIVING RCPT. EXIST. DOOR OPERATOR 20/1 21 - B - 22 20/ EXIST. RANGE RCPT. EXIST. DOOR OPERATOR 20/1 23 EXIST. SUMP PUMP 20/1 25 - A - 26 20/1 EXIST. HOSE BIBB 20/1 27 - B - 28 20/1 EXIST. RCPTS. EXIST. RCPTS. EXIST. COLUMN RCPT. EXIST. RCPTS. EXIST. ALARM SYSTEM | 20/1 | 31 | - A - | 32 | 20/1 EXIST. RCPTS EXIST. WATER HEATER 20/ 33 - B - 34 20/1 EXIST. DISPLAY RCPTS 1200 1200 EXIST. DISPLAY RCPTS. 20/1 37 - A - 38 20/1 PAC RECEIVING DESK RECEPT HUB RECEPT 20/1 39 - B - 40 20/1 AUX WAREHOUSE RECEPT | 20/1 | 41 | - C - | 42 | 20/1 | 0 9240 0 0 0 0 9060 0 0 0 Breaker - B - Feed Lug NONE - C - Conn -A- -B- -C- Total Bus KVA loads 8.3 9.2 9.1 26.6 Connected KVA Totals Lighting - Code L Panelboard Notes: Convenience Receptacles (180 W) - Code (1 - E.C. TO BALANCE EACH PHASE WITHIN 10% Receptacles (Non Convenience) - Code R 0 125% Largest Motor Motors - Code M Electric Heat - Code E Total KVA 18.3 26.6 Spare = 0% Spare KVA

150 37 - A - 38 20/1

3 41 - C - 42 20/1

Breaker - B - Feed Lug

Conn

| 20/1 | 1 | - A - | 2 | 20/1

20/1 7 - A - 8 20/1

20/1 9 - B - 10 20/1

Voltage: 120/208v, 3Ph, 4w

DISPLAY RCPTS.

DISPLAY RCPTS.

DISPLAY RCPTS

DISPLAY RCPTS.

DISPLAY RCPTS.

DISPLAY RCPTS.

EXIST DISPLAY RCPTS

SONY HT VENDOR PAD

L-VA C-VA R-VA M-VA E-VA

Panel:

L-VA C-VA R-VA M-VA E-VA

EXISTING : Amps AIC Rating

Code Code Code Code

L-VA C-VA R-VA M-VA E-VA

9480

16780

Panelboard Notes:

600 17040 0 0 0

14.9 17.4 17.6 49.9 Connected KVA Totals

1 - E.C. TO BALANCE EACH PHASE WITHIN 10%

- A - | - B - | - C - | Total |

EXISTING : Mounting

EXISTING : Amps AIC Rating

: Amp Rating of Bus

: Panel Amp Rating (Min Main

Panel:

B1

EXIST. DISPLAY LTG

DISPLAY RCPTS.

DISPLAY RCPTS.

DISPLAY RCPTS.

DISPLAY RCPTS

DISPLAY RCPTS

DISPLAY RCPTS

DISPLAY RCPTS.

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DISPLAY RCPTS.

DISPLAY RCPTS.

EXISTING PANEL "B2"

EXIST. DISPLAY L1

EXIST. DISPLAY LT

EXIST. DISPLAY LT

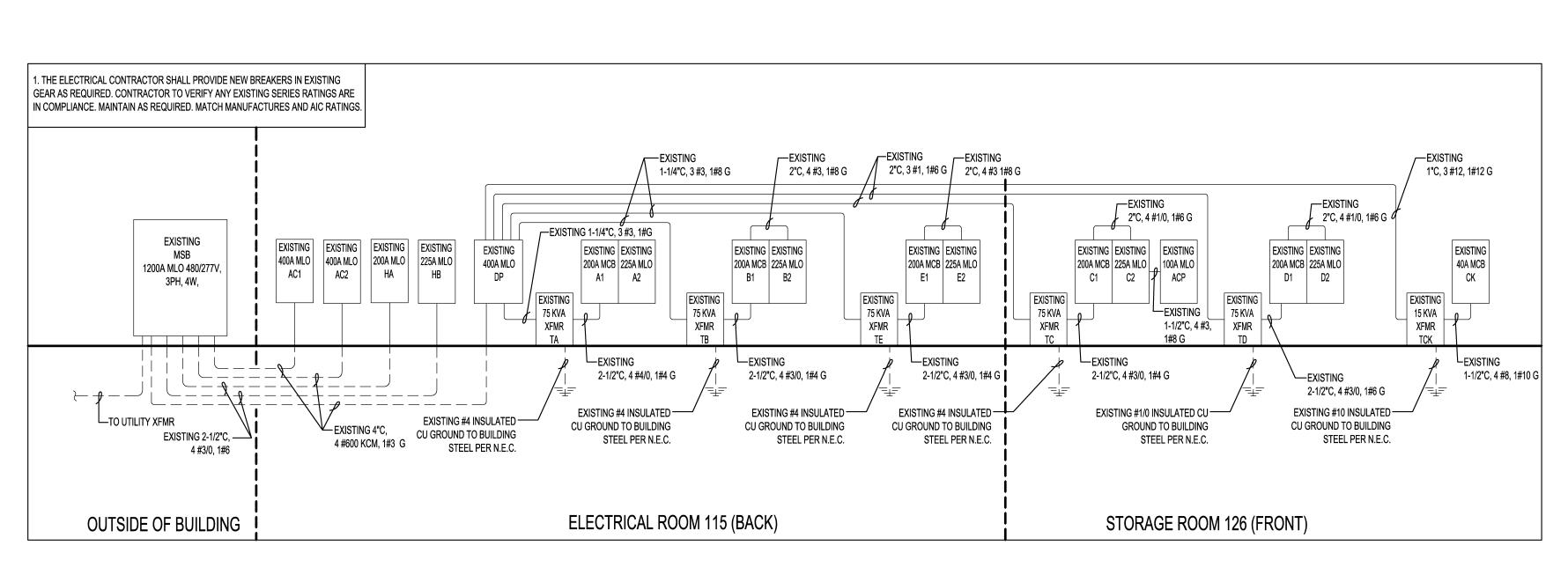
: Phase to Phase Voltage

Α1

DISPLAY RCPTS.

DISPLAY RCPTS

: Amp Rating of Bus : Panel Amp Rating (Min Main) 208 : Phase to Phase Voltage NOTE TO PLAN REVIEWER: PEAK DEMAND READING FOR PREVIOUS 12 MONTHS OF STORE OPERATION. TAKEN FROM OWNER UTILITY BILL AUG 2014 = 364KW 364KW x 1.25 = 455KW / 548AMPS PAC SALES= 31KW LIGHTING LOAD= 49KW 455+31=49= 535KW/ 644 AMPS EXISTING SERVICE IS 1,200 AMPS STORE IS BEING REMODELED AND EXISTING POWER IS BEING REDISTRIBUTED AT SALES FLOOR. OVERALL CONSUMPTION IS REMAINING THE SAME OR BEING



SERVICE RISER DIAGRAM



Voltage: 120/208v, 3Ph, 4w

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS.

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS.

EXIST. DISPLAY RCPTS

EXIST. DISPLAY LTG.

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EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS.

EXIST. DISPLAY LTG.

EXIST. DISPLAY RCPTS.

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS.

0 125% Largest Motor

415752-040 BEST BUY-SAN BERNARDINO, CA

roject Number: Project Name

20/1 41 - C - 42 20/1

- C - Conn

Breaker - B - Feed Lug

L-VA C-VA R-VA M-VA E-VA

Dmd Conn

12/15/2014

Bus KVA loads

Motors - Code M

PANEL B2

Electric Heat - Code E 0.0 0.0

Total KVA 18.5 27.0

Receptacles (Non Convenience) - Code R 0.0

Spare = 0% Spare KVA

Adjusted KVA (Demand + Spare KVA)

Adjusted Amps (Demand + Spare KVA)

Convenience Receptacles (180 W) - Code C

Panel:

EXIST. DISPLAY RCPTS.

EXIST. DISPLAY LTG.

EXIST. DISPLAY LTG.

EXIST. DISPLAY RCPTS. 20/1
EXIST. ALARM DOOR SYSTEM 20/1

L-VA C-VA R-VA M-VA E-VA

- A - B - C - Total

Panelboard Notes:

EXISTING

225

Date:

12/15/2014

Dmd Conn

12/15/2014

Bus KVA loads

Spare = 0% Spare KVA 0

PANEL B1

Adjusted KVA (Demand + Spare KVA) 32

Adjusted Amps (Demand + Spare KVA)

Motors - Code M 0.0

Electric Heat - Code E 0.0 0.0

Total KVA 31.7 49.9

Convenience Receptacles (180 W) - Code C 28.7

Receptacles (Non Convenience) - Code R

 Code
 Code
 Code
 Code
 Code

 L- VA
 C- VA
 R - VA
 M - VA
 E - VA

Adjusted KVA (Demand + Spare KVA)

Adjusted Amps (Demand + Spare KVA)

415752-040 BEST BUY-SAN BERNARDINO. CA PANEL A2

EXIST. DISPLAY LTG.

APPLE MOBILITY PAD

APPLE PAD RECEPT

APPLE PAD RECEPT

EXIST. DISPLAY LTG.

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY LTG.

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. DISPLAY LTG.

EXIST. DISPLAY RCPTS

EXIST. DISPLAY RCPTS

EXIST. FLOOR OUTLET

EXIST. FLOOR OUTLET

EXIST. FLOOR OUTLET

SPARE

SPARE

SPARE

BEST BUY-SAN BERNARDINO, CA

0 125% Largest Motor

Voltage: 120/208v, 3Ph, 4w

EXISTING

7.9 9.6 9.5 27.0 Connected KVA Totals

1 - E.C. TO BALANCE EACH PHASE WITHIN 10%

: Amps AIC Rating

208 : Phase to Phase Voltage

: Amp Rating of Bus

: Panel Amp Rating (Min Main)

SQ. FT. CALCS

PROJECT#: 415752-040 ິ47,958 SF 1,790 SF 7,635 SF

45K C3-2 CONCEPT DATE:

04/21/2014 G.O. -21 FIXTURE REL XX.XX.10 G.O. -13 FINAL REL.

XX.XX.10 PROTOTYPE DATE: 02/12/2014

STORE NUMBER: 0150

CA Bernardino, 8 Harriman F San 88

PERMIT SET

Ś

12/12/2014

IREVIDATE

PANEL SCHEDULES

			Р	anel:	D1		BEACO CONTRACTOR OF THE PERSON		Volta	age:	120/208v, 3Ph, 4w					
Code	Code	Code	Code	Code		Amp				Amp	,	Code	Code	Code	Code	Code
L- VA	C- VA	R - VA	M - VA	E - VA	Description	/pole	No.	Ph	No.	/pole	Description	L- VA	C- VA	R - VA	M - VA	E - VA
	360				PAC EMPLOYEE STATION	20/1	1	- A -	2	20/1	I-WALL DISPLAY RECEPT		1080			
	1080				I-WALL DISPLAY RECEPT	20/1	3	- B -	4	20/1	I-WALL DISPLAY RECEPT		1080			
	900				I-WALL DISPLAY RECEPT	20/1	5	- C -	6	20/1	I-WALL DISPLAY RECEPT		1080			
	1240				I-WALL DISPLAY RECEPT	20/1	7	- A -	8	20/1	APPLIANCE DISPLAY RECEPT		720			
	180				I-WALL DISPLAY RECEPT	20/1	9	- B -	10	20/1	APPLIANCE DISPLAY RECEPT		720			
		3840			LIVE OVEN	50/	11	- C -	12	20/1	APPLIANCE DISPLAY RECEPT		720			
		3840			н	2	13	- A -	14	20/1	APPLIANCE DISPLAY RECEPT		720			
		500			HOOD DISPLAY	20/1	15	- B -	16	20/1	APPLIANCE DISPLAY RECEPT		720			
		500			HOOD DISPLAY	20/1	17	- C -	18	20/1	APPLIANCE DISPLAY RECEPT		720			
	720				PAC CUSTOMER SERVICE	20/1	19	- A -	20	20/1	APPLIANCE DISPLAY RECEPT		720			
	1080				PAC CUSTOMER SERVICE	20/1	21	- B -	22	20/1	APPLIANCE DISPLAY RECEPT		720			
		3840			LIVE OVEN	50/	23	- C -	24	20/1	APPLIANCE DISPLAY RECEPT		1080			
		3840			н	2	25	- A -	26	20/1	EXIST. DISPLAY RCPTS.		600			
	1080				I-WALL DISPLAY RECEPT	20/1	27	- B -	28	20/1	EXIST. DISPLAY RCPTS.		600			
	1260				I-WALL DISPLAY RECEPT	20/1	29	- C -	30	20/1	EXIST. DISPLAY RCPTS.		600			
	360				APPLIANCE DISPLAY RECEPT	20/1	31	- A -	32	20/1	EXIST. DISPLAY RCPTS.		600			
	600				EXIST. DISPLAY RCPTS.	20/1	33	- B -	34	20/1	EXIST. DISPLAY RCPTS.		600			
	600				EXIST. DISPLAY RCPTS.	20/1	35	- C -	36	20/1	EXISTING VAV-3 & VAV-4			400		
2160	9600	0	0	0	EXISTING PANEL "D2"	150	37	- A -	38	20/1	SPARE					
720	11040	0	0	0	п	1	39	- B -	40	20/1	SPARE					
720	9600	0	720	0	"	3	41	- C -	42	20/1	SPARE					
2160	16720	7680	0	0	200	M	ain	- A -	Thre	ough	NONE					
720	19500	500	0	0	1	Brea	aker	- B -	Feed	Lug T	NONE					
720	16560	8580	720	0	3			- C -	Co	nn	NONE					
- A -	- B -	- C -	Total							000		Bus k	(VA load	s	Dmd	Conn
26.6	20.7	26.6	73.9	Connect	ed KVA Totals								ghting -		4.5	3.6
	oard Note						0.00	1			Convenience Rece				31.4	52.8
		-	E EACH E	PHASE W	ITHIN 10%			 			Receptacles (Nor		•		16.8	16.8
2 -	L.O. 10	DALAITO	L LAOIII	TIAOL W	1111114 1070		100	 		ď	125% Largest Motor		Motors - (0.7	0.7
3 -								 			120 / Largest Meter	1	ic Heat -		0.0	0.0
4 -								<u> </u>				Lioui		al KVA	53.4	73.9
5 -								 			Cmara -	0%		re KVA	0	13.3
								+			Spare =	1				
	TING	: Mounti				1		 			Adjusted KVA				53	
	TING		IC Ratin			1		ļ		0000	Adjusted Amp	s (Demai	nd + Spa	re KVA)	148	4000840088400840088400840
	25		ating of I					<u> </u>								
	00			ng (Min I	Main)			Projec			Project Name :	1	File Nan		P P P P P P P P P P P P P P P P P P P	Date:
2	08	: Phase	to Phase	Voltage				415752	2-040		BEST BUY-SAN BERNARDINO, CA	4	PANEL [D1		12/15/201

			P	anel:	D2			1	Volta	age:	120/208v, 3Ph, 4w	00 00 00 00 00 00 00 00 00 00 00 00 00				
Code	Code	Code	Code	Code		Amp				Amp		Code	Code	Code	Code	Code
L- VA	C-VA	R - VA	M - VA	E - VA	Description	/pole	No.	Ph	No.	/pole		L- VA	C-VA	R - VA	M - VA	E - VA
	1000				EXIST. DISPLAY RCPTS.	20/1	1	- A -	2	20/1	EXIST. DISPLAY RCPTS.		1000			
	1000				EXIST. DISPLAY RCPTS.	20/1	3	- B -	4	20/1	EXIST. DISPLAY RCPTS.		1000			
	1000				EXIST. DISPLAY RCPTS.	20/1	5	- C -	6	20/1	EXIST. DISPLAY RCPTS.		1000			
	1000				EXIST. DISPLAY RCPTS.	20/1	7	- A -	8	20/1	EXIST. DISPLAY RCPTS.		1000			
	1000				EXIST. DISPLAY RCPTS.	20/1	თ	- B -	10	20/1	EXIST. DISPLAY RCPTS.		1000			
	1000				EXIST. DISPLAY RCPTS.	20/1	11	- C -	12	20/1	EXIST. DISPLAY RCPTS.		1000			
	1000				EXIST. DISPLAY RCPTS.	20/1	13	- A -	14	20/1	EXIST. DISPLAY RCPTS.		720			
	1000				EXIST. DISPLAY RCPTS.	20/1	15	- B -	16	20/1	EXIST. DISPLAY RCPTS.		720			
	1000				EXIST. DISPLAY RCPTS.	20/1	17	- C -	18	20/1	EXIST. DISPLAY RCPTS.		720			
	1000				EXIST. DISPLAY RCPTS.	20/1	19	- A -	20	20/1	EXIST. DISPLAY LTG.	720				
	1000				EXIST. DISPLAY RCPTS.	20/1	21	- B -	22	20/1	EXIST. DISPLAY LTG.	720				
	1000				EXIST. DISPLAY RCPTS.	20/1	23	- C -	24	20/1	EXIST. DISPLAY RCPTS.		720			
720					EXIST. DISPLAY LTG.	20/1	25	- A -	26	20/1	EXIST. DISPLAY RCPTS.		720			
	720				EXIST. DISPLAY RCPTS.	20/1	27	- B -	28	20/1	EXIST. DISPLAY RCPTS.		720			
	720				EXIST. DISPLAY RCPTS.	20/1	29	- C -	30	20/1	EXIST. DISPLAY LTG.	720				
	720				EXIST. DISPLAY RCPTS.	20/1	31	- A -	32	20/1	EXIST. DISPLAY RCPTS.		720			
	720				EXIST. DISPLAY RCPTS.	20/1	33	- B -	34	20/1	EXIST. DISPLAY RCPTS.		720			
	720				EXIST. DISPLAY RCPTS.	20/1	35	- C -	36	20/1	EXIST. DISPLAY RCPTS.		720			
720					EXIST. DISPLAY LTG.	20/1	37	- A -	38	20/1	EXIST. DISPLAY RCPTS.		720			
	720				EXIST. DISPLAY RCPTS.	20/1	39	- B -	40	20/1	EXIST. DISPLAY RCPTS.		720			
					SPARE	20/1	41	- C -	42	20/1	EXISTING EF-5				720	
2160	9600	0	0	0	-	Ma	ain	- A -	Thro	ough	NONE					
720	11040	0	0	0	MLO	Brea	ker	- B -	Feed	d Lug ີ	NONE					
720	9600	0	720	0	-			- C -	Co	nn	NONE					
- A -	- B -	- C -	Total						100000			Bus k	(VA load	s	Dmd	Conn
11.8	11.8	11.0	34.6	Connect	ed KVA Totals				9			Li	ghting -	Code L	4.5	3.6
Panelbo	oard Note	es:						1			Convenience Rece	1			20.1	30.2
1 -	E.C. TO	BALANCE	E EACH F	PHASE W	ITHIN 10%				2		Receptacles (Nor				0.0	0.0
2 -										Ò	125% Largest Motor		Motors - (0.7	0.7
3 -		9000							0		120% Langest motor	š	ic Heat -		0.0	0.0
4 -														tal KVA	25.3	34.6
5 -		0.00				5 5 6 6			9000		Spare =	0%		re KVA	0	04.0
	TINIO	- DA 4'-										9	1			000000000000000000000000000000000000000
	TING	: Mountii						-			Adjusted KVA	•	-	•	25	
	TING		IC Ratin						0		Adjusted Amp	s (Dema	na + Spa	re KVA)	70	
	25 50		ating of I	ing (Min I	Main			Drcie -	4 NI	hor:	Drois at Name	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	File Nan		8 A	Data
					viaiii)			Projec		ner:	Project Name :					Date:
2	08	: Phase 1	to Phase	Voltage				415752	2-040		BEST BUY-SAN BERNARDINO, C.	Α	PANEL I)2		12/15/201

		PER	Р	anel:	E1	0.0000000000000000000000000000000000000		'	Volta	age:	120/208v, 3Ph, 4w					
Code	Code	Code	Code	Code		Amp				Amp	·	Code	Code	Code	Code	Code
L- VA	C- VA	R - VA	M - VA	E-VA	Description	/pole	No.	Ph	No.	/pole	Description	L- VA	C- VA	R - VA	M - VA	E - VA
1200					EXIST. CORNICE LIGHTING	20/1	1	- A -	2	20/1	EXIST. FLEX SIGN	1200				
1200					EXIST. CORNICE LIGHTING	20/1	3	- B -	4	20/1	EXIST. FLEX SIGN	1200				
1200					EXIST. CORNICE LIGHTING	20/1	5	- C -	6	20/1	EXIST. FLEX SIGN	1200				
1200					EXIST. CORNICE LIGHTING	20/1	7	- A -	8	20/1	EXIST. TRACK LIGHTING	1000				
1200					EXIST. CORNICE LIGHTING	20/1	9	- B -	10	20/1	EXIST. TRACK LIGHTING	1200				
1200					EXIST. CORNICE LIGHTING	20/1	11	- C -	12	20/1	EXIST. TRACK LIGHTING	1200				
1200					EXIST. CORNICE LIGHTING	20/1	13	- A -	14	20/1	EXIST. TRACK LIGHTING	1000				
1600					EXIST. DOCK LIGHTING	20/1	15	- B -	16	20/1	EXIST. TRACK LIGHTING	1200				
1200					EXIST. DOCK LIGHTING	20/1	17	- C -	18	20/1	EXIST. TRACK LIGHTING	1200				
1000					EXIST. VIDEO RM LIGHTING	20/1	19	- A -	20	20/1	EXIST. TRACK LIGHTING	1000				
1000					EXIST. VIDEO RM LIGHTING	20/1	21	- B -	22	20/1	EXIST. TRACK LIGHTING	1000				
1000					EXIST. VIDEO RM LIGHTING	20/1	23	- C -	24	20/1	EXIST. TRACK LIGHTING	1000				
1000					EXIST. VIDEO RM LIGHTING	20/1	25	- A -	26	20/1	EXIST. SIGN	1000				
1000					EXIST. SIGN	20/1	27	- B -	28	20/1	EXIST. SIGN	1000				
1000					EXIST. SIGN	20/1	29	- C -	30	20/1	EXIST. SIGN	1000				
1000					EXIST. SIGN	20/1	31	- A -	32	20/1	EXIST. SIGN	1000				
1000					EXIST. SIGN	20/1	33	- B -	34	30/	EXIST. AIR COMPTRESSOR				1000	
		1000			EXIST. ISC CEILING FAN	20/1	35	- C -	36	2	"				1000	
1200	2160	3300	200	0	EXISTING PANEL "E2"	150	37	- A -	38	20/1	EXIST. CORNICE LIGHTING	640				
1200	1240	2500	1000	0	H.	1	39	- B -	40	20/1	R.R PENDANTS	30				
1200	1760	2300	0	0	"	3	41	- C -	42	20/1	SPARE					
14640	2160	3300	200	0	200	Ma	ain	- A -	Thr	ough	NONE					
13830	1240	2500	2000	0	1	Brea	aker	- B -	Fee	d Lug 🦥	NONE					
12400	1760	3300	1000	0	3			- C -	Co	onn	NONE					
- A -	- B -	- C -	Total	00000		000000000000000000000000000000000000000			000000000000000000000000000000000000000			Bus K	VA load	s	Dmd	Conn
20.3	19.6	18.5	58.3	Connecte	ed KVA Totals							Lie	ghting -	Code L	51.1	40.9
Panelbo	oard Not	es:		0.00		000000000000000000000000000000000000000					Convenience Rece	1			5.2	5.2
			E EACH F	PHASE W	ITHIN 10%	0				7	Receptacles (No				9.1	9.1
2 -			0.11			000000			0.00	o [*]	125% Largest Motor		Motors - (3.2	3.2
3 -		100		10-10-10-10-10-10-10-10-10-10-10-10-10-1		0.00						1	ic Heat -		0.0	0.0
4 -				0.00		0.000							,	al KVA	68.6	58.3
5 -		100				0.00			1000		Spare =	0%		re KVA	0	00.0
	TING	. Marrett		1000		0					Adjusted KVA	1			69	
	TING	: Mounti		0.00		000000000000000000000000000000000000000		-	000		•			,	191	
			IC Ratin			7010100					Adjusted Amp	s (Demai	nu + Spa	re KVA)	191	
	25		ating of I			0 0 0 0		<u> </u>								
	00			ing (Min N	flain)	10000		Projec			Project Name :	1	File Nan			Date:
20	08	: Phase	to Phase	Voltage		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		415752	2-040		BEST BUY-SAN BERNARDINO, CA	١	PANEL E	Ξ 1		12/15/201

			Р	anel:	E2			1	/olta	age:	120/208v, 3Ph, 4w					
Code	Code	Code	Code	Code		Amp				Amp		Code	Code	Code	Code	Code
L- VA	C- VA	R - VA	M - VA	E - VA	Description	/pole	No.	Ph	No.	/pole	Description	L- VA	C- VA	R - VA	M - VA	E - VA
	400				EXIST. ISC RCPTS.	20/1	1	- A -	2	30/1	EXIST. WATER HEATER			2000		
	400				EXIST. ISC RCPTS.	20/1	3	- B -	4	20/1	EXIST. AUTO DOOR			400		
	400				EXIST. ISC RCPTS.	20/1	5	- C -	6	20/1	EXIST. AUTO DOOR			400		
	400				EXIST. ISC RCPTS.	20/1	7	- A -	8	20/1	EXIST. BREAKROOM RCPTS.			300		
	300				EXIST. VENDING RCPTS.	20/1	9	- B -	10	20/1	EXIST. BREAKROOM RCPTS.			600		
	600				EXIST. DOOR ALARM	20/1	11	- C -	12	20/1	EXIST. ISC RCPTS.			600		
	600				EXIST. ISC RCPTS.	20/1	13	- A -	14	20/1	EXIST. SPRINKLER RISER			600		
			600		EXIST. EF	20/1	15	- B -	16	20/1	EXIST. DCD RECEIVING			600		
	400				EXIST. DETECTOR	20/1	17	- C -	18	20/1	EXIST. HOSE BIBB			400		
	400				EXIST. BREAKROOM RCPTS.	20/1	19	- A -	20	20/1	EXIST. VAV-1 & VAV-2			400		
			400		EXIST. EF-4	20/1	21	- B -	22	20/1	EXIST. ROOF RCPTS.			900		
					SPARE	20/1	23	- C -	24	20/1	EXIST. ROOF RCPTS.			900		
					SPARE	20/1	25	- A -	26	20/1	EXIST. EF				200	
					SPARE	20/1	27	- B -	28	20/1	HUB RECEPT		360			
					SPARE	20/1	29	- C -	30	20/1	HUB RECEPT		360			
1200					EXIST. SIGN	20/1	31	- A -	32	20/1	HUB RECEPT		360			
1200					EXIST. SIGN	20/1	33	- B -	34	20/1	HUB RECEPT		180			
1200					EXIST. SIGN	20/1	35	- C -	36	20/1	SPARE					
					SPARE	20/1	37	- A -	38	20/1	SPARE					
					SPARE	20/1	39	- B -	40	20/1	SPARE					
					SPARE	20/1	41	- C -	42	20/1	SPARE					
1200	2160	3300	200	0	-	М	ain	- A -	Thr	ough	NONE					
1200	1240	2500	1000	0	MLO	Bre	aker	- B -	Fee	d Lug	NONE					
1200	1760	2300	0	0	-			- C -	Co	nn	NONE					
- A -	- B -	- C -	Total	чальный		000000000000000000000000000000000000000	nonnenon					Bus K	VA loads	3	Dmd	Conn
6.9	5.9	5.3	18.1	Connect	ed KVA Totals							Lie	ghting -	Code L	4.5	3.6
	oard Note	es:		ORANGO PER		0.000	on on one	1			Convenience Rece	1			5.2	5.2
			E EACH F	PHASE W	ITHIN 10%	90000	na nanana				Receptacles (Nor		•		8.1	8.1
2 -				.,		0.000	eno outros			O	125% Largest Motor		Motors - C		1.2	1.2
3 -				and properties as		100	na enormale				120/0 24/1900 moto.		c Heat -		0.0	0.0
4 -				-		90	nere en							al KVA	19.0	18.1
5 -				0000		90	00000				Smarra -	0%				10.1
				Androne des		7000	10000				Spare =	1	<u>. </u>	re KVA	0	***************************************
	TING	: Mounti		Prontanta		0000	Constant of the constant of th				Adjusted KVA		•	,	19	
	TING		AIC Ratin			10000000					Adjusted Amp	s (Demai	nd + Spa	re KVA)	53	
	25		ating of I			100000000000000000000000000000000000000	THE PERSON NAMED IN COLUMN 1									
	50			ng (Min I	Main)	0.000000	5.000000	Projec		ber:	Project Name :	1	File Nan			Date:
2	08	: Phase	to Phase	Voltage		0.000000	STOCK	415752	-040		BEST BUY-SAN BERNARDINO, C	CA	PANEL E	2		12/15/2014

19292
Expires
9/30/2016

12/15/2014

ss of Minnesota, Inc.
/ Suite 1100
a 55402-1540
Fax 612.465.7551
n
trical consulting engineering

Dunham Asso

Dunham Asso

Dunham Asso

So South Sixth S

Minneapolis, Min

PHONE 612.465.77

WEB dunhamen

mechanical +

SQ. FT. CALCS

RETAIL:
47,958 SF

OFFICES:
1,790 SF

STORAGE/REMAINING:
7,635 SF

1,148 SF
TOTAL:
58,531 SF

CONCEPT: 45K C3-2
CONCEPT DATE: 04/21/2014

G.O. -21 FIXTURE REL.

XX.XX.10

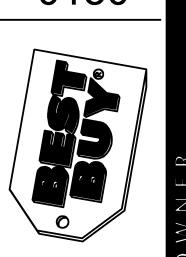
G.O. -13 FINAL REL.

XX.XX.10

PROTOTYPE DATE:

02/12/2014

STORE NUMBER: 0150

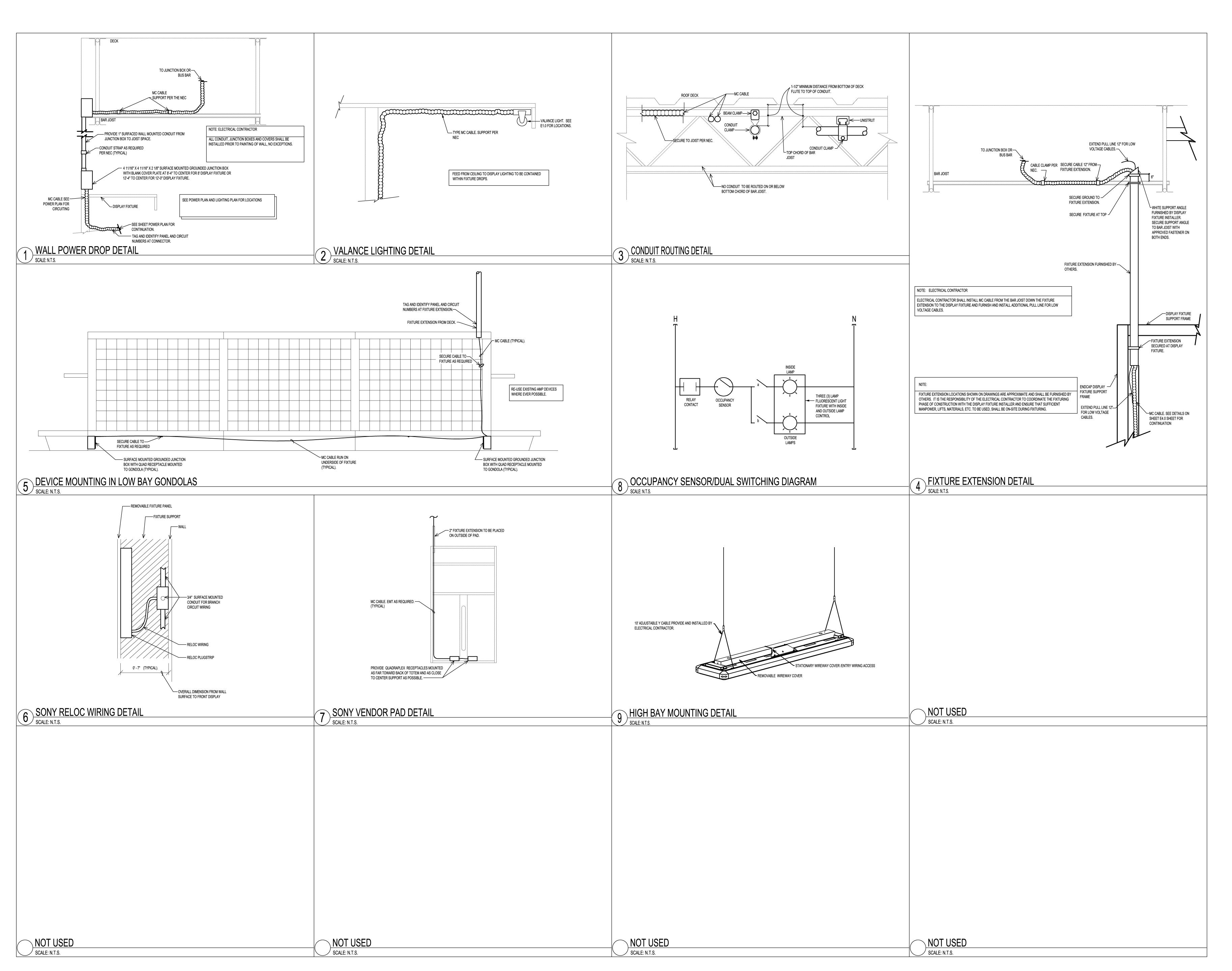


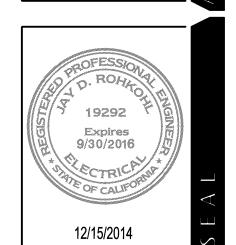
San Bernardino, CA 888 Harriman PI. San Bernardino, CA 92408

REV DATE

PANELBOARD SCHEDULES AND RISERS E3.1

PANEL SCHEDULES
NO SCALE





PROJECT#: 415752-040 SQ. FT. CALCS

ີ47,958 SF

7,635 SF 58,531 SF

45K C3-2 CONCEPT DATE: 04/21/2014

G.O. -21 FIXTURE REL. XX.XX.10 G.O. -13 FINAL REL.

XX.XX.10 PROTOTYPE DATE: 02/12/2014

STORE NUMBER: 0150



PERMIT SET 12/12/2014

ELECTRICAL DETAILS

E4.0

Climate Zone:		onditioned Flooi	Area: 46,797				
10	T	Inconditioned Fl	oor Area : 0				
General Infor	mation						
Building Type:		2	Nonresidential		High-Rise Residential	П	Hotel/Motel
□ Schools		.	Relocatable Public Schools	Ø	Conditioned Spaces	D	Unconditioned Spaces
Phase of Const	ruction:		New Construction		Addition	Ø	Alteration
Method of Con	npliance:		Complete Building		Area Category	Ø	Tailored
			s for each document included) Energy Efficiency Standards comp	oliance de	cuments, refer to the Nonresidenti	al Manual pub	lished by the California Energy Commission.
YES	NO	FORM	TITLE				
YES		NRCC-LIT-01-	E Certificate of Compliance. A	II Pages r	equired on plans for all submittals.		
YES		NRCC-LIT-02-	E Lighting Controls, Certificate	of Compl	iance, and PAF Calculation. All Page	es required on	plans for all submittals.
YES		NRCC-LIT-03-	E Indoor Lighting Power Allowa	ance			

Conditioned and U	Inconditioned space Lighting must not be combine	ed fo	or co mpli ance		
	Indoor Lighting Power for Conditioned Space:	S		Indoor Lighting Power for Unconditioned S	paces
			Watts		Watt
1.	Installed Lighting NRCC-LTI-01-E, page 4	+	41,518	Installed Lighting NRCC-LTI-01-E, page 4 +	0
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+			
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	(47.)	4,206	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	O
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	 	37,313	Adjusted Installed Lighting Power (row 1 minus row 3)	0

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

NRCC-LIT-04-E Tailored Method Worksheets

NRCC-LIT-05-E Line Voltage Track Lighting Worksheets

INDOOR LIGHTING CEC-NRCC-LTI-01-E (Revised 06/14)	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 5)
Project Name: Best Buy	Date Prepared: 12/5/2014

5.	Complies	ONLY if Installed < Allo	wed Complies ONLY if I	nstalled ≤ Allowed
6.	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1	44,399	Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1	0

ÆS	NO	Form/Title	
Χ		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
Χ		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
Χ		NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
Χ		NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
Χ		NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	Х	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

	t ion of Req ed and sigr	uired Certificates of Acceptance — Declare by checking all of the Certificates of Acceptance that will be submitt ned.)	ed. (Retain copies and verify forms a
YES	NO	Form/Title	
Χ		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
Χ		NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
$\frac{1}{X}$		NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA INDOOR LIGHTING CEC-NRCC-LTI-01-E (Revised 06/14)	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 5
Project Name: Best Buy	Date Prepared: 12/5/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☑ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

A.	A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION	I ENERGY CHECKLIST
	☐ The actual indoor lighting power listed on this page and on the n	ext page includes all installed per

ermanent and planned portable lighting systems. ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines. ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form. ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office

☐ Fill out a separate line for each differ	ent office. Sm	nall offices	that are ty	pical (havin ₍	; the same go	eneral and por	table lighting) may	be grouped together. This	allowance
shall not be traded between offices I	aving differe	ent lighting	g systems.						
Office Portable Luminaire Schedule	Office	Installe	d Portable	Luminai Foot	re Watts P	er Square	Accountable Watts	Office Location	Field Inspector
		-	6	-	-	~	100	*	

Office Portable Luminaire Schedule	Office	Installe	d Portable I F	Luminaii oot	e Watts F	'er Square	Accountable Watts	Office Location	Fi Insp	eld ector
A	В	С	D	E	F	G	T.	<u>I</u>		J
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable Iuminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; if F > 0.3, (F-0.3)	ExG	Identify Office area in which these portable luminaires are installed	Pass	Fail
Total installed portable lui	ninaire watt	s that ar	e greater than	0.3 watts	per square	foot per office:		Enter sum total of all pages in LTI-01-E; Page 1	to NRC	Ċ-

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

INDOOR LIGHTING CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS NRCC-LTI-01-E Indoor Lighting (Page 3 of 5)

Project Name: Best Buy Date Prepared: 12/5/2014 A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

CONDITIONED SPACE UNCONDITIONED SPACE

☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems. ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines. ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a) This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance

Office Portable Luminaire Schedule	Office I	nstalle	d Portable I F	Luminaiı oot	re Watts F	er Square	Accountable Watts	Office Location	Fid	eld ecto
A	В	С	D	E	F	G	Н			J
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; If F > 0.3, (F-0.3)	ExG	Identify Office area in which these portable luminaires are installed	Pass	1
										T
										T
								<i></i>		T
										T
										T
Total installed portable lu	minaire watt:	s that ar	e greater than	0.3 watts	per square	foot per office:		Enter sum total of all pages in LTI-01-E; Page 1	to NRC	:c-

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

STATE OF CALIFORNIA INDOOR LIGHTING CEC-NRCC-LTI-01-E (Revised 06/14) CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS Indoor Lighting Project Name: Best Buy Date Prepared: 12/5/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☑ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

	Luminaire Schedule		Ins	talled V	/atts		Location	Field In	spector 1
Α	В	c)	E	F			Н
				tage was mined		Wat			<u> </u>
Name or Trem Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
2X4	3 Lamp 4 ft T8 XPS Lamp/PSX Ballast ElecRi	72.0	Ø		6	432	Retail Sales, Wholesale		
A	CF Pendant 15W	15.0	Ø		7	105	Retail Sales, Wholesale		
C	6 lamp 4' T8 Elec	187.0	Ø	П	205	38,335	Retail Sales, Wholesale		
FG3	3 Lamp 4 ft T8 XPS Lamp/PSX Ballast ElecRi	72.0	Ø		4	288	Retail Sales, Wholesale		
=WE	1 Lamp 4 ft T8 Energy Saving ElecRO	27.0	Ø		74	1,998	Retail Sales, Wholesale		
3	45w per ft Track Light	45.0	Ø		8	360	Retail Sales, Wholesale		
								О	
									D
			О					П	
		INS	TALLED W	ATTS PAG	SE TOTAL:	41,518	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

builder provides to the building owner at occupancy.

Responsible Designer Name: Jay Rohkohl

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS NRCC-LTI-01-E (Page 5 of 5) Indoor Lighting Project Name: Best Buy Date Prepared: 12/5/2014

June 2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Signature: Dustin Kinstkonatt DUSTIN KWIATKOWSKI Signature Date: 12/5/2014 Dunham Associates of Minnesota, Inc. CEA/ HERS Certification Identification (if applicable): 50 S. 6TH STREET Phone: 612 465-7670 MINNEAPOLIS, MN 55402 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the

Responsible Designer Signature;

Date Signed: 12/15/14 Dunham 50 S. Sixth Street Minneapolis, MN 55402 612465-7550

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS

CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E Indoor Lighting - Lighting Controls (Page 1 of 3) Project Name: Best Buy Date Prepared: 12/5/2014

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.) Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9. Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b). One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b). Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an nstallation Certificate shall be installed in accordance with Section 130.4(b). All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's nstructions in accordance with Section 130.1. All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a). General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4. ne general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b). All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c). Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans. Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in lefore an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E Indoor Lighting - Lighting Controls Project Name: Best Buy Date Prepared: 12/5/2014

formal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in ccordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following: ☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

										PAF Cred	it Calcı	alation 2	•		
Ligh	nting Control Schedule		(* ;			Comply or ente			ited)	Watts of Controlled	PAF	Control Credit (K×L)	if Acceptance Test Required		Field Inspector
A	В	С	D	E	F	G	Н	I	J	K	L	М	.N	1	0
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	\$140.6(a)2	§140.6(d)					Pass	1
Warehouse	Dimming - Manual							1		1,309	0.10	131	1		
Restroom	Occ Sensor - <= 500 sqft									432	0.20	86			
Restroom	Occ Sensor - <= 500 sqft									105	0.20	21			
Sales Floor	Dimming - Manual								*************	37,026	0.10	3,703			
Sales Floor	Dimming - Manual									360	0.10	36			
Sales Floor	Dimming - Manual									1,998	0.10	200		О	
Hub Room	Dimming - Manual									288	0.10	29			
					Co	ntrol C r	redit Pa	AGE TO	TAL (S	um of Colum	ın M):	4,206			
	IF MULTIPLE PAGES ARE USED, EN	NTER SUM	TOTAL	OF Con	trol Cre	dit for	all pag	es HER	RE (Sum	of all Colum	ın M):	4,206			
												Enter Co into NRC 1.			

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. 2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CEC-NRCC-LTI-02-E (Revised 06/14) CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E Indoor Lighting - Lighting Controls (Page 2 of 3) Date Prepared: 12/5/2014 Best Buy

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following: ☐ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

										PAF Credi	t Calc	ulation ²	.		-
Ligh	ting Control Schedule		(~)			Comply or ente			ted)	Watts of Controlled Lighting	PAF	Control Credit (K×L)	if Acceptance Test Required		Field Inspector
A	В	С	D	E	F	G	Н	ı	J	K	L	М	N		0
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.5(d)					Pass	3 ====================================
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															С
						10 10 10 10 10 10 10 10 10 10 10 10 10 1					3036540				
										ım of Colum		0			
	IF MULTIPLE PAGES ARE USED, EN	NTER SUM	TOTAL	JF Con	trol Cre	edit for i	ali pag	es HER	E (Sum	of all Colum	n M):	Enter Co into NRC 1.		transport	e, eec.

also required to be filled out, signed, and submitted. CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

PROJECT#: 415752-040

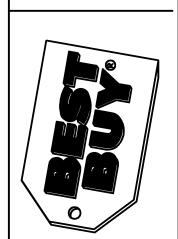
SQ. FT. CALCS ີ47,958 SF

7,635 SF

45K C3-2 CONCEPT DATE: 04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

G.O. -13 FINAL REL. XX.XX.10 PROTOTYPE DATE: 02/12/2014

STORE NUMBER:



PERMIT SET

T-24 FORMS

STATE OF CALIFORNI INDOOR LIGI DEC-NRCC-LTI-02-E (F	HTING - LIGHTING CONTROLS	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF		NRCC-LTI-0
Indoor Lighting -	Lighting Controls	(Page 3 o
Project Name: Best B	Buy	Date Prepared: 12/5/2014
DOCUMENTATION	AUTHOR'S DECLARATION STATEMENT	
	his Certificate of Compliance documentation is accurate and com	plete.
Documentation Author I	Name: DUSTIN KWIATKOWSKI	Documentation Author Signature Duction Neuralkonett
Company:	Dunham Associates of Minnesota, Inc.	Signature Date: 12/5/2014
Address:	50 S. 6TH STREET	CEA/ HERS Certification identification (if applicable):
City/State/Zip:	MINNEAPOLIS, MN 55402	Phone: 612 465-7670
RESPONSIBLE PER	SON'S DECLARATION STATEMENT	
The informati I am eligible of (responsible of The energy feromorphisms of The building of documents, was	designer). eatures and performance specifications, materials, components, a conform to the requirements of Title 24, Part 1 and Part 6 of the 0 design features or system design features identified on this Certif worksheets, calculations, plans and specifications submitted to th	. esponsibility for the building design or system design identified on this Certificate of Compliance and manufactured devices for the building design or system design identified on this Certificate of

Responsible Designer Signature:

12/15/14

19292

612465-7550

builder provides to the building owner at occupancy.

50 S. Sixth Street

Minneapolis, MN 55402

Dunham

Responsible Designer Name: Jay Rohkohl

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	June 201

CERTIFICATE OF COMPLIANCE		FORNIA ENERGY COMMISSION NRCC-LTI-0
Certificate of Compliance - Indoor Lighting Power Allowance		(Page 1 o
Project Name: Best Buy	Date Prepared: 12/5/201	
ALLOWED LIGHTING POWER		
A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:		
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces		
A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES If using Complete Building Method for compliance, use only the total in column (a) as total allowed building	ng watts.	
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building \Box		total in column (b) as the total
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method	for compliance, use only the	total in column (b) as the total
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method	for compliance, use only the	
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method allowed building watts	for compliance, use only the	
☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed buildin ☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method allowed building watts ☐ Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	for compliance, use only the	a) (b)

			¢	D
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft²)	×	COMPLETE BLDG. AREA	 ALLOWE WATTS
		a:		

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (C-2 plus C-3)		
Total from section C-2	. 0	
Total from section C-3	. 0	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	. 0	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2

STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE CEC-NRCC-LTI-03-E (Revised 06/14)	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: Best Buy	Date Prepared: 12/5/2014

Best		12/5/2014
DOCUMENTATIC	ON AUTHOR'S DECLARATION STATEMENT	
1. I certify that	t this Certificate of Compliance documentation is accurate and comp	
Documentation Author	DUSTIN KWIATKOWSKI	Documentation Author Signature: Section Thursthorast
Company:	Dunham Associates of Minnesota, Inc.	Signature Date: 12/5/2014
Address:	50 S. 6TH STREET	CEA/ HERS Certification (dentification (if applicable):
City/State/Zip:	MIŅNEAPOLIS, MN 55402	Phone: 612 465-7670
RESPONSIBLE PI	ERSON'S DECLARATION STATEMENT	<u> </u>
(responsible 3. The energy Compliance 4. The building documents, 5. I will ensure enforcement builder provi	e designer). features and performance specifications, materials, components, a conform to the requirements of Title 24, Part 1 and Part 6 of the C g design features or system design features identified on this Certifi i, worksheets, calculations, plans and specifications submitted to the e that a completed signed copy of this Certificate of Compliance sha nt agency for all applicable inspections. I understand that a complet wides to the building owner at occupancy.	cate of Compliance are consistent with the information provided on other applicable compliance enforcement agency for approval with this building permit application. If be made available with the building permit(s) issued for the building, and made available to the ed signed copy of this Certificate of Compliance is required to be included with the documentation the
Responsible Designer	^{r Name:} Jay Rohkohl	Responsible Designer Signature:
		<u> </u>
Company :	Dunham	Date Signed: 12/15/14
Company : Address:	272 25 5 5 244	Date Signed: 12/15/14 License: 19292

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

TAILORED METHOD
CEC-NRCC-LTI-04-E (Revised 06/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting - Tailored Method
Project Name: Best Buy

CALIFORNIA ENERGY COMMISSION

CALIFORNIA ENERGY COMMISSION
(Page 1 of 7)

Date Prepared: 12/5/2014

	ETHOD L	IGHTING POWER ALL	AWO.	NCE SU	MMARY						
1. General lighting power (Building Total from Section B of NRCC-LTI-04-E)										42,4	01
2. General lightin	g power s	pecial function areas (Bu	uilding	; Total fre	om Section C of N	RCC-LTI-04-E)			2.	0	
	l in Sectio	it" lighting power (Wati n D of NRCC-LTI-04-E. Combined Floor Display and Task Lighting from Section D-2	ts liste	Combii a Eff	of these cells show ned Ornamental nd Special ects Lighting n Section D-3	Ve M	i to total allower ry Valuable erchandise n Section D-4				
1,998	+ 0 + 0				+ 0			3.	1,9	98	
4. Total Allowed \	Natts usin	g Tailored Method (add	lines	1, 2 and	3)	*			4.	44,	399
B. TAILORED MI	THOD A	LLOWED GENERAL LI	GHTII	NG POW	ER FROM TABL	E 140.6-D					
* II					C	D	E		F		G
ROOM NUMBER	PRIMARY FUNCTION AREA			ILLUMINANCE VALUE (LUX)	ROOM CAVITY RATIO	ALLOWED LPD		OOR.	AREA	ALLOW WATT (Ext	
	Retail	Sales, Wholesale			400	1,55	0.90		1,49	0	1,341
	Retail Sales, Wholesale			400	11.32	2.20		113		249	
Retail Sales, Wholesale Retail Sales, Wholesale			400	0.77	0.90		44,5	08	40,057		
			400	2.06	1.10		686		755		
									AGE	TOTAL	42,401
						If multiple page	s are used, enter l	uildir	g tota	il here	42,401
☐ This section areas: Exercial along state	n shall b cise Cent	LLOWED GENERAL LIGHT te used to determine ter, Gymnasium; Moderal roadways; othe	e allo edica	owed ge I and Cl	neral lighting inical Care; Po nction areas t	power <u>ONL</u> lice Station hat are not	<u>Y</u> for the follo s and Fire Sta listed in Tablo	win tion	g pri s; Pu).6-C	mary iblic re	function est areas
A					C	D	E		F	4	G
ROOM NUMBER		PRIMARY FUNCTION AR	EA		ILLUMINANCE VALUE (LUX)	ROOM CAVITY RATIO	ALLOWED LPD		LOOR AREA		ALLOWE WATTS (Exf)

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

CERTIFICATE OF COMP	LIANCE									NRCC-LTI-04-
Indoor Lighting – Tailo	red Method									(Page 2 of 3
Project Name: Best Buy							Date Prepared:	12/5/2014		
Complete separate do	cuments for Cond	itioned and Unc	anditioned S	naces						
This page is used to do	-			NCONDITIONED S	PACES					
. TAILORED METHOL										
					isplay, floor display, t	ask ornamen	tal snecial et	iterts or verv	valuable disola	av case lighting
			77	7	iting power or the act			,,	wasaassa waga	., vast "5 . 5.
				_	140.6(c)3H to determ			wer allowanc	e when using t	the Complete
	d, or for any area					,,,,,,,,,,	~		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
-1. Additional allowe										
☐ Floor displays sh		18 67		rer allowance.						
☐ Qualifying wall li					3I.					
A	В	C	D	T E	F	G	H		j	K
	Al	LOTTED WATTS			DESIGN WATTS					
	Wall Display	Wall Display	Allotted							
Primary Function	Length in	Power	Watts			Mounting	Watts per		Design Watts	Allowed Watts
Area	(Linear Feet)	(W/lin foot)	(B x C)	Luminaire Code	Mounting Height	height factor	luminaire	# luminaires	(GxHxI)	(smaller of D or J)
				FWE	< 12 feet	1.00	27.0	74	1,998	
Sales Floor	296	14.00	4,144		12 feet to < 16 feet	0.87				
					16 feet or higher	0.77				
										1,998
					2.44.15.22		s kills Fallitially	Function Area:		
V 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					< 12 feet	1.00	e sens Frincia y	ruikuun Alea.		
				A	12 feet to < 16 f eet	1.00 0.87	1	Function Area.		
						1.00 0.87 0.77				
					12 feet to < 16 feet 16 feet or higher	1.00 0.87 0.77 Total fo		Function Area:		
					12 feet to < 16 feet 16 feet or higher < 12 feet	1.00 0.87 0.77 Total fo				
					12 feet to < 16 feet 16 feet or higher < 12 feet 12 feet to < 16 feet	1.00 0.87 0.77 Total fo				
					12 feet to < 16 feet 16 feet or higher < 12 feet	1.00 0.87 0.77 Total fo 1.00 0.87 0.77	r this Primary			
					12 feet to < 16 feet 16 feet or higher < 12 feet 12 feet to < 16 feet	1.00 0.87 0.77 Total fo 1.00 0.87 0.77	r this Primary	Function Area:		
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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS

Indoor Lighting – Tailored Method

NRCC-LTI-04-E

(Page 6 of 7)

ECTANGULAR SPACE					
A	В	C	D	E.	Į į
Room Number	Task/Activity Description	Room Length (L) (ft)	Room Width (W) (ft)	Room Cavity Height (H) (ft)	RCR 5 x H x (L+W) / (L x W)
Hub Room	Retail Sales, Wholesale	4 5.0	19.0	5.5	2.06
ION-RECTANGULAR SI A	PACES B	Č	T D	· ·	T #
Room Number	Task/Activity Description	Room Area (A) (ft²)	Room Perimeter (P) (ft)	Room Cavity Height (H) (ft)	RCR 2.5 x H x P / A
Warehouse	Retail Sales, Wholesale	1,490.0	168.0	5.5	1.55
Restroom	Retail Sales, Wholesale	113.0	93.0	5.5	11.32
Sales Floor	Retail Sales, Wholesale	44,508.0	1,016.0	13.5	0.77

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS

Indoor Lighting – Tailored Method

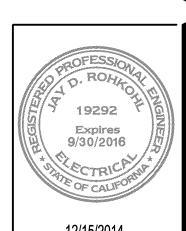
NRCC-LTI-04-E
(Page 7 of 7)

	N AUTHOR'S DECLARATION STATEMENT	VCD-State of APA-ING-SA, USA
	this Certificate of Compliance documentation is accur-	
Documentation Autho	Marie: DUSTIN KWIATKOWSKI	Documentation Author Signature: Ductor Newatkonst
Company:	Dunham Associates of Minnesota, Inc.	Signature Date: 12/5/2014
Address:	50 S. 6TH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	MINNEAPOLIS, MN 55402	Phone: 612 465-7670
RESPONSIBLE PE	RSON'S DECLARATION STATEMENT	L
	n this Certificate of Compliance (responsible designer). features and performance specifications, materials, co.	imponents, and manufactured devices for the building design or system
design ident Regulations. 4. The building provided on agency for a 5. I will ensure the building	tified on this Certificate of Compliance conform to the . design features or system design features identified of other applicable compliance documents, worksheets, approval with this building permit application. that a completed signed copy of this Certificate of Cor , and made available to the enforcement agency for all	requirements of Title 24, Part 1 and Part 6 of the California Code of on this Certificate of Compliance are consistent with the information calculations, plans and specifications submitted to the enforcement impliance shall be made available with the building permit(s) issued for II applicable inspections. I understand that a completed signed copy of
design ident Regulations. 4. The building provided on agency for a 5. I will ensure the building	tified on this Certificate of Compliance conform to the . design features or system design features identified of other applicable compliance documents, worksheets, approval with this building permit application. that a completed signed copy of this Certificate of Cor, and made available to the enforcement agency for all ate of Compliance is required to be included with the designed.	requirements of Title 24, Part 1 and Part 6 of the California Code of on this Certificate of Compliance are consistent with the information calculations, plans and specifications submitted to the enforcement impliance shall be made available with the building permit(s) issued for II applicable inspections. I understand that a completed signed copy of
design ident Regulations. 4. The building provided on agency for a 5. I will ensure the building this Certifica	tified on this Certificate of Compliance conform to the conformation of the conformation of the compliance documents, worksheets, approval with this building permit application. In that a completed signed copy of this Certificate of Conformation of the conforma	requirements of Title 24, Part 1 and Part 6 of the California Code of on this Certificate of Compliance are consistent with the information calculations, plans and specifications submitted to the enforcement impliance shall be made available with the building permit(s) issued for ill applicable inspections. I understand that a completed signed copy of documentation the builder provides to the building owner at occupancy
design ident Regulations. 4. The building provided on agency for a 5. I will ensure the building this Certifica Responsible Designer	tified on this Certificate of Compliance conform to the design features or system design features identified of other applicable compliance documents, worksheets, approval with this building permit application. That a completed signed copy of this Certificate of Corp., and made available to the enforcement agency for alighted of Compliance is required to be included with the designed.	requirements of Title 24, Part 1 and Part 6 of the California Code of on this Certificate of Compliance are consistent with the information calculations, plans and specifications submitted to the enforcement impliance shall be made available with the building permit(s) issued for applicable inspections. I understand that a completed signed copy of documentation the builder provides to the building owner at occupancy Responsible Designer Signature:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

June 2014



12/15/2014

Dunham Associates of Minnesota

50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.71
web dunhameng.com

mechanical + electrical consulting

SQ. FT. CALCS

RETAIL:

47,958 SF

OFFICES:

47,000 OFFICES

47,958 SF

0FFICES:

1,790 SF

STORAGE/REMAINING:

7,635 SF

1,148 SF
TOTAL: 58.531 SF

45K C3-2
CONCEPT DATE:
04/21/2014
G.O. -21 FIXTURE REL.

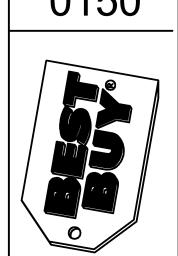
XX.XX.10

G.O. -13 FINAL REL.

XX.XX.10

PROTOTYPE DATE:

02/12/2014 STORE NUMBER:



San Bernardino, CA 888 Harriman PI. San Bernardino, CA 92408

DATE

T-24 FORMS

E5.1

CERTIFICATE OF COMPLIANCE Indoor Lighting – Line-Voltage Track Lighting Worksheet Project Name: Best Buy Date Prepared: 12/5/2014

☐ There are four different methods available for determining how many watts of line-voltage track or line-voltage busway has been installed. One or more methods may be used to determine how many watts of line-voltage track or line-voltage busway has been installed. Use this worksheet to separately calculate the input wattage for each system. ☐ Separately enter each row of this worksheet into the Luminaire Schedule in section C of NRCC-LTI-01-E

☐ Method 1 is the only option available for determining wattage for track or busway rated for more than 20 amperes

BRANCH CIRCUIT NAME OR ID	VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT

METHOD 2 – USE THE HIGHER OF 45 WATTS PER LINEAR FOOT OF TRACK OR TOTAL RATED WATTAGE OF ALL LUMINAIRES Track or Name # (W/LF) LUMINAIRES (Dor E) TRACK

☐ METHOD 3 – USE THE HIGHER OF: 12.5 WATTS / LINEAR FOOT OF TRACK – OR VA RATING OF INTEGRAL CURRENT LIMITER ☐ Only integral current limiters which are certified to the Energy Commission shall be recognized by the Standards. ☐ This method shall not be recognized if an Installation Certificate is not submitted. В Linear Feet of VA Rating of Integral Current Larger of (W/LF) Track or Name # Track 12.5 12.5

☐ METHOD 4 - DEDICATED TRACK LIGHTING SUPPLIMENTARY OVERCURRENT PROTECTION PANEL ☐ This method shall not be recognized if an Installation Certificate is not submitted. ☐ This method shall be used only for line-voltage track lighting, and shall not be recognized for any other lighting systems. If any other lighting systems or devices are installed, the supplementary overcurrent protection panel shall not be recognized for compliance with the Standards Voltage of the Sum of the Ampere Rating of all Wattage = Sum of the Ampere Ratings of all of the Devices Times The Branch Circuit Voltage (B x C) NAME OR ID Branch Circuit Devices installed in the Panel

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

Indoor Lighting – Line-Voltage Track Lighting Worksheet

LINE-VOLTAGE TRACK LIGHTING WORKSHEET CEC-NRCC-LTI-05-E (Revised 06/14) CERTIFICATE OF COMPLIANCE (Page 2 of 2) Project Name: Best Buy Date Prepared: 12/5/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: DI ISTIN KWIATKOWSKI Documentation Author Signature: Duction Michaelt DUSTIN KWIATKOWSKI Dunham Associates of Minnesota, Inc. Signature Date: 12/5/2014 CEA/ HERS Certification Identification (if applicable): 50 S. 6TH STREET MINNEAPOLIS, MN 55402 612 465-7670 RESPONSIBLE PERSON'S DECLARATION STATEMENT

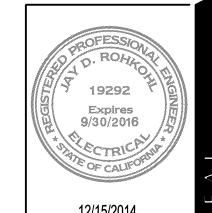
I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement

agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer	Name: Jay Rohkohl	Responsible Designer Signature:
Company:	Dunham	Date Signed: 12/15/14
Address:	50 S. Sixth Street	License: 19292
City/State/Zip:	Minneapolis, MN 55402	Phone: 612465-7550

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance



PROJECT#: 415752-040

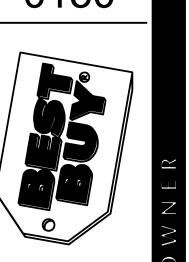
SQ. FT. CALCS

45K C3-2

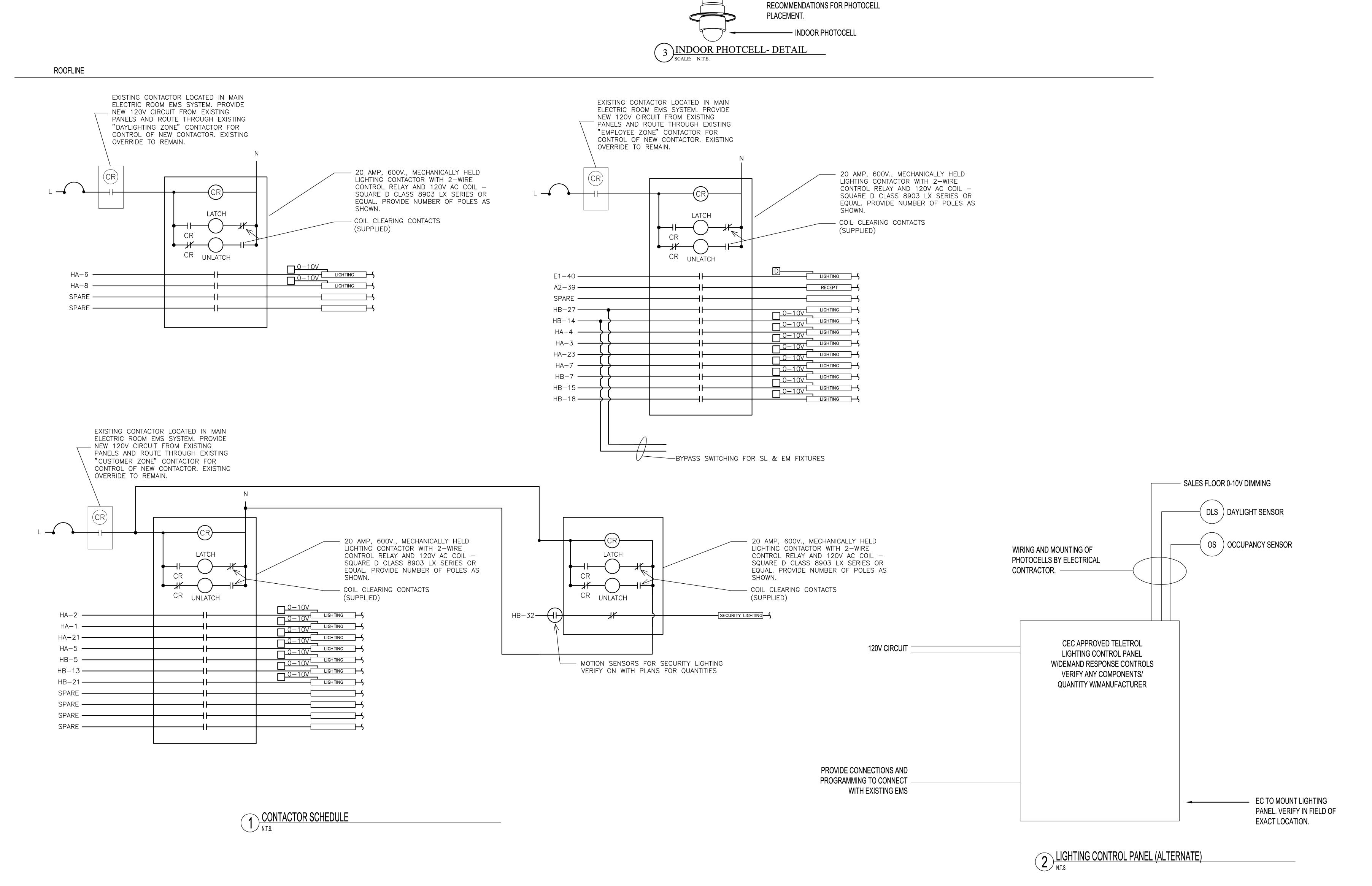
CONCEPT DATE: 04/21/2014 G.O. -21 FIXTURE REL. XX.XX.10

G.O. -13 FINAL REL. XX.XX.10 PROTOTYPE DATE: 02/12/2014

STORE NUMBER:



PERMIT SET 12/12/2014



— 3 #18 AWG

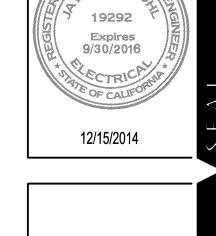
— J-BOX BY

TO LIGHTING

- CONTROL PANEL

CONTRACTOR

INSTALLER TO FOLLOW MANUFACTURER'S



PROJECT#: 415752-040 SQ. FT. CALCS 47,958 SF

1,790 SF orage/remaining:
7,635 SF

1,148 SF

58,531 SF

45K C3-2

CONCEPT DATE: 04/21/2014 G.O. -21 FIXTURE REL.

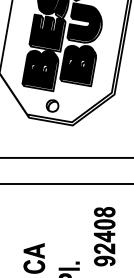
XX.XX.10 G.O. -13 FINAL REL.

XX.XX.10 PROTOTYPE DATE:

02/12/2014

STORE NUMBER:

0150



Bernardino, (38 Harriman Prinardino, CA

PERMIT SET 12/12/2014

REV DATE