



Remodel of
BEST BUY #0150
888 Harriman Pl.
San Bernardino, CA 92408

ABBREVIATIONS

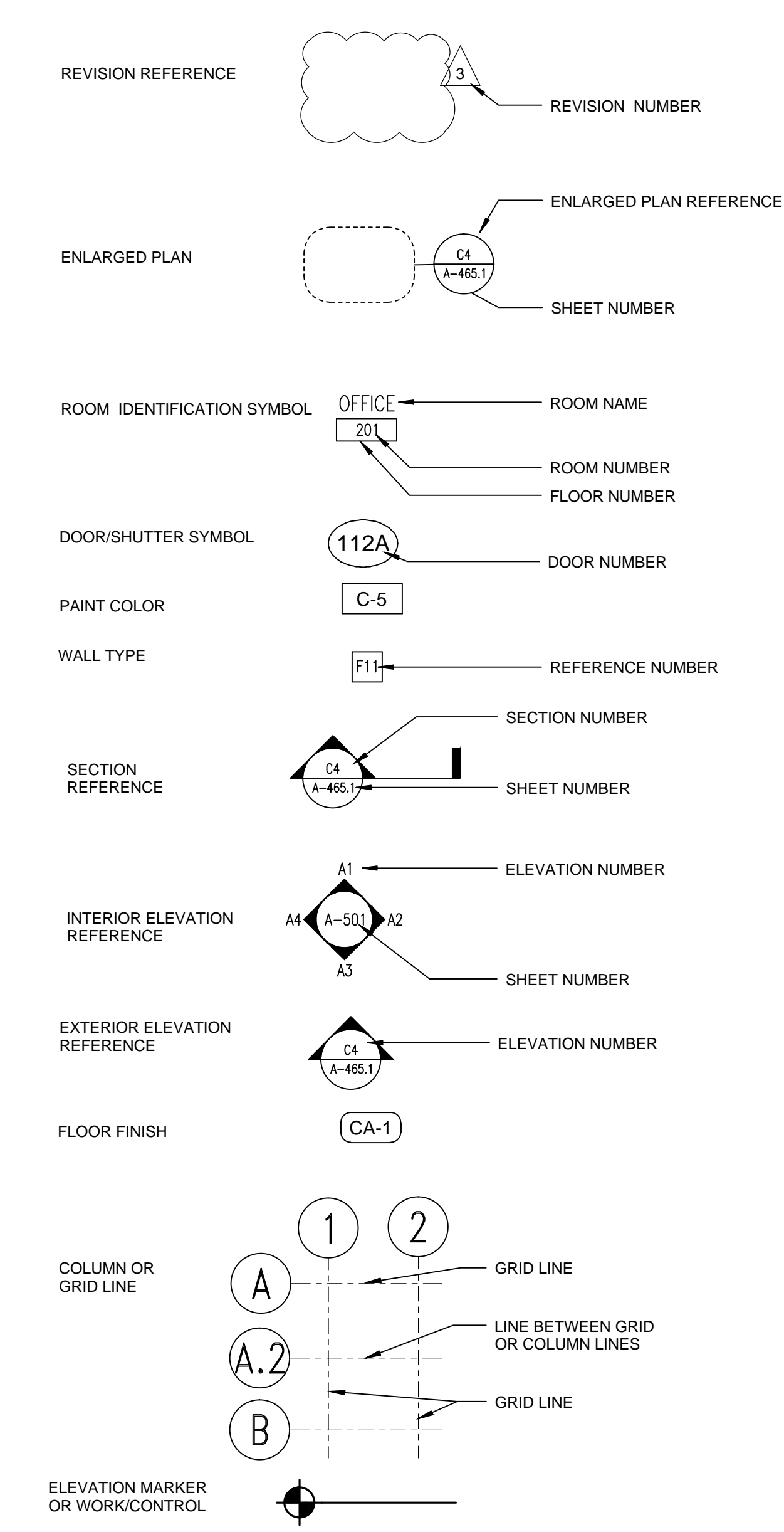
A		M	
ACT	ACOUSTICAL CEILING TILE	MAINT	MAINTENANCE/ MAINTAIN
ADJ	ADJACENT	MAS	MASONRY
ADMIN	ADMINISTRATION	MAT	MATERIAL
AFG	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AGG	AGGREGATE	MDC	MAGNOLIA DESIGN CENTER
AHJ	AUTHORITY HAVING JURISDICTION	MECH	MECHANICAL
AL	ALUMINUM	MEMB	MEMBRANE
ALT	ALTERNATE/ALTERATION	MHT	MAGNOLIA HOME THEATRE
ANDD	AND/OR	MP	MUSICAL INSTRUMENT
APPROX	APPROXIMATE	MT	METAL PANEL
ARCH	ARCHITECT/ARCHITECTURAL	MTL	ENTRY MATT CARPET TILE
ASPH	ASPHALT	MTL	METAL
AVE	AVENUE	MEZZ	MEZZANINE
		MFR	MANUFACTURER
		MIR	MIRROR
		MO	MASONRY OPENING
B		N	
BBY	BEST BUY STORES L.P.	N	NORTH
BC	BOTTOM OF CURB	NIC	NOT IN CONTRACT
BD	BOARD	NO./ #	NUMBER
BLDG	BUILDING	NOM	NOMINAL
BLKG	BLOCKING	NTS	NOT-TO-SCALE
BLVD	BOULEVARD		
BO	BOTTOM OF		
BRG	BEARING		
BTWN	BETWEEN		
C		O	
CJ	CONTROL JOINT	OC	ON-CENTER
CL	CENTER LINE	OFD	OVERFLOW DRAIN
CLG	CEILING	OPNG	OPENING
CLKG	CEILING	OPP	OPPOSITE
CMU	CONCRETE MASONRY UNITS		
CO	CLEAN OUT	P	
COL	COLUMN	P	PRECAST
CONC	CONCRETE	PERF	PERFORATED
CONT	CONTINUOUS	PH	PHASE
COORD	COORDINATE	PL	PLASTIC LAMINATE
CTR	CENTER	PLYW	PLYWOOD
		PNL	PANEL
		PP	PUSH PLATE
		PR	PAIR
		PT	PRESSURE TREATED
		PTN	PREFABRICATED
		PVMT	PARTITION PAVEMENT
D		Q	
db	DECIBEL	QTR	QUARTER
DEPT	DEPARTMENT		
DET	DETAIL		
DF	DRINKING FOUNTAIN		
DIAMETER			
DIA	DIAGONAL		
DN	DOWN		
DSP	DOWN SPOUT		
DWG	DRAWING		
E		R	
EA	EACH	RAD	RADIUS
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	RB	RUBBER-BASE
EJ	EXPANSION JOINT	RCP	REFLECTED CEILING PLAN
ELEV	ELEVATION	RD	ROOF DRAIN
ELEC	ELECTRICAL	RECEIP	RECEPTION
EMERG	EMERGENCY	RECT	RECTANGLE
EP	ELECTRICAL	RECT	RECTANGULAR
EP	PANELBOARD/ END PANEL	REIN	REINFORCED
EQ	EQUAL	REQ	REQUIRED
EXST (E)	EXISTING TO REMAIN	RES	RESILIENT
EXT	EXTERIOR	REV	REVISION
		RM	ROOM
		RO	ROUGH OPENING
		ROW	RIGHT OF WAY
		RWL	RAINWATER LEADER
F		S	
FCIC	FURNISHED AND INSTALLED BY CONTRACTOR	SAN	SANITARY
FDC	FLOOR DRAIN	SC	SCHEDULE
		SECT	SECTION
FDN	FOUNDATION	SFT	SQUARE FEET
FE	FIRE EXTINGUISHER	SHT	SHEET
FEC	FIRE EXTINGUISHER CABINET	SPEC	SPECIFICATION
FIN	FINISH	SS	SQUARE
FL	FLOOR	SS	SERVICE SINK
FM	FROM/ FACTORY MUTUAL	SST	STAINLESS STEEL
	RESEARCH CORP.	STD	STONE
FO	FACE OF	STD	STANDARD
FOIC	FURNISHED BY OWNER	STL	STEEL
	INSTALLED BY CONTRACTOR	STOR	STORAGE
FOIO	FURNISHED BY OWNER	SURF	SURFACE
	INSTALLED BY OWNER	SUSP	SUSPENDED
FRT	FIRE RETARDANT TREATED	SYM	SYMMETRICAL
FT	FOOT OR FEET		
FTG	FOOTING		
FURN	FURNACE/ FURNISH		
FURR	FURNISHING		
		T	
		TEL	TELEPHONE
		TEMP	TEMPORARY
		THK	THICK
		THR	THRESHOLD
		TO	TO
		TOIL	TOILET
		TOL	TOLERANCE
		TYP	TYPICAL
G		U	
GA	GAUGE	UBC	UNIFORM BUILDING CODE
GALV	GALVANIZED	UNFIN	UNFINISHED
GB	GRAB BAR	UNO	UNLESS NOTED OTHERWISE
GYP	GYPSUM	UTIL	UTILITY
H		V	
H	HIGH	VAR	VARIES
HB	HOSE BIB	VERT	VERTICAL
HC	HANDICAPPED	V.I.F.	VERIFY IN FIELD
	HOLLOW-CORE WOOD	VOL	VOLUME
HORIZ	HORIZONTAL	VCT	VINYL COMPOSITE TILE
		W	
I		W	WATT
INSUL	INSULATION	WO	WITHOUT
INT	INTERIOR	WTH	WITH
ISC	INSTALLATION SERVICE CENTER	WAIN	WAINSCOT
		WC	WATER CLOSET
J		WD	WOOD
JAN	JANITOR	WH	WATER HEATER
JST	JOIST		
JT	JOINT		
K			
KO	KNOCKOUT		
KP	KICK PLATE		
L			
LAM	LAMINATED		
LAV	LAVATORY		
LKR	LOCKER		
LL	LIVE LOAD		
LP	LOW POINT		
L.P.	LOSS PREVENTION		
LT	LIGHT		
LWT	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 PERMITS.
- 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.
- THE OWNER WILL PAY ALL APPLICABLE ENVIRONMENTAL UTILITIES FEES AT BUILDING PERMIT ISSUANCE.
- GENERAL CONTRACTOR TO THOROUGHLY REVIEW THESE DRAWINGS, VISIT THE SITE, VERIFY ALL DIMENSIONS BEFORE SUBMITTING A BID, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- 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:
 - SPRINKLER SYSTEM
 - 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.
- ALL EXISTING FIRE LANES TO BE MAINTAINED.
- ALL EXISTING PUBLIC UTILITY PARKING, CROSS ACCESS, ELECTRIC EASEMENTS, ETC. SHALL BE CONFIRMED AND MAINTAINED.
- 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.
- 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.
- 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% FOR DISABLED ACCESS.
- 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.
- REPAIR EXISTING PUBLIC FACILITIES DAMAGED DURING THE COURSE OF CONSTRUCTION TO THE SATISFACTION OF AUTHORITY HAVING JURISDICTION.
- ALL BUILDING HEIGHTS AND ELEVATIONS SHALL BE MEASURED FROM FINISH FLOOR UNLESS OTHERWISE NOTED.
- ENSURE ALL FINISH MATERIALS WILL BE FLUSH WITH ADJACENT SURFACES AND JOINTS, (EXCEPT WHERE INDICATED OTHERWISE).
- ALL EXPOSED FLASHING AND EXPOSED METAL TO MATCH ADJACENT FINISH.
- PRIOR TO THE ISSUANCE OF A BUILDING PERMIT ALL APPLICABLE FEES SHALL BE PAID. THESE FEES 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 IMPACT FEES.
- 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.
- 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.
- 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.
- 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.
- ALL COLUMN LINES SHOWN ON FLOOR PLANS WILL HAVE COLUMN LINE INDICATOR BUBBLES SHOWN ON THEM. THESE BUBBLES ARE FOR REFERENCE ONLY. THE COLUMNS ARE NUMBERED ON THE STRUCTURAL DRAWINGS.
- 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 CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE ALL TRADES.
- CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS AND DIMENSIONS AND REQUIRED CLEARANCES OF ALL EQUIPMENT (REFER TO DRAWINGS, SPECIFICATIONS, AND EQUIPMENT MANUALS & CUT SHEETS).
- ALL SYMBOLS, ABBREVIATIONS, AND NOTES MARKED "TYPICAL" OR "TYP." SHALL APPLY IN ALL SIMILAR CIRCUMSTANCES, UNLESS NOTED OTHERWISE.
- EXISTING SPRINKLER SYSTEM TO REMAIN. THE SPRINKLER CONTRACTOR SHALL CONFIRM ANY MODIFICATIONS REQUIRED BY THE CITY TO MEET THE LOCAL FIRE DEPARTMENT REQUIREMENTS.
- 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.

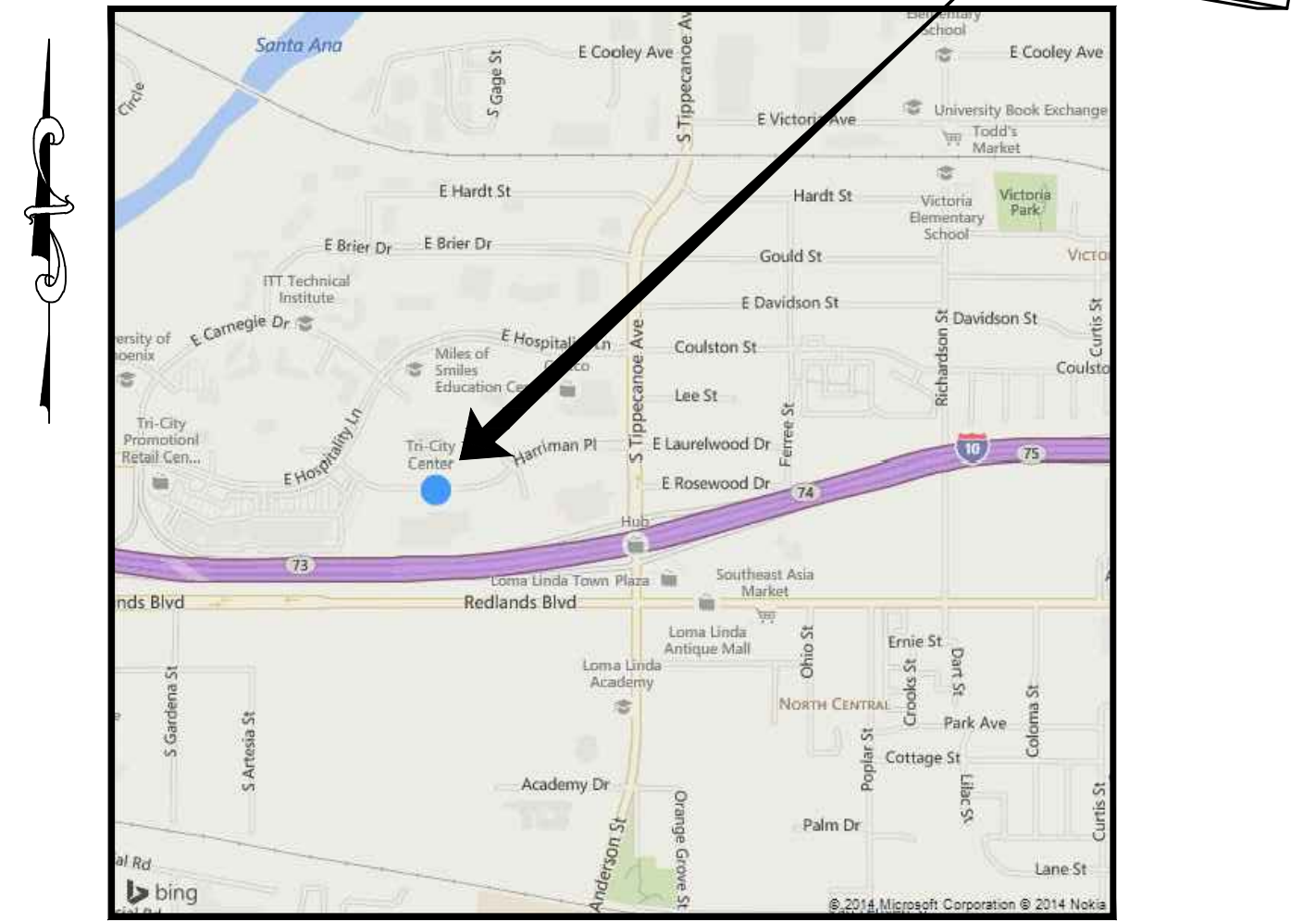
REVISIONS

SYMBOLS



VICINITY MAP

888 HARRIMAN PL.
SAN BERNARDINO, CA 92408



AUTHORITY HAVING JURISDICTION

CITY OF SAN BERNARDINO
300 NORTH D STREET
SAN BERNARDINO, CA 92418
CONTACT:
PHONE: (909) 384-5071

BEST BUY CO. CONTACTS

DEVELOPMENT MANAGER:
CONTACT: TIM PALMQUIST
E-MAIL: timothy.palmquist@bestbuy.com

CONSTRUCTION MANAGER:
CONTACT: DAVID DENEUI
E-MAIL: david.deneui@bestbuy.com



ARCHITECT

SGA DESIGN GROUP
DARYL L. BRAY, ARCHITECT
1437 S. BOULDER AVENUE, SUITE 550
TULSA, OK 74119
PHONE: (918) 587-8600
FAX: (918) 587-8601
CONTACT:
HAL STAPLES
EMAIL: hals@sgadesigngroup.com

ARCHITECT PROJECT #1442009

STRUCTURAL

N/A

MECHANICAL, PLUMBING & ELECTRICAL

DUNHAM ASSOCIATES OF MINNESOTA, INC.
50 SOUTH SIXTH STREET, SUITE 1100
MINNEAPOLIS, MN 55402-1540
PHONE: (612) 465-7550
CONTACT:
TROY ROLPH
EMAIL: troy.rolph@dunhameng.com

FIRE PROTECTION

ANY MODIFICATION TO SPRINKLER SYSTEM OR FIRE ALARM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNDER A SEPARATE PERMIT.

RACKING

N/A

CIVIL

N/A

DOORS, FRAMES, AND HARDWARE

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

CONTRACTOR

TBD

SHEET INDEX

ARCHITECTURAL	
CS1.0	COVER SHEET
SA1.0	EXISTING SITE ACCESSIBILITY
D1.0	DEMOLITION PLAN
A1.0	FLOOR PLAN & LIFE SAFETY PLAN
A3.0	FINISH PLAN & SCHEDULES
A8.0	RESTROOMS, ACCESSIBILITY & DETAILS
A8.1	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	
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F-2	FIXTURE SIGN PLAN
F-4	FIXTURE EXTENSION PLAN AND DETAILS
F-5	FIXTURE EXTENSION DETAILS
F-7	PAC SALES CABINET PLAN
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PLUMBING	
P2.0	ENLARGED PLUMBING PLANS AND DETAILS
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E1.0	ELECTRICAL LIGHTING PLAN
E1.1	APPLE PAD 4 TABLE
E1.2	ENLARGED APPLE MOBILITY PAD
E1.3	ENLARGED POWER PLAN
E2.0	ENLARGED PAC SALES PLAN
E3.0	PANELBOARD SCHEDULES AND RISERS
E3.1	PANELBOARD SCHEDULES AND RISERS
E4.0	ELECTRICAL DETAILS
E5.0	T-24 FORMS
E5.1	T-24 FORMS
E5.2	T-24 FORMS
ELC1	ELECTRICAL LIGHTING CONTROL
REVISION NUMBER	
REVISION NUMBER	

SGA Design Group
Daryl L. Bray, Architect
1437 South Boulder, Suite 550
Tulsa, Oklahoma 74119-5909
Phone: (918) 587-8600
Fax: (918) 587-8601
www.sgadesigngroup.com

CS1.0

CS1.0

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CS1.0

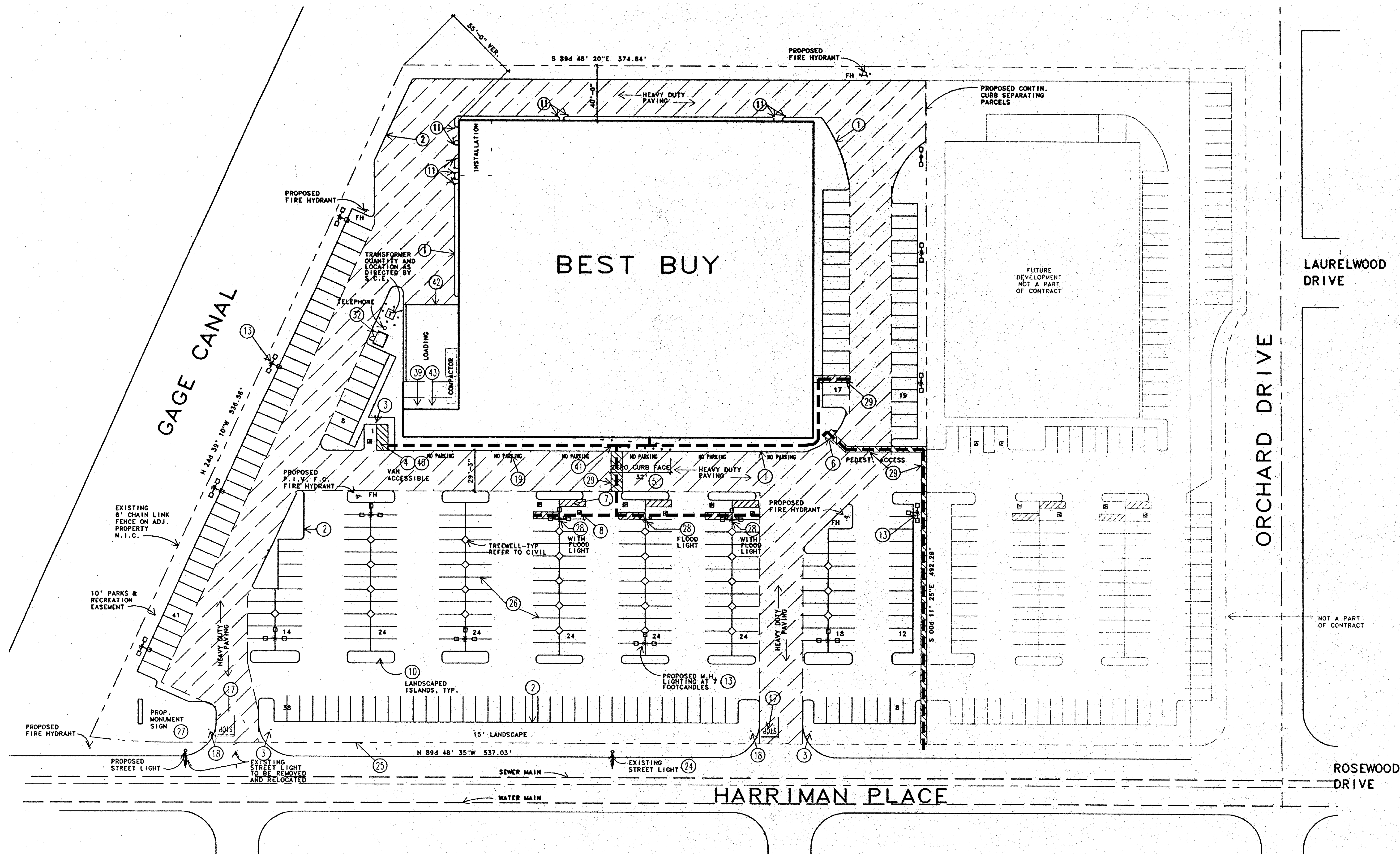
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1 EXISTING SITE ACCESSIBILITY PLAN
SCALE: NTS

SYMBOLS LEGEND	
---	EXISTING ACCESSIBLE PATH OF TRAVEL TO PUBLIC WAY AND ACCESSIBLE PARKING ON BEST BUY PROPERTY

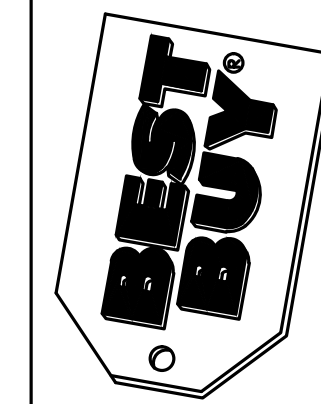
- NOTES
- THIS DRAWING IS FOR ARCHITECTURAL REFERENCE ONLY AND IS BASED ON THE ORIGINAL ARCHITECTURAL SITE PLAN BY MCG ARCHITECTS ISSUED JANUARY 31, 1995. THE SCOPE OF WORK OF THIS REMODEL IS LIMITED TO THE INTERIOR OF THE BUILDING.
 - BEST BUY IS RESPONSIBLE TO PERFORM THE WORK IDENTIFIED IN THE REPORT 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.

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EXISTING SITE ACCESSIBILITY

SA1.0

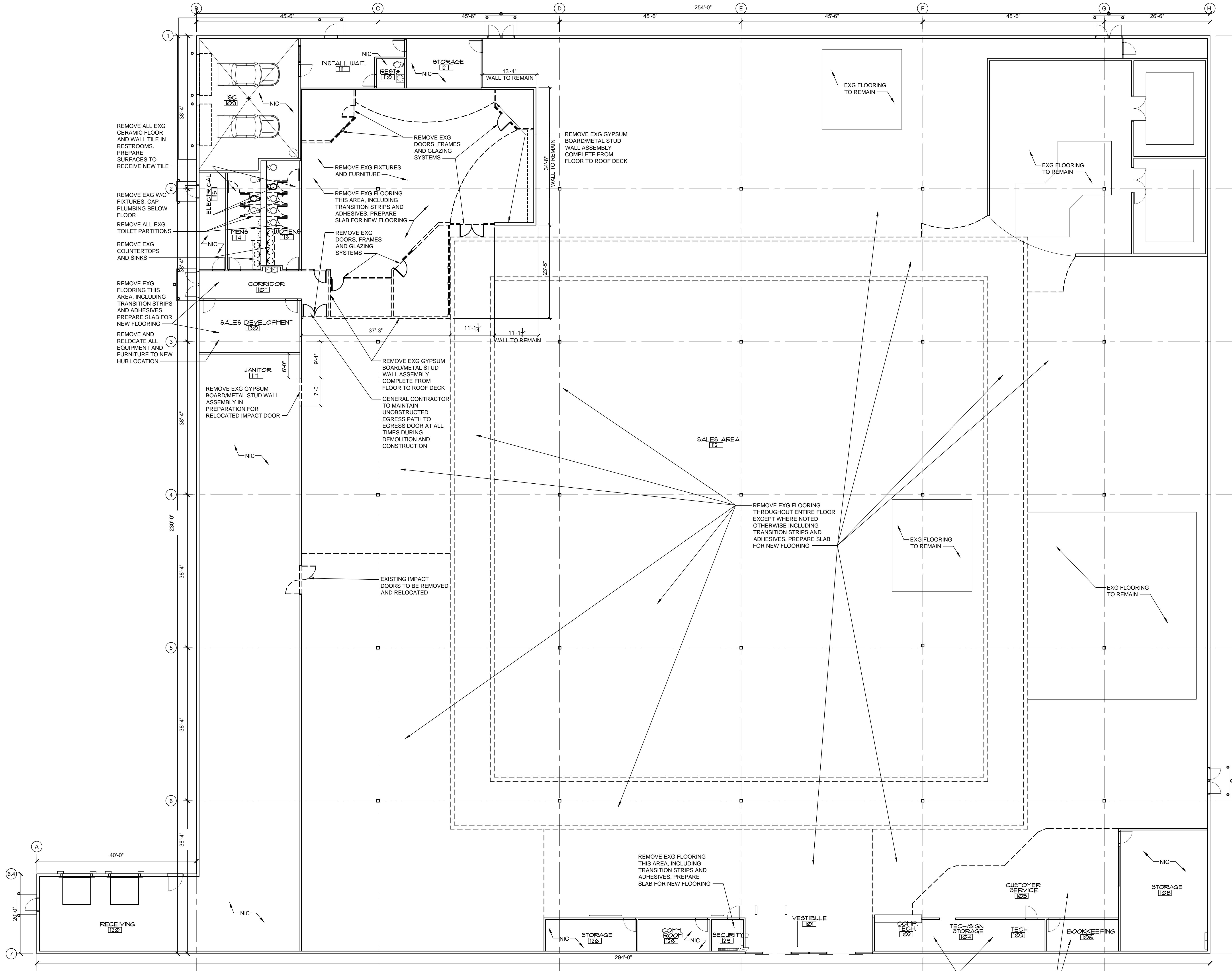
San Bernardino, CA
888 Harriman Pl.
San Bernardino, CA 92408



SQ. FT. CALCS	
RETAIL:	47,958 SF
OFFICES:	1,790 SF
STORAGE/REMAINING:	7,635 SF
INSTALL:	1,148 SF
TOTAL:	58,531 SF
CONCEPT:	
45K C3-2	
CONCEPT DATE:	
04/21/2014	
G.O. -21 FUTURE REL.	
XX.XX.10	
G.O. -13 FINAL REL.	
XX.XX.10	
PROTOTYPE DATE:	
02/12/2014	
STORE NUMBER:	
0150	

ARCHITECT
SEALED
CONSULTANT
SEALED

SCA Design Group
1437 South Boulder, Suite 500
Tulsa, Oklahoma 74119-5909
P 918.587.5900
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www.scdesigngroup.com



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

DEMOLITION NOTES

- SEE MECHANICAL SHEETS FOR COMPLETE MECHANICAL DEMOLITION SCOPE.
- SEE ELECTRICAL SHEETS FOR COMPLETE ELECTRICAL DEMOLITION SCOPE.
- EXISTING INTERIOR/EXTERIOR DOORS TO REMAIN. CLEAN AND REPAIR AS REQ'D TO LIKE NEW CONDITION (U.N.O.)
- EXISTING LAY-IN CEILING GRID TO REMAIN. REPAIR/REPLACE ANY DAMAGED ACT AS REQUIRED.
- FIXTURE SPECIALIST UNDER CONTRACT TO G.C. FIXTURE SPECIALIST TO COORDINATE WITH BEST BUY TO SPECIFY THE REPLACEMENT OR RELOCATION OF EXISTING FIXTURES.
- 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 7415.
- 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.
- REMOVE FLOOR RECEPTACLES IN LVT AREA & FILL TO CREATE FLUSH SURFACE.
- CONTRACTOR SHALL SAVE ENOUGH EXISTING FLOOR IN PAC SALES AREAS FOR USE IN PATCHING WITH NEW FLOORING. COORDINATE WITH BEST BUY CONSTRUCTION MANAGER.

DEMOLITION EXISTING DEBRIS TO BE REMOVED FROM THE SITE. SEE MECHANICAL SHEETS FOR COMPLETE MECHANICAL DEMOLITION SCOPE. SEE ELECTRICAL SHEETS FOR COMPLETE ELECTRICAL DEMOLITION SCOPE. EXISTING INTERIOR/EXTERIOR DOORS TO REMAIN. CLEAN AND REPAIR AS REQ'D TO LIKE NEW CONDITION (U.N.O.)

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ARCHITECT

CONSULTANT

SQ. FT. CALCS

RETAIL:	47,958 SF
OFFICES:	1,790 SF
STORAGE/REMAINING:	7,635 SF
INSTALL:	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

BEST BUY

San Bernardino, CA
888 Hartman Pl.
San Bernardino, CA 92408

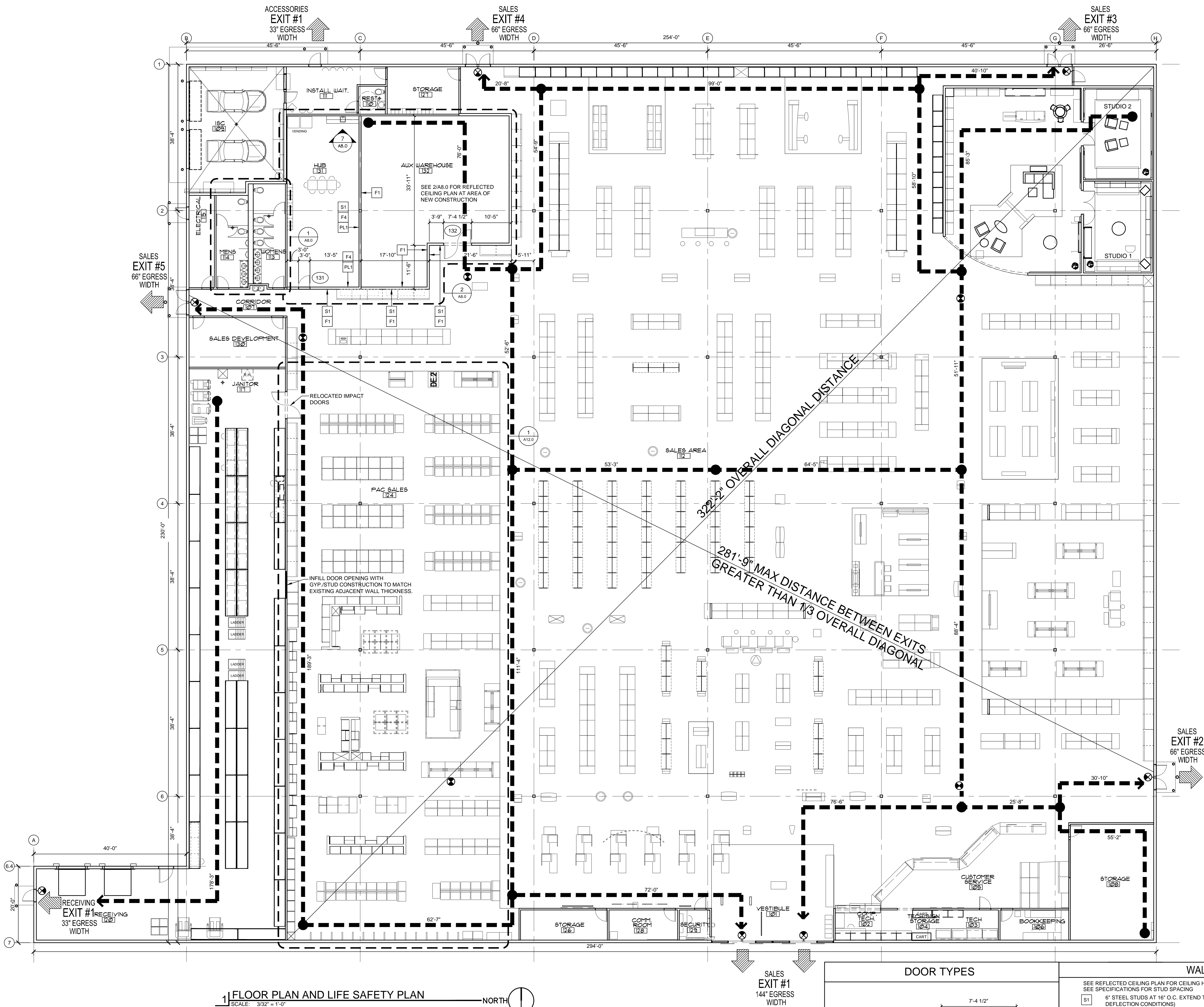
PERMIT SET
12/12/2014

REV	DATE
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REVISIONS

DEMOLITION PLAN

D1.0



1 FLOOR PLAN AND LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"

HARDWARE SCHEDULE

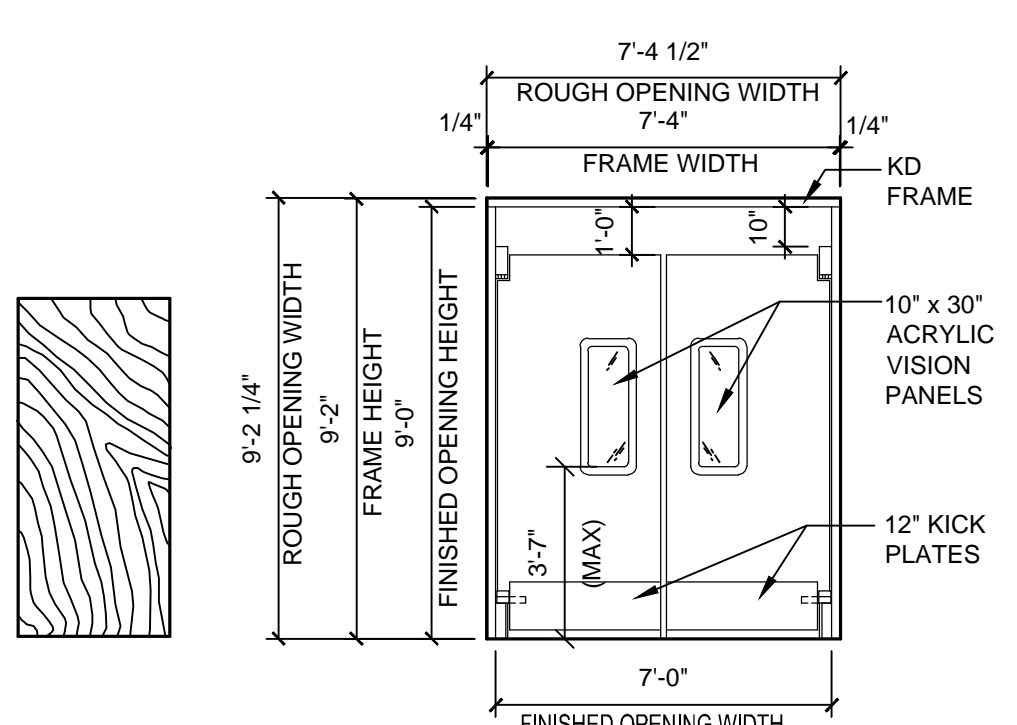
HARDWARE GROUP #4A				
HINGES	1 1/2	PR		
PASSAGE SET - D-10	1	EA		
LCN THRIFTY CLOSER	1	EA		
WALL DOOR STOP	1	EA		
SILENCERS (INCLUDED IN FRAME)	3	EA		
KICKPLATE 10" x 34" BOTH SIDES	2	EA		

DOOR SCHEDULE

NO.	ROOM	TYPE	DOOR SIZE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE GROUP	REMARKS
131	HUB	B	3'-0" X 7'-0"	S.C. WOOD	PAINT [C-8] SEMI-GLOSS	H.M.	PAINT [C-8] SEMI-GLOSS	4A	PROVIDE SIGN "EMPLOYEES ONLY"
132	AUX WAREHOUSE	H	7'-0" X 8'-0"	BY MANUF.	BY MANUF.	H.M.	BY MANUF.	-	BULKHEAD AT 9'-0" A.F.F.

NOTES:
1. ALL H.M. DOORS, FRAMES, AND STRUCTURAL COLUMNS BELOW JOIST TO COME WITH A FACTORY FINISH OF OIL BASE PRIMER (GRAY).

DOOR TYPES



WALL TYPES LEGEND

SEE REFLECTED CEILING PLAN FOR CEILING HEIGHTS SEE SPECIFICATIONS FOR STUD SPACING	
S1	6" STEEL STUDS AT 16" O.C. EXTEND TO UNDERSIDE OF ROOF DECK. (PROVIDE FOR DEFLECTION CONDITIONS)
F1	5/8" TYPE 'X' GYP. BD. TO UNDERSIDE OF ROOF DECK.
F4	5/8" GYP. BD. OVER 1/2" CDX PLYWOOD (FIRE TREATED AS REQUIRED BY CODE) TO 6" ABOVE CEILING HEIGHT.
PL1	IMPACT RESISTANT WALL PANEL WITH 'J' MOLDING, TO 50" A.F.F., UNLESS NOTED OR SHOWN IN ELEVATIONS. SEE 10A/3.0

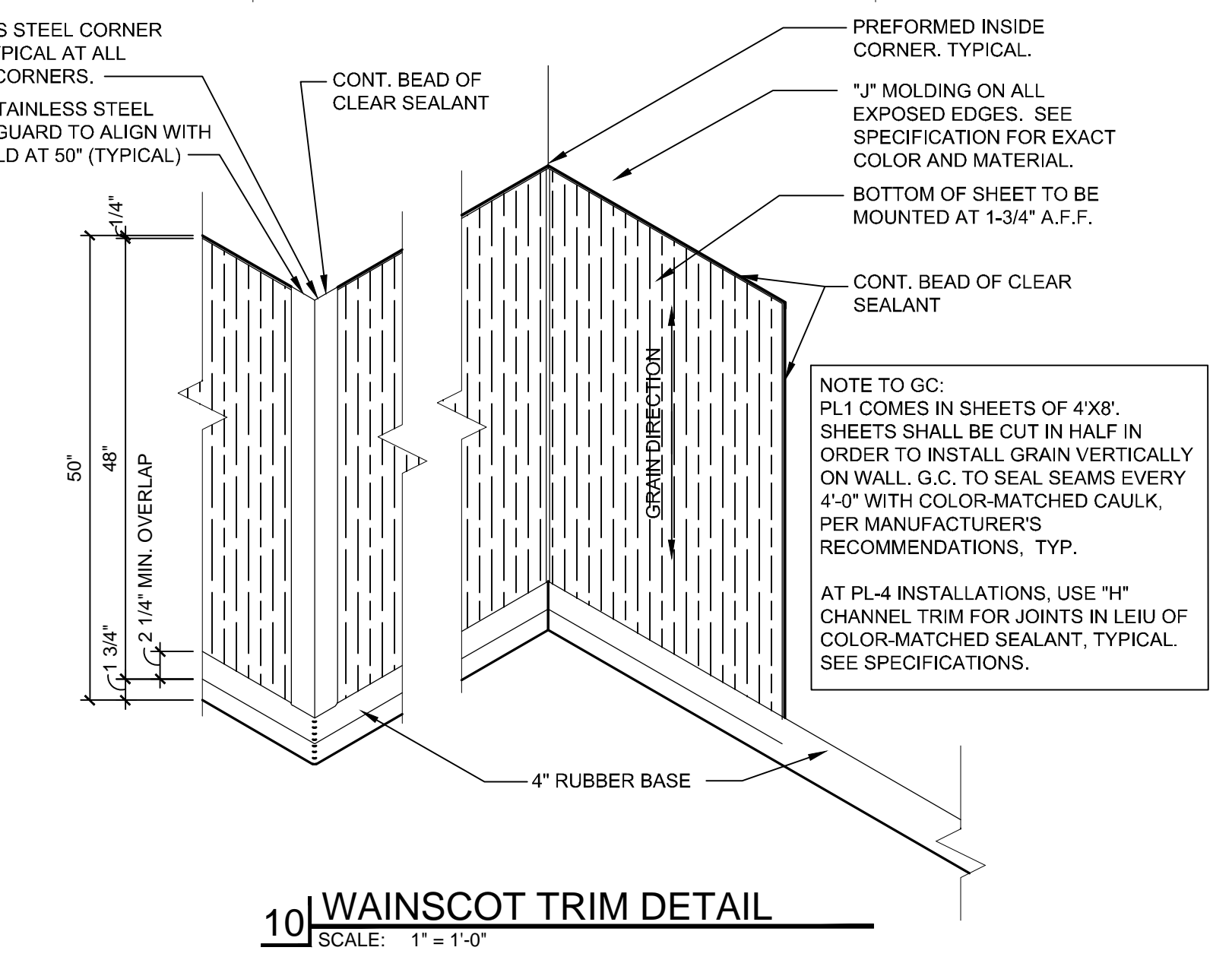
SYMBOLS LEGEND

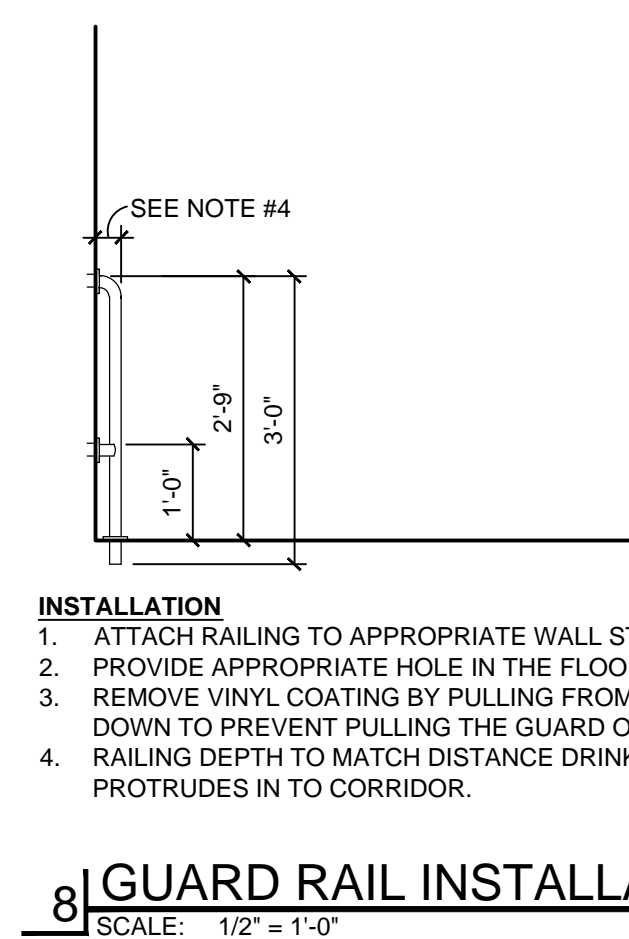
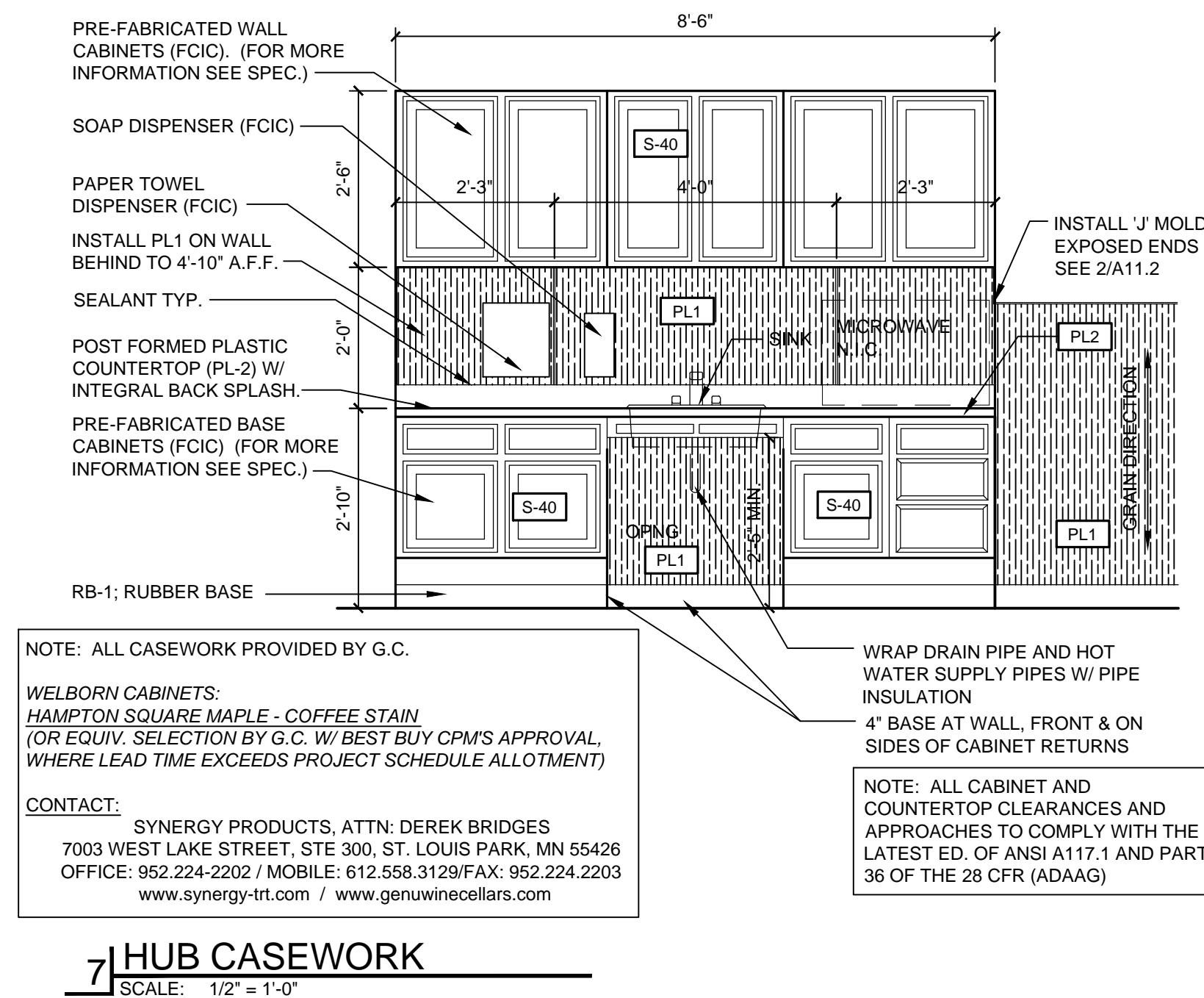
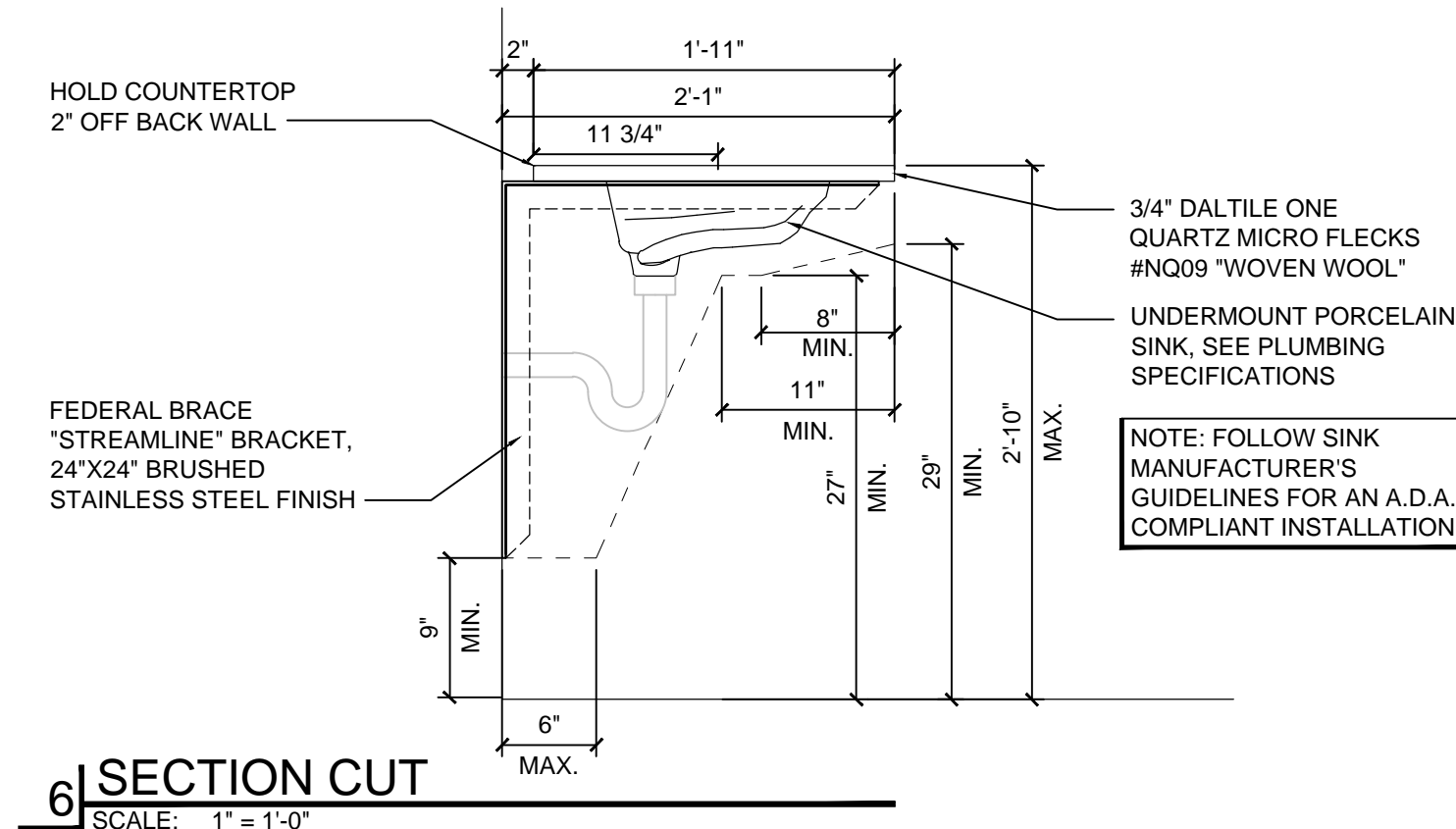
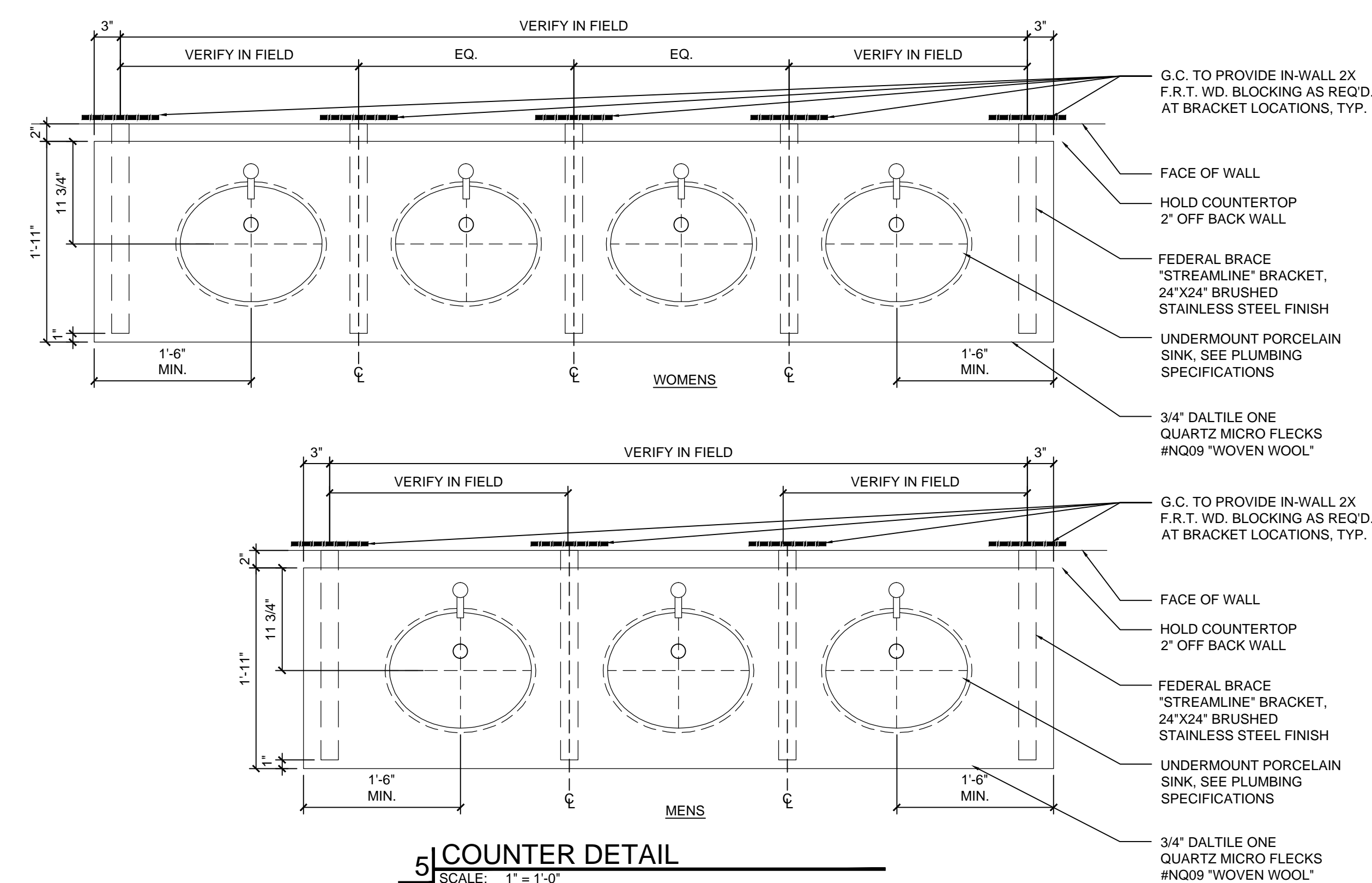
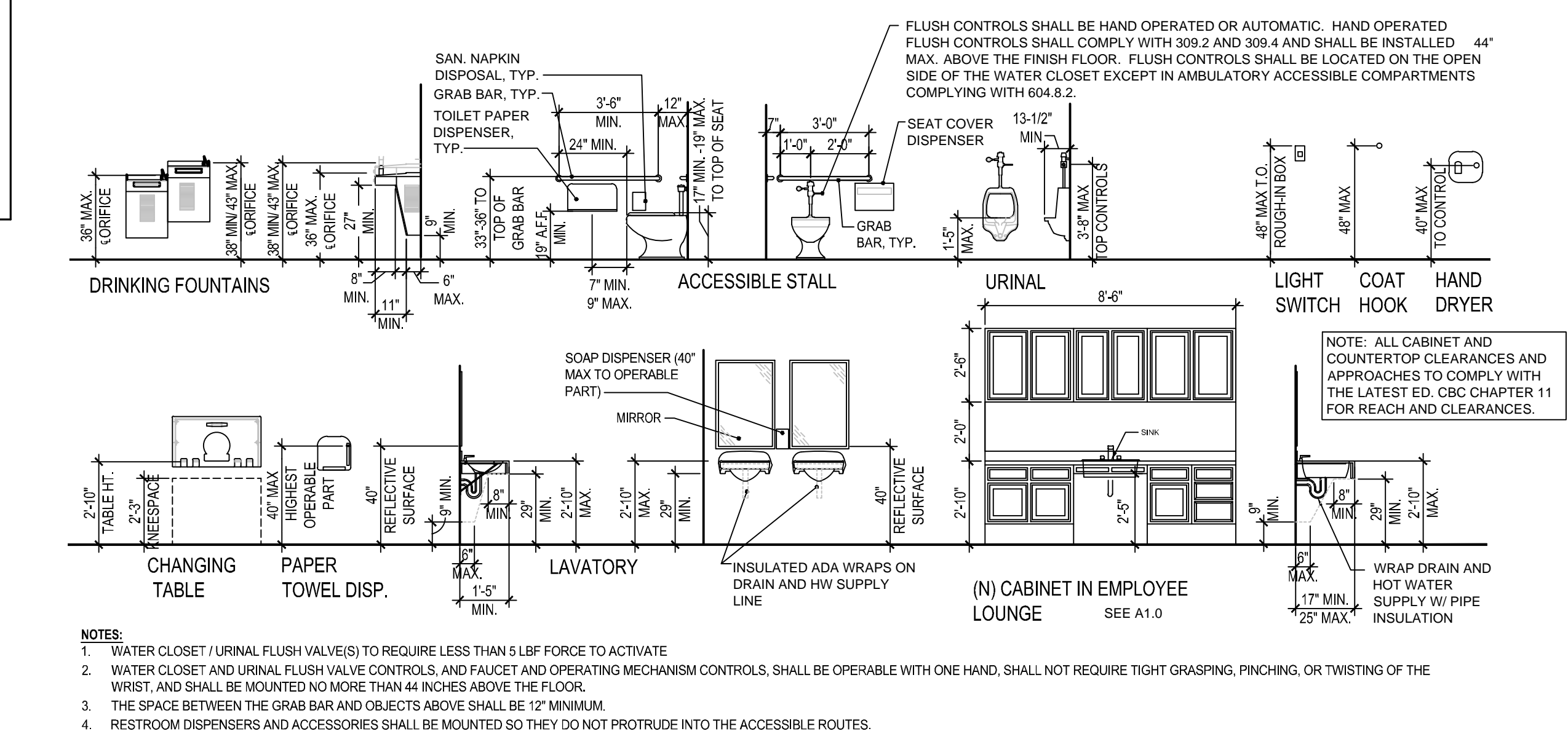
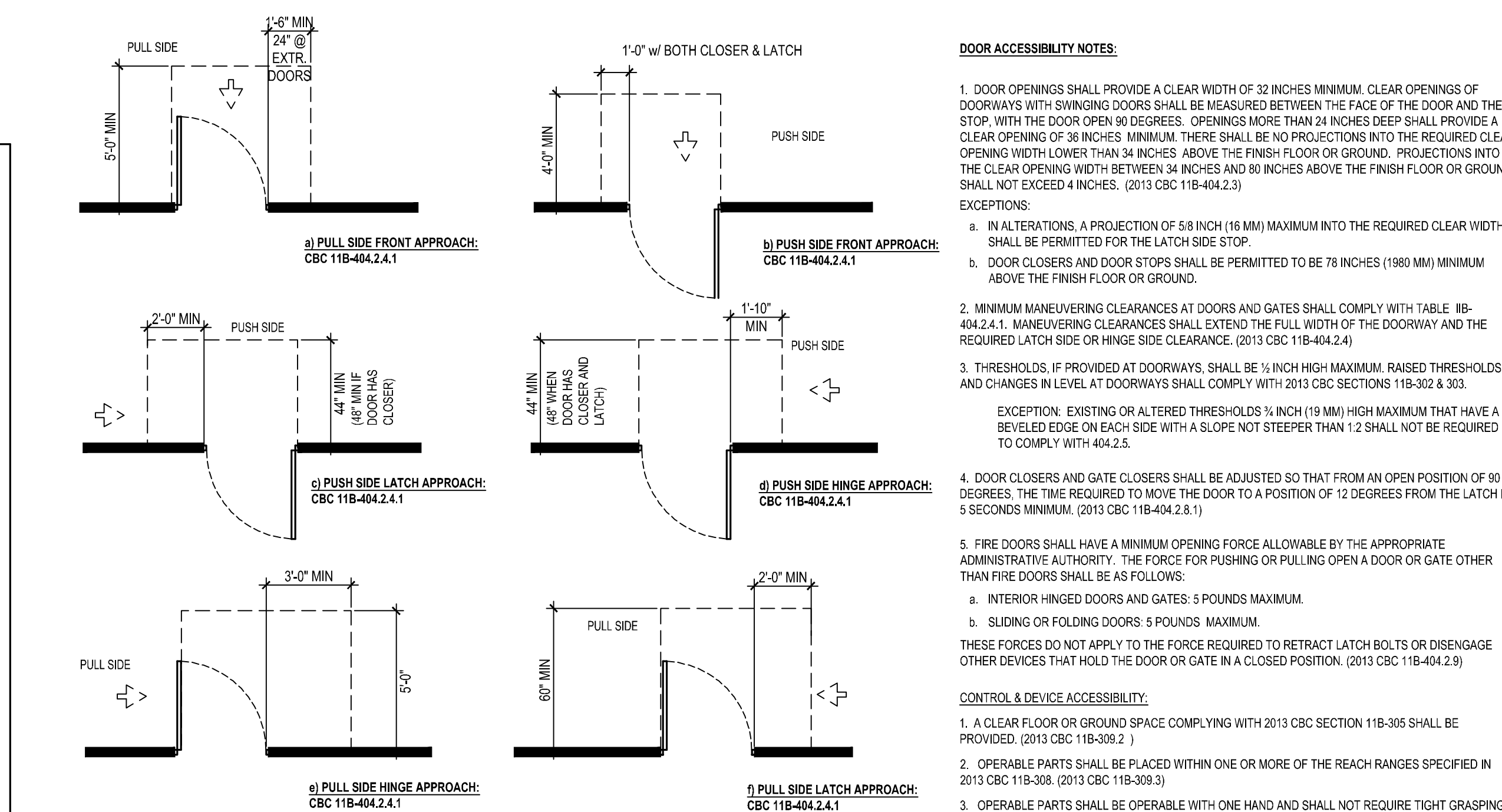
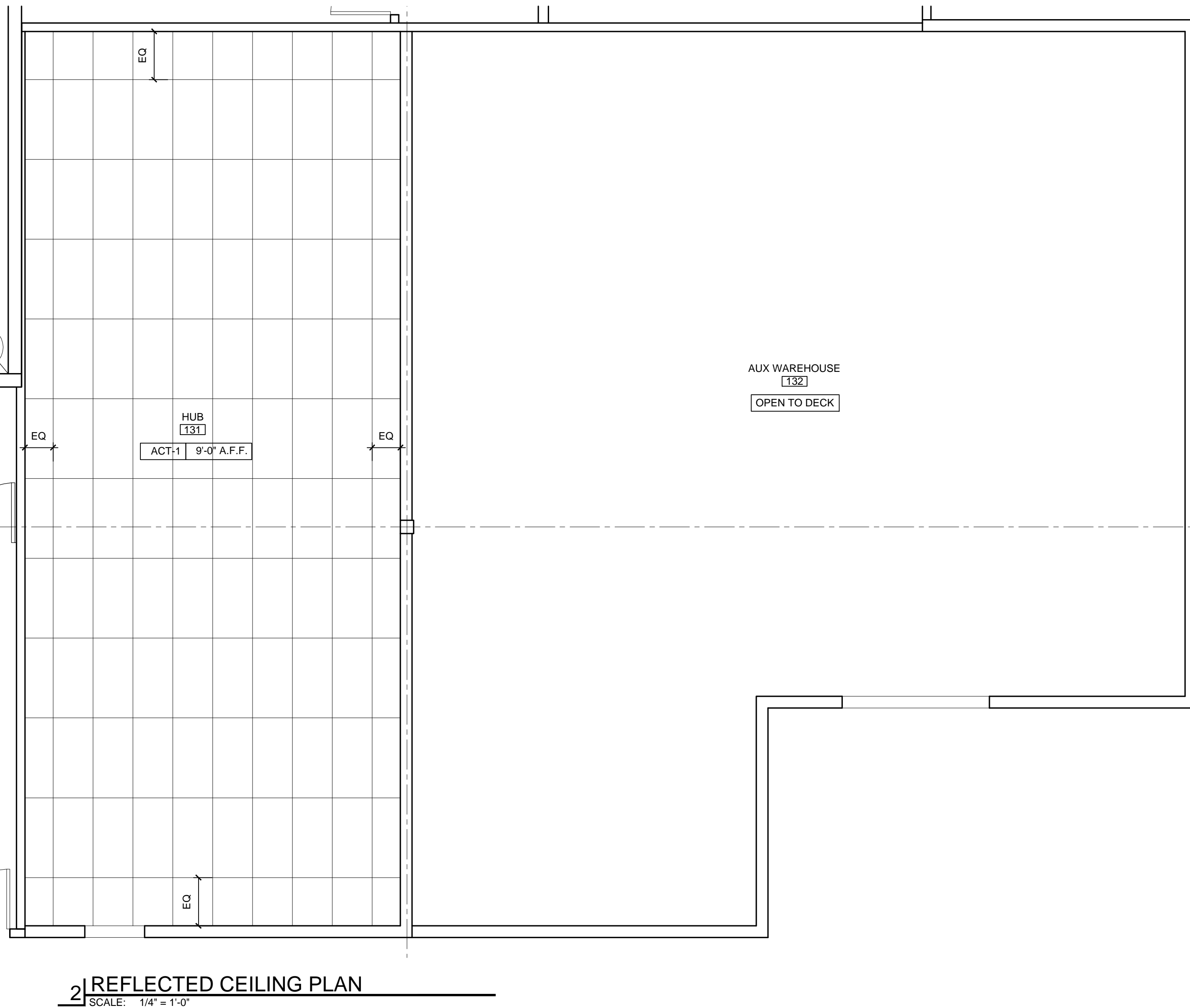
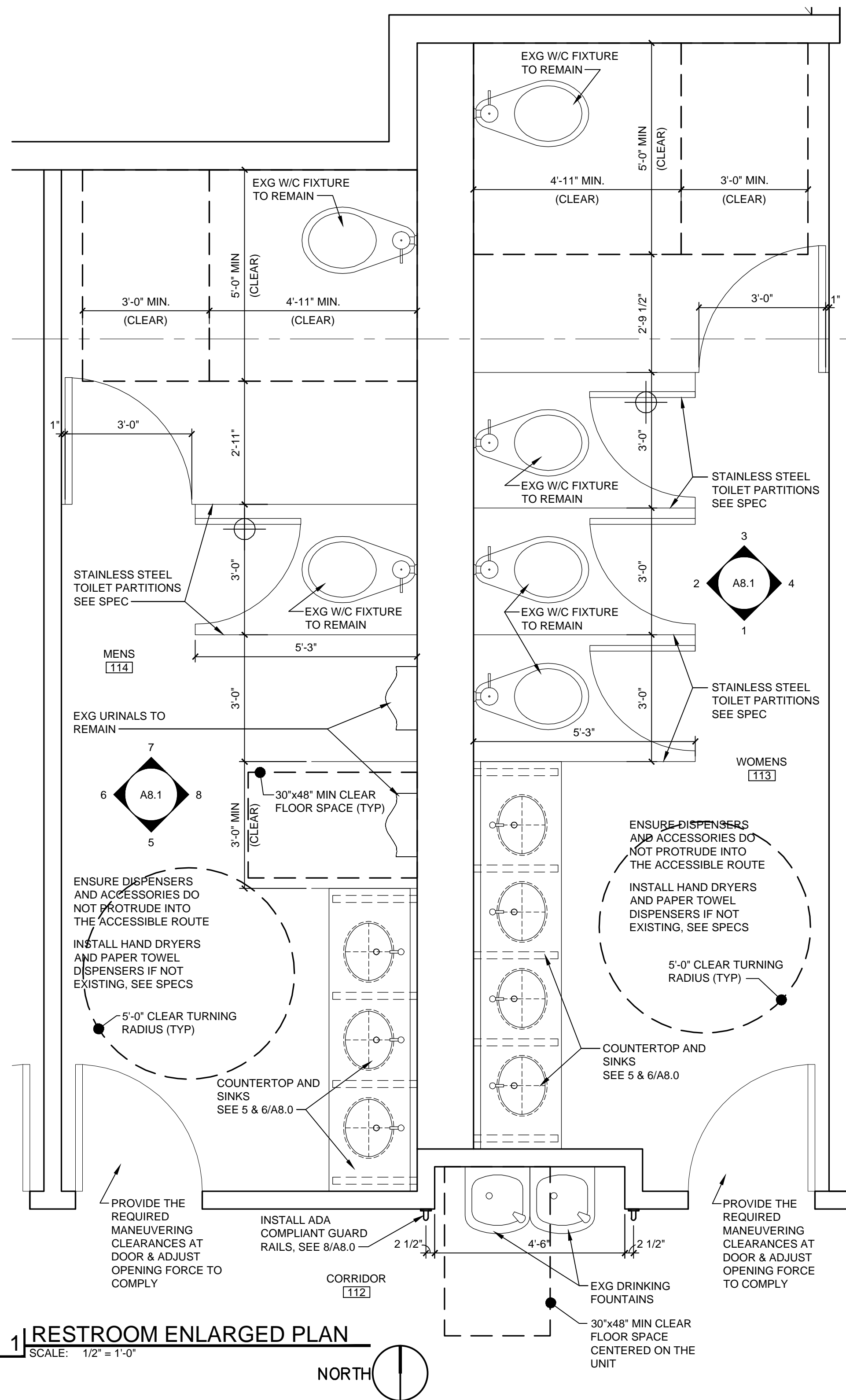
	EXIT SIGN
	EXIT PATHWAYS

SHEET NOTES

- ALL EGRESS IS EXISTING TO REMAIN.
- SCOPE OF WORK FOR REMODEL INCLUDES NEW WALL ASSEMBLIES AND CEILING SYSTEM AT HUB AND AUX WAREHOUSE, NEW FLOOR FINISHES, NEW WALL FINISHES, NEW SALES FLOOR FIXTURES, MISC. ELECTRICAL WORK AND MISC. HVAC WORK.
- ALL BUILDING EXIT SIGNS AND EMERGENCY LIGHTS ARE EXISTING TO REMAIN. GC TO COORDINATE WITH FIRE MARSHAL HAVING AUTHORITY REGARDING INSPECTION AND REQUIREMENTS FOR ADDITIONAL EXIT SIGNS OR OTHER LIFE SAFETY ELEMENTS.
- GC TO COORDINATE WITH FIRE MARSHAL FOR NEW FIRE EXTINGUISHER LOCATIONS.
- ALL ROOM DIMENSIONS ARE INSIDE WALL CLEAR DIMENSIONS.
- PROVIDE DEEP LEG TOP TRACK NOT FASTENED TO STUDS TO ALLOW FOR VERTICAL EXPANSION OF WALLS & ROOF STRUCTURE. ADDITIONALLY, PROVIDE VERTICAL EXPANSION JOINTS AS REQUIRED TO PREVENT CRACKS IN WALLS.
- ALL WOOD BLOCKING, PLYWOOD SHEATHING, ETC. UTILIZED SHALL BE FIRE RETARDANT TREATED, TYP.

- I. APPLICABLE CODES:
- | | |
|-----------------------|---|
| A. BUILDING CODE | 2013 CALIFORNIA BUILDING CODE (CBC) |
| B. PLUMBING CODE | 2013 CALIFORNIA PLUMBING CODE (CPC) |
| C. MECHANICAL CODE | 2013 CALIFORNIA MECHANICAL CODE (CMC) |
| D. ELECTRICAL CODE | 2013 CALIFORNIA ELECTRICAL CODE (CEC) |
| E. FIRE CODE | 2013 CALIFORNIA FIRE CODE (CFO) |
| F. SUSTAINABILITY | 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE |
| G. ACCESSIBILITY CODE | 2013 CALIFORNIA BUILDING CODE, CH. 11 |
| H. ENERGY CODE | 2013 CALIFORNIA ENERGY CODE |
- II. BUILDING INFO
- | | |
|-----------------------|--------------------------|
| A. CONSTRUCTION TYPE: | III-B, FULLY SPRINKLERED |
| B. SQUARE FOOTAGE: | 58,531 SF |
| C. OCCUPANCY : | M - MERCANTILE |
- III. FIRE SUPPRESSION SYSTEM
- A. FULLY SPRINKLERED
- IV. OCCUPANT LOAD
- | | |
|----------------------------------|---------------------------|
| A. SALES SPACE (M): | 47,958 SF/30 = 1,599 OCC. |
| B. OFFICE (B): | 1,790 SF/100 = 18 OCC. |
| C. MECHANICAL (S-1): | 320 SF/300 = 2 OCC. |
| D. STORAGE/STACK/SHIPPING (S-1): | 7,315 SF/300 = 25 OCC. |
| E. CAR STEREO INSTALL (S-1): | 1,148 SF/300 = 4 OCC. |
| F. TOTAL OCCUPANTS: | 1,648 OCC. |
- V. EXIT CAPACITY
- | | |
|--|-------------------------|
| A. NUMBER OF EXITS REQUIRED: | 4 |
| B. NUMBER OF EXISTING EXITS PROVIDED: | 8 |
| C. EGRESS WIDTH REQUIRED: (0.15") | |
| 1. SALES FLOOR/OFFICES/MECH/WAREHOUSE/RESTROOMS: | 1,619 OCC X 0.15 = 243" |
| 2. STORAGE/STACK/SHIPPING: | 25 OCC. X 0.15 = 4" |
| 3. CAR STEREO INSTALL: | 4 OCC. X 0.15 = 1" |
| D. EGRESS WIDTH PROVIDED: | |
| 1. SALES FLOOR/OFFICES/MECH/WAREHOUSE/RESTROOMS: | 408" |
| 2. STORAGE/STACK/SHIPPING: | 33" |
| 3. CAR STEREO INSTALL: | 33" |
- VI. ARRANGEMENTS OF EXITS
- A. 180'-6" MAXIMUM TRAVEL DISTANCE TO AN EXIT (250' ALLOWABLE)
- B. AT LEAST 2 EXITS SHALL BE PLACED A DISTANCE APART EQUAL TO, BUT NOT LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA BEING SERVED.
- VII. OTHER LIFE SAFETY CONSIDERATIONS
- A. CORRIDOR WIDTH: 5'-0" (44" MIN.)
- B. DEAD END CORRIDOR: N/A (50' MAX.)
- C. EXIT DOOR WIDTH: 33" (32" MIN.)
- D. INTERIOR FINISHES: PAINTED GYP. BD., IMPACT RESISTANT PANEL
- E. INTERIOR FLOOR COVERINGS: CARPET, VINYL COMPOSITION TILE, SEALED CONCRETE
- F. FIRE PROTECTION: SPRINKLERS
- VIII. PLUMBING FIXTURE ANALYSIS
- A. BUILDING OCCUPANCY FOR PLUMBING CALCULATIONS
1. OCCUPANT LOAD
- A. 293 OCCUPANTS (58,531 / 200, CPC TABLE A)
- B. 147 MALE, 147 FEMALE RATIO
2. MINIMUM FACILITIES REQUIRED
- A. MALE - (147 OCCUPANTS)
- 1 - LAVATORY REQUIRED: 3 EXG. PROVIDED
- 2 - WATER CLOSET REQUIRED: 4 EXG. PROVIDED (2 WC, 2 URINALS)
- B. WOMEN - (147 OCCUPANTS)
- 1 - LAVATORY REQUIRED: 4 EXG. PROVIDED
- 2 - WATER CLOSETS REQUIRED: 4 EXG. PROVIDED
- C. DRINKING FOUNTAINS
- 2 - DRINKING FOUNTAINS REQUIRED: (2) EXG. PROVIDED (1 ACCESSIBLE)
- D. SERVICE SINK
- 1 - SERVICE SINKS REQUIRED: 1 PROVIDED
- B. UNISEX RESTROOM PROVIDED IN STEREO INSTALL AREA.
- IX. FIRE EXTINGUISHERS
- A. FIRE EXTINGUISHER SIZE & PLACEMENT TO BE INSTALLED PER NFPA 10 & ANY APPLICABLE LOCAL CODES.
- FE-1: MULTI-PURPOSE DRY CHEMICAL TYPE UL-RATED 4A-60B:C, 10 LB. NOMINAL CAPACITY ENAMELED STEEL TANK W/ PRESSURE GAUGE (SEE SPECS.)
- FE-2: CARBON DIOXIDE TYPE: UL-RATED 10B:C, 10 LB. NOMINAL CAPACITY, ALUMINUM TANK WITH PRESSURE GAUGE. (SEE SPECS.)
- B. ALL FIRE EXTINGUISHERS SHALL HAVE A GROSS WEIGHT NO GREATER THAN 40 LBS. & SHALL BE MOUNTED SO THAT THE TOP OF THE UNIT IS NO GREATER THAN 5'-0" A.F.F.
- C. EXTINGUISHERS ON THE SALES FLOOR SHOULD BE LOCATED ON THE BACK SIDE OF COLUMNS WHEREVER POSSIBLE- SEE F-1.0 FOR AVAILABLE LOCATIONS. WHERE FIRE EXTINGUISHERS MUST BE WALL MOUNTED IN A CORRIDOR, UNIT TO BE PROVIDED & INSTALLED IN A RECESSED CABINET.

[illegible]



1. ALL ITEMS IN RESTROOMS ARE EXG UNLESS NOTED OTHERWISE.
2. FIELD VERIFY ACCESSIBILITY CLEARANCES FOR EXISTING PLUMBING FIXTURES AND REUSE/MODIFY EXG PLUMBING AS REQ'D
3. PROVIDE INSULATION WRAP ON PIPING UNDER COUNTER AS REQ'D BY CODE.
4. ALL WOOD BLOCKING, PLYWOOD SHEATHING, ETC. UTILIZED SHALL BE FIRE RETARDANT TREATED, TYP.

ACCESSIBILITY NOTE

THIS DRAWING IS FOR ARCHITECTURAL REFERENCE ONLY. THE GENERAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE COMPLIANCE WITH 2013 CALIFORNIA BUILDING CODE CHAPTER 11B. ITEMS FOUND NOT TO BE IN COMPLIANCE SHALL BE MODIFIED PER 2013 CALIFORNIA BUILDING CODE CHAPTER 11B. ALL WORK SHALL BE APPROVED BY THE ARCHITECT AND BEST BUY CONSTRUCTION MANAGER PRIOR TO WORK COMMENCING.

DOOR ACCESSIBILITY NOTES

- DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORS WITH SWINGING DOORS SHALL MEASURED BETWEEN THE FACE OF THE DOOR AND THE FACE OF THE OPPOSITE STOP. DOORS WITH GLASS PANELS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. IN CASES WHERE PROJECTIONS INTO THE REQUIRED CLEAR WIDTH ARE NOT REMOVED, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE FACE OF THE PROJECTIONS INTO THE CLEAR WIDTH WITH BETWEEN 3/8 INCHES AND 1/2 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR WIDTH SHALL NOT EXCEED 4 INCHES (1.51 INCHES-18.44 INCHES).
- EXCEPTIONS:
 - 1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (1.51 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP.
 - 2. DOOR AND DOOR FRAME SHALL BE PERMITTED TO BE 7/8 INCHES (30.5 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
- MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH TABLE 1B-404.2.1. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE FULL WIDTH OF THE GATEWAY.
- THRESHOLDS: IF PROVIDED AT DOORWAYS, SHALL BE 1/4 INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 2013 CBC SECTIONS 1B-103.2.3.3.3 AND 1B-103.2.3.3.4.
- EXCEPTION: EXISTING OR ALTERED THRESHOLDS 1/4 INCH (5.08 MM) HIGH MAXIMUM THAT HAVE A 1/4 INCH SIDE SLOPE WITH A SLOPED RISE NOT STEEPER THAN 1:2 SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.6.
- DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TAIL REQUIREMENT TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH 5 DEGREES MINIMUM. (2013 CBC 1B-104.2.8.1)
- FIRE DOORS SHALL HAVE A MINIMUM PROTECTION FLOOR ALLOWABLE BY THE APPLICABLE APPROVED AUTHORITY. FIRE DOORS SHALL BE KEPT CLOSED BY MEANS OF A PUSH OR PULL OR AN INCH OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
 - a. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM
 - b. SLIDING OR PULLING DOORS: 5 POUNDS MAXIMUM
- RETRACTABLE LATCHES OR LOCKS SHALL BE KEPT CLOSED TO RETRACT LATCH BOLTS OR SPRING OR OTHER DEVICES THAT HOLD A DOOR OR GATE IN A CLOSED POSITION. (2013 CBC 1B-104.4.1.3)

CONTROL & DEVICE ACCESSIBILITY

1. A CLEAR FLOOR OR OPEN SPACE COMPLYING WITH 2013 CBC SECTION 11B-305 SHALL BE PROVIDED. (2013 CBC 11B-309.2)
2. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN 2013 CBC 11B-308. (2013 CBC 11B-309.3)
3. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. (2-13 CBC 11B-309.4)


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 1437 South Boulder, Suite 550
 Tulsa, Oklahoma 74119-3609
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ARCHITECT

SEAL

CONSULTANT

SQ. FT. CALCS	
RETAIL:	47,958 SF
OFFICES:	1,790 SF
STORAGE/REMAINING:	7,635 SF
INSTALL:	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 Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014

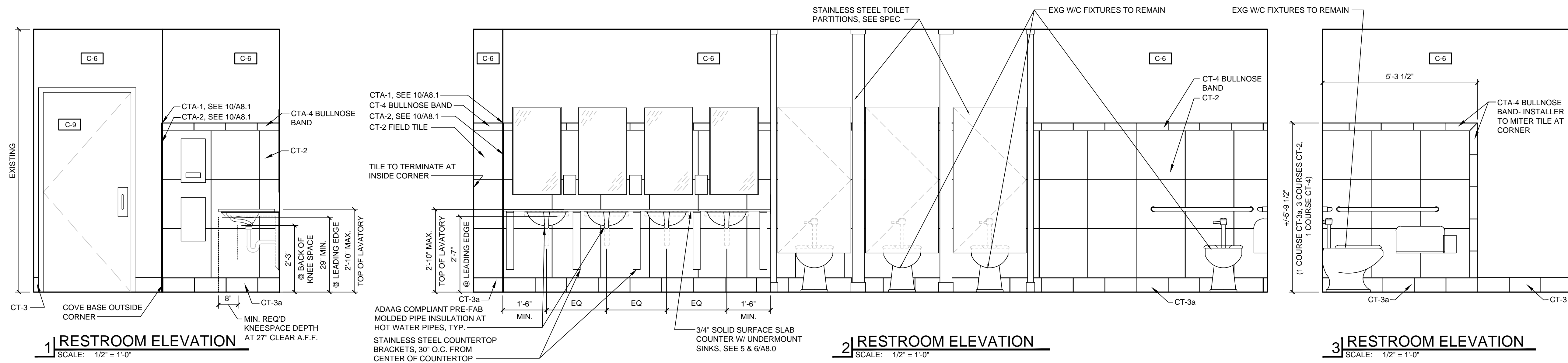
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REVISIONS

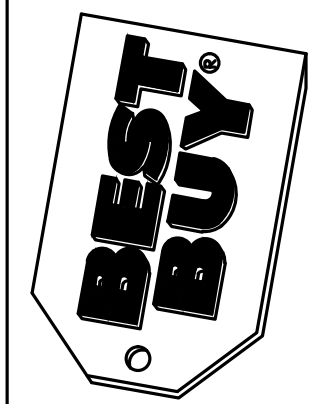
RESTROOMS, ACCESSIBILITY & DETAILS

A8.C

SHEET



SQ. FT. CALCS	
RETAIL:	47,958 SF
OFFICES:	1,790 SF
STORAGE/REMANUFACTURING:	7,635 SF
INSTALL:	1,148 SF
TOTAL:	58,531 SF
CONCEPT:	
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PROTOTYPE DATE:	
02/12/2014	
STORE NUMBER:	
0150	



San Bernardino, CA
888 Hartman Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014

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RESTROOM
ELEVATIONS &
DETAILS

GENERAL NOTES

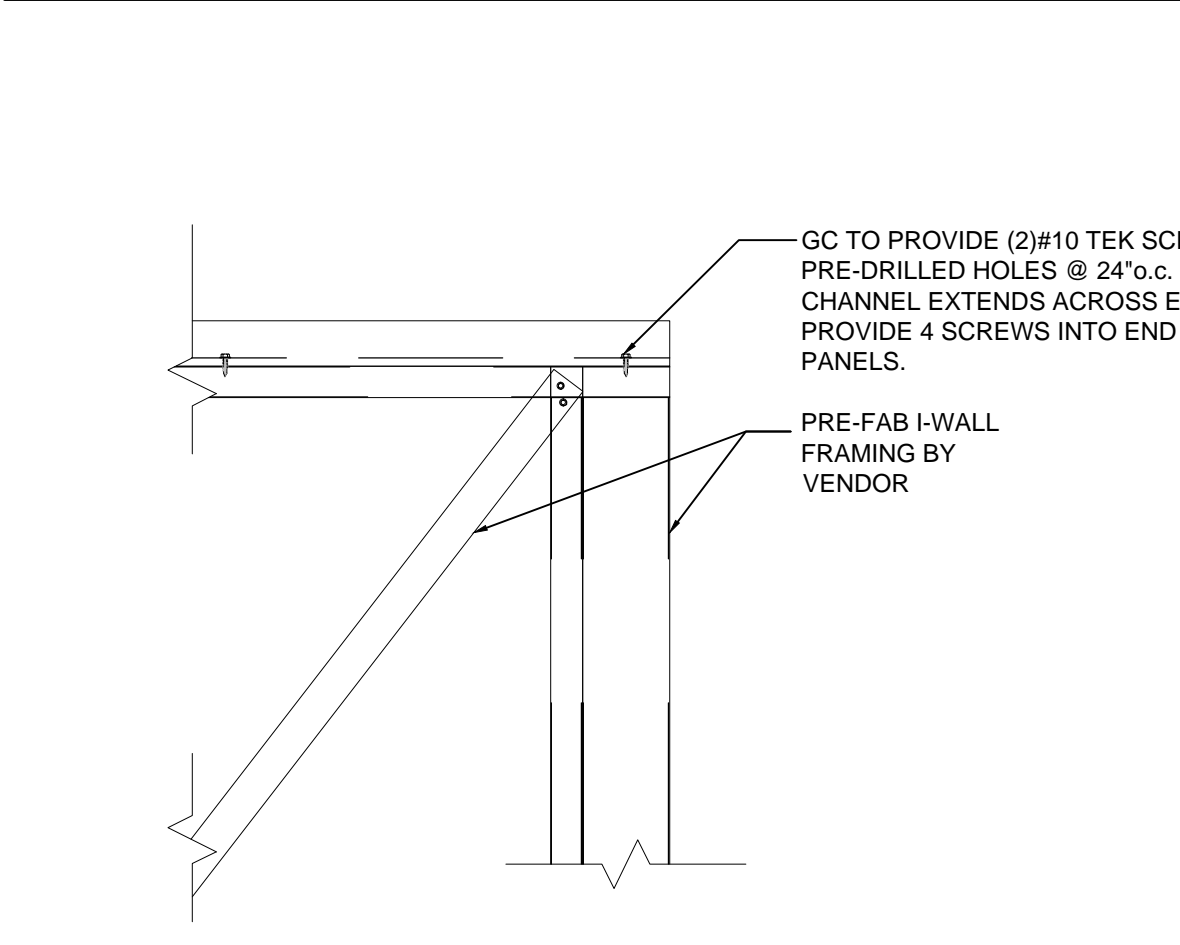
1. COORDINATE FIXTURES DRAWING BY BBY REP.
2. REFER TO ELECTRICAL DRAWINGS TO DETERMINE LOCATION OF UNDER/FLOOR/ABOVE FIXTURE CONDUIT FOR ELECTRICAL AND LOW VOLTAGE.
3. REFER TO PLAN SHEET E1 OR ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.
4. ALL HOME RUNS SHALL BE 3/4" CONDUIT UNLESS OTHERWISE NOTED. NO MC CABLE IN EXPOSED AREAS.
5. 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. THE 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. CONFIRM PAINT COLORS WITH BEST BUY MANAGER PRIOR TO PAINTING.
9. FINISH EXPOSED MDF SUCH THAT NO SCREW HOLDS OR SEAMS ARE EVIDENT. COUNTERSINK ALL SCREWS & FILL HOLDS. BONDO JOINTS OR OTHER IRREGULARITIES AS NECESSARY & SAND SMOOTH PRIOR TO PAINTING.

- | PLAN NOTES | |
|------------|---|
| 1. | PAINT CONDUIT DROPS TO MATCH WALL ADJ. WALL COLOR. |
| 2. | PAINT CONDUIT AT DECK TO MATCH EXIST DECK COLOR. |
| 3. | PROVIDE 4" BLACK RUBBER BASE IN REMODEL AREA @ ALL EXPOSED WALL BASE CONDITIONS. UNLESS COVERED BY A FIXTURE PIECE. |

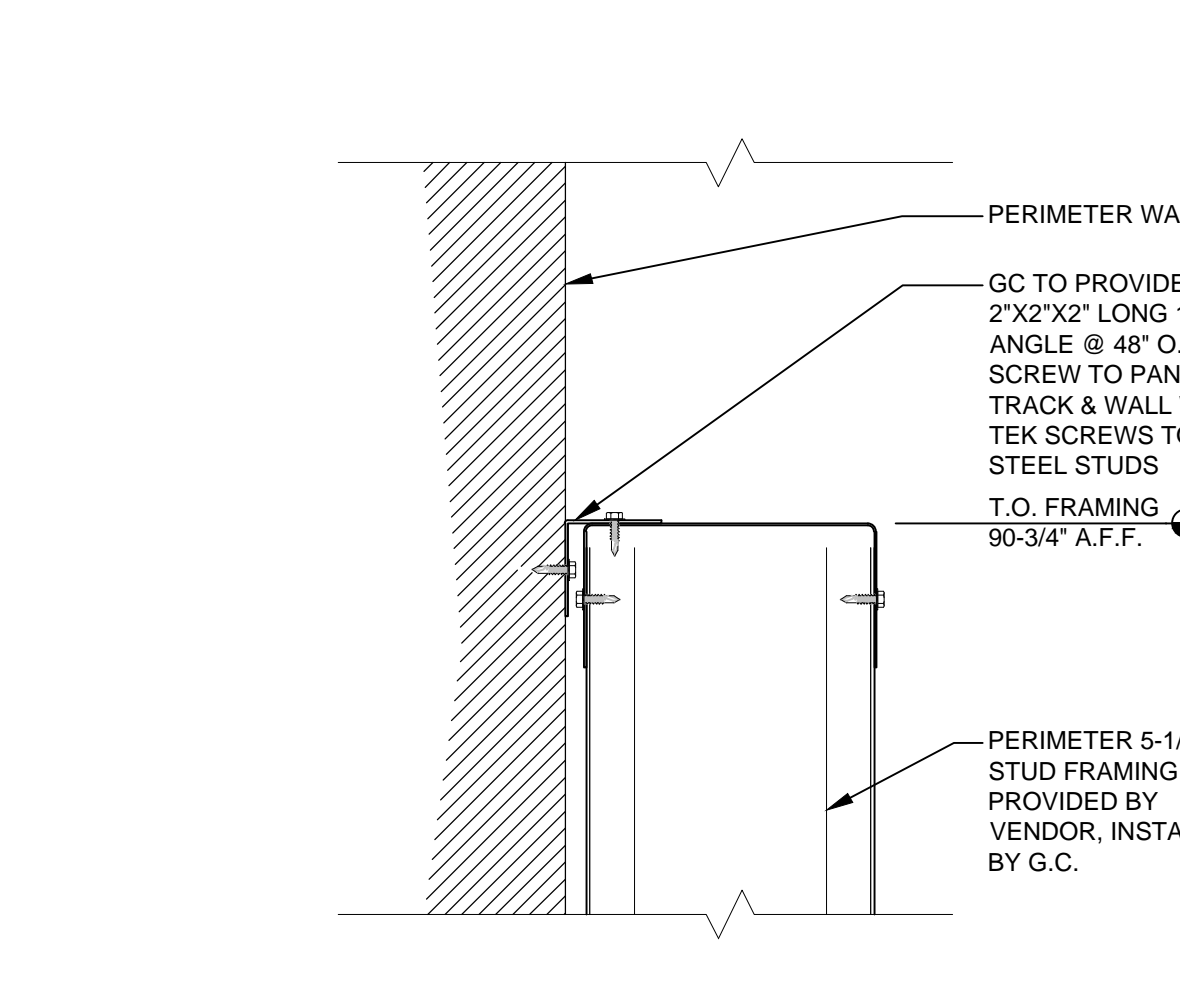
I-WALL NOTES	
1.	"PRE-FAB I-WALLS" ARE FIXTURE WALLS AS NOTED ON PLANS THAT ARE TO BE ASSEMBLED BY G.C. FROM PRE-FRAMED WALL SEGMENTS PROVIDED BY OWNER.
2.	G.C. IS RESPONSIBLE FOR ASSEMBLY OF PRE-FRAMED WALL SEGMENTS INTO "I-WALLS", INCLUDING ANCHORING TO SLAB AND LATERAL BRACING, PER DETAILS 3, 4, 5, 6, & 8/AT12.0.

- | REMODEL NOTES | |
|---------------|--|
| 1. | EXISTING PLASTIC LAMINATE WITHIN PROPOSED EXTENT OF PAC SALES TO BE REMOVED. PREP. WALL AS REQ'D TO RECEIVE NEW FINISHES. |
| 2. | ANY EXISTING FLOOR RECEPTS WITHIN PROPOSED EXTENT OF PAC SALES TO BE ABANDONED. REMOVE EXISTING EQUIPMENT AS REQ'D & INFILL, FLUSH TO SURFACE OF ADJ. SLAB. TYP. |
| 3. | ANY EXISTING ELECTRICAL TRENCHES WITHIN PROPOSED EXTENT OF PAC SALES TO BE ABANDONED. |

REMODEL NOTES	
1.	EXISTING PLASTIC LAMINATE WITHIN PROPOSED EXTENT OF PAC SALES TO BE REMOVED. PREP. WALL AS REQ'D TO RECEIVE NEW FINISHES.
2.	ANY EXISTING FLOOR RECEPTS WITHIN PROPOSED EXTENT OF PAC SALES TO BE ABANDONED. REMOVE EXISTING EQUIPMENT AS REQ'D & INFILL, FLUSH TO SURFACE OF ADJ. SLAB. TYP.
3.	ANY EXISTING ELECTRICAL TRENCHES WITHIN PROPOSED EXTENT OF PAC SALES TO BE ABANDONED.




5 | CENTER WALL TO END WALLS
SCALE: 1-1/2" = 1'-0"



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

CABINET KEY AND NOTES




AB-XX
27 1/8" x 36" x 30"

UPC
36" x 36" x 30"

AB = APPLIANCE BOX (CABINET CONTAINS APPLIANCE PRODUCT)
XX = outside width of cabinet

x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)

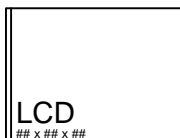


LC
36" x 36" x 30"

UPC
36" x 36" x 30"

LC = LOWER CABINET WITH COUNTER TOP

x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)

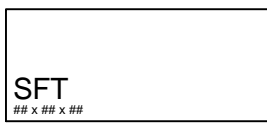


LCD
36" x 36" x 30"

UPC
36" x 36" x 30"

LCD = LOWER CABINET WITH DISHWASHER AND COUNTER TOP

x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)

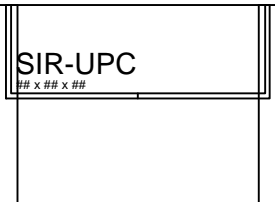


SFT
36" x 36" x 30"

UPC
36" x 36" x 30"

SFT = SOFFIT CABINET

x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)

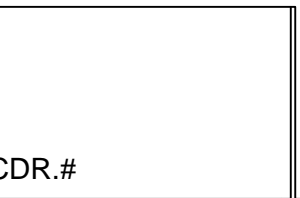


SIR-UPC
36" x 36" x 30"

UPC
36" x 36" x 30"

SIR-UPC = SLIDE IN RANGE, UPPER CABINET

x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)

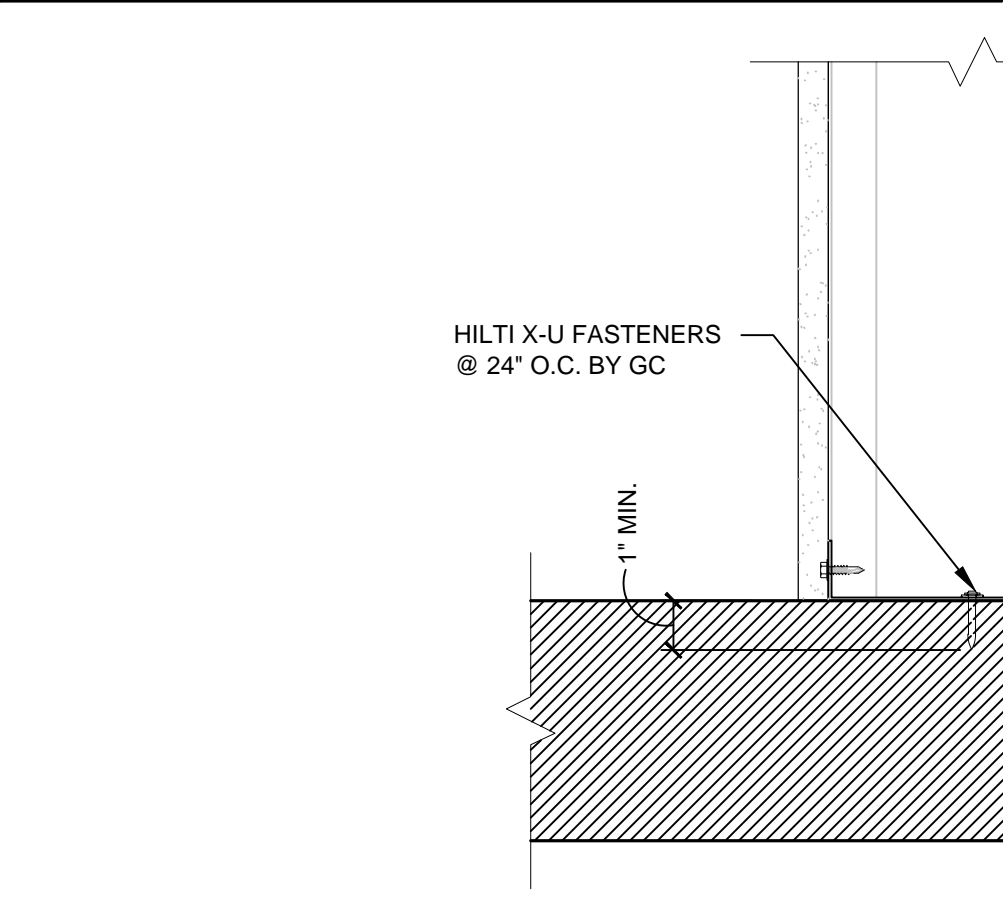


CDR.#
36" x 36" x 30"

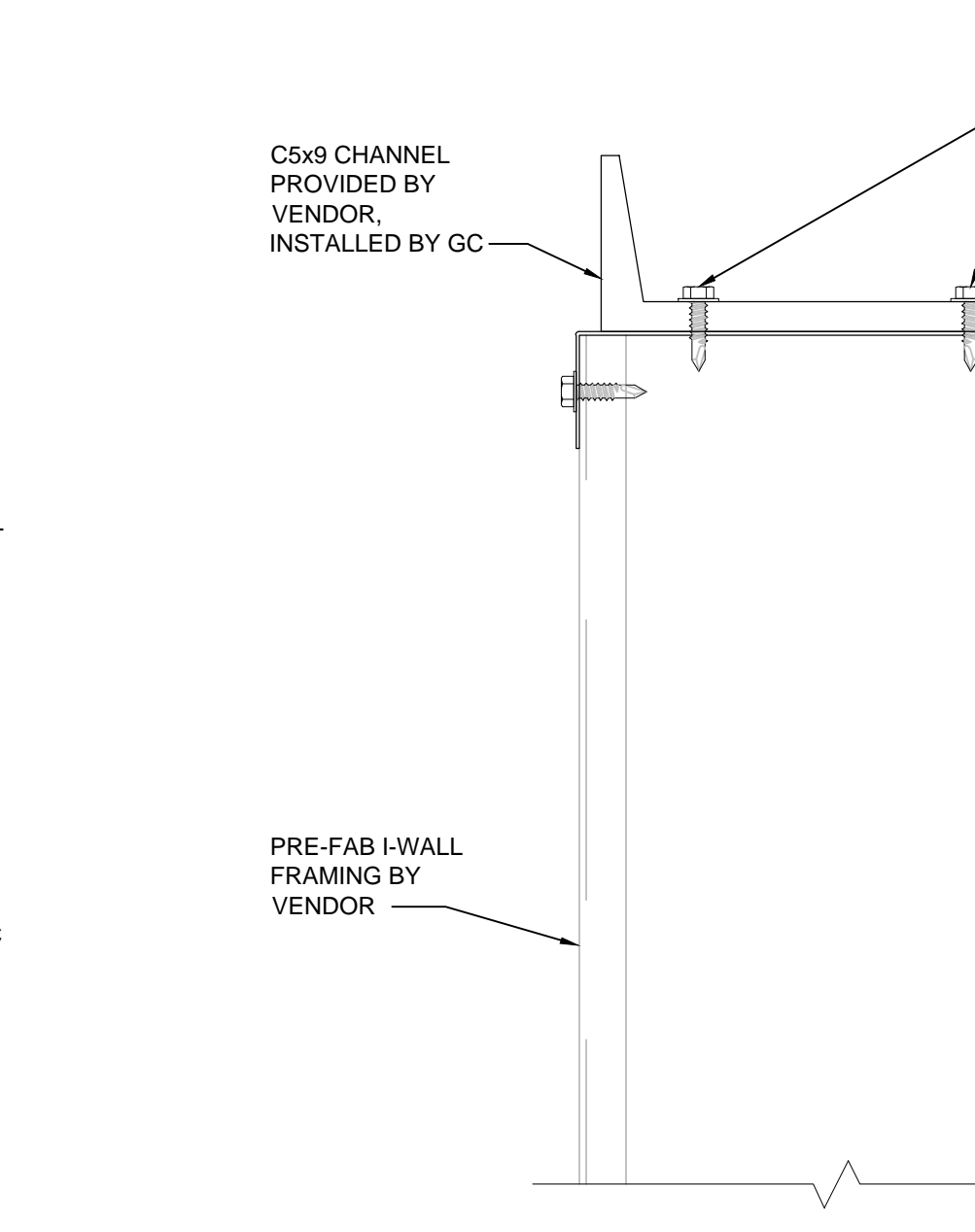
UPC
36" x 36" x 30"

CDR.# = COUNTER DEPTH REFRIGERATOR

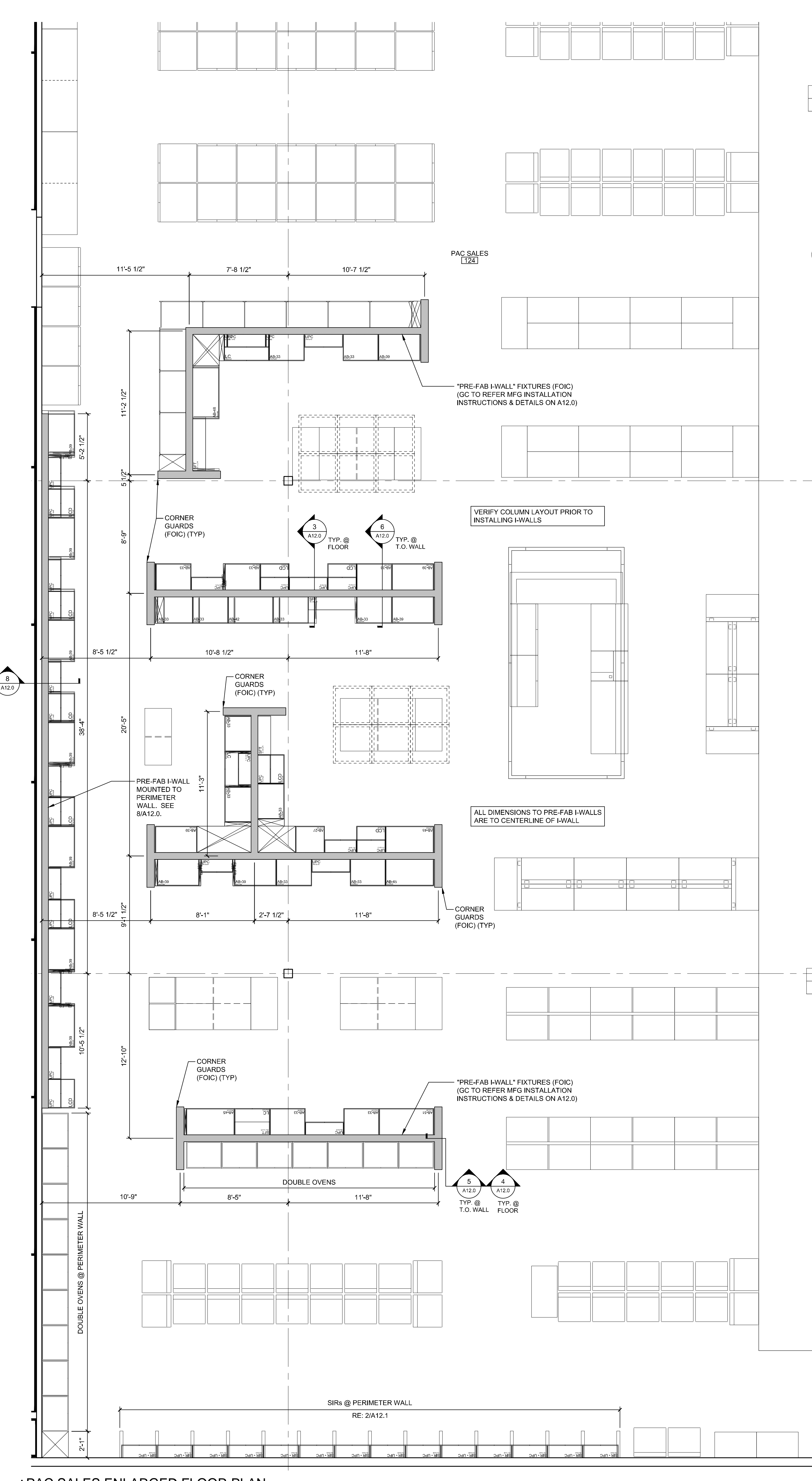
RESPONSIBILITY SCHEDULE		FURNISHED BY INSTALLED BY
1. FIXTURES/CABINETS/MOF (MDF PER DETAILS 2 & 3/A12.1 ONLY)		P
2. APPLIANCES/PRODUCT		P
3. HANGING GRID		P
4. SOLID SURFACE COUNTERTOPS		P
5. CARPET/FLOORING AND ADHESIVE		G
6. TRANSITIONS/VINYL BASE AND ADHESIVE		G
7. PAINT		G
8. P1000 UNISTRUT (PREFINISHED OR PAINTED WHITE) (12) PCS. P1000 UNISTRUT 4/E4. PAC CEILING GRID, 4/PAC CEILING ADDITIONAL P1000 UNISTRUT REQ'D. BY SITE SPECIFIC CONDITIONS		P
9. PRE-FABRICATED I-WALL SEGMENTS		P
10. 6" x FULL HGT. BACKSPLASH		G
SYMBOLS:		
P-PACIFIC SALES OR PS VENDOR		
G-GENERAL CONTRACTOR		



3 | STEEL TRACK TO EXIST
SCALE: 3" = 1'-0"



6 | T.O. WALL STIFFENER (



1 | PAC SALES ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

[illegible]

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 VOLTAGE.

3.

REFER TO PLAN SHEET E1 OR ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.

4.

ALL HOME RUNS SHALL BE 3/4" CONDUIT UNLESS OTHERWISE NOTED. NO MC CABLE IN EXPOSED AREAS.

5.

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.

11.

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.

2.

PAINT CONDUIT AT DECK TO MATCH EXIST DECK COLOR.

3.

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.

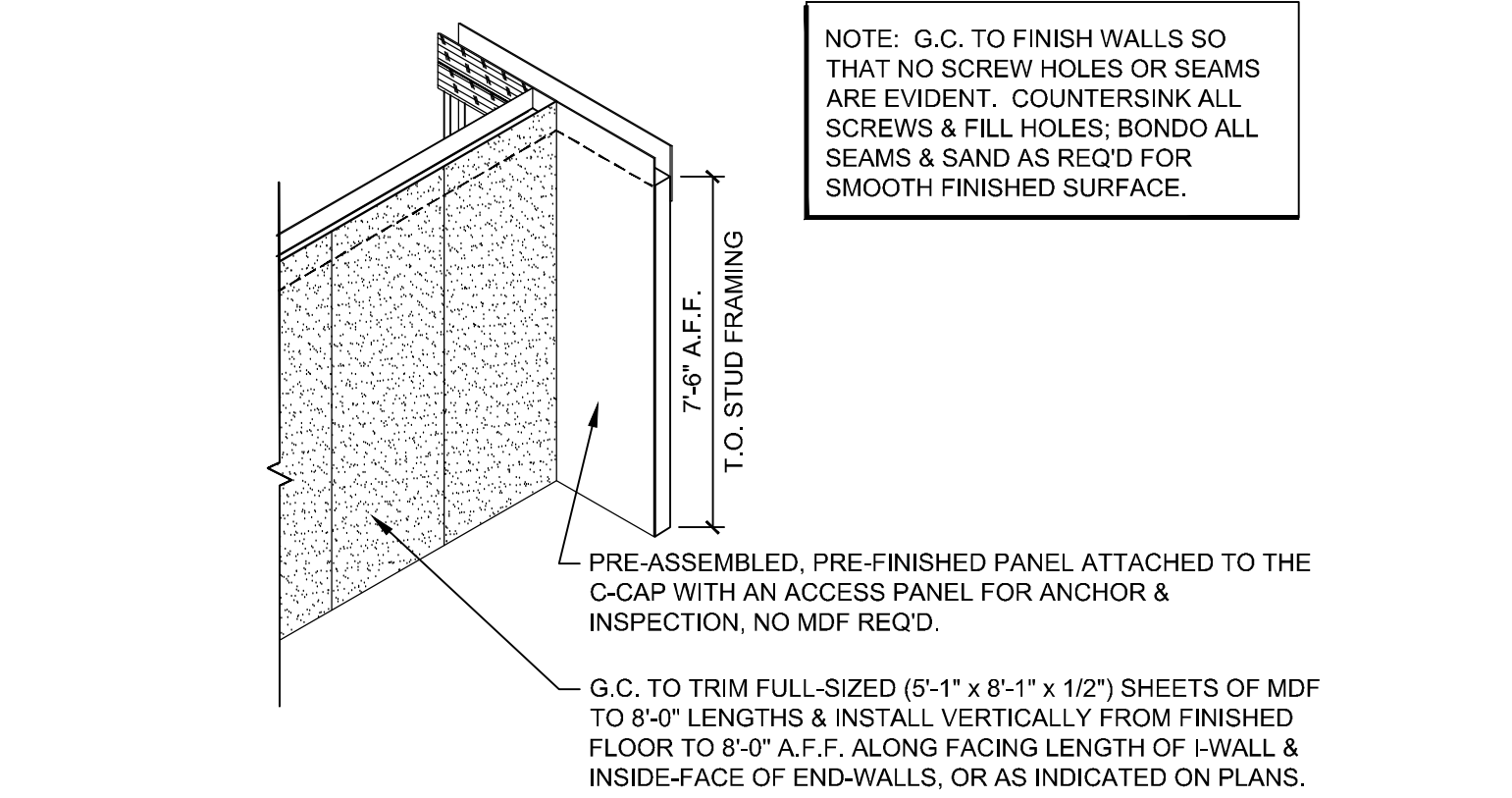
G.C. IS RESPONSIBLE FOR ASSEMBLY OF PRE-FRAMED WALL SEGMENTS INTO "I-WALLS", INCLUDING ANCHORING TO SLAB AND LATERAL BRACING PER DETAILS 3, 4, 5 & 6/A12.0.

WALL FINISH LEGEND

ABBREV	DESCRIPTION
COLOR	
(C-7)	SW7025 "BACKDROP" (PERIMETER WALLS & SOFFITS)
(C-51)	SW6179 "ARTICHOKE"
(C-53)	SW6381 "ANJOU PEAR"
(C-54)	SW2849 "WESTCHESTER GRAY"
(C-57)	SW6142 "MACADAMIA"
NOTE: ALL PAC SALES PAINT TO BE EGGSHELL FINISH, U.N.O.	
RB-1	4" RUBBER BASE, VPI #01 JET

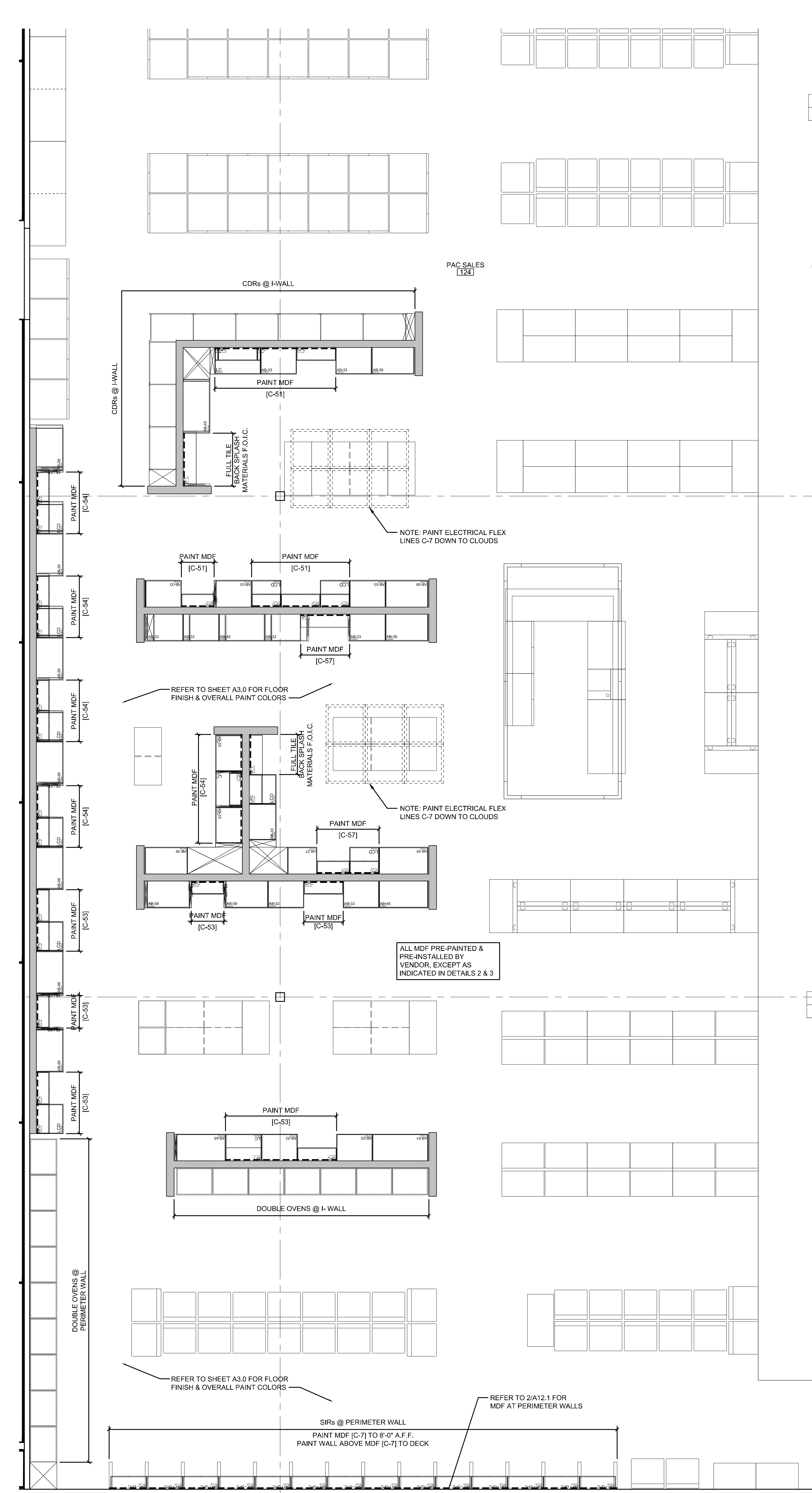
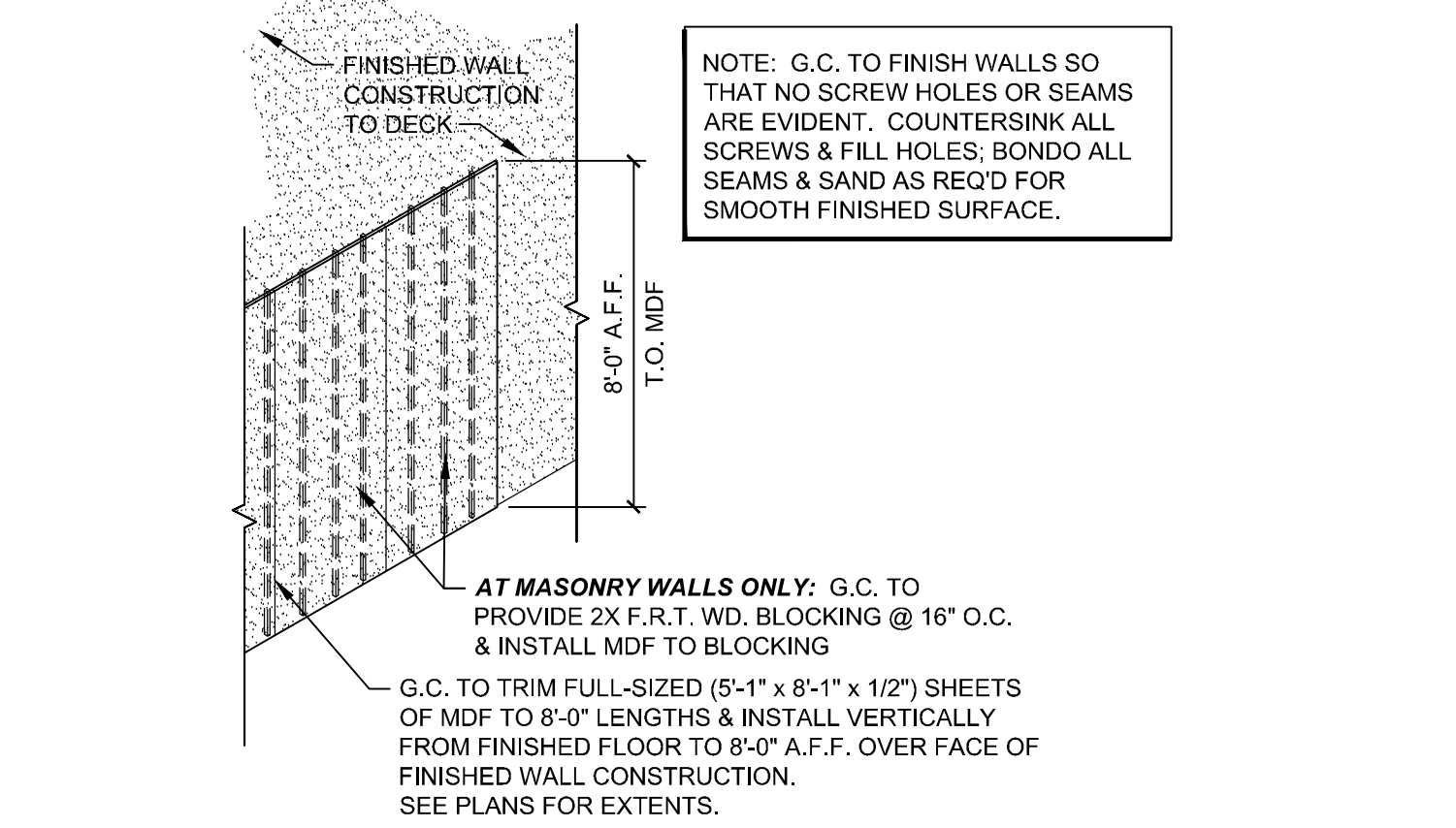
3|SIRs @ I-WALLS/ HIGH OR LOW BAY GONDOLAS @ I-WALLS

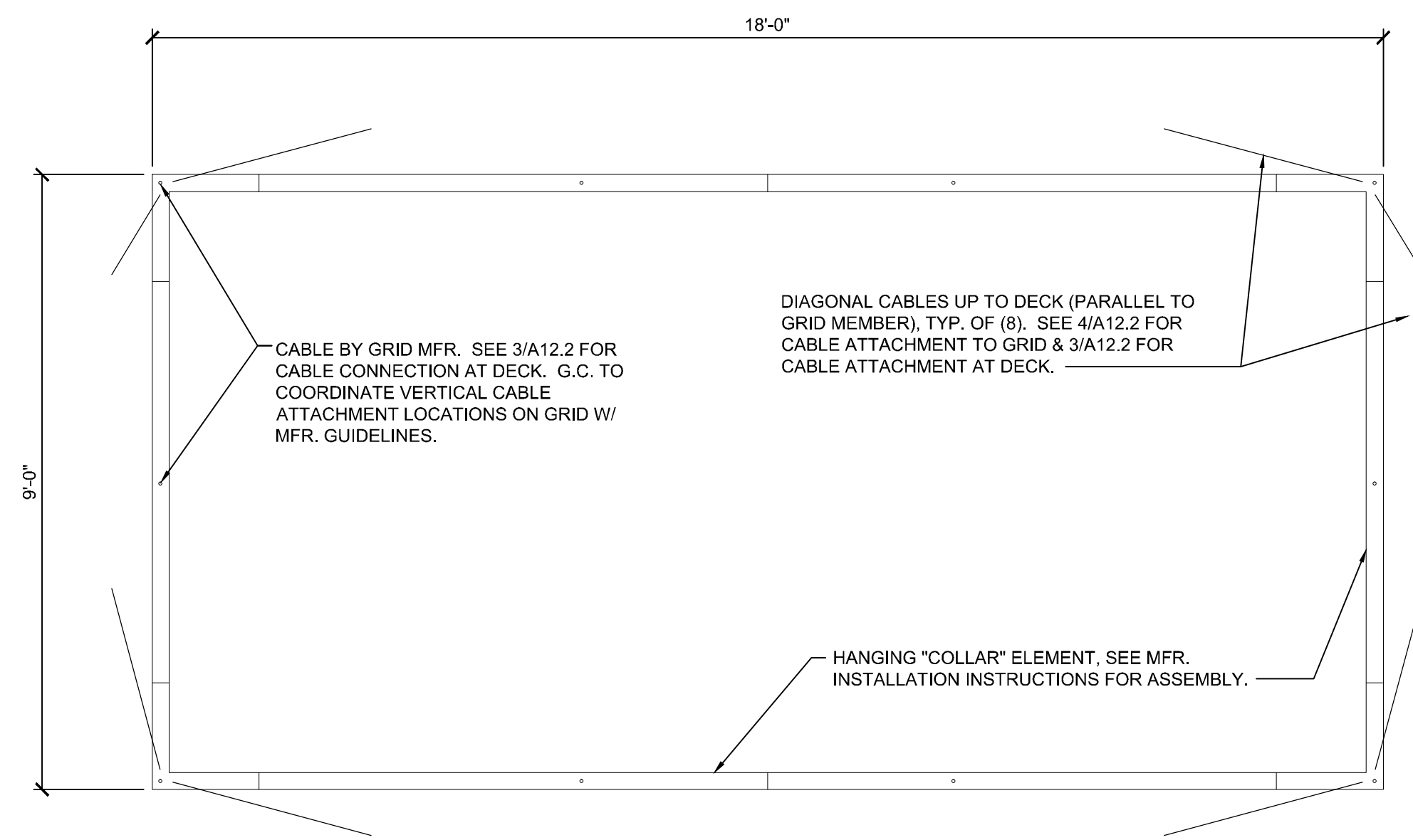
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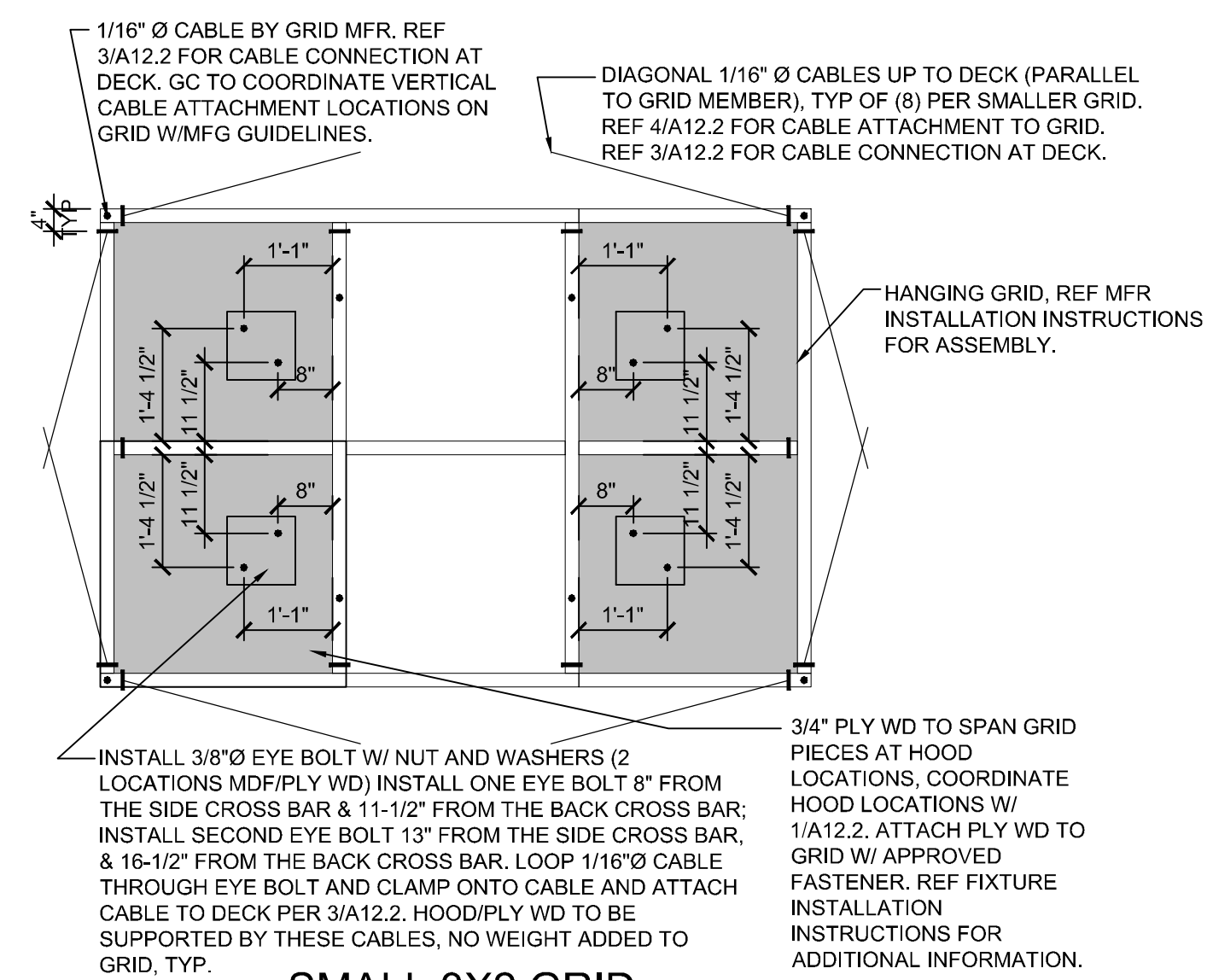
2|SIRs &/OR FREESTANDING OVENS @ PERIMETER WALLS

SCALE: N/A



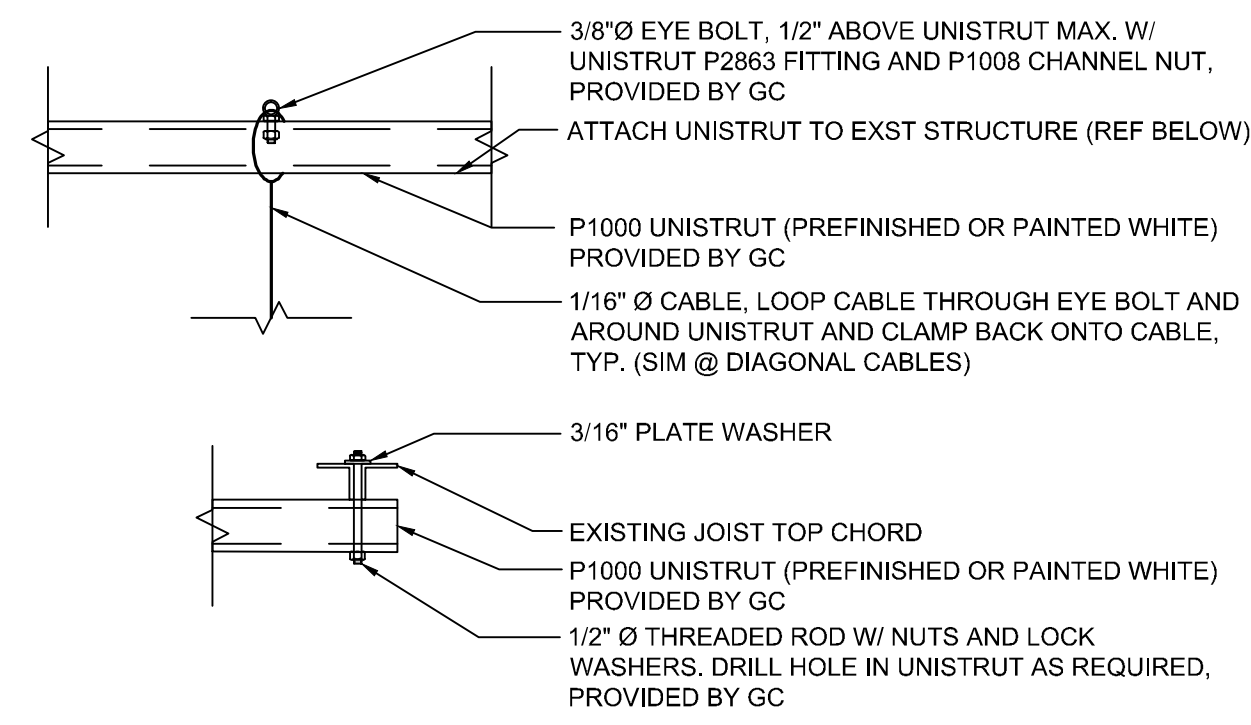


18X9 COLLAR

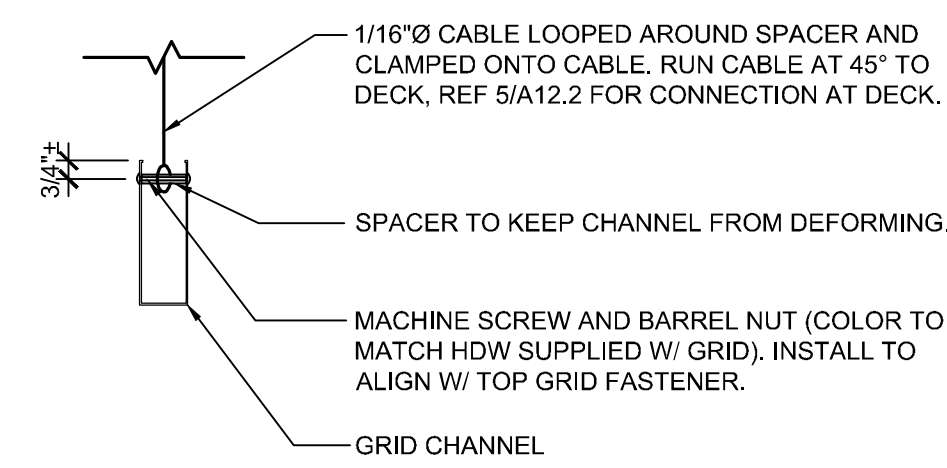


SMALL 3X2 GRID

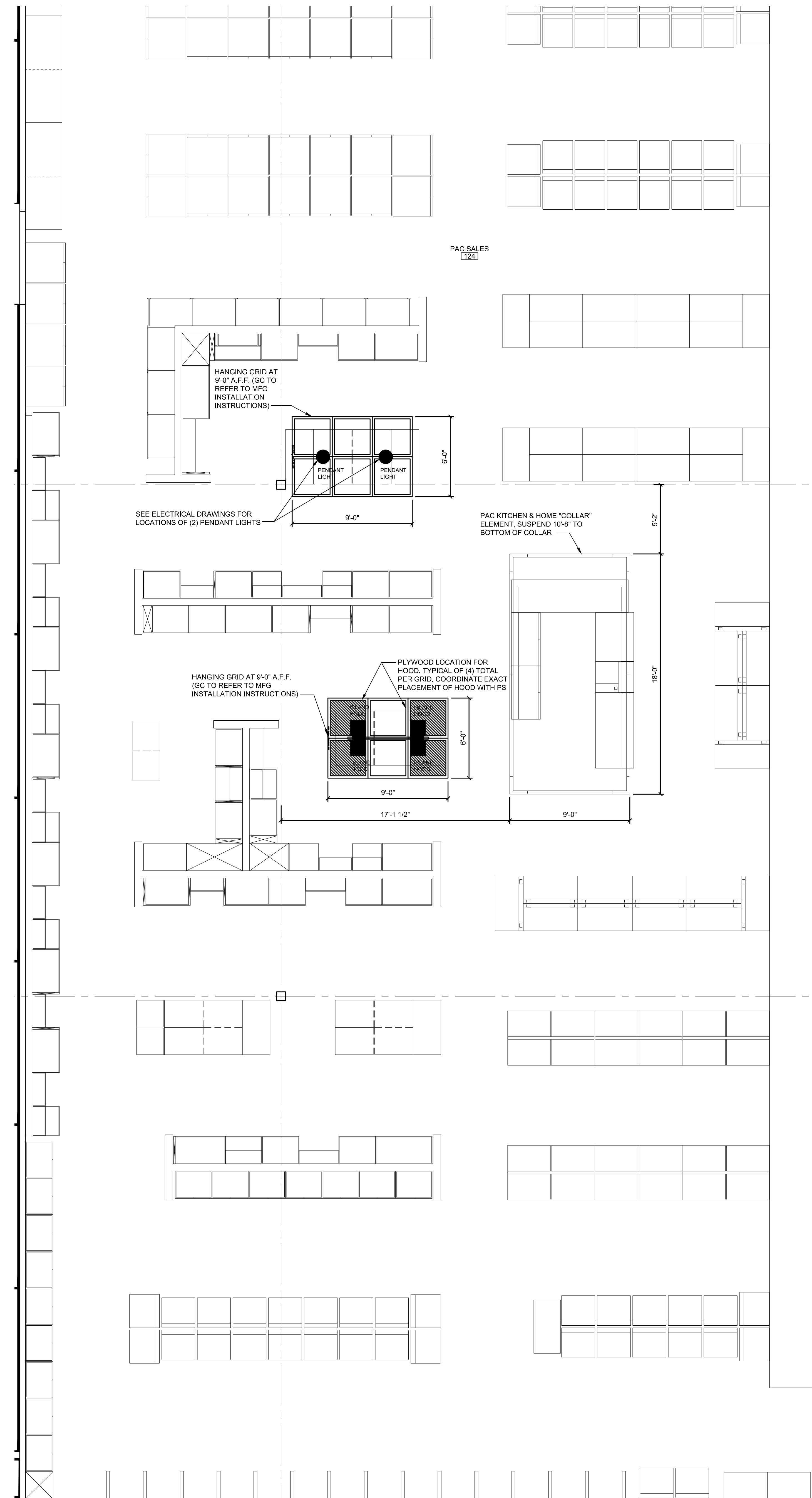
2 | GRID DETAIL
SCALE: 1/2" = 1'-0"



3 UNISTRUT DETAIL

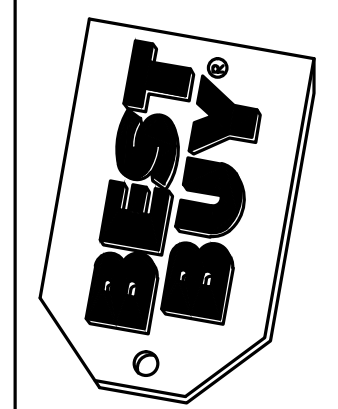


4| DIAGONAL CABLE CONNECTION



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SQ. FT. CALCS	
RETAIL:	47,958 SF
OFFICES:	1,790 SF
STORAGE/REMAINING:	7,635 SF
INSTALL:	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	



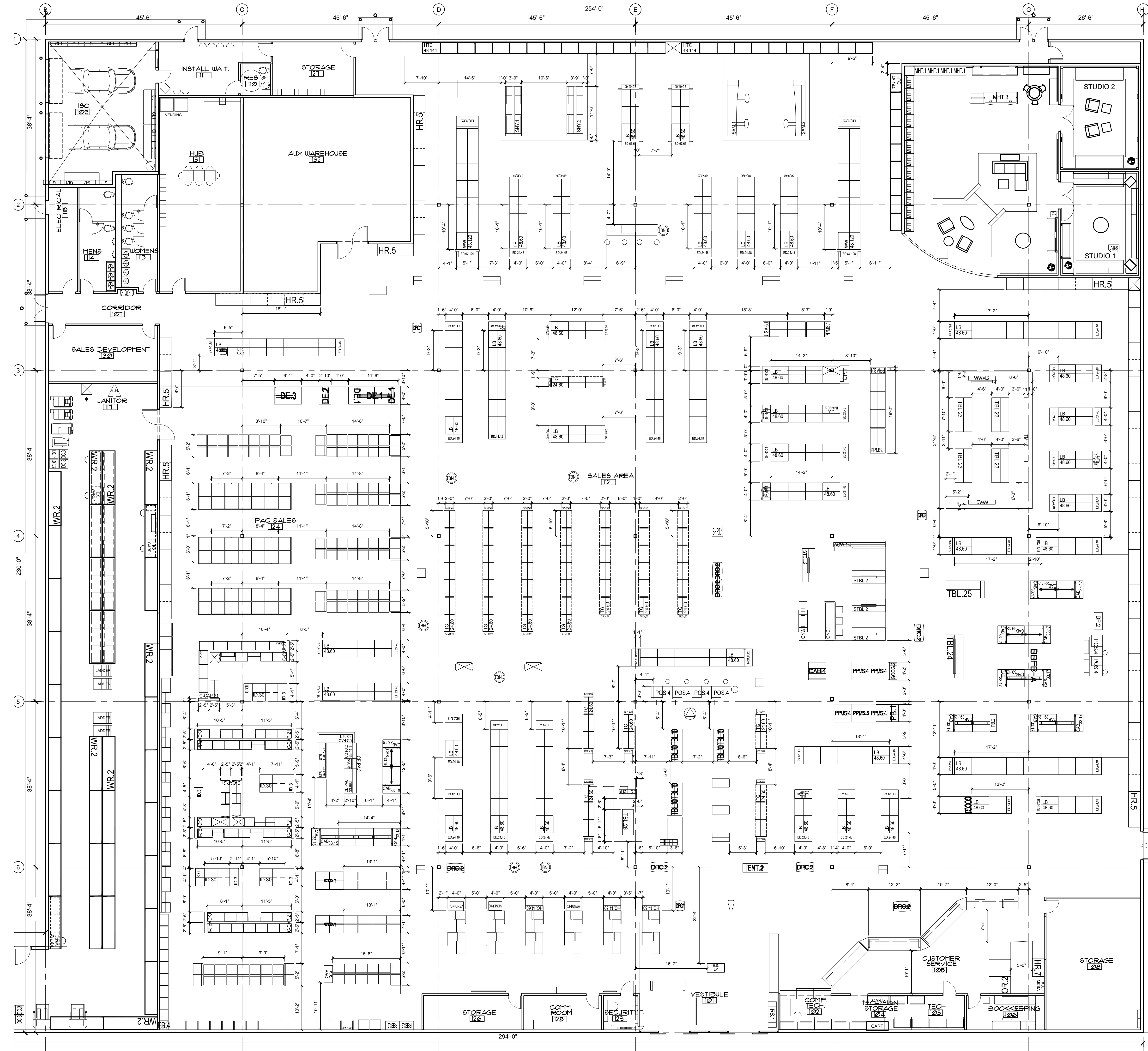
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San Bernardino, CA 92408

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12/12/2014

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PAC SALES
REFLECTED
CEILING PLAN

A12.2



GENERAL NOTES

1. ALL FIXTURES, SHELVING AND STANDARDS BELOW ARE TO BE INSTALLED BY FIXTURE CONTRACTORS.
2. GENERAL CONTRACTORS TO PROVIDE BLOCKING FOR ALL STANDARDS.
3. ALL FIXTURE DIMENSIONS ARE MEASURED FROM KICK PLATE TO KICK PLATE.

FIXTURE LEGEND

CAB.4	SMASH TABLE - COMPUTERS - 4'-4" HIGH X 4'-1" WIDE X 4'-1" DEEP
ED.67.120	END CAP WING WALL - 1'-2" DEEP X 5'-7" WIDE X 10'-0" HIGH END CAP. ANCHORED TO FLOOR
ED.67.66	END CAP - 1'-2" DEEP X 5'-7" WIDE X 5'-6" HIGH END CAP. ANCHORED TO FLOOR
FB.4	FILLER BOX - 12FT HIGH FINISH: TEAK - TO BE INSTALLED BY FIXTURE CONTRACTOR
GI.1	CAR-FI GRID
HR.3	3/6 (CUSTOM) HALF GONDOLA OVERRACK: 8'-0" HIGH X 4'-0" WIDE X 2'-9" DEEP. W/ VALANCE LIGHTING. ANCHORED TO FLOOR
HR.5	3/6 (CUSTOM) HALF GONDOLA OVERRACK: 8'-0" HIGH X 8'-0" WIDE X 2'-9" DEEP. W/ VALANCE LIGHTING. ANCHORED TO FLOOR
HR.7	2/5 (HIGH VOLUME) HALF GONDOLA OVERRACK: 8'-0" HIGH X 4'-0" WIDE X 2'-9" DEEP. W/ VALANCE LIGHTING. ANCHORED TO FLOOR
HTC.48.144	3/6 (CUSTOM) HALF GONDOLA OVERRACK: 12'-0" HIGH X 4'-0" WIDE X 2'-9" DEEP. NO VALANCE LIGHTING. ANCHORED TO FLOOR
OR.2	2/5 (HIGH VOLUME) FULL GONDOLA OVERRACK: 8'-0" HIGH X 5'-0" WIDE X 4'-0" DEEP W/ VALANCE & LIGHTING. ANCHORED TO FLOOR
POS.2.T	POS DESK - 33" HIGH X 28" WIDE X 21" DEEP (FINISH - TEAK)
WR.2	WAREHOUSE RACKING: 12'-0" HIGH X 12'-0" WIDE X 3'-0" DEEP ANCHORED TO FLOOR
WW.48.120	WING WALL GONDOLA - 2'-4" DEEP X 4'-0" WIDE X 10'-0" HIGH. ANCHORED TO FLOOR

EMPLOYEE STATION LEGEND

ES.COMP1	2' x 4' BASE CASE, FLAT TOPPER
ES.COUNT	COUNTERTOP WITH FILE CABINETS
ES.FLAT	2' x 4' BASE CASE, FLAT TOPPER
ES.IMAGE 2	2' x 4' BASE CASE, FLAT TOPPER
ES.MCSA	2' x 4' DESK W/ VARIABLE HEIGHT ADJUSTMENT - MULTI CHANNEL SALES ASSISTANT
ES.MEDIA	2' x 4' BASE CASE, FLAT TOPPER
ES.MP3	2' x 4' BASE CASE, FLAT TOPPER
ES.PAC	2' x 4' BASE CASE, HIGH BACK TOPPER
ES.SALES	COUNTERTOP WITH FILE CABINETS
ES.STAR	22" SHELF WITH STAR PC LOCATION

PACIFIC SALES

C-CAP.21	PAC I-WALL CLADDING
CD.PAC.33.44.T	PAC CONSULTATION DESK: 33" HIGH X 44" WIDE X 35" DEEP (FINISH - TEAK)
CD.PAC.33.68.T	PAC CONSULTATION DESK: 33" HIGH X 68" WIDE X 35" DEEP (FINISH - TEAK)
CD.PAC.40.92.T	PAC CONSULTATION DESK: 40" HIGH X 105" WIDE X 30" DEEP (FINISH - TEAK)
CDR.1	COUNTER-DEPTH REFRIGERATORS: 8'-0" HIGH X 3'-3" WIDE X 2'-0" DEEP
CE.PAC.33	PAC COUNTER EXTENSION: 33" HIGH X 28" WIDE X 14" DEEP (FINISH - TEAK)
CTD.1	COOK TOP/DISHWASHER DISPLAY: 3'-11" HIGH X 6'-6" WIDE X 4'-1" DEEP
ID.3	APPLIANCE ISLAND DISPLAY: 3'-11" HIGH X 2'-1" WIDE X 5'-10" DEEP
ID.30	APPLIANCE ISLAND DISPLAY: 3'-11" HIGH X 5'-10" WIDE X 2'-1" DEEP
OVD	BUILT-IN OVEN DISPLAY: 8'-0" HIGH X 2'-9" WIDE X 2'-0" DEEP
PSEC.2	VENDOR PROVIDED DISPLAY
RWD.2.0	RANGE WALL DIVIDER 2.0: 3'-0" HIGH X 3'-0" WIDE X 2'-1" DEEP
STR.CAB.12.T	PAC STORAGE CABINET: 33" HIGH X 48" WIDE X 26" DEEP (FINISH - TEAK)
WR.2	WAREHOUSE RACKING: 12'-0" HIGH X 12'-0" WIDE X 3'-0" DEEP ANCHORED TO FLOOR

GENERAL NOTES

1. ALL FIXTURES, SHELVING AND STANDARDS BELOW ARE TO BE INSTALLED BY OTHERS.
2. GENERAL CONTRACTORS TO PROVIDE BLOCKING FOR ALL STANDARDS.
3. ALL FIXTURE DIMENSIONS ARE MEASURED FROM KICK PLATE TO KICK PLATE.

FIXTURE LEGEND

ACW.1	VENDOR PROVIDED ACCESSORY WALL
APL.22	APPLE FREESTANDING WALL DISPLAY - 7'-3" HIGH X 4'-0" WIDE X 2'-1" DEEP. ANCHORED TO FLOOR.
BRP.1	BLU-RAY PLAYER DISPLAY (VENDOR PROVIDED)
CAB.33.15	SMASH TABLE - SMALL APPLIANCES - 2'-9" HIGH X 4'-1" WIDE X 4'-1" DEEP (FINISH - TEAK)
CAB.33.17	SMASH TABLE - END CAP - 2'-9" HIGH X 4'-1" WIDE X 2'-1" DEEP (FINISH - BLEACHED MAPLE)
CAB.33.18	SMASH TABLE - END CAP - 2'-9" HIGH X 4'-1" WIDE X 2'-1" DEEP (FINISH - TEAK)
CAB.39.12	SMASH TABLE - BBY/M/TABLET - 3'-3" HIGH X 4'-1" WIDE X 4'-1" DEEP (FINISH - BLEACHED MAPLE)
CND.1	VENDOR DISPLAY: 3'-4" HIGH X 3'-1" WIDE X 9'-0" LONG DESK.
CNW.1	VENDOR DISPLAY: 6'-0" HIGH X 2'-4" WIDE X 12'-0" LONG ACCESSORY WALL.
DE.1	VENDOR PROVIDED DISPLAY (DYSON).
DE.2	VENDOR PROVIDED DISPLAY (DYSON).
DE.3	VENDOR PROVIDED DISPLAY (DYSON).
DRC.1	RACETRACK CART: 2'-0" WIDE X 2'-4" DEEP
DRC.2	RACETRACK CART: 4'-0" WIDE X 2'-4" DEEP
ED.14.48	STANDARD GONDOLA END CAP: 5'-0" HIGH FRAME W/ 14" BASE DECK
ED.24.48	STANDARD GONDOLA END CAP: 5'-0" HIGH W/ 24" BASE DECK
ENT.2	X
GF.24.60	T-GONDOLA END CAP: 5'-0" HIGH W/ NO BASE DECK
GF.48.60	STANDARD GONDOLA END CAP: 5'-0" HIGH FRAME ONLY W/ NO BASE DECK
GOOG.1	VENDOR PROVIDED DISPLAY
GOOG.2	VENDOR PROVIDED DISPLAY END CAP: 2'-1" DEEP X 2'-10" HIGH
HG.14.60	HALF GONDOLA: 5'-0" HIGH W/ 14" BASE DECK
LB.48.60	4860 LOW GONDOLA: 5'-0" HIGH X 4'-0" WIDE X 4'-0" DEEP
MD.1	MONSTER HEADPHONES DISPLAY (VENDOR PROVIDED)
MQD.24.72	STANDARD MARQUEE END CAP: 6'-0" HIGH W/ 24" BASE DECK
MQD.24.96	STANDARD MARQUEE END CAP: 6'-0" HIGH W/ 24" BASE DECK
MQT.24.72	T-GONDOLA MARQUEE END CAP: 6'-0" HIGH W/ 14" BASE DECK
PB.1	MICROSOFT PINBALL END CAP: 6'-11" HIGH X 4'-0" WIDE X 2'-4" DEEP
PB.2	MICROSOFT PINBALL END CAP: 8'-0" HIGH X 3'-11" WIDE X 1'-6" DEEP
PCE.2	SPECIALIZED PRODUCT TABLE. (MIDDLE) 2'-11" HIGH X 4'-2" LONG X 3'-6" WIDE.
POS.4	CONSULTATION / POS STATION. 2'-6" HIGH X 4'-11" LONG X 3'-6" HIGH.
PPMS.1	SPECIALIZED PRODUCT TABLE. 5'-3" HIGH X 3'-6" LONG X 1'-6" WIDE.
PPMS.2	SPECIALIZED PRODUCT TABLE. 2'-11" HIGH X 4'-2" LONG X 3'-6" WIDE.
PPMS.5	SPECIALIZED PRODUCT TABLE W/ FINISHED END PANEL. 3'-0" HIGH X 4'-2" LONG X 4'-2" WIDE.
RS.1	RECYCLING STATION: 2'-8" HIGH X 6'-0" WIDE X 1'-11" DEEP
SAM.1	VENDOR PROVIDED DISPLAY - 6'-6" HIGH X 12'-9" LONG X 2'-7" DEEP.
SAM.2	VENDOR PROVIDED DISPLAY - 6'-6" HIGH X 12'-9" LONG X 2'-7" DEEP.
SNY.1	VENDOR PROVIDED DISPLAY - 5'-6" HIGH X 11'-6" LONG X 3'-9" DEEP.
SNY.2	VENDOR PROVIDED DISPLAY - 5'-6" HIGH X 11'-6" LONG X 3'-9" DEEP.
TBL.10	SPECIALIZED PRODUCT TABLE: 4'-7" HIGH X 3'-9" WIDE X 3'-6" DEEP
TBL.23	VENDOR PROVIDED TABLE 2'-10" HIGH X 7'-10" WIDE X 4'-0" DEEP
TBL.24	MICROSOFT FEATURE TABLE: 3'-2" HIGH X 10'-0" LONG X 4'-0" WIDE W/ ATTACHED SLAT WALL END CAP
TBL.25	MICROSOFT SURFACE TABLE
TBL.26	VENDOR PROVIDED TABLE 2'-10" HIGH X 2'-6" WIDE X 5'-11" LONG.
TBN.1	TREASURE BIN DISPLAY
TG.24.60	2460 DOUBLE SIDED LOW GONDOLA: 5'-0" HIGH X 4'-0" WIDE X 2'-0" DEEP W/ NO BASE DECK
WW.2	VENDOR PROVIDED DISPLAY - 7'-10" HIGH X 4'-7" WIDE X 11" DEEP. ANCHORED TO FLOOR

THIS DRAWING WAS PREPARED FOR THE ARCHITECT BY SGA DESIGN GROUP, INC. SGA DESIGN GROUP, INC. 1437 South Boulder, Suite 500, Boulder, CO 80502. PHONE: 303.440.1800 FAX: 303.440.1801 WWW.SGADSGROUP.COM

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SO. FT. CALCS
RETAIL: 47,958 SF
OFFICES: 1,790 SF
STORAGE/REMANUFACTURING: 7,635 SF
INSTALL: 1,148 SF
TOTAL: 58,531 SF

CONCEPT: 45K C3-2
CONCEPT DATE: 04/21/2014
G.O. -21 FUTURE REL. XX.XX.10
G.O. -13 FINAL REL. XX.XX.10
PROTOTYPE DATE: 02/12/2014
STORE NUMBER: 0150

BEST BUY

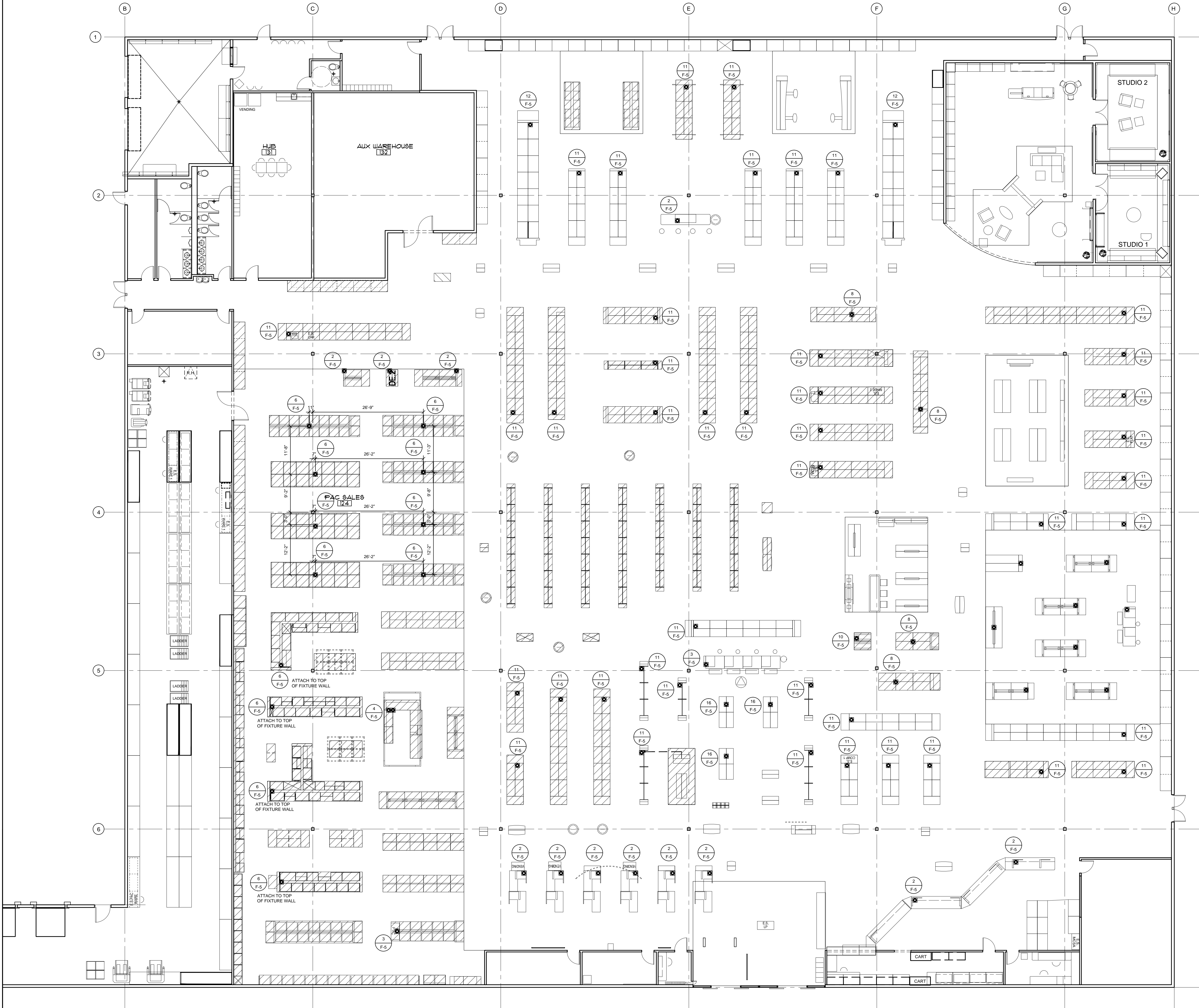
San Bernardino, CA
888 Hartman Pl.
San Bernardino, CA 92408

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12/12/2014

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

F-1

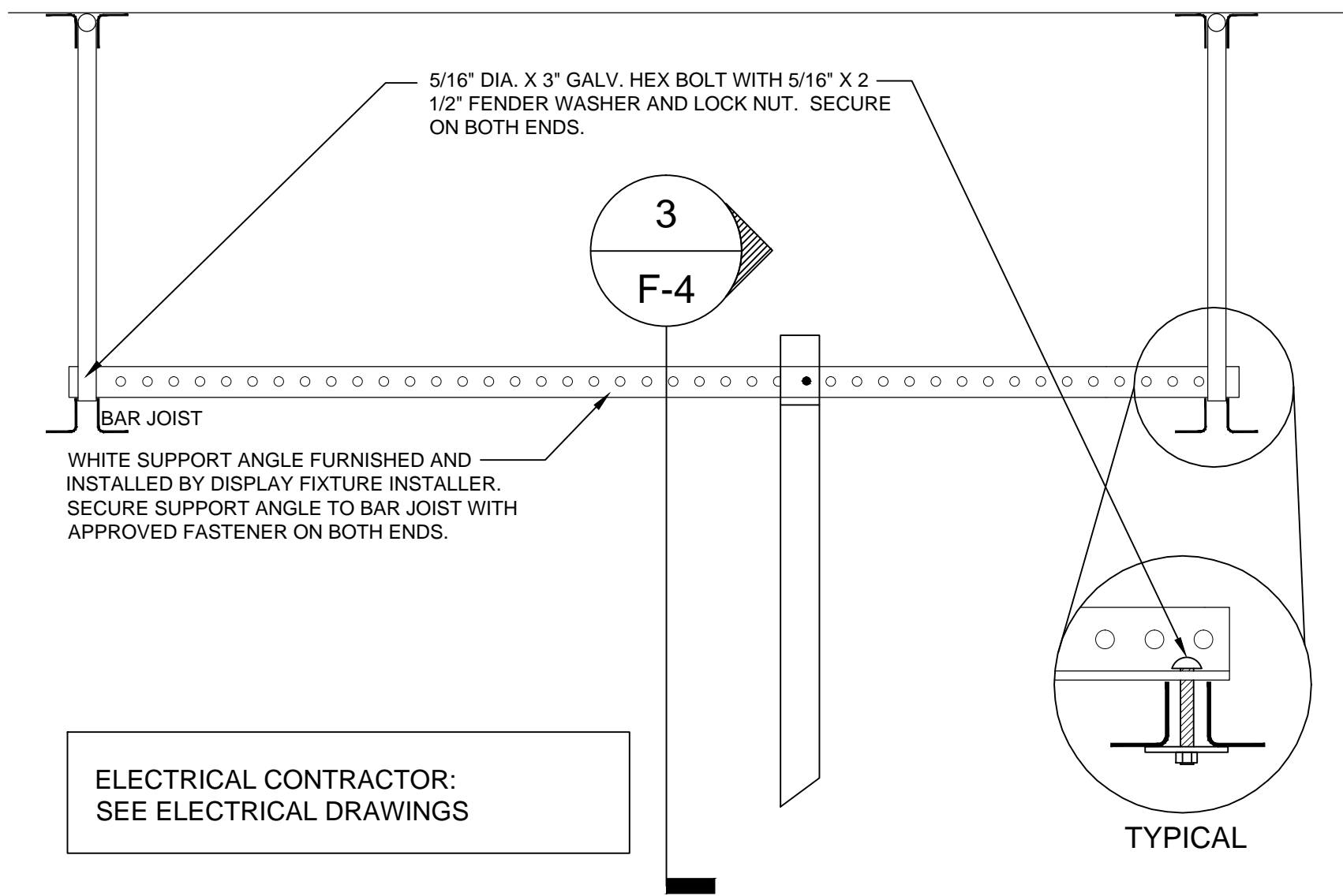


GENERAL NOTES

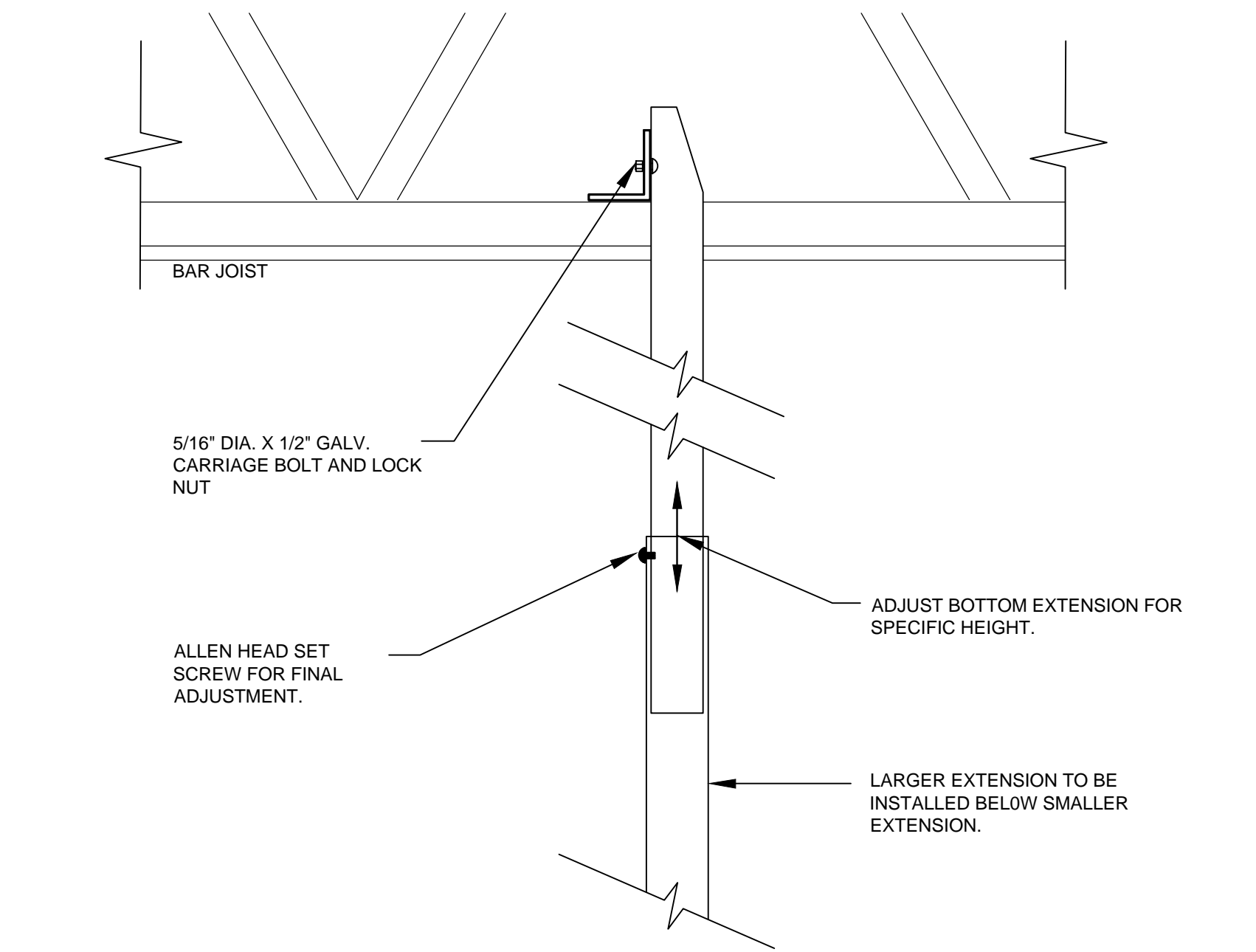
- 1. ALL FIXTURE EXTENSIONS TO BE INSTALLED BY THE FIXTURE CONTRACTOR. ELECTRICAL CONTRACTOR TO MAKE FINAL POWER CONNECTIONS.
- 2. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.
- 3. ALL FIXTURE EXTENSIONS TO BE SUSPENDED FROM CEILING USING UNISTRUT PER FIXTURE EXTENSION ATTACHMENT DETAILS OR INDICATED OTHERWISE BY STRUCTURAL ENGINEER.

FIXTURE EXTENSION KEY

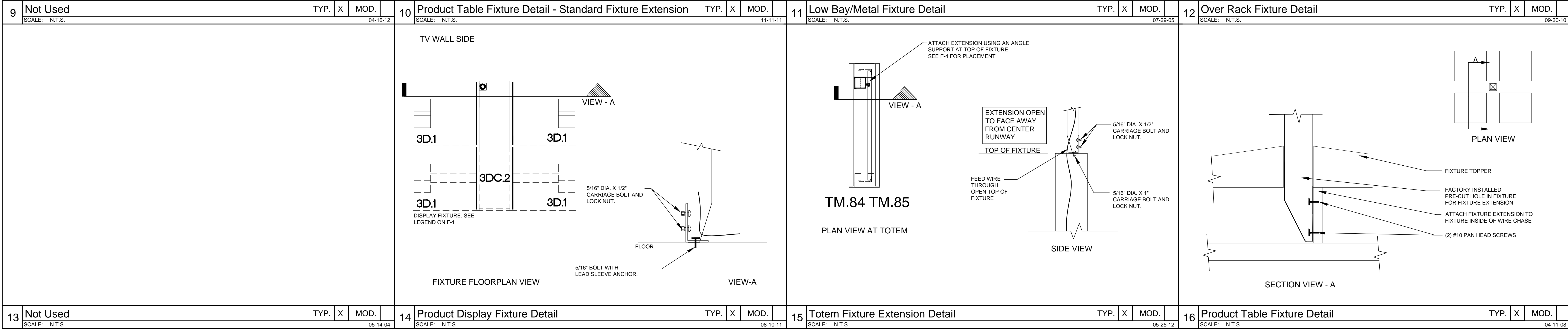
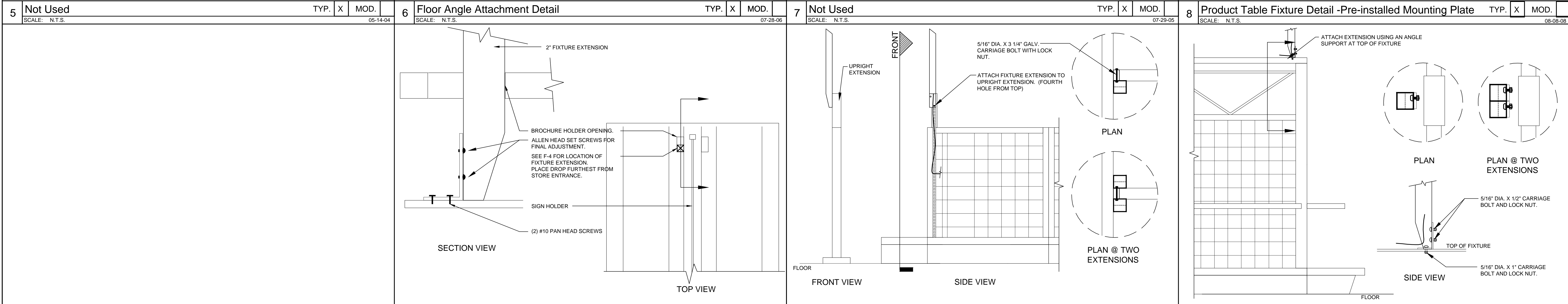
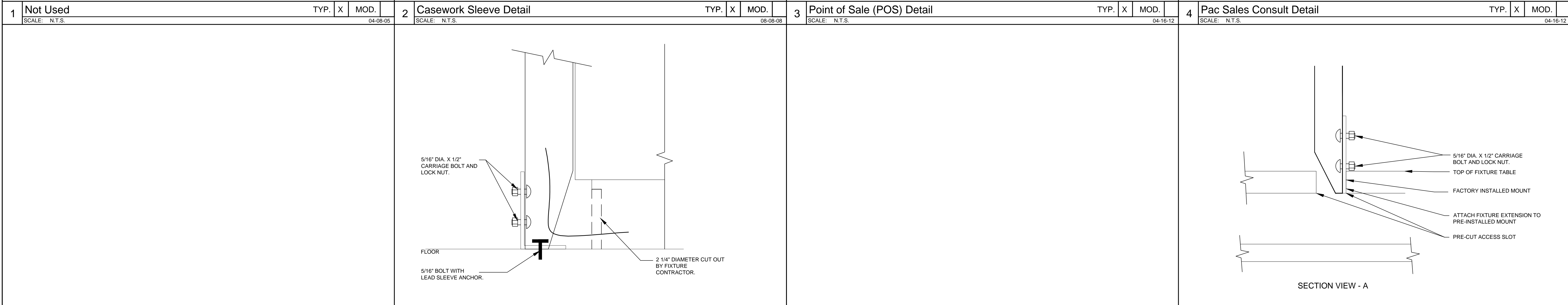
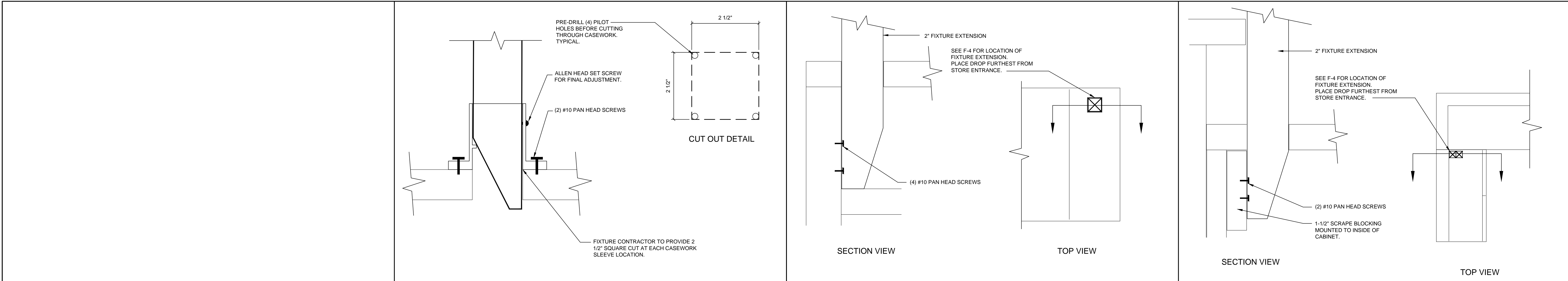
2" STANDARD FIXTURE EXTENSION.



2 Fixture Extension Attachment @ Joist Detail TYP. X MOD. 05-14-04



3 Joist Attachment Detail TYP. X MOD. 08-16-04



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ARCHITECT

CONSULTANT

SEAL

OWNER

LOCATION

DATE

REVISIONS

SHEET

SO. FT. CALCS

RETAIL: 47,958 SF

OFFICES: 1,790 SF

STORAGE/REMAINING: 7,635 SF

INSTALL: 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

BEST BUY

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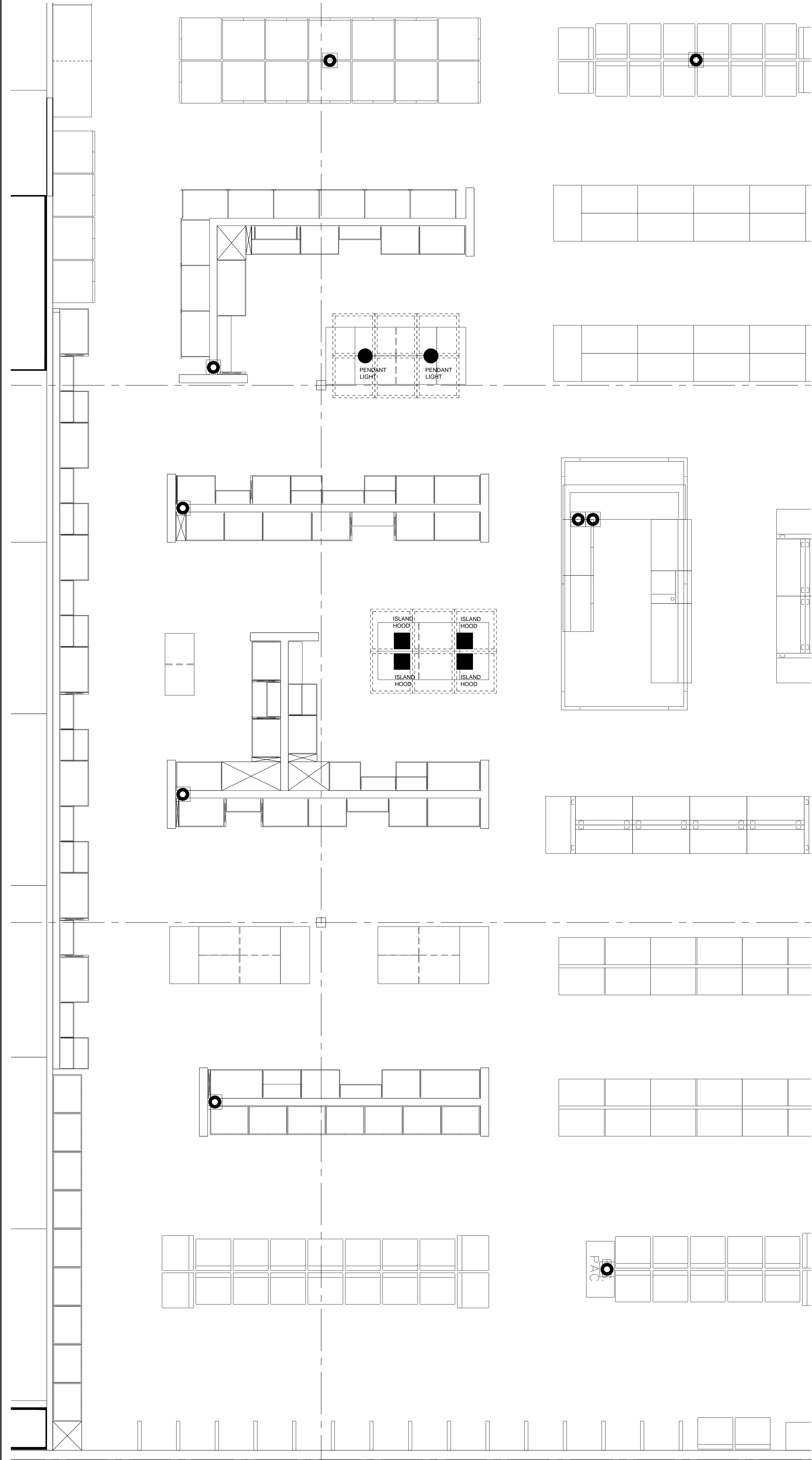
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12/12/2014

REV DATE

SCALE: AS NOTED

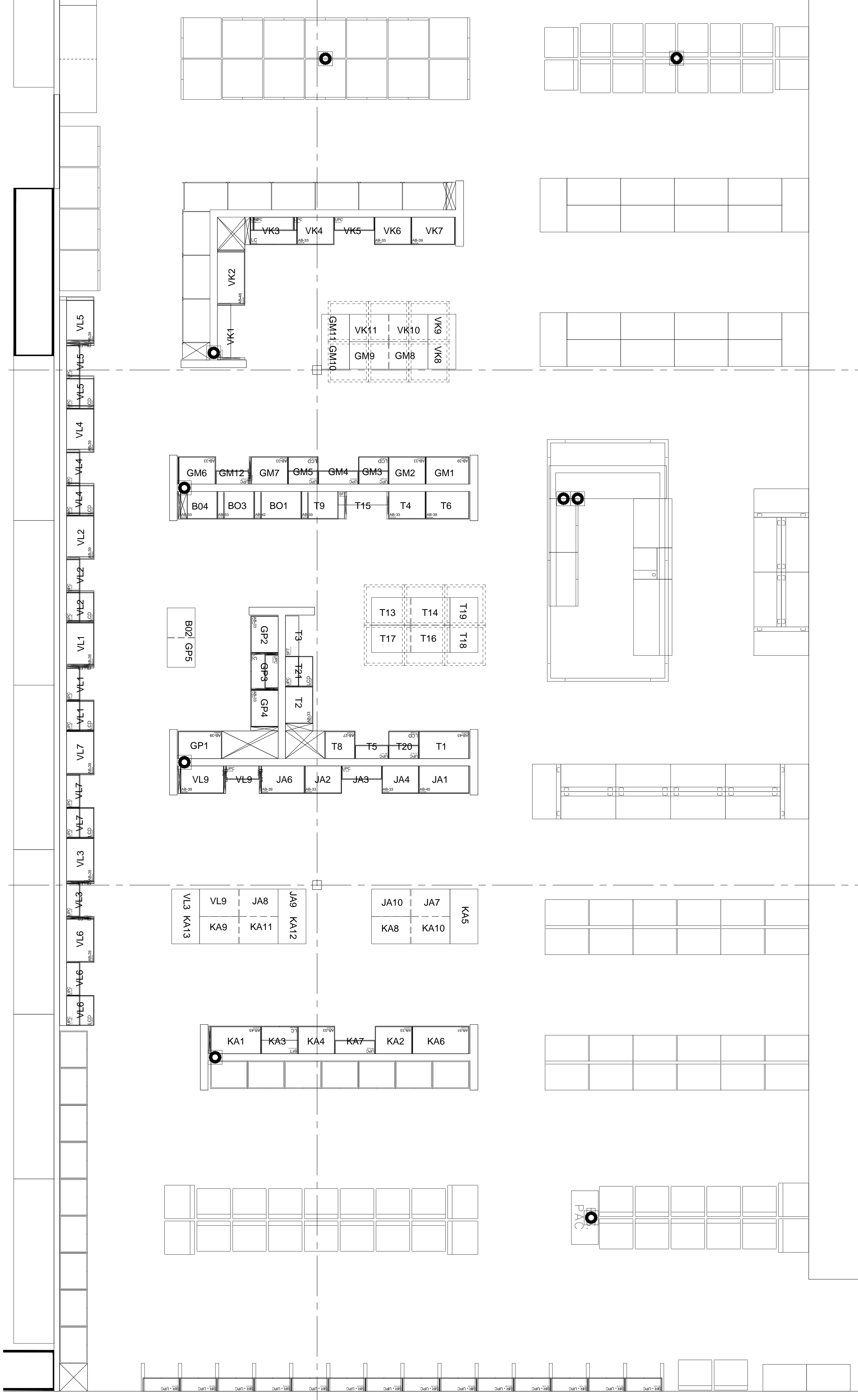
FIXTURE
EXTENSION
DETAILS

F-5



1 OVERHEAD SIGNAGE PLAN

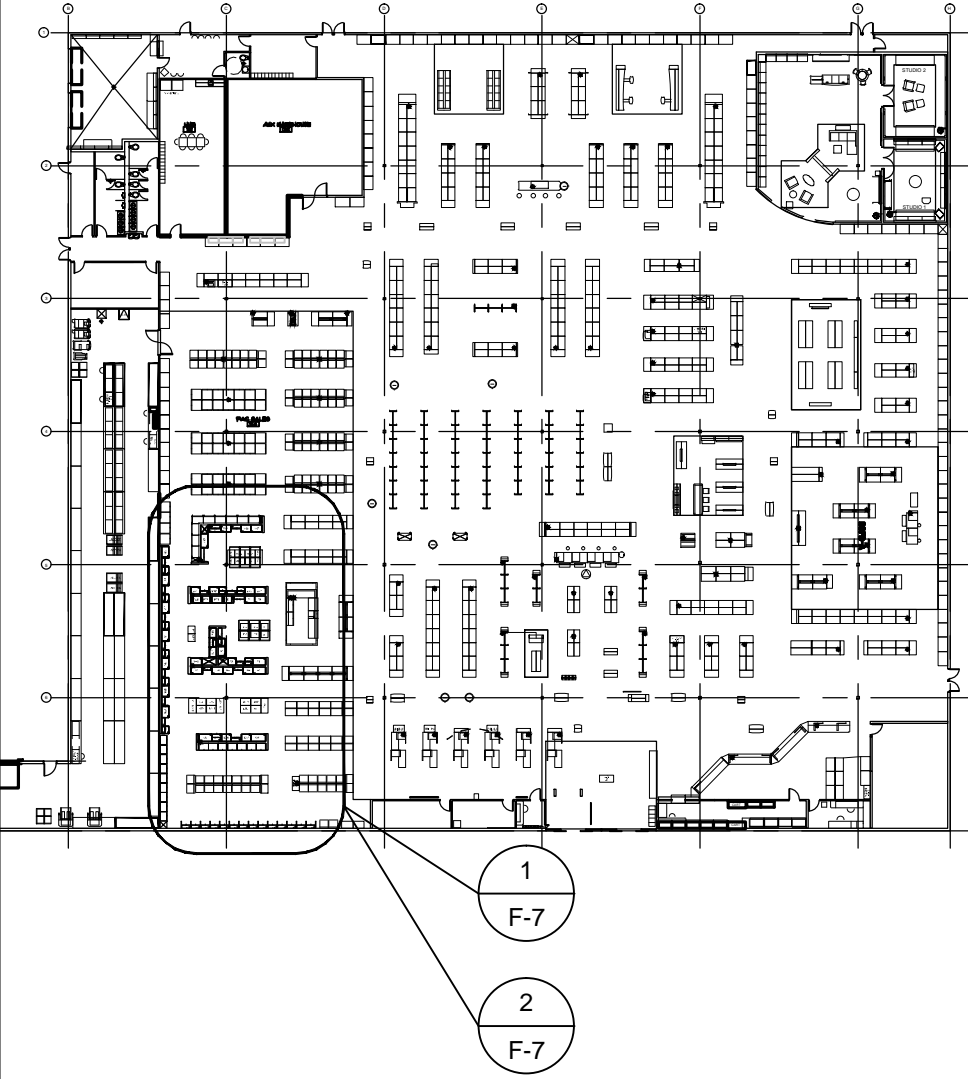
SCALE: 3/8" = 1'-0"



2 CABINET PLAN

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

- ### GENERAL NOTES
- ARCHITECT TO COORDINATE LOCATION OF CABINETS FROM THIS PLAN.
 - ELECTRICAL REQUIREMENTS ARE PRODUCT SPECIFIC. SEE PRODUCT/POWER LIST PROVIDED BY PAC SALES.
 - ELECTRICAL ENGINEER TO COORDINATE LOCATION OF ELECTRICAL FROM THIS CABINET PLAN.



Key Plan

SCALE: N.T.S.

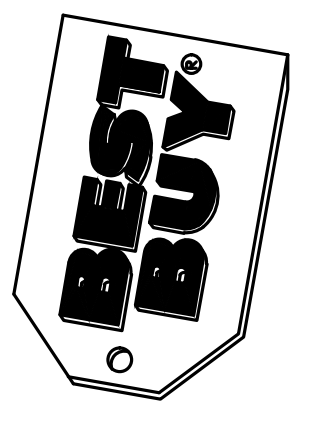
CABINET KEY AND NOTES

- AB-XX**
x ## x ##
AB = APPLIANCE BOX (CABINET CONTAINS APPLIANCE PRODUCT)
XX = outside width of cabinet
x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)
- UPC**
x ## x ##
UPC = UPPER CABINET
x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)
- LC**
x ## x ##
LC = LOWER CABINET WITH COUNTER TOP
x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)
- LCD**
x ## x ##
LCD = LOWER CABINET WITH DISHWASHER AND COUNTER TOP
x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)
- SFT**
x ## x ##
SFT = SOFFIT CABINET
x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)
- SIR-UPC**
x ## x ##
SIR-UPC = SLIDE IN RANGE, UPPER CABINET
x ## x ## = CABINET WIDTH x DEPTH x HEIGHT (IN INCHES)

THIS DRAWING WAS PREPARED FOR
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San Bernardino, CA 92408

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12/12/2014

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PAC SALES
CABINET
PLAN

F-7

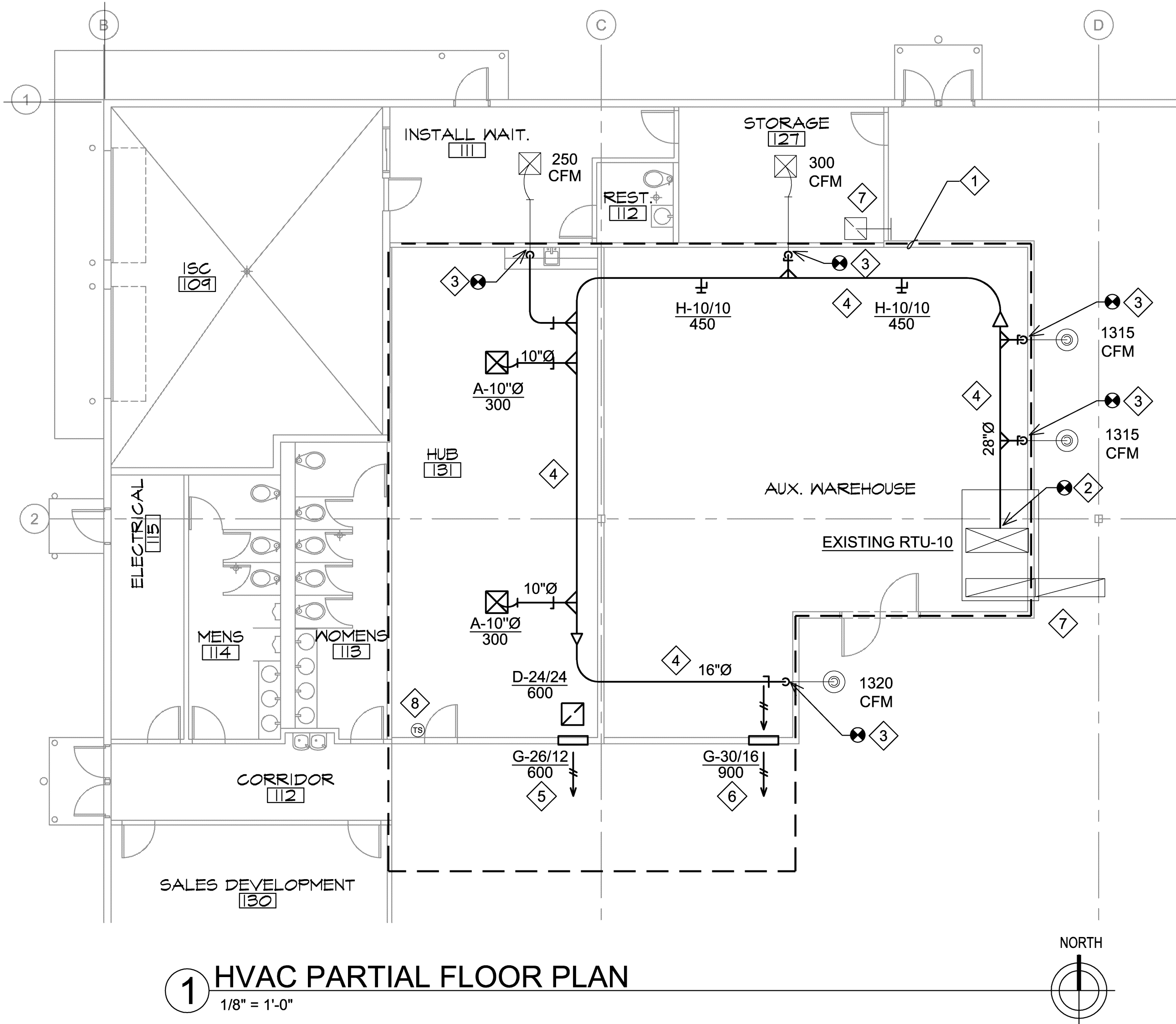
MECHANICAL ABBREVIATIONS	
A.F.F.	ABOVE FINISHED FLOOR
ARCH	ARCHITECT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
CO	CLEAN OUT
CONTR	CONTRACTOR
CP	CONDENSATE PUMP
CW	COLD WATER
DIA	DIAMETER
DIFF	DIFFUSER
DMPR	DAMPER
DN	DOWN
DR	DRAIN
DWG	DRAWING
EAT	ENTERING AIR TEMPERATURE
EWI	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 CLOSED
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
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	TONS OF REFRIGERATION
T-STAT	THERMOSTAT
TYP	TYPICAL
V	SANITARY VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VOL	VOLUME
W	SANITARY WASTE
W/	WITH
W/O	WITHOUT
WCO	WALL CLEAN OUT
WTR	WATER

GENERAL NOTES:

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

KEYED NOTES:

- 1 REMOVE EXISTING DUCTWORK IN THIS AREA FROM ROOFTOP UNIT DROP TO POINTS OF CONNECTION TO NEW.
- 2 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 INDICATED.
- 4 ROUTE NEW DUCTWORK TIGHT TO STRUCTURE.
- 5 PROVIDE 26/12 TRANSFER AIR OPENING IN WALL AS HIGH AS POSSIBLE. MOUNT RETURN AIR TRANSFER GRILLE ON SALES FLOOR SIDE OF WALL.
- 6 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.



1 HVAC PARTIAL FLOOR PLAN
1/8" = 1'-0"

MECHANICAL SYMBOLS LEGEND		
ANNOTATION	DUCTWORK	
<div><div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><div></div></div><div><div><div></div><div></div></div><d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EXISTING ROOFTOP UNIT SCHEDULE					
GENERAL		MECHANICAL			ELECTRICAL
EQUIP. NO.	VINTAGE	CFM		MANUF.	MODEL NO.
		TOTAL	O.A.		
EXISTING RTU-10	1995	6000	1150	TRANE	WCD180
					SEE ELECTRICAL

DIFFUSER, GRILLE & REGISTER SCHEDULE							
EQUIP. LETTER	SERVICE	MOUNTING TYPE	DESCRIPTION	ACCESSORIES	FINISH	MANUF.	MODEL NO.
A	SUPPLY	LAY-IN	24"X24"	A.	WHITE	TITUS	TMS
D	RETURN/EXHAUST	LAY-IN	SIZE PER PLAN	-	WHITE	TITUS	50F
G	TRANSFER/RETURN	SURFACE	SIZE PER PLAN	-	WHITE	TITUS	350RL
H	SUPPLY	SURFACE	SIZE PER PLAN	A	WHITE	TITUS	350RL
MECH. NOTES				ACCESSORIES			
1. APPROVED EQUAL, TUTTLE BAILEY, CARNES, PRICE				A. OPPOSED BLADE DAMPER			
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" SPACING.							

12/15/2014

DUNHAM
Dunham Associates & Minnesota, Inc.
4500 Highway 101 South, Suite 1100
Minneapolis, Minnesota 55425-1840
Phone: 612.485.7550 Fax: 612.485.7551
mechanical + electrical consulting engineering

PROJECT#: 415752-040
SQ. FT. CALCS
RETAIL: 47,958 SF
OFFICES: 1,790 SF
STORAGE/REMAINING: 7,635 SF
INSTALL: 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

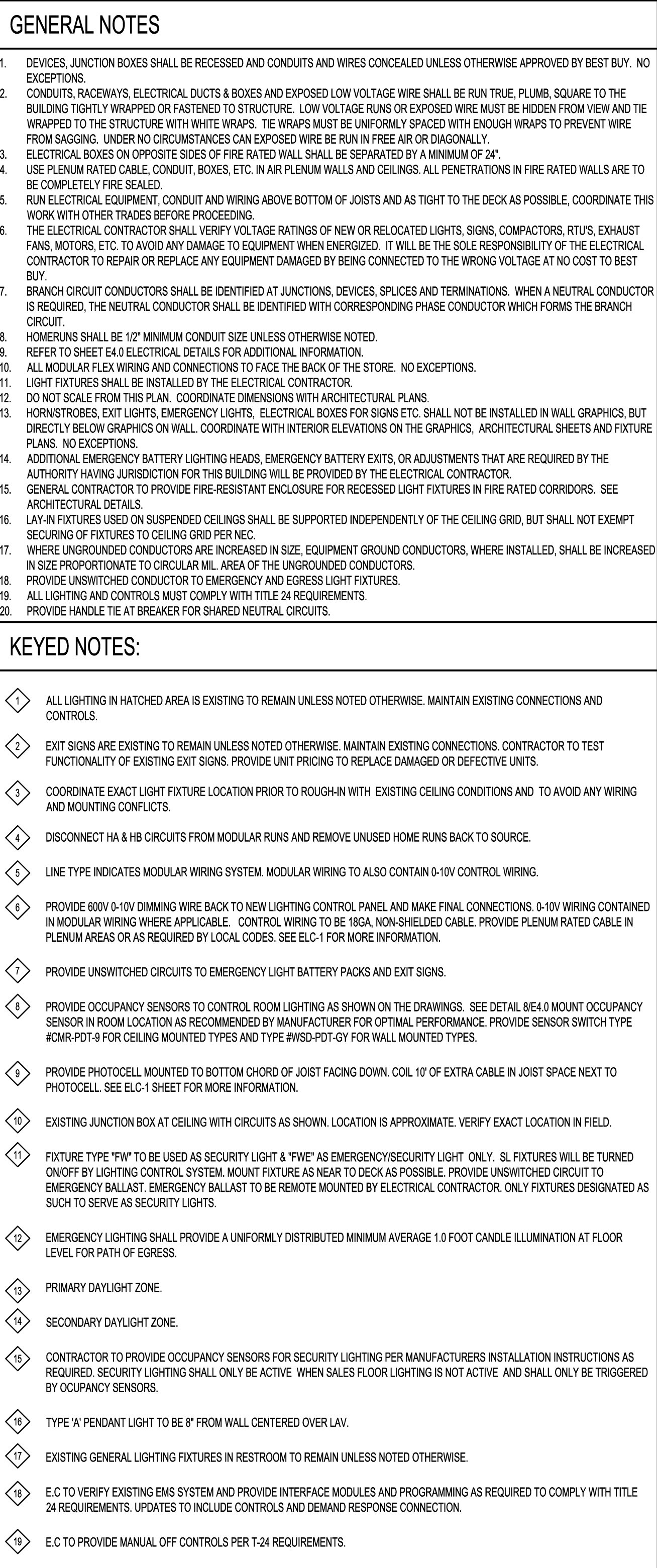
San Bernardino, CA 92408
888 Harriman Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014






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HVAC PARTIAL FLOOR PLAN

M1.0



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

Lighting Schedule										
SYMBOL	VA	TAG	TYPE	VOLTAGE	MOUNTING	LAMP	BALLAST	MANUFACTURER'S CATALOG #	REMARKS	NOTES
	15	A	PENDANT LIGHT	320	PENDANT (CEILING)	GE (1) CF13827-R6	-	LITHONIA-11556-BN-CF131NR827-GU24	PENDANT LIGHT MOUNTED 7'-0" AFF TO BOTTOM OF LIGHT FIXTURE.	1,3
	187	C	FLUORESCENT HIGH BAY WITH DIMMING BALLAST	277	AIRCRAFT CABLE	(6) GE #2878/NA/SPK50/ECO	(2) GE #932-MVP5-N-V03	LITHONIA-IR2-420-277-23-GVHPVS-PAF-IR2ACVH	LINEAR FLUORESCENT HIGH BAY WITH ELECTRONIC DIMMING BALLAST. ELECTRICAL CONTRACTOR TO PROVIDE SUSPENSION CABLES AND LAMP GUARDS.	1,2,3
	72	F63	2'X4' RECESSED STATIC FLUORESCENT TROFFER	337	RECESSED, GRID LAY-IN CEILING	(3) GE #2878/NA/SPK50/ECO	(1) GE #932-MVP5-N-V03	LITHONIA-12G78-332-A1225-MVOLT-GEUS	ACRYLIC PRISMATIC LENS -125 THICKNESS. PROVIDE ONE ELECTRONIC DIMMING BALLAST.	1,2,3
	50	FWE	4' FLUOR. WIREAROUND (FWS)	277	SURFACE	(2) GE #2878/NA/SPK50/ECO	(1) GE#932-MVP5-N	LITHONIA-ACLM-3-24-MVOLT-GEUS US AS IM902CURITY LIGHT ONLY. EC TO REMOVE MOUNT LITHONIA PS3000 (EMERGENCY BALLAST). COORDINATE INSTALLATION WITH MANUFACTURER'S INSTRUCTIONS.		1,3
	32	X2	EMERGENCY BATTERY UNIT WITH TUNGSTEN LAMP HEADS	277	SURFACE (UNIVERSAL)	(2) 20W -12 VOLT HALOGEN LAMPS INCLUDED	-	LITHONIA-HEM3277-10013-SD	WHITE COLOR HOUSING STANDARD. UNIT PROVIDED WITH SELF EXPLANATORY INSTRUCTIONS.	1,3

- | GENERAL NOTES | |
|---------------|---|
| 1 | 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. |
| 2 | MATCH EXISTING MOUNTING HEIGHTS |

- | | |
|-----------|--|
| KEY NOTES | |
| 1 | NO SUBSTITUTION OF LIGHT FIXTURES SHALL BE ALLOWED. NO EXCEPTIONS. |
| 2 | ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRE IF MODULAR FLEX WIRING IS NOT ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND INCLUDE IN YOUR BID. |
| 3 | THE ELECTRICAL CONTRACTOR SHALL FURNISH LIGHT FIXTURES, LAMPS AND MISCELLANEOUS HARDWARE, INCLUDING FLEXIBLE MODULAR WIRING SYSTEMS. |

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

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

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.

1. DEVICES AND JUNCTION BOXES SHALL BE RECESSED AND CONDUITS AND VENTS CONCEALED UNLESS OTHERWISE SPECIFIED BY BEST BUY.
2. 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 BE WRAPPED TO THE STRUCTURE WITH WHITE WRAPS. THE WRAPS MUST BE UNIFORMLY SPACED WITH ENOUGH WRAPS TO PREVENT VIEW OF THE WRAPPING. UNDER NO CIRCUMSTANCES SHALL ANY WRAPPING BE DONE HORIZONTALLY OR DIAGONALLY.
3. ELECTRICAL BOXES OR OPPOSITE SIDES OF FIRE RATED WALL SHALL BE SEPARATED BY A MINIMUM OF 24".
4. USE RAIN RATED CABLE, CORD, BOXES, ETC. IN ALL PLENUM WALLS AND CEILINGS. ALL PENETRATIONS OF FURRED RATED WALLS ARE TO BE MADE BY THE CONTRACTOR.
5. RUN ELECTRICAL EQUIPMENT, CONDUIT AND WIRING ABOVE BOTTOM OF JOISTS AND AS TIGHT TO THE DECK AS POSSIBLE, COMPLETING THIS WORK WITH OTHER TRADES BEFORE PROCEEDING.
6. THE ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE RATINGS OF NEW OR RELOCATED LIGHTS, SIGNALS, COMMODORS, RITUS, EXHAUST FANS, ETC. TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY VOLTAGE INCONSISTENCY. THE ELECTRICAL CONTRACTOR TO REPAIR OR REPLACE ANY EQUIPMENT DANKED BY BEING CONNECTED TO THE WRONG VOLTAGE OR TO COST TO BEST BUY.
7. BRANCH OR CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AT JUNCTIONS, DEVICES, SPICES AND TERMINATIONS. WHEN A NEUTRAL CONDUCTOR IS REQUIRED, THE NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH CORRESPONDING PHASE CONDUCTOR WHICH FORMS THE BRANCH CIRCUIT.
8. HOMERUNS SHALL BE 1/2" MINIMUM CONDUIT SIZE UNLESS OTHERWISE NOTED.
9. 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 PANEL BOARD.
10. SEE 6.0 LOW VOLTAGE FOR ADDITIONAL CONDUIT REQUIREMENTS FOR BEST BUY.
11. OUTLET HEIGHTS WILL BE TO CENTER OF OUTLET, UNLESS OTHERWISE NOTED.
12. DO NOT SCALE FROM THIS PLAN.
13. COORDINATE ALL CONDUIT AND BOX INSTALLATIONS ON COLLUMNS WITH GENERAL CONTRACTOR BEFORE REROUTING.
14. ALL RECEPTILES SHALL BE 20 AMP, UNLESS OTHERWISE NOTED.
15. DOORS TO ELECTRICAL ROOMS SHALL BE SIGNIFIED AS "ELECTRICAL ROOM ELECTRICAL CONTRACTOR TO PROVIDE ENGRAVED BLACK NAME PLATE WITH WHITE LETTERS, NO EXCEPTIONS.
16. IF PVC UNDERGROUND CIRCUIT IS NOT ALLOWED BY AUTHORITY HAVING JURISDICTION PROVIDE RIGID GALVANIZED STEEL CONDUIT AND MAKE AS REQUIRED.
17. WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE, EQUIPMENT GROUND CONDUCTORS, WHEN INSTALLED, SHALL BE INCREASED IN SIZE PROPORTIONALLY ACCORDING TO CIRCULAR MIL. AREA OF THE UNGROUNDED CONDUCTORS.
18. ALL CONDUITS SHALL BE MINIMUM OF 3/4" BELOW THE SLAB WITH GROUND COVER.
19. PROVIDE BRUSHED STAINLESS STEEL WALL COVERS.
20. CONTRACTOR TO ACCOUNT FOR VOLTAGE DROP WHEN PROVIDING NEW OR EXISTING BRANCH CIRCUIT. VOLTAGE DROP TO BE BASED ON LOADS SHOWN IN PANEL SCHEDULES.
21. CONTRACTOR TO VERIFY CIRCUITS UNLESS INDICATED IN EIMS PRIOR TO RE-USE FOR GONDOLA POWER. ONLY UNWIRTHED CIRCUITS MAY BE RE-USED FOR GONDOLA POWER.
22. EXISTING FLOOR BONES IN PACS, MALLS, MANHOLE CHAMBERS, AND VENDOR PADS TO BE REMOVED AND FILLED IN. ALL FLOOR BONES WITH POWER IS INTERRUPTED BY REMOVAL OF BONES IN FORMERLY LOCATED AREAS SHALL ALSO BE REMOVED AND FILLED IN. TURN OVER TO BEST BUY FOR REMOVAL OF BONES. CONTRACTOR TO BUY FILL FOR FLOOR BONES. CONTRACTOR TO VERIFY FILL IS SUITABLE FOR MULTIPLE BRANCH OR HANDLE IN CASE AT ALL SHARED NEUTRAL CIRCUITS.

- ◆ 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. REUSE 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. MAINTAIN AVAILABLE AS-BUILT DRAWINGS.
- ◆ FIXTURE EXTENSION FROM JOIST SPACE DOWN TO DISPLAY FIXTURE WITH PULL LINE. SEE DETAIL 4.0 ON ELECTRICAL DETAILS SHEET B4.0. BEST BUY SPECIFIED FIXTURE EXTENSION SHALL BE FURNISHED AND INSTALLED BY OTHERS. BOND FIXTURE EXTENSION TO BUILDING STEEL.
- ◆ GONDOLA LOCATION SHIFTING SLIGHTLY. REUSE EXISTING DROPS AND FIXTURE LEVEL POWER. RELOCATE DROP AND FIXTURE EXTENSION WITH GONDOLA MOVE AS REQUIRED.
- ◆ SURFACE MOUNTED 1" CONDUIT WITH MC CABLE RUN FROM JOIST SPACE DOWN TO JUNCTION BOX MOUNTED ON WALL ABOVE FIXTURE. SEE DETAIL 154.0.
- ◆ DUPLEX/GP RECEPTACLE (GRAY), MOUNTED 4'-0" A.F.F. TO CENTER UNLESS OTHERWISE NOTED.
- ◆ PANELS ARE EXISTING TO REMAIN AND LOCATIONS ARE APPROXIMATE. E.C IS TO VERIFY EXACT LOCATIONS IN FIELD.
- ◆ DOUBLE DUPLEX/GP RECEPTACLE (GRAY), MOUNTED 2'-0" A.F.F. TO CENTER UNLESS OTHERWISE NOTED.
- ◆ PROVIDE (1) EMPTY SURFACE MOUNTED 2" CONTINUOUS CONDUIT WITH PULL LINES FROM COMM. ROOM WALL AT 8'-0" A.F.F. TO JOIST SPACE USING 3/4"-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 IFC 7.4 REQUIREMENTS.
- ◆ 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 3/4"-RADIUS SWEEPS TO MAKE THE BENDS AND WITH NYLON BUSHINGS AT EACH END.

SYMBOL	DESIGNATION
ELECTRICAL ABBREVIATIONS	
AFB	ARCHITECTURAL INTERRUPTER
AHF	ABOVE FINISHED FLOOR
ABV	AIR-HANDLING UNIT
BV	BEST BAY
C	CIRCUIT
CKT	CONDUIT
CJ	COPPER
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FACP	FIRE-ALARM CONTROL PANEL
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
I	ISOLATED GROUND
JBOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMP
KW	KILOWATT
MC	NONMETALLIC CONTRACT
NEC	NATIONAL ELECTRICAL CODE
PNL	PANEL
RECEPT	RECEPTACLE
REFG	REFRIGERATOR
RTU	ROOF TOP UNIT
SW	SWITCH
SPKR	SPEAKER
TSTAT	THERMISTAT
UP	TYPICAL
VA	VOLT-AMP
WP	WEATHERPROOF
WMRI	TRANSFORMER
NOTE: REFER TO MOTOR AND EQUIPMENT SCHEDULES FOR ADDITIONAL MOTOR ABBREVIATIONS	
RACEWAYS	
	CONDUIT AS DESCRIBED ON DRAWINGS AND SPECIFICATIONS
	RIGID CONDUIT
	EMT
	0-10V CONTROL WIRING
	UNDERGROUND CONDUITS
	CONDUIT WITH BUSHED END
	CONDUIT WITH BREAK OR CONTINUATION
	CIRCUIT HOME RUN
	+ L1 INDICATES PANEL
	+ NUMBERS INDICATE CIRCUITS
	CONDUCTOR COUNT - UNLESS NOTED OTHERWISE
	+ SHORT-HASH INDICATES 1/2 SIZE
	+ LONG-HASH INDICATES 3/4 SIZE
	+ HASH W/HASH W/HASH INDICATES 1 1/2 SIZE
	JUNCTION BOX - WALL-MOUNTING MOUNT

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

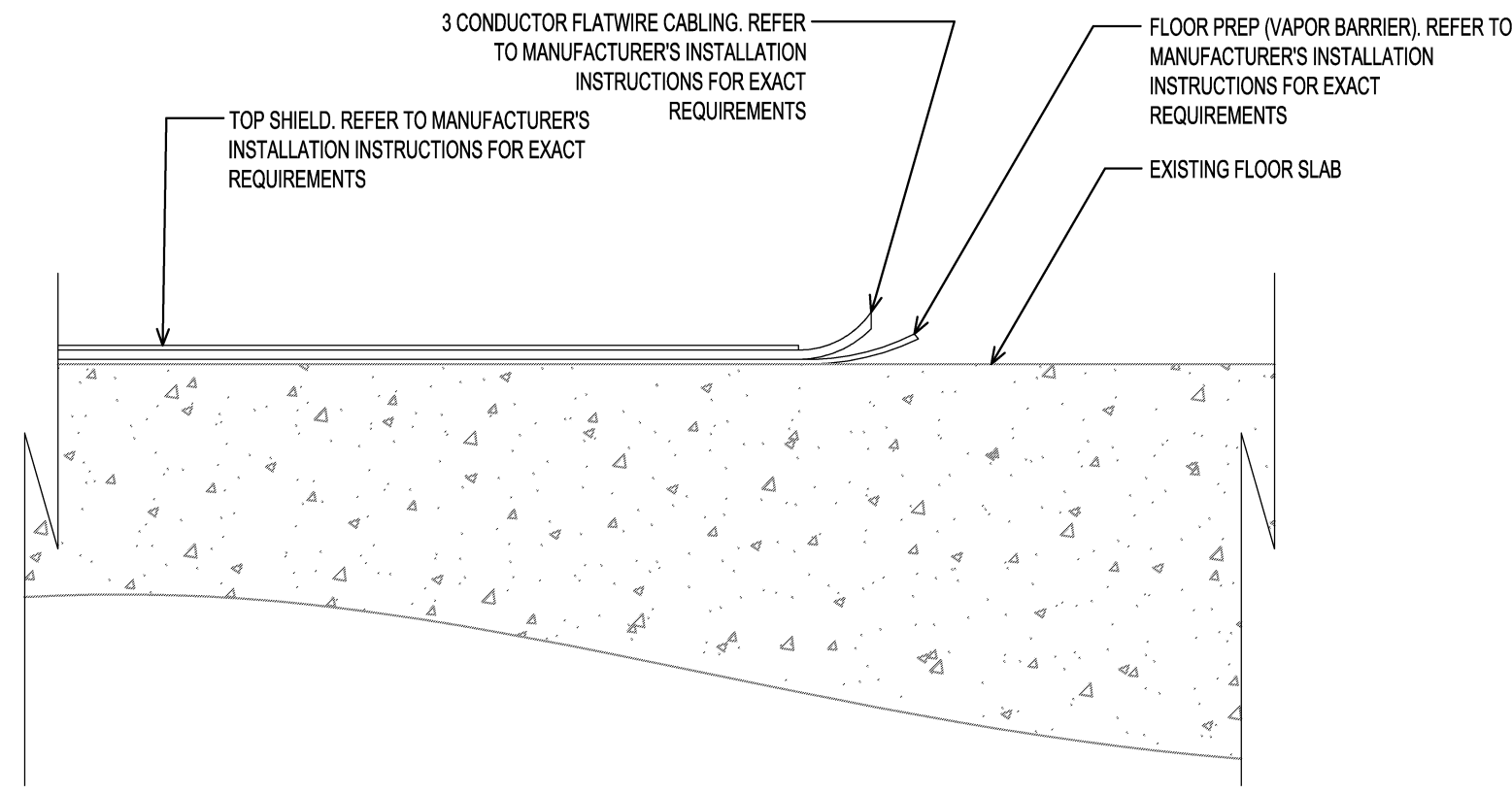
San Bernardino, CA
888 Harriman Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014

REV	DATE
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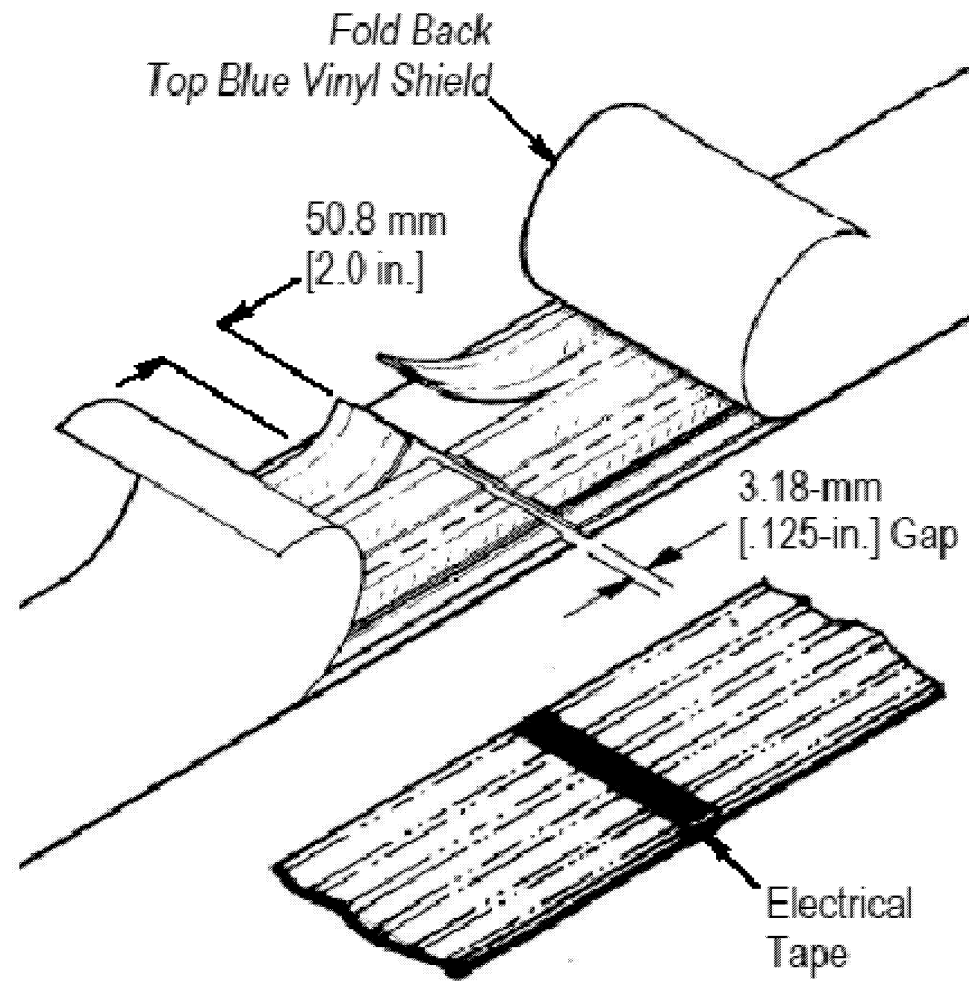
ELECTRICAL LIGHTING PLAN

E1.0



3 FLATWIRE INSTALLATION DETAIL
NO SCALE

Installing Splice Connector to Undercarpet Power Cable



4 FLATWIRE SPLICING DETAIL
NO SCALE

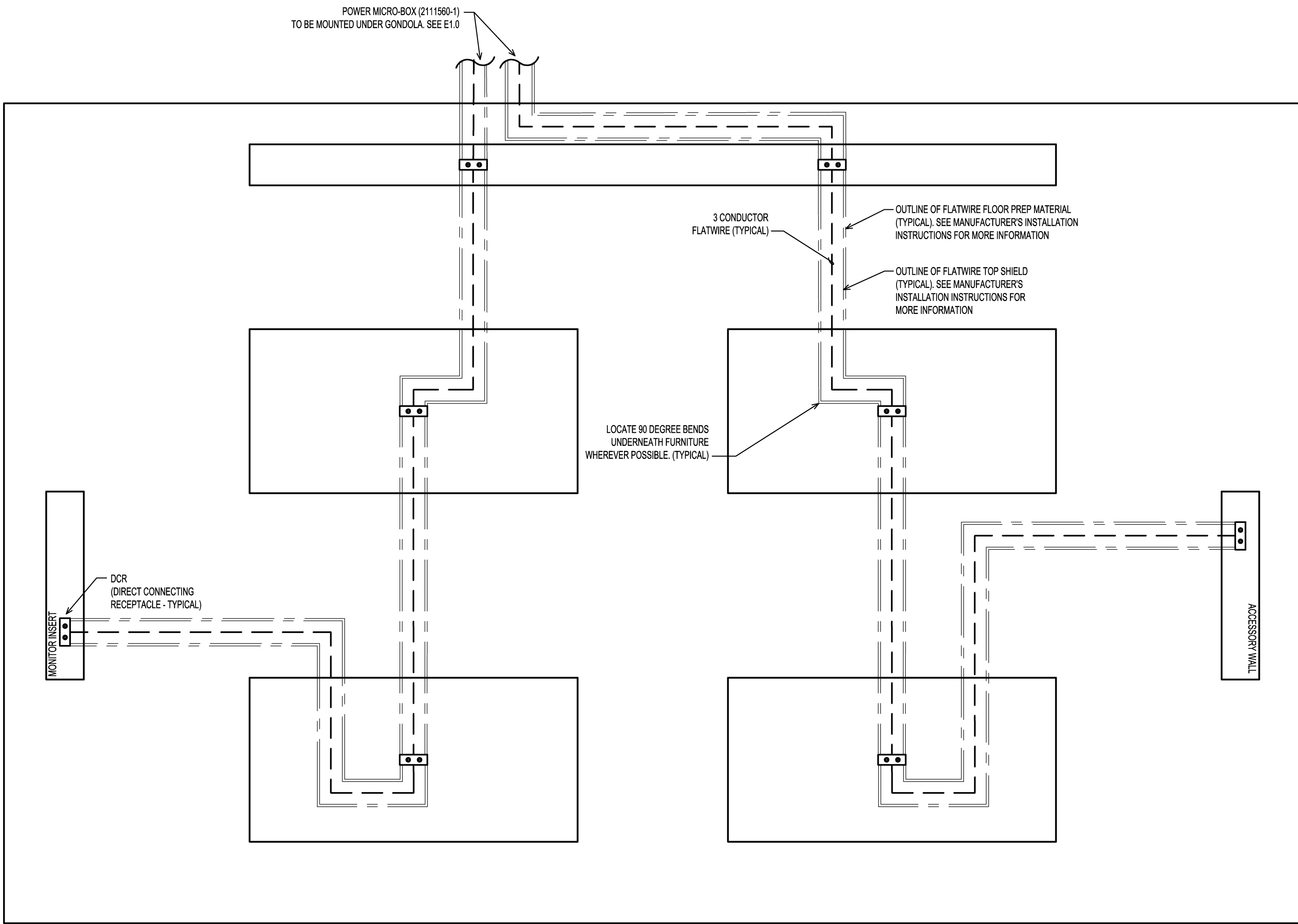
GENERAL NOTES:

1. 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.
2. POWER FLATWIRE IS BEING FURNISHED AS A KIT OF PARTS.
3. CONTRACTOR TO PROVIDE STANDARD BOXES, RECEPTACLES, AND WIRING AS REQUIRED FOR COMPLETE INSTALLATION.
4. 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.
5. 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.
6. 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.
7. REFER TO FLATWIRE INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND INSTALLATION REQUIREMENTS.
8. 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 #E1.0. CRIMP FLAT CONDUCTORS TOGETHER AND REPLACE TOP SHIELD.
9. FLATWIRE MUST BE RUN UNDER CARPET SQUARES NO LARGER THAN 3'x2'. 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.
10. DIRECT CONNECTING RECEPTACLE MUST BE ORIENTED AS SHOWN ON PLANS. NO EXCEPTIONS.

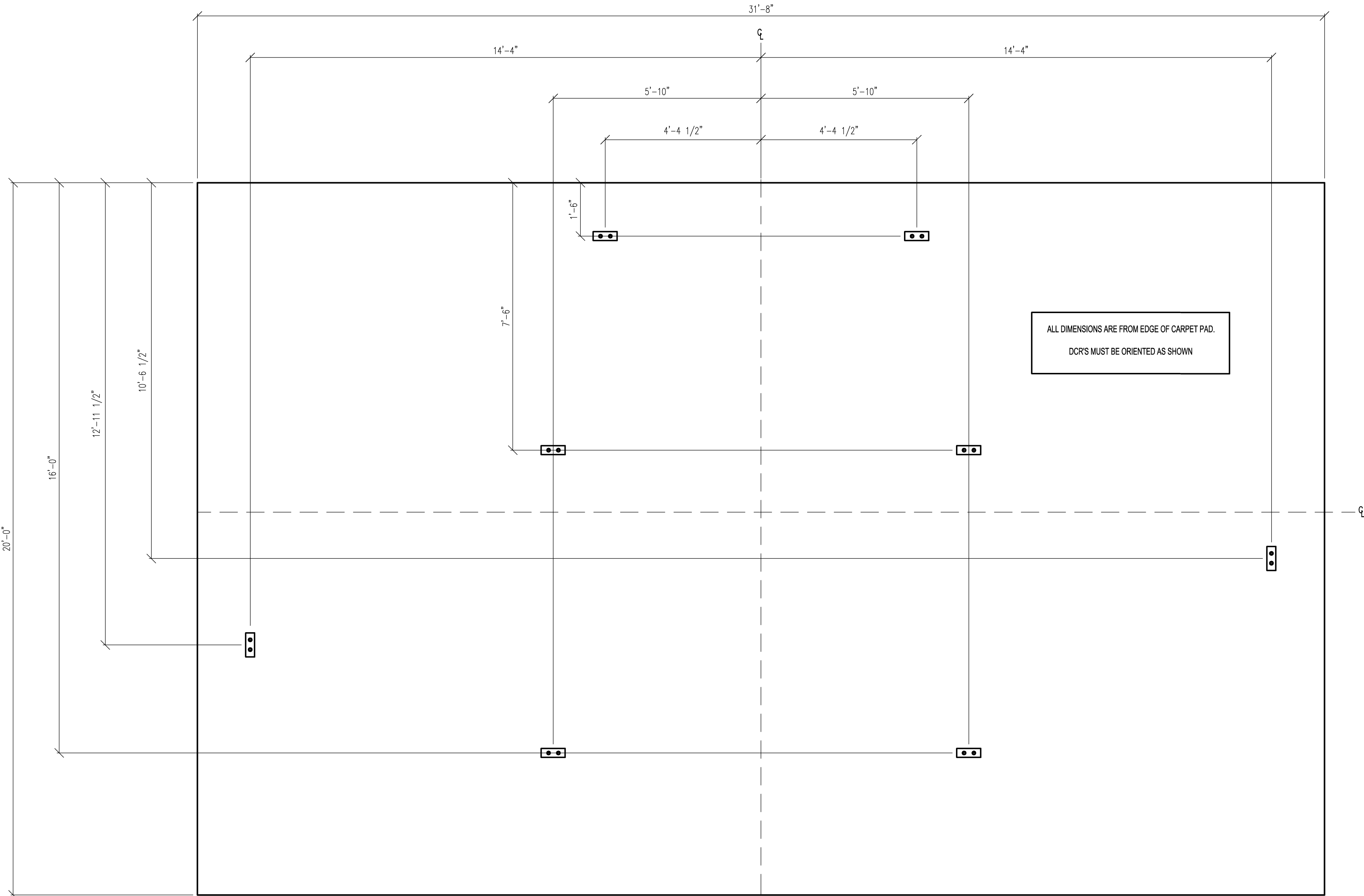
NOTE:

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.
CONTACT:
DEAN NELSON - (763) 656-4004
ALL AMP COMPONENTS ARE ULL AND CSA LISTED.



1 APPLE PAD 2.0 AS4 FLATWIRE ROUTING
1/2" = 1'-0"



2 APPLE PAD 2.0 AS4 DEVICE DIMENSIONS
1/2" = 1'-0"

12/15/2014

DUNHAM
Dunham Associates & Associates, Inc.
4500 Glenview Street, Suite 1100
Minneapolis, Minnesota 55412-1840
Phone: (612) 485-7550 Fax: (612) 485-7551
mechanical • electrical consulting engineering

PROJECT#: 415752-040
SQ. FT. CALCS
BETAL: 47,958 SF
OFFICES: 1,790 SF
STORAGE/REMAINING: 7,635 SF
INSTALL: 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

BEST BUY

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

PERMIT SET
12/12/2014

REV	DATE
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APPLE PAD 4
TABLE
E1.1

ARCHITECT

SEAL

CONSULTANT

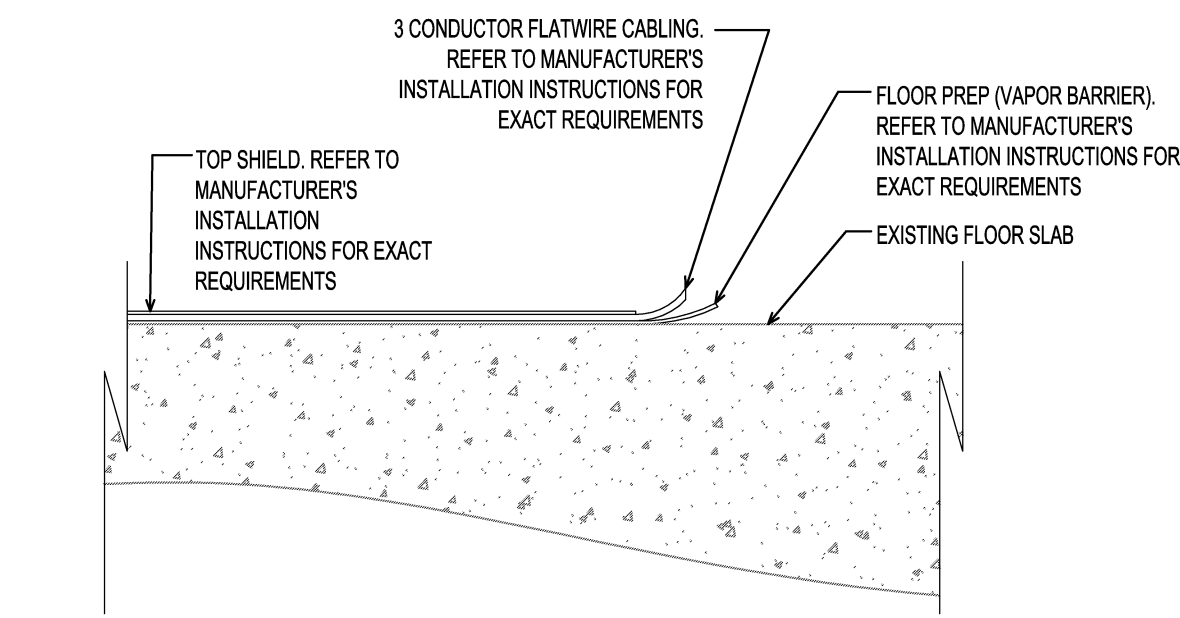
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LOCATION

DATE

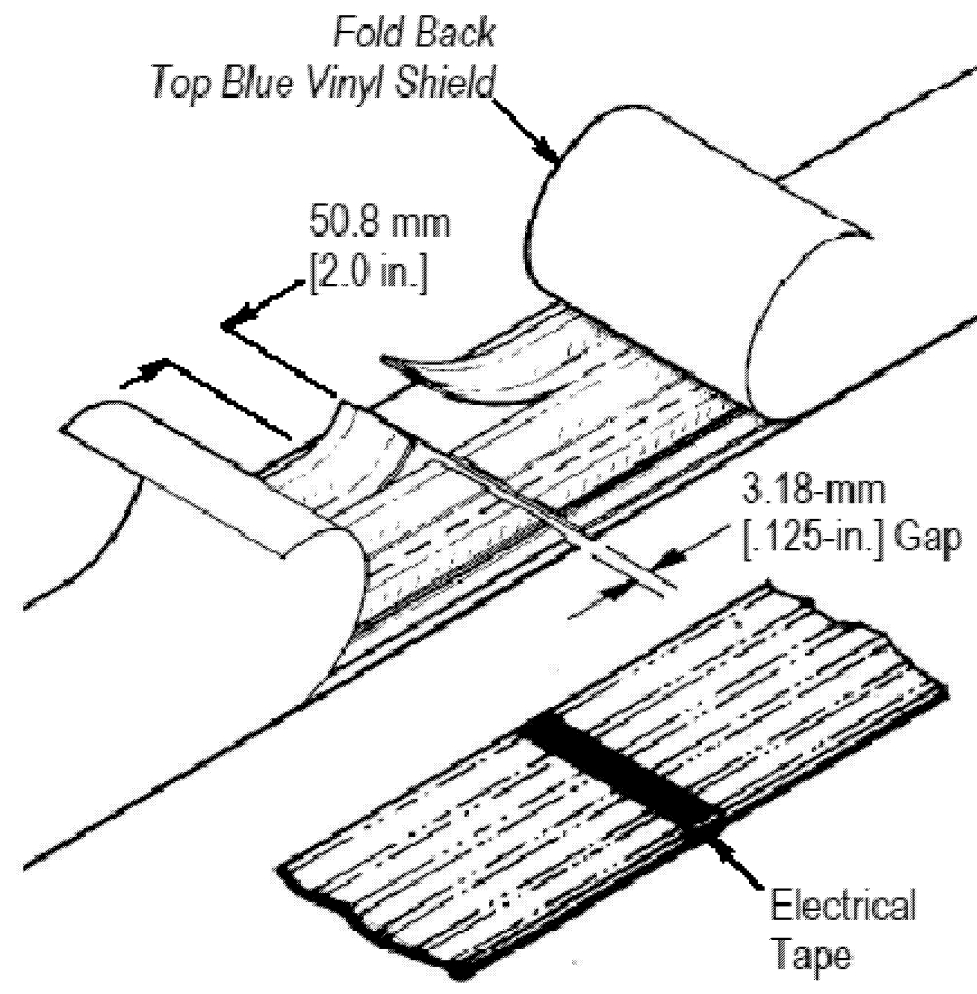
REVISIONS

SHEET



3 FLATWIRE INSTALLATION DETAIL
NO SCALE

Installing Splice Connector to Undercarpet Power Cable



4 FLATWIRE SPLICING DETAIL
NO SCALE

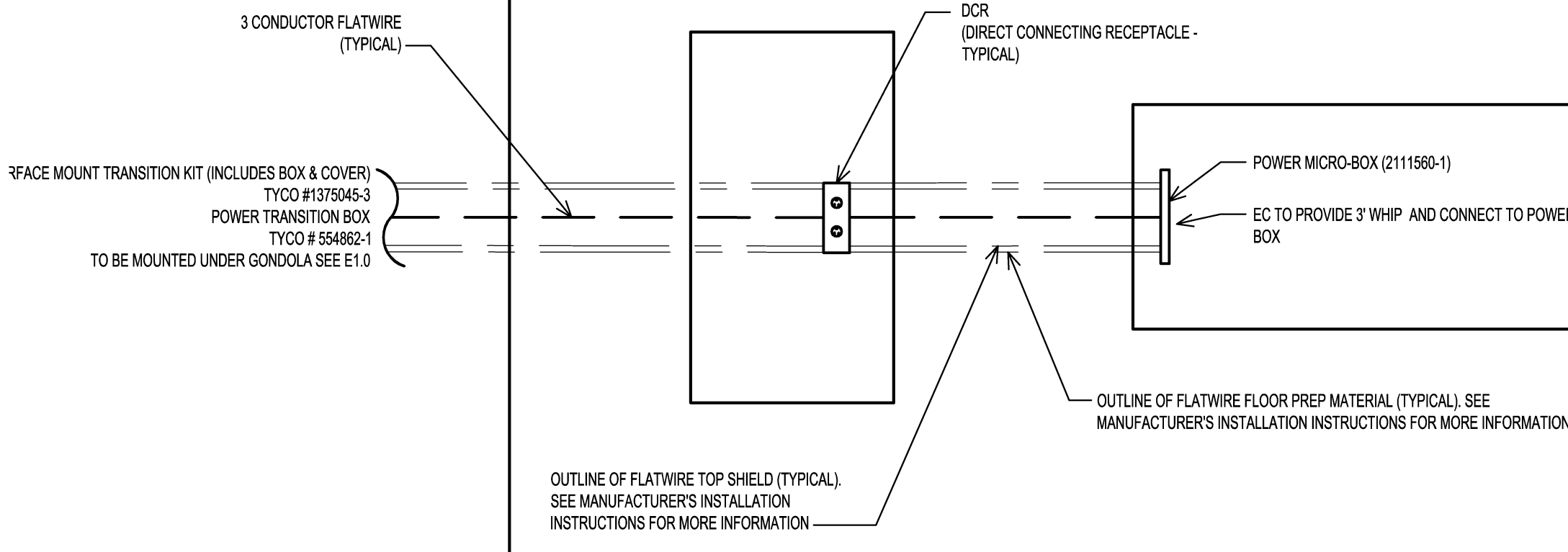
GENERAL NOTES:

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- POWER FLATWIRE IS BEING FURNISHED AS A KIT OF PARTS.
- CONTRACTOR TO PROVIDE STANDARD BOXES, RECEPTACLES, AND WIRING AS REQUIRED FOR COMPLETE INSTALLATION.
- 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.
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- IF NEW FEED IS PROVIDED, DROP MAY OCCUR ALONG PERIMETER WALL, NEAREST COLUMN OR GONDOLA. PROVIDE SURFACE MOUNTED DMT, 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.
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- FLATWIRE MUST BE RUN UNDER CARPET SQUARES NO LARGER THAN 5'x7'. 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.

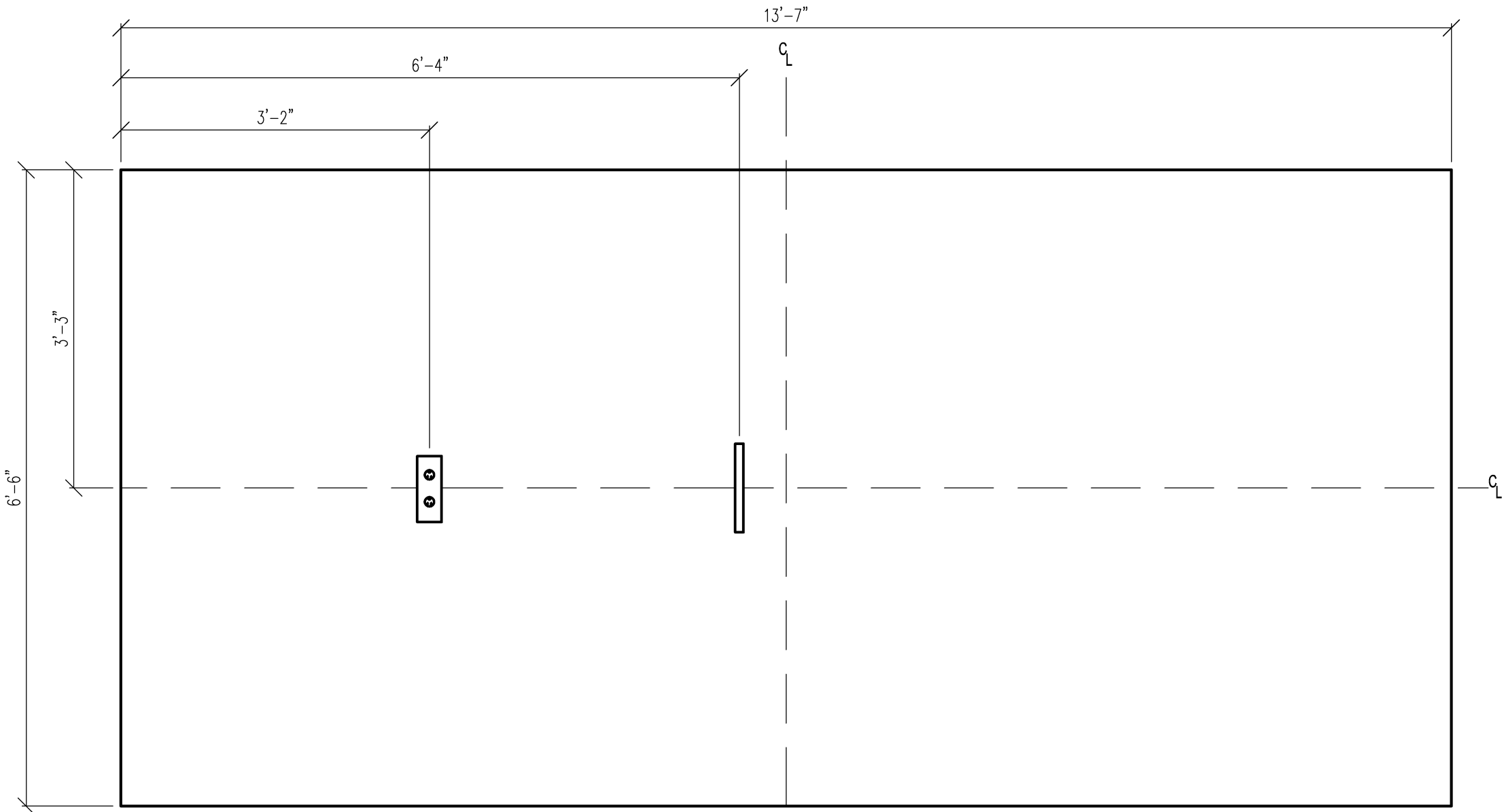
NOTE:

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.
CONTACT:
DEAN NELSON - (763) 696-4004
ALL AMP COMPONENTS ARE UL AND CSA LISTED.

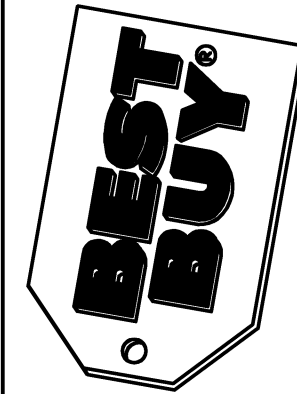


1 APPLE MOBILITY PAD FLATWIRE ROUTING
3/4" = 1'-0"



ALL DIMENSIONS ARE FROM EDGE OF CARPET PAD.
DCRS MUST BE ORIENTED AS SHOWN

2 APPLE MOBILITY PAD DEVICE DIMENSIONS
3/4" = 1'-0"

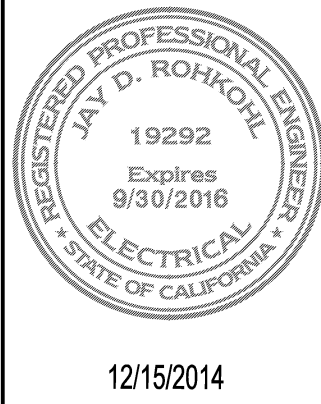


San Bernardino, CA
888 Harriman Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014

REV	DATE
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ENLARGED
APPLE MOBILITY
PAD
E1.2



DUNHAM
Dunham Associates & Minnesota, Inc.
4200 West 10th Street, Suite 1100
Minneapolis, Minnesota 55422-1840
Phone: (612) 485-7550 Fax: (612) 485-7551
mechanical + electrical consulting engineering

PROJECT#:	415752-040
SQ. FT. CALCS	
RETAIL:	47,958 SF
OFFICES:	1,790 SF
STORAGE/REMAINING:	7,635 SF
INSTALL:	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

OWNER

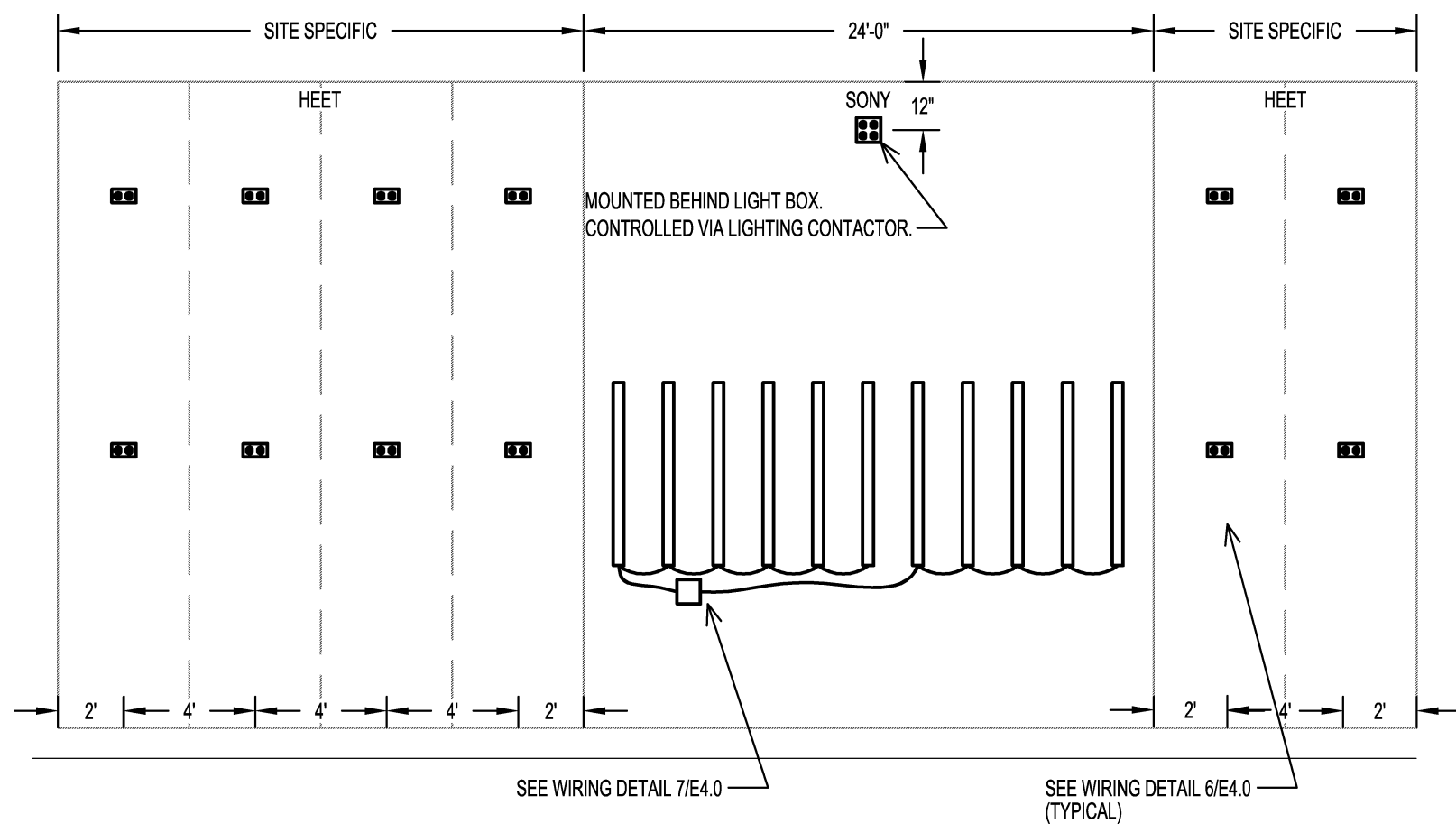
LOCATION

REVISIONS

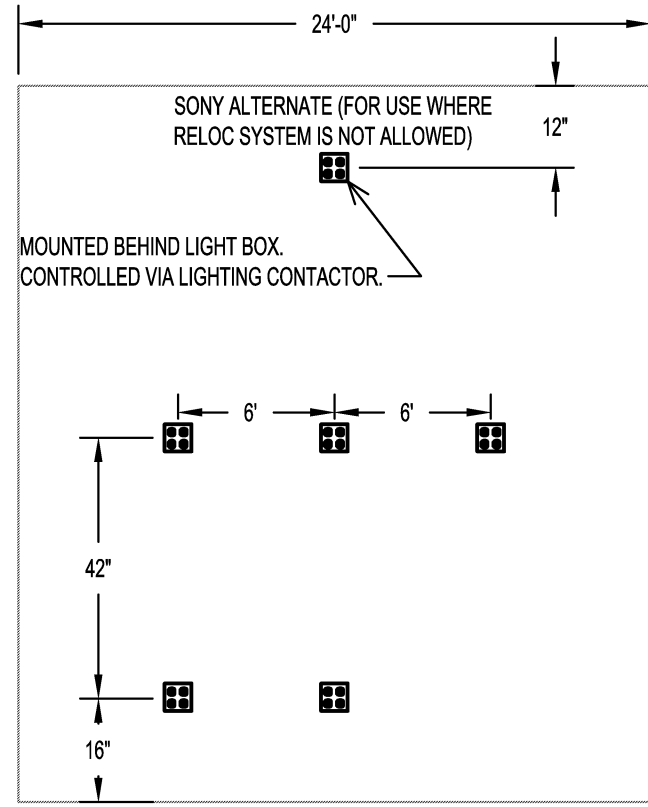
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ARCHITECT

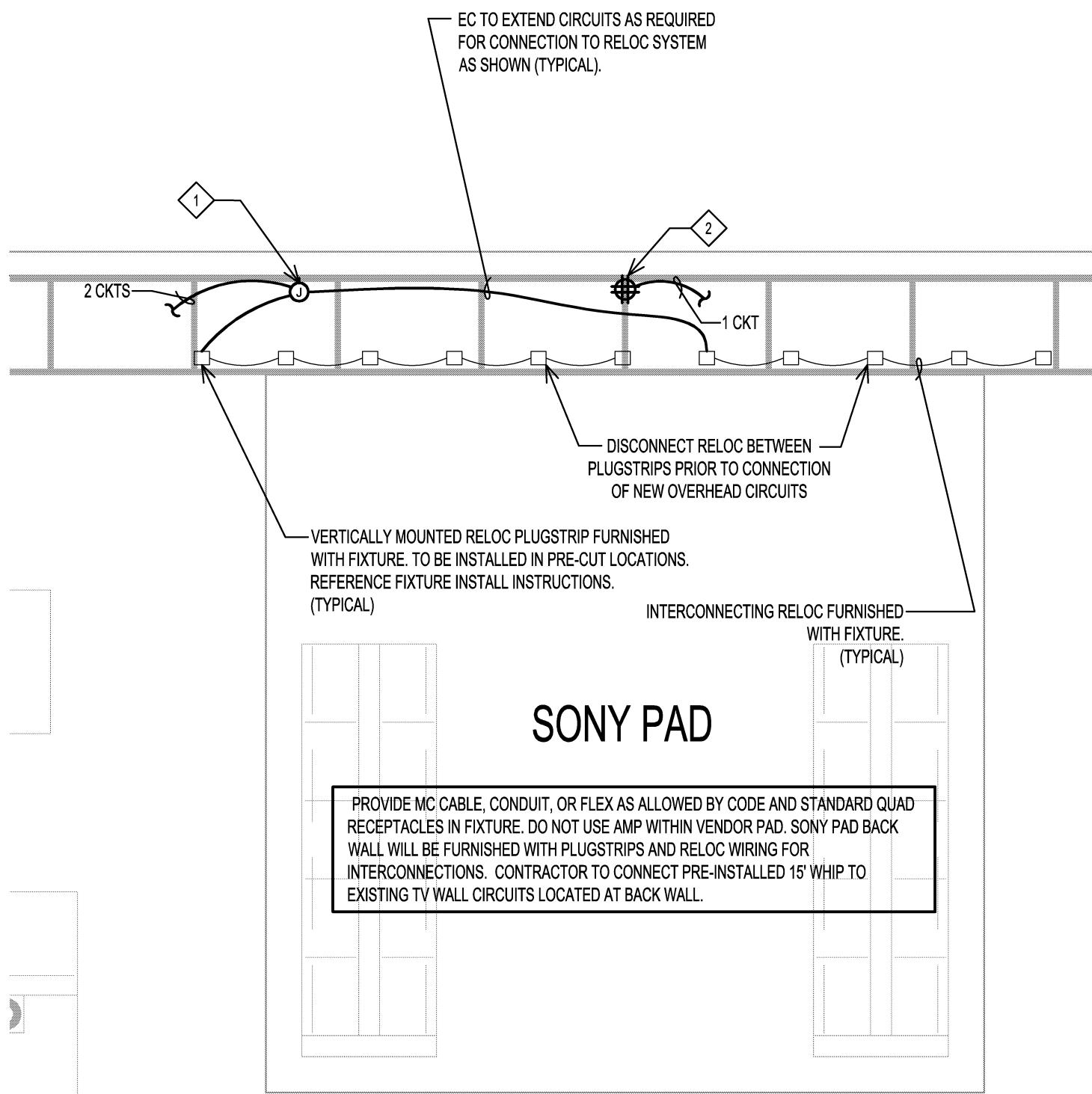
SEAL



1 HEET WALL
NOT TO SCALE



2 SONY ALTERNATE
NOT TO SCALE



3 ENLARGED VENDOR PAD
NOT TO SCALE

GENERAL NOTES

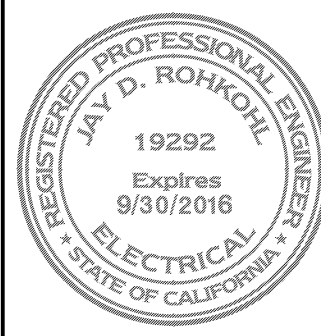
- CONDUITS, RACEWAYS, ELECTRICAL DUCTS & BOXES AND EXPOSED LOW VOLTAGE WIRE SHALL BE RUN TRUE, PLUMB AND SQUARE TO THE BUILDING AND TIGHTLY WRAPPED OR FASTENED TO STRUCTURE. LOW VOLTAGE RUNS OR EXPOSED WIRE MUST BE HIDDEN FROM VIEW AND TIE WRAPPED TO THE STRUCTURE WITH WHITE WRAPS. TIE WRAPS MUST BE 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 PROCEEDING.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE RATINGS OF NEW OR RELOCATED LIGHTS, SIGNS, COMPACTORS, RTUS, 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.
- 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.
- IF PRE-MANUFACTURED WIRING SYSTEMS (MC CABLE, AMPNENERGY, RELOC SYSTEMS) ARE NOT ALLOWED BY AUTHORITY HAVING JURISDICTION PROVIDE EMT CONDUIT AND FLEX AS ALLOWED BY CODE. TURN OVER ANY UNUSED AMPNENERGY PRODUCTS TO BEST BUY.
- IF STORE UTILIZES EXISTING TRENCH POWER PROVIDE NEW OVERHEAD CIRCUITS TO FIXTURES IN HOME THEATER TRANSFORMATION AREA. DO NOT RE-USE TRENCH SYSTEM.
- IF FIXTURE EXTENSIONS ARE NOT AVAILABLE, EC TO PROVIDE EMT DROPS TO FIXTURE. PROVIDE 3/4" EMT FOR POWER AND 1" EMT WITH PULLSTRINGS AND NYLON BUSHINGS FOR LOW VOLTAGE AT EACH DROP LOCATION.
- REFERENCE HOME THEATER MASTER STORE LIST ON PROJECTMATES. FOR SCOPE QUESTIONS ASK BBY CPM.
- MARK J-BOXES AT DECK IF FOUND TO BE CONTROLLED BY EMS SYSTEM FOR FUTURE REFERENCE.

POWER PLAN KEYED NOTES

- 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.

NOTE

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



12/15/2014



PROJECT#: 415752-040

SQ. FT. CALCS

RETAIL: 47,958 SF

OFFICES: 1,790 SF

STORAGE/REMAINING: 7,635 SF

INSTALL: 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

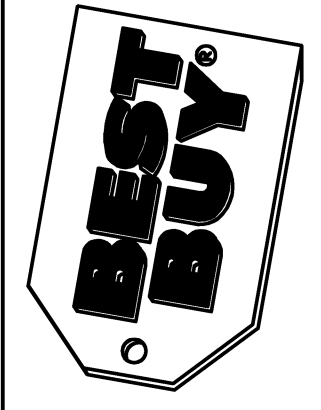
XX.XX.10

PROTOTYPE DATE:

02/12/2014

STORE NUMBER:

0150



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

PERMIT SET
12/12/2014

REV	DATE
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ENLARGED POWER
PLAN
E1.3

ARCHITECT

SEAL

CONSULTANT

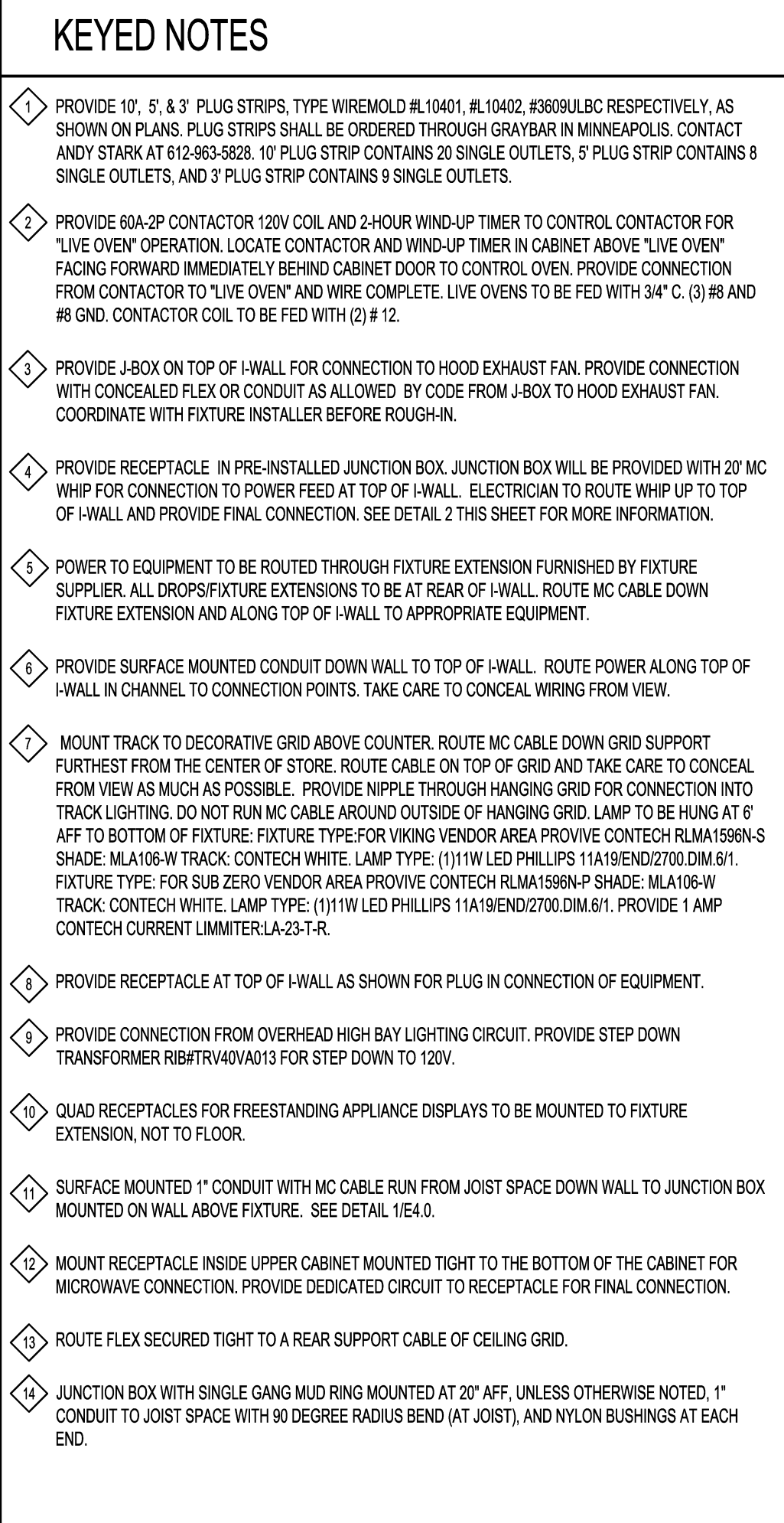
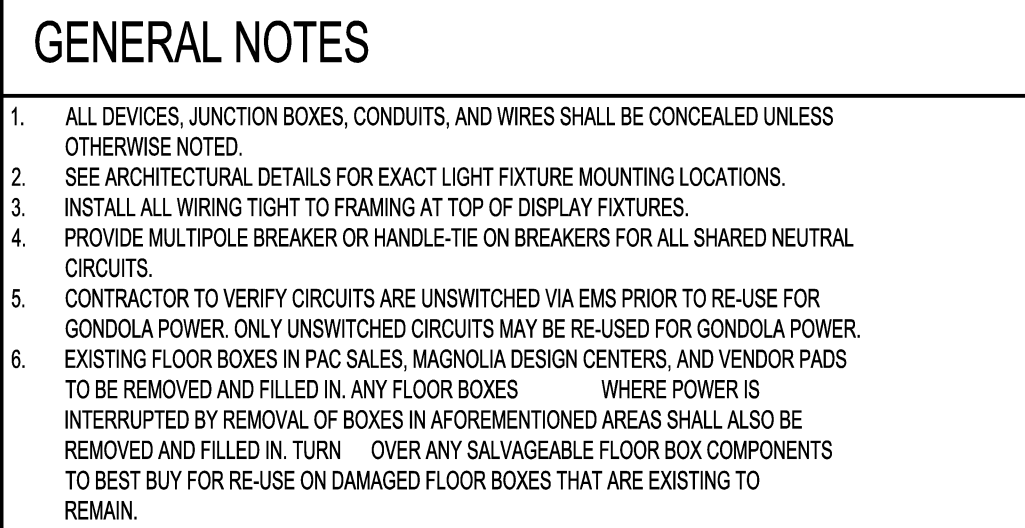
OWNER

LOCATION

DATE

REVISIONS

SHEET



NOTE TO CONTRACTOR

AMP/INERGY FLEXIBLE WIRING SYSTEM MAY NOT BE USED IN PAC SALES AREA.

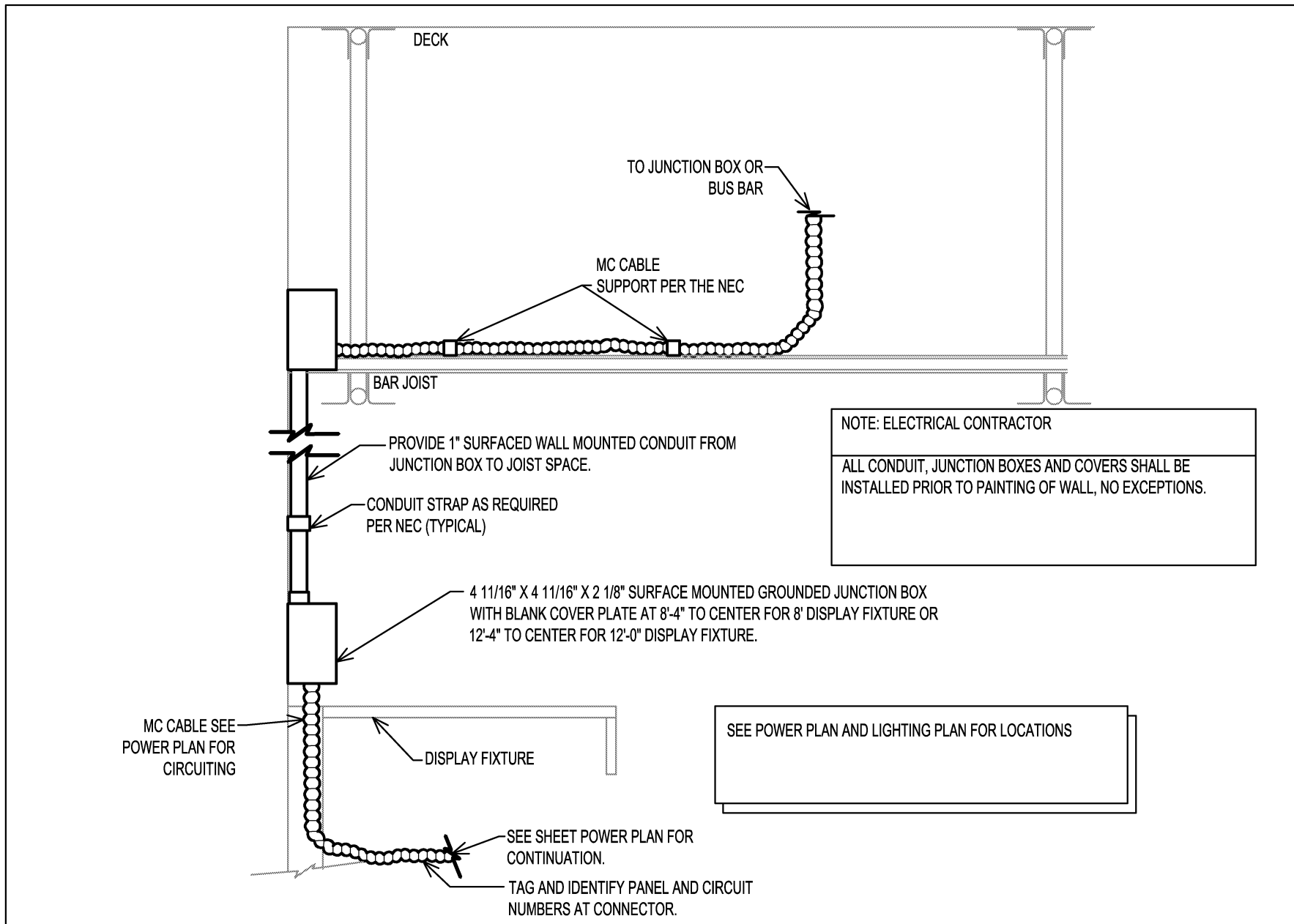
Panel: MSB Voltage: 277/480v, 3Ph, 4w									
Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA	Description	Amp /pole	No.	Ph	No.
					EXISTING AC-1	400	1	-A-	2
						3	5	-B-	4
					EXISTING AC-2	400	7	-A-	8
						9	9	-B-	10
						3	11	-C-	12
					EXISTING DP	400	13	-A-	14
						15	15	-B-	16
						3	17	-C-	18
						18000	49440	10980	200
						15150	55400	3000	2000
						13720	53050	11880	1720
						18000	49440	10980	200
						15150	55400	3000	2000
						13720	53050	11880	1720
						-A-	-B-	-C-	Total
						78.6	75.6	80.4	234.6
						Connected KVA Totals			
						Lighting - Code L			189.7
						Convenience Receptacles (180 W) - Code C			84.0
						Receptacles (Non Convenience) - Code R			25.9
						Motors - Code M			3.9
						Electric Heat - Code E			0.0
						Total KVA			303.4
						Spare KVA			234.6
						Adjusted KVA (Demand + Spare KVA)			303
						Adjusted Amps (Demand + Spare KVA)			365
						Project Number:			415752-040
						Project Name:			BEST BUY-SAN BERNARDINO, CA
						File Name:			PANEL MSB
						Date:			12/15/2014

Panel: HA					Voltage: 277/480v, 3Ph, 4w												
Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA	Description	Amp /pole	No.	Ph	No.	Description	Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA		
1870					SALES LIGHTING	201	1	-A-	2	SALES LIGHTING	2						
2005					SALES LIGHTING	201	3	-B-	4	SALES LIGHTING	1496						
2005					SALES LIGHTING	201	5	-C-	6	SALES LIGHTING	1870						
2005					SALES LIGHTING	201	7	-A-	8	SALES LIGHTING	235						
2805					SPARE	201	9	-B-	10	SPARE							
					SPARE	201	11	-C-	12	SPARE							
					SPARE	201	13	-A-	14	SPARE							
					SPARE	201	15	-B-	16	SPARE							
					SPARE	201	17	-C-	18	SPARE							
					SPARE	201	19	-A-	20	SPARE							
					SALES LIGHTING	201	21	-B-	22	201	EXIST. EXTERIOR LIGHTING	1800					
					SALES LIGHTING	201	23	-C-	24	201	EXIST. EXTERIOR LIGHTING	1800					
					EXIST. OFFICE LIGHTING	201	25	-A-	26	201							
					EXIST. OFFICE LIGHTING	201	27	-B-	28	201	SPARE						
1800					SPARE	201	29	-C-	30	201	EXIST. TRAINING RM. LIGHTING	1800					
					SPARE	201	31	-A-	32	201	SPARE						
					SPARE	201	33	-B-	34	201	SPARE						
					SPARE	201	35	-C-	36	201	SPARE						
					SPARE	201	37	-A-	38	201	SPARE						
					SPARE	201	39	-B-	40	201	SPARE						
					SPARE	201	41	-C-	42	201	SPARE						
					SPARE	201	43	-A-	44	201	SPARE						
					SPARE	201	45	-B-	46	201	SPARE						
					SPARE	201	47	-C-	48	201	SPARE						
11880	0	0	0	0	-	-	-	-	-	NONE							
10706	0	0	0	0	MLO	Breaker	-	-	Feed Lug	NONE							
0	0	0	0	0	-	-	-	-	Conn	NONE							
											Bus KVA loads				Dmd	Conn	
											Lighting - Code L				38.4	30.7	
											Convenience Receptacles (180 W) - Code C				0.0	0.0	
											Receptacles (Non Convenience) - Code R				0.0	0.0	
											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						
											Adjusted KVA (Demand + Spare KVA)				38		
											Adjusted (Demand + Spare KVA)				46		
Panelboard Notes:																	
1. E-C TO BALANCE EACH PHASE WITHIN 10%																	
Ø 125% Largest Motor																	
4.																	
5.																	
EXISTING : Mounting																	
EXISTING : Amps ALC Rating																	
225 : Amp Rating of Bus																	
200 : Panel Amp Rating (Min Main)																	
480 : Phase to Phase Voltage																	
Project Number: 416752-040										Project Name : BEST BUY-SAN BERNARDINO, CA			File Name: PANEL HA			Date: 12/15/2014	

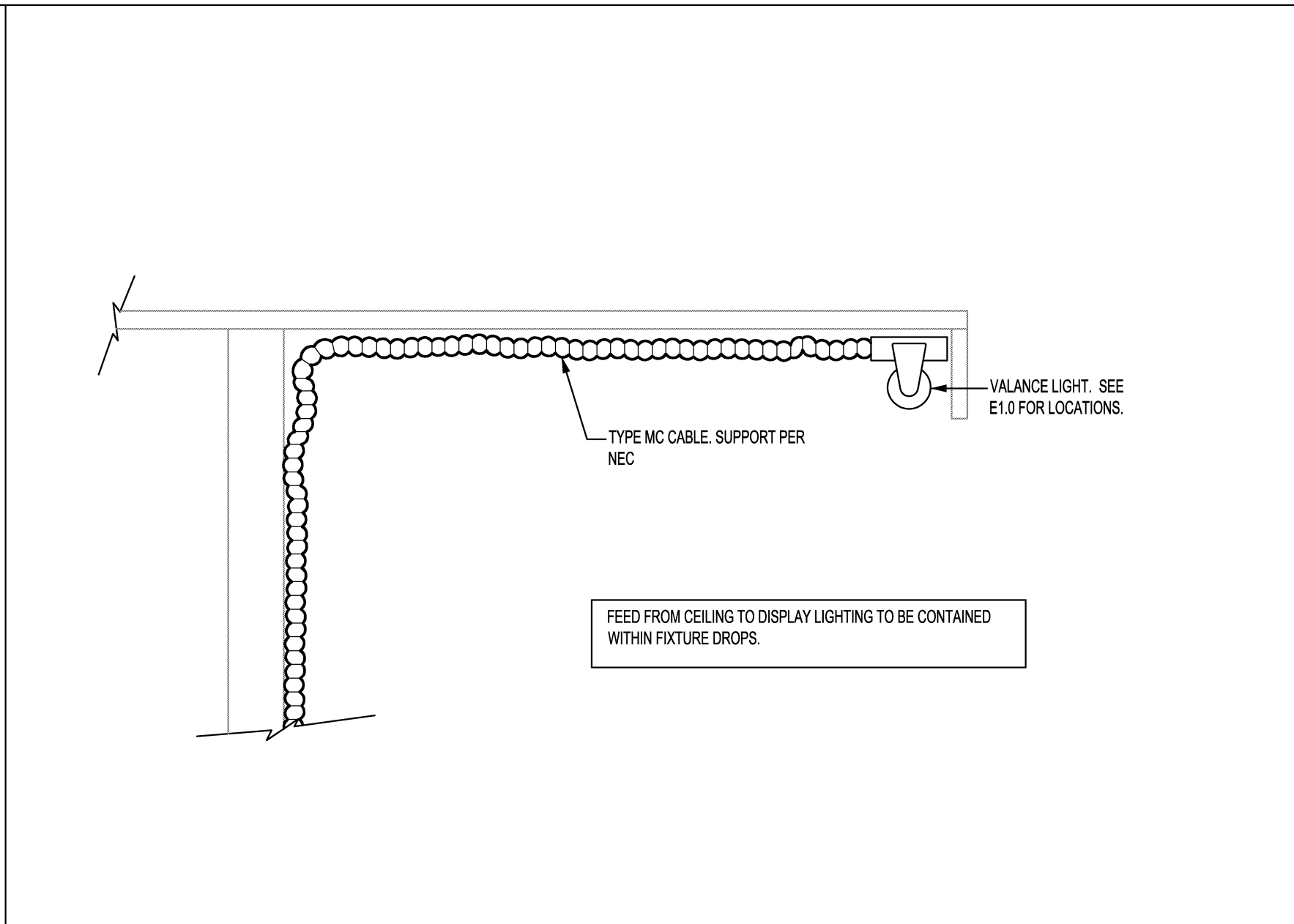
Panel: D1					Voltage: 120/208v, 3Ph, 4w											
Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA	Description	Amp /pole	No.	Ph	Amp /pole	Description	Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA	
	360				PAC EMPLOYEE STATION	20/1	1	-A-	2	I-WALL DISPLAY RECEPT						
	1080				I-WALL DISPLAY RECEPT	20/1	3	-B-	4	I-WALL DISPLAY RECEPT	1080					
	900				I-WALL DISPLAY RECEPT	20/1	5	-C-	6	I-WALL DISPLAY RECEPT	1080					
	1240				I-WALL DISPLAY RECEPT	20/1	7	-A-	8	APPLIANCE DISPLAY RECEPT	720					
	180				I-WALL DISPLAY RECEPT	20/1	9	-B-	10	APPLIANCE DISPLAY RECEPT	720					
	3840				LIVE OVEN	50/	11	-C-	12	APPLIANCE DISPLAY RECEPT	720					
	3840				"	2	13	-A-	14	APPLIANCE DISPLAY RECEPT	720					
	500				HOOD DISPLAY	20/1	15	-B-	16	APPLIANCE DISPLAY RECEPT	720					
	500				HOOD DISPLAY	20/1	17	-C-	18	APPLIANCE DISPLAY RECEPT	720					
720					PAC CUSTOMER SERVICE	20/1	19	-A-	20	APPLIANCE DISPLAY RECEPT	720					
1080					PAC CUSTOMER SERVICE	20/1	21	-B-	22	APPLIANCE DISPLAY RECEPT	720					
	3840				LIVE OVEN	50/	23	-C-	24	APPLIANCE DISPLAY RECEPT	1080					
	3840				"	2	25	-A-	26	EXIST. DISPLAY RCPTS.	600					
	1080				I-WALL DISPLAY RECEPT	20/1	27	-B-	28	EXIST. DISPLAY RCPTS.	600					
	1260				I-WALL DISPLAY RECEPT	20/1	29	-C-	30	EXIST. DISPLAY RCPTS.	600					
	360				APPLIANCE DISPLAY RECEPT	20/1	31	-A-	32	EXIST. DISPLAY RCPTS.	600					
	600				EXIST. DISPLAY RCPTS.	20/1	33	-B-	34	EXIST. DISPLAY RCPTS.	600					
	600				EXIST. DISPLAY RCPTS.	20/1	35	-C-	36	EXISTING VAV-3 & VAV-4			400			
2160	9600	0	0	0	EXISTING PANEL "D2"	150	37	-A-	38	SPARE						
720	11040	0	0	0	"	/	39	-B-	40	SPARE						
720	9600	0	720	0	"	3	41	-C-	42	SPARE						
2160	16720	7680	0	0		200		-A-	Through	NONE						
720	19500	900	0	0		Breaker	/	-B-	Feed Lug	NONE						
720	16560	8580	720	0		Main	/	-C-	Conn	NONE						
-A-	-B-	-C-	Total								Bus KVA loads		Dmd	Conn		
26.6	20.7	26.6	73.9	Connected KVA Totals							Lighting - Code L		4.5	3.6		
Panelboard Notes:											Convenience Receptacles (180 W) - Code C		31.4	52.8		
1 - E.C. TO BALANCE EACH PHASE WITHIN 10%											Receptacles (Non Convenience) - Code R		16.8	16.8		
2 -											0 125% Largest Motor		Motors - Code M		0.7	0.7
3 -													Electric Heat - Code E		0.0	0.0
4 -													Total KVA		53.4	73.9
5 -											Spare = 0%		Spare KVA		0	
EXISTING	: Mounting										Adjusted KVA (Demand + Spare KVA)		53			
EXISTING	: Amps AIC Rating										Adjusted Amps (Demand + Spare KVA)		148			
225	: Amp Rating of Bus															
200	: Panel Amp Rating (Min Main)										Project Number:	Project Name :	File Name:		Date:	
208	: Phase to Phase Voltage										415752-040	BEST BUY-SAN BERNARDINO, CA	PANEL D1		12/15/2014	

Panel: D2					Voltage: 120/208v, 3Ph, 4w											
Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA	Description	Amp /pole	No.	Ph	No.	Amp /pole	Description	Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA
					EXIST. DISPLAY RCPTS.	20/1	1	-A-	2	20/1	EXIST. DISPLAY RCPTS.	1000				
					EXIST. DISPLAY RCPTS.	20/1	3	-B-	4	20/1	EXIST. DISPLAY RCPTS.	1000				
					EXIST. DISPLAY RCPTS.	20/1	5	-C-	6	20/1	EXIST. DISPLAY RCPTS.	1000				
					EXIST. DISPLAY RCPTS.	20/1	7	-A-	8	20/1	EXIST. DISPLAY RCPTS.	1000				
					EXIST. DISPLAY RCPTS.	20/1	9	-B-	10	20/1	EXIST. DISPLAY RCPTS.	1000				
					EXIST. DISPLAY RCPTS.	20/1	11	-C-	12	20/1	EXIST. DISPLAY RCPTS.	1000				
					EXIST. DISPLAY RCPTS.	20/1	13	-A-	14	20/1	EXIST. DISPLAY RCPTS.	720				
					EXIST. DISPLAY RCPTS.	20/1	15	-B-	16	20/1	EXIST. DISPLAY RCPTS.	720				
					EXIST. DISPLAY RCPTS.	20/1	17	-C-	18	20/1	EXIST. DISPLAY RCPTS.	720				
					EXIST. DISPLAY RCPTS.	20/1	19	-A-	20	20/1	EXIST. DISPLAY LTG.	720				
					EXIST. DISPLAY RCPTS.	20/1	21	-B-	22	20/1	EXIST. DISPLAY LTG.	720				
					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		Main		-A-	Through	NONE						
720	11040	0	0	0	MLO	Breaker		-B-	Feed Lug	NONE						
720	9600	0	720	0				-C-	Conn	NONE						
-A-	-B-	-C-	Total								Bus KVA loads			Dmd	Conn	
11.8	11.8	11.0	34.6	Connected KVA Totals							Lighting - Code L	4.5		3.6		
Panelboard Notes:																
1 - E.C. TO BALANCE EACH PHASE WITHIN 10%											Convenience Receptacles (180 W) - Code C					
2 -											Receptacles (Non Convenience) - Code R					
3 -											Motors - Code M					
5 -											Electric Heat - Code E					
4 -											Total KVA					
5 -											Spare = 0% Spare KVA					
EXISTING : Mounting											Adjusted KVA (Demand + Spare KVA)					
EXISTING : Amps AIC Rating											Adjusted Amps (Demand + Spare KVA)					
225 : Amp Rating of Bus																
150 : Panel Amp Rating (Min Main)											Project Number: Project Name : File Name: Date:					
208 : Phase to Phase Voltage											415752-040 BEST BUY-SAN BERNARDINO, CA PANEL D2 12/15/2014					

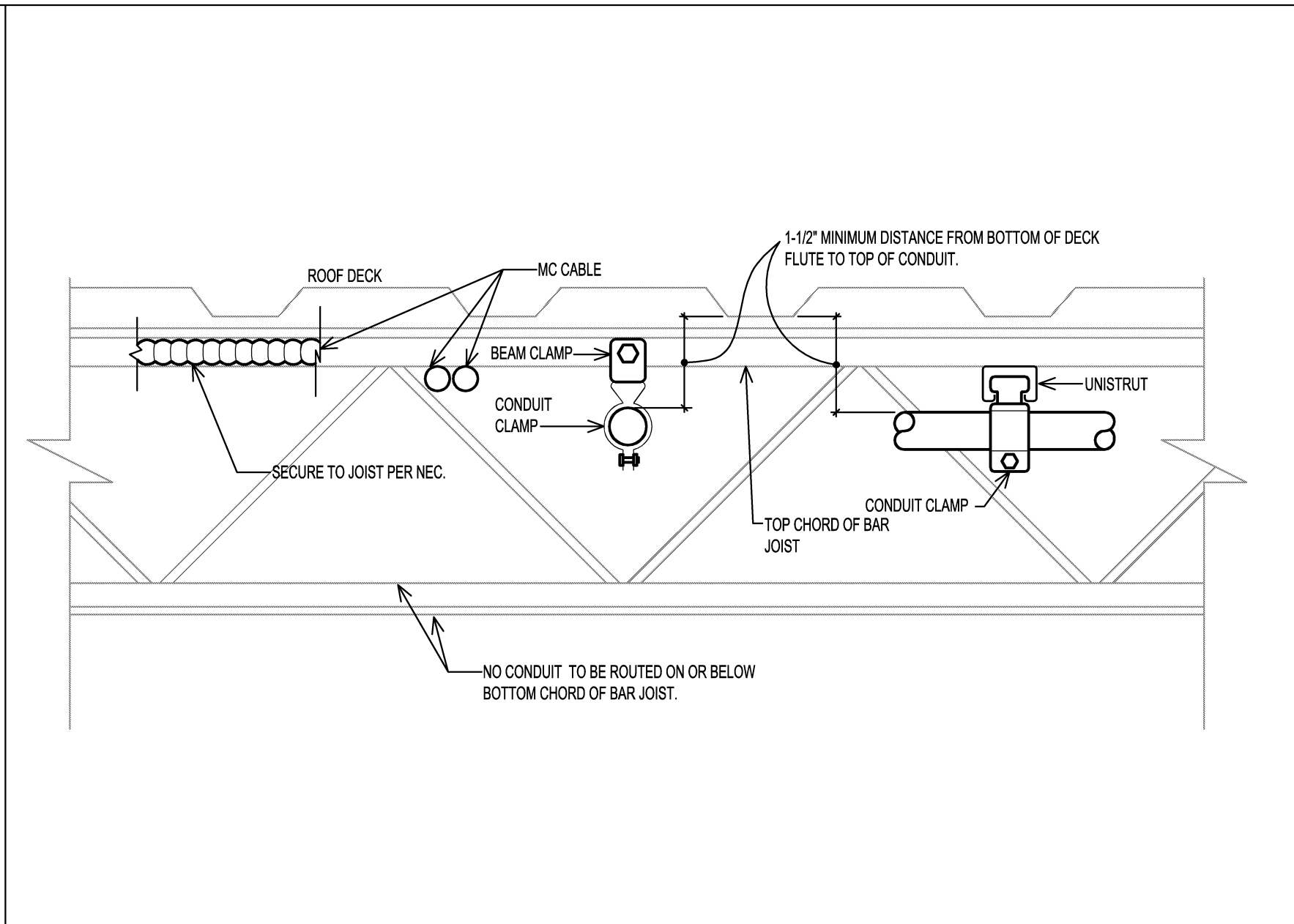
Panel: E1					Voltage: 120/208v, 3Ph, 4w														
Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA	Description	Amp /pole	No.	Ph	N/A	Amp /pole	Description	Code L-VA	Code C-VA	Code R-VA	Code M-VA	Code E-VA			
1200					EXIST. CORNICE LIGHTING	20/1	1	-A-	2	20/1	EXIST. FLEX SIGN	1200							
1200					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 COMPRESSOR				1000				
			1000													1000			
1200	2160	3300	200	0	EXISTING PANEL "E2"	150	37	-A-	38	20/1	EXIST. CORNICE LIGHTING	640							
1200	1240	2500	1000	0	"	/	39	-B-	40	20/1	R.R PENDANTS	30							
1200	1760	3300	0	0	"	3	41	-C-	42	20/1	SPARE								
14640	2160	3300	200	0		200		-A-	Through		NONE								
13830	1240	2500	2000	0		1		-B-	Feed Lug		NONE								
12400	1760	3300	1000	0		3		-C-	Conn		NONE								
-A-	-B-	-C-	Total									Bus KVA loads			Dmd	Conn			
20.3	19.6	18.5	58.3	Connected KVA Totals								Lighting - Code L			91.1	40.9			
Panelboard Notes:																			
1 -	E.C. TO BALANCE EACH PHASE WITHIN 10%																		
2 -	Convenience Receptacles (180 W) - Code C																		
3 -	Receptacles (Non Convenience) - Code M																		
4 -	Motors - Code R																		
5 -	Electric Heat - Code E																		
6 -	Total KVA																		
															68.6	58.3			
												Spare =	0%	Spare KVA	0				
EXISTING					Mounting							Adjusted KVA (Demand + Spare KVA)			69				
EXISTING					Amps A/C Rating							Adjusted Amps (Demand + Spare KVA)			191				
225	Amp Rating of Bus																		
200	Panel Amp Rating (Min Main)																		
208	Phase to Phase Voltage																		
Project Number:										Project Name :									
415752-040										BEST BUY-SAN BERNARDINO, CA									
												File Name:		Panel E1			Date: 12/15/2014		



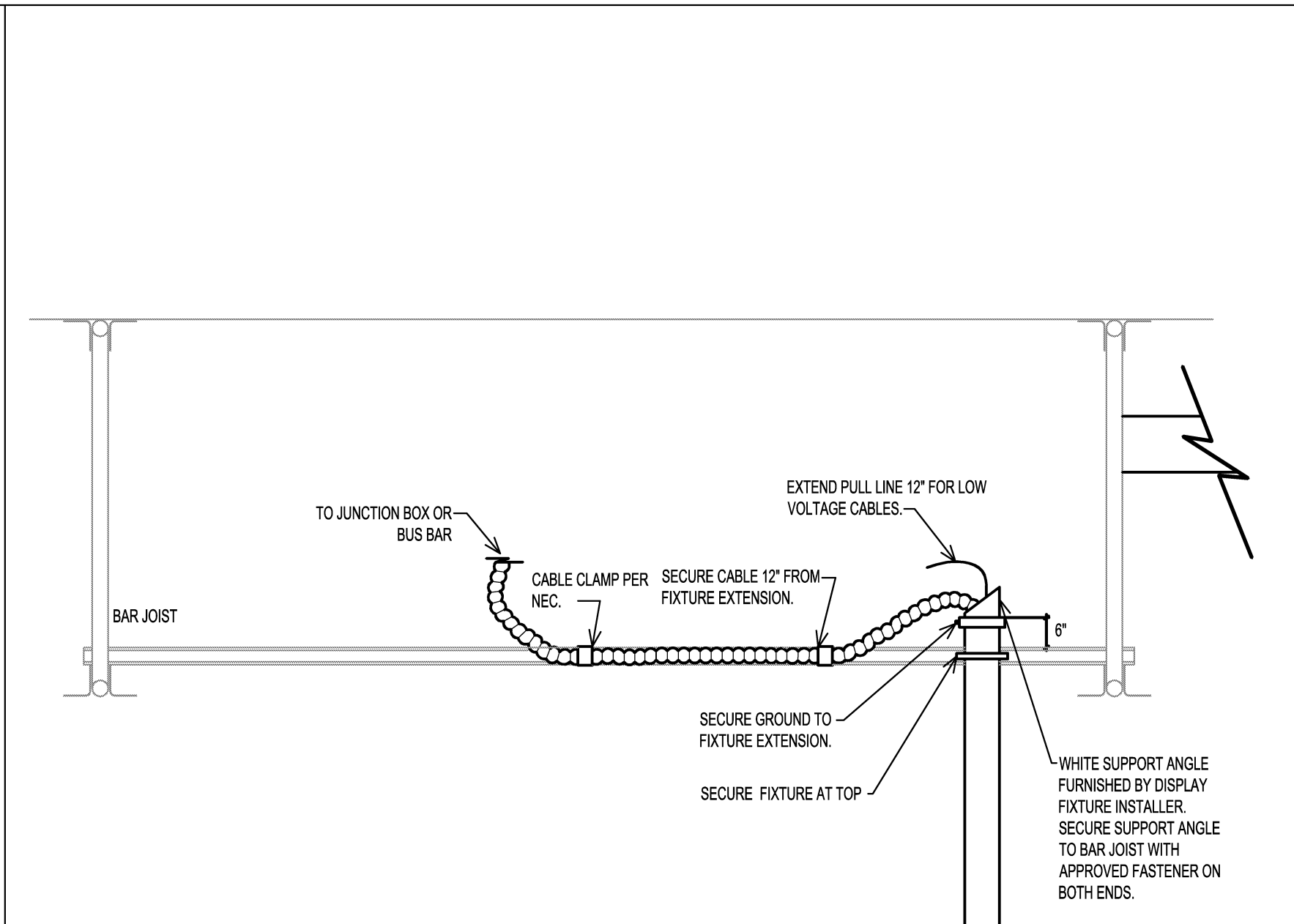
1 WALL POWER DROP DETAIL
SCALE: N.T.S.



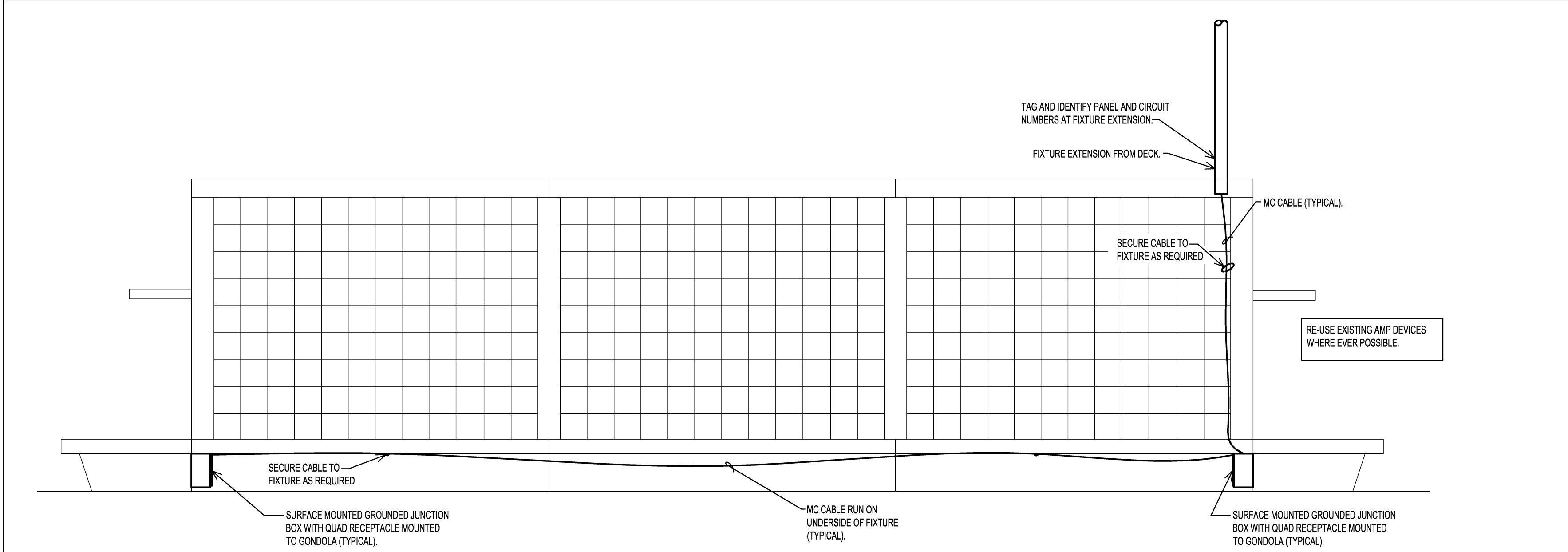
2 VALANCE LIGHTING DETAIL
SCALE: N.T.S.



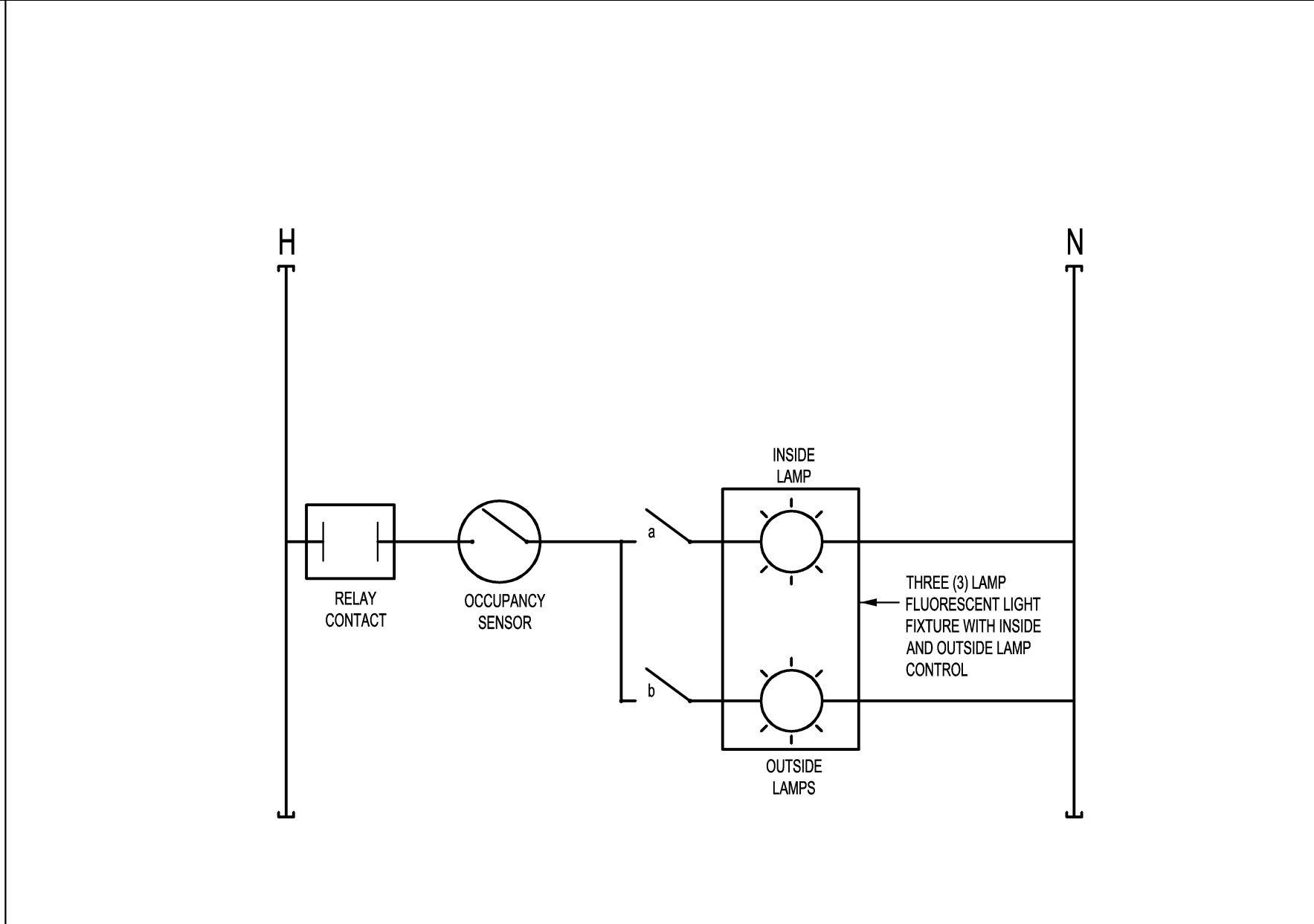
3 CONDUIT ROUTING DETAIL
SCALE: N.T.S.



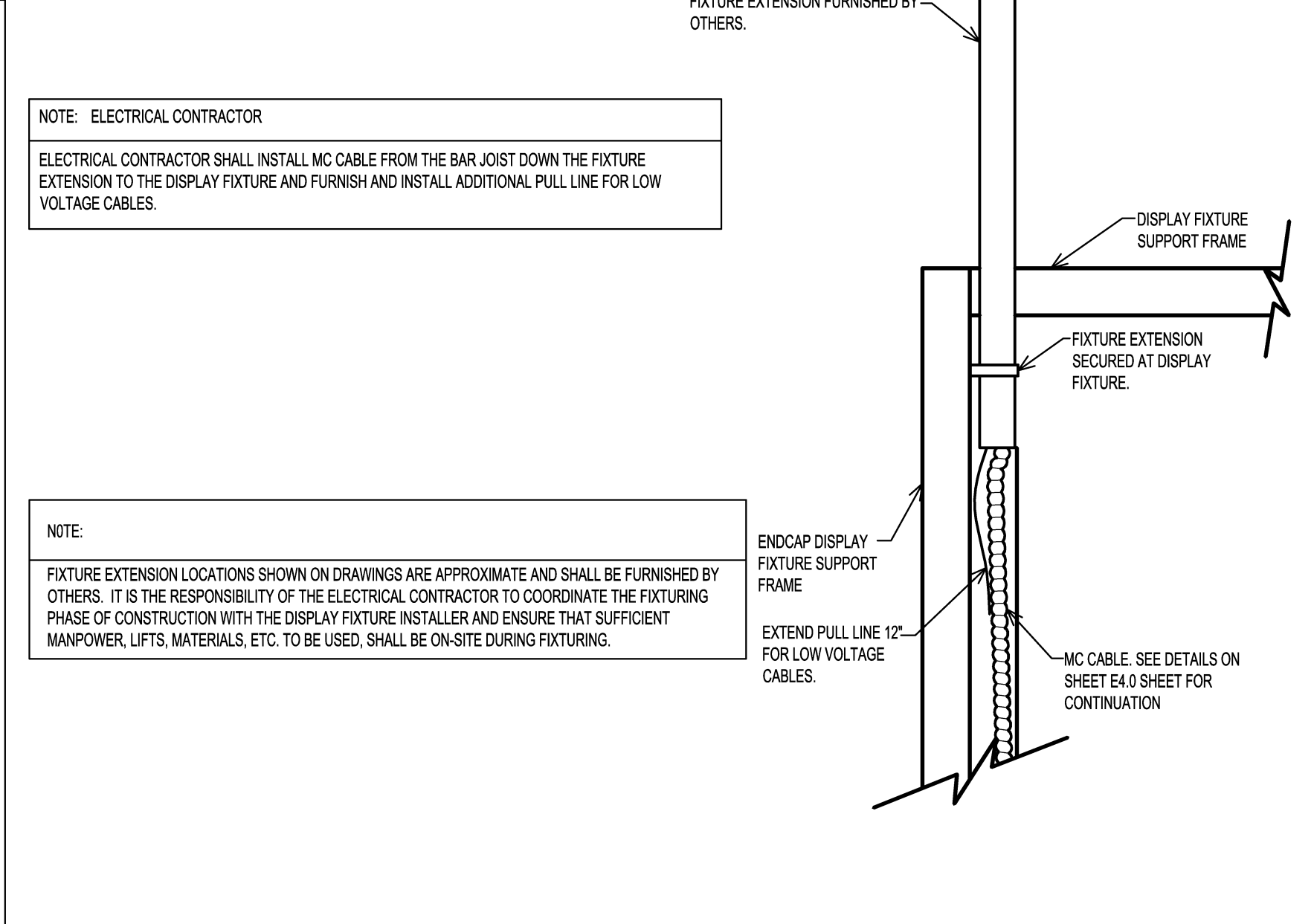
4 FIXTURE EXTENSION DETAIL
SCALE: N.T.S.



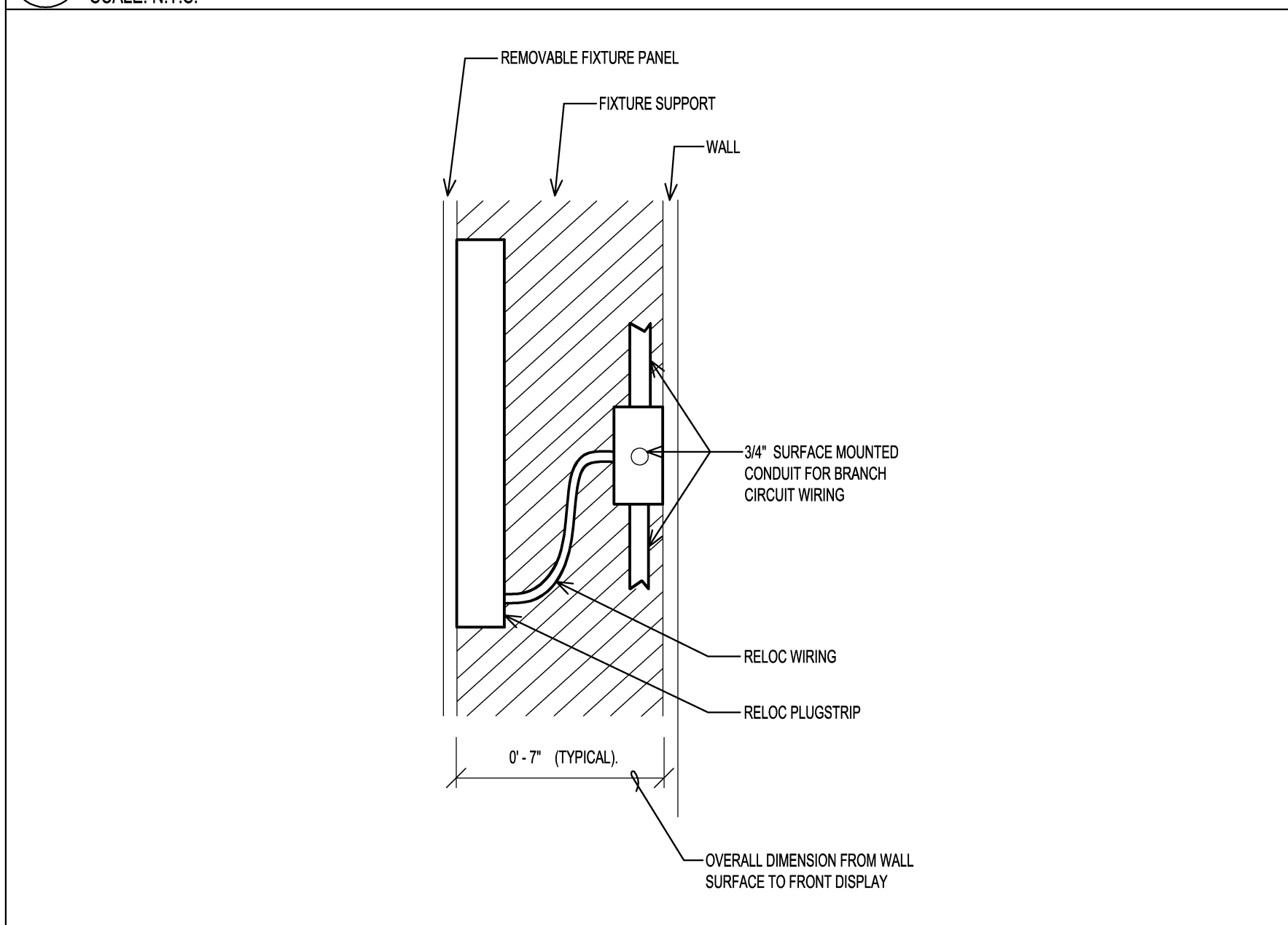
5 DEVICE MOUNTING IN LOW BAY GONDOLAS
SCALE: N.T.S.



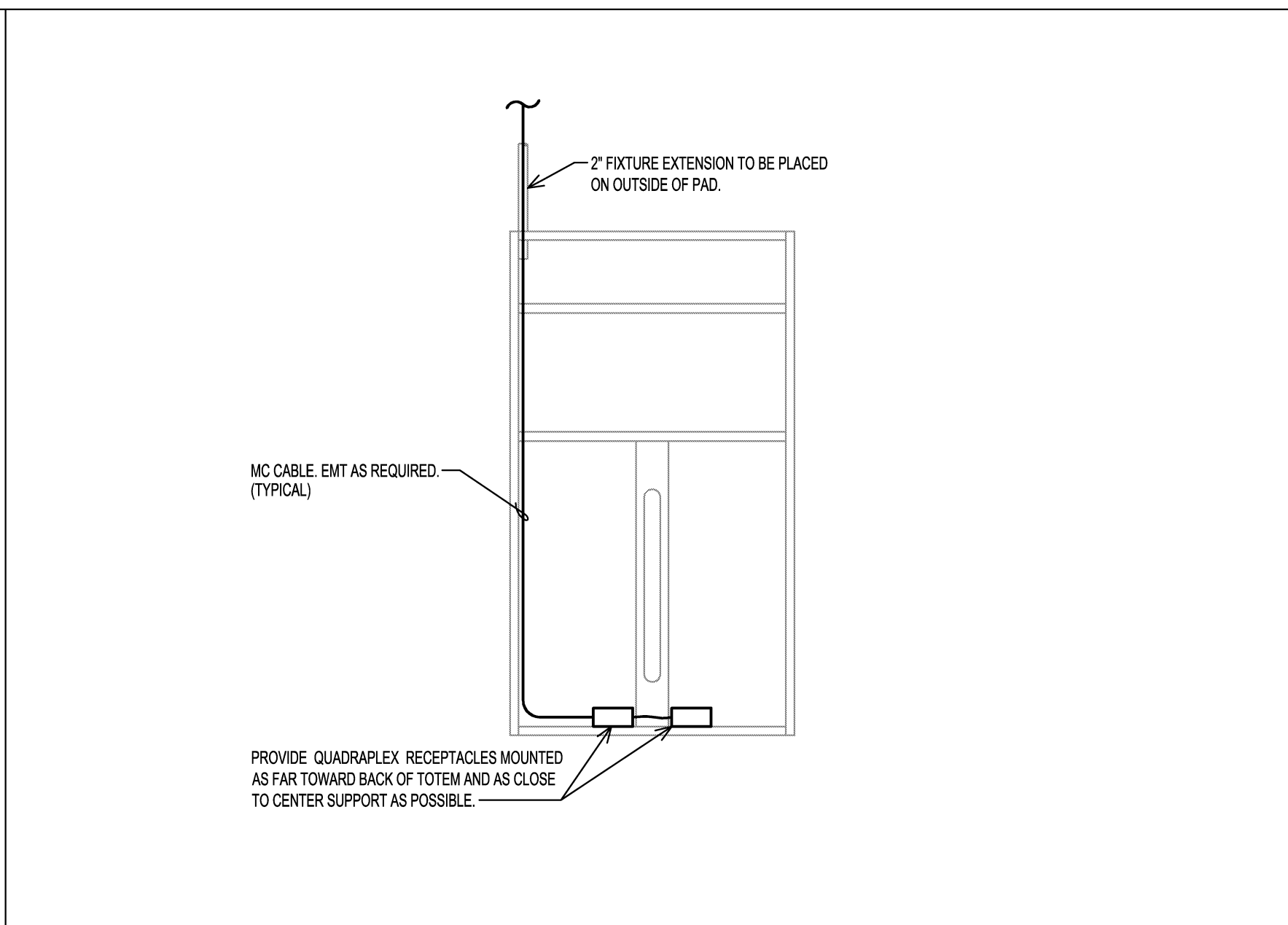
8 OCCUPANCY SENSOR/DUAL SWITCHING DIAGRAM
SCALE: N.T.S.



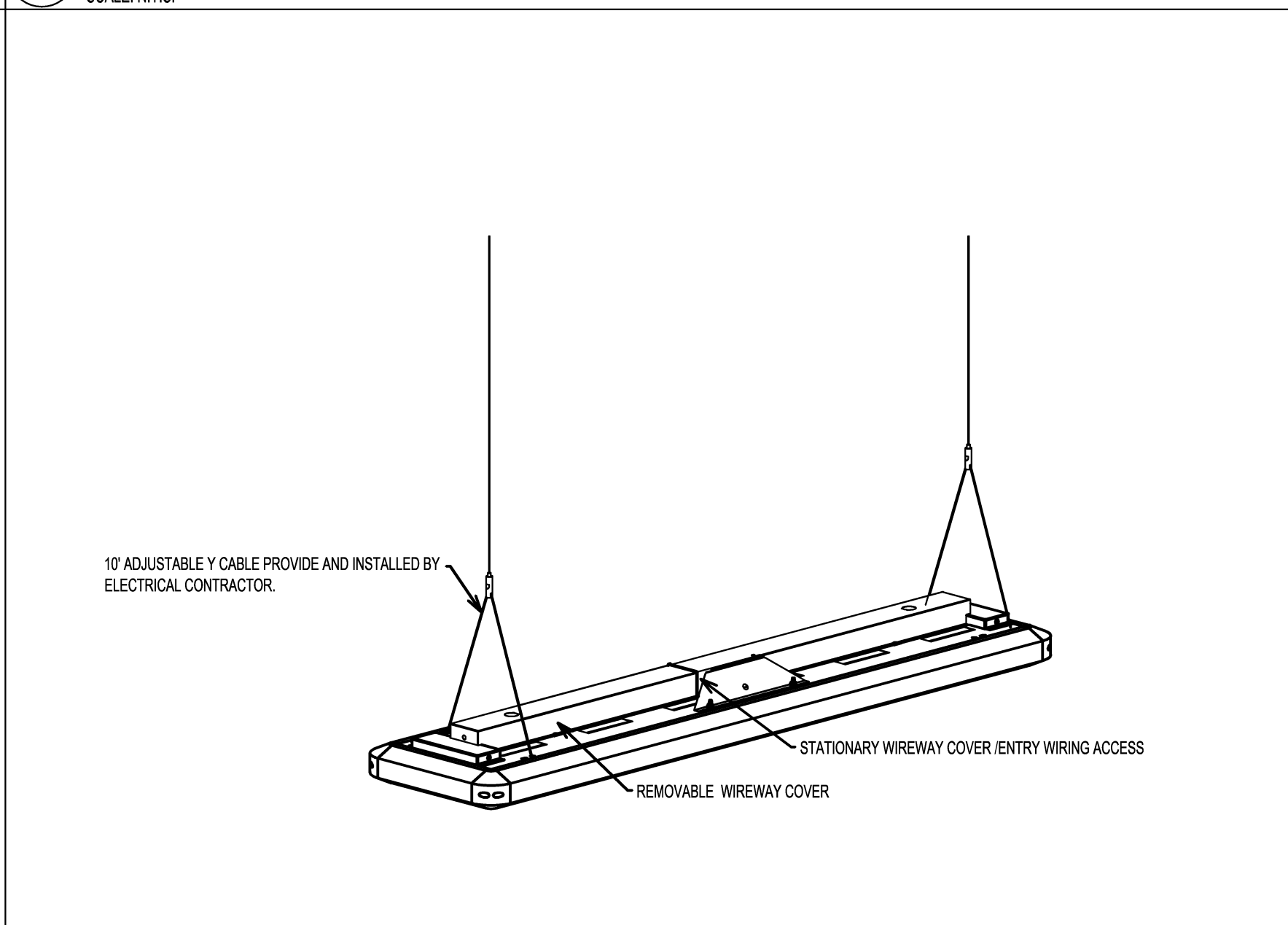
4 FIXTURE EXTENSION DETAIL
SCALE: N.T.S.



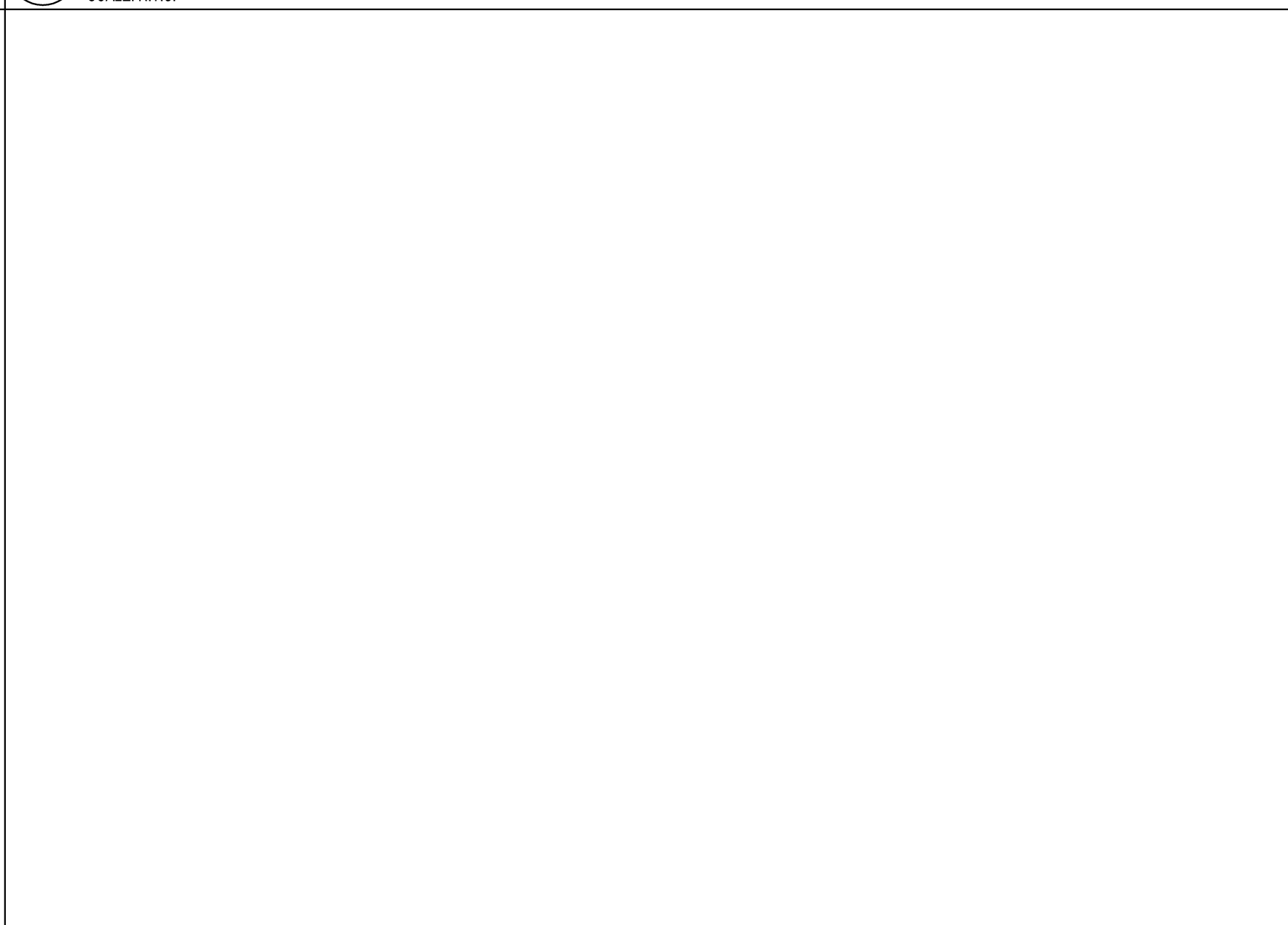
6 SONY RELOC WIRING DETAIL
SCALE: N.T.S.



7 SONY VENDOR PAD DETAIL
SCALE: N.T.S.



9 HIGH BAY MOUNTING DETAIL
SCALE: N.T.S.



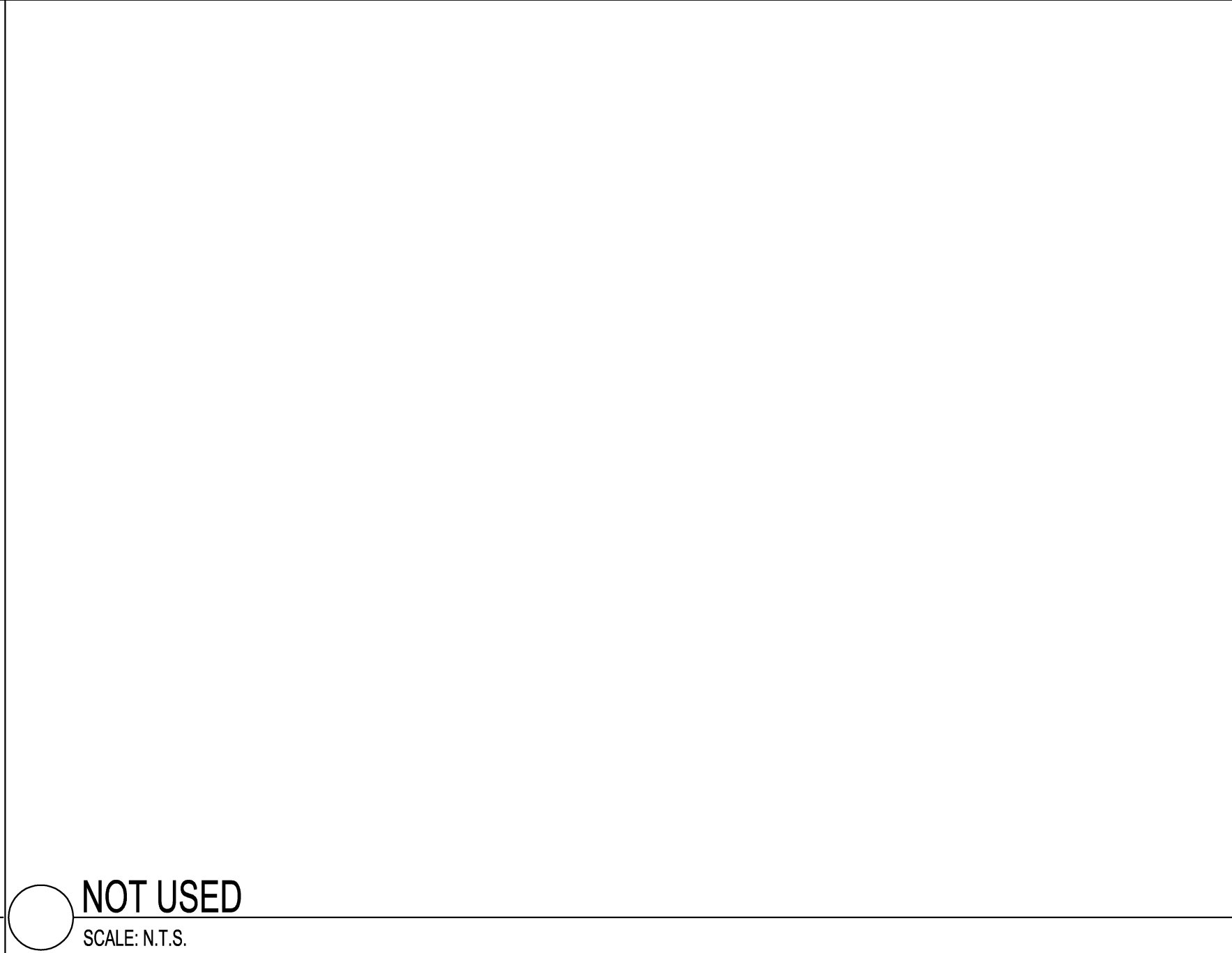
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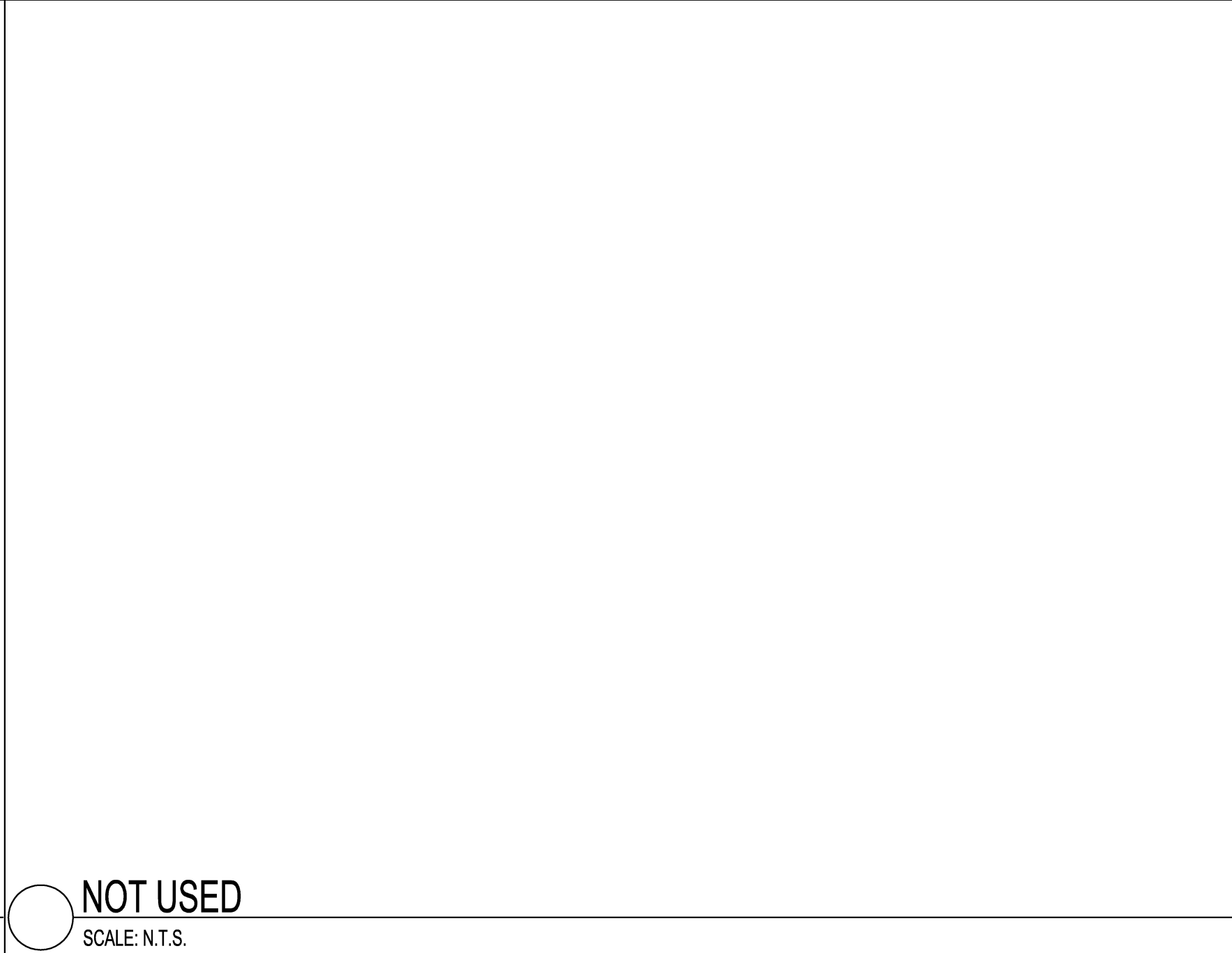
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SCALE: N.T.S.



NOT USED
SCALE: N.T.S.



NOT USED
SCALE: N.T.S.



NOT USED
SCALE: N.T.S.

JAY D. ROMKOLA

19292

Expire

8/30/2016

ELECTRICAL

STATE OF CALIFORNIA

12/15/2014

DUNHAM

Dunham Associates & Associates, Inc.
4500 Ash Street Suite 1100
Minneapolis, Minnesota 55425-1840
Phone: 612.485.7550
Fax: 612.485.7551
mechanical + electrical consulting engineering

PROJECT#: 415752-040
SQ. FT. CALCS
RETAIL: 47,958 SF
OFFICES: 1,790 SF
STORAGE/REMANUFACTURING: 7,635 SF
INSTALL: 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

BEST BUY

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

PERMIT SET
12/12/2014

REV	DATE
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ELECTRICAL
DETAILS
E4.0

ARCHITECT
SEAL
CONSULTANT
OWNER
LOCATION
DATE
REVISIONS
SHEET

STATE OF CALIFORNIA
INDOOR LIGHTING
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Indoor Lighting - Lighting Controls
Project Name: Best Buy Date Prepared: 12/5/2014

Climate Zone: 10
Conditioned Floor Area: 46,797
Unconditioned Floor Area: 0
General Information
Building Type: Nonresidential
Phase of Construction: New Construction
Method of Compliance: Complete Building

Summary of Allowed Lighting Power
Conditioned and Unconditioned space lighting must not be combined for compliance
Indoor Lighting Power for Conditioned Spaces
Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
INDOOR LIGHTING
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Indoor Lighting - Lighting Controls
Project Name: Best Buy Date Prepared: 12/5/2014

5. Complies ONLY if installed < Allowed
6. Allowed Lighting Power
Conditioned NRCC-LTI-03-E, page 1 44,399
Unconditioned NRCC-LTI-03-E, page 1 0

Declaration of Required Installation Certificates - Declare by selecting yes for all Installation Certificates that will be submitted.
YES NO Form/Title
X NRCC-LTI-01-E - Must be submitted for all buildings
X NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.
X NRCC-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.
X NRCC-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.
X NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.
X NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

Declaration of Required Certificates of Acceptance - Declare by checking all of the Certificates of Acceptance that will be submitted.
YES NO Form/Title
X NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.
X NRCA-LTI-03-A - Must be submitted for automatic daylight controls.
X NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
INDOOR LIGHTING
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Indoor Lighting - Lighting Controls
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. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
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 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 different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.
Office Portable Luminaire Schedule
Office Installed Portable Luminaire Watts Per Square Foot
Accountable Watts
Office Location
Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
INDOOR LIGHTING
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Indoor Lighting - Lighting Controls
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. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
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 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 different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.
Office Portable Luminaire Schedule
Office Installed Portable Luminaire Watts Per Square Foot
Accountable Watts
Office Location
Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
INDOOR LIGHTING
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Indoor Lighting - Lighting Controls
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

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
Luminaire Schedule
Installed Watts
Location
Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
INDOOR LIGHTING
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS
Indoor Lighting - Lighting Controls
Project Name: Best Buy Date Prepared: 12/5/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I, DUSTIN KHATKOWSKI, certify that this Certificate of Compliance documentation is accurate and complete.
Company: Dunham Associates of Minnesota, Inc.
Address: 50 S. 6TH STREET
City/State/Zip: MINNEAPOLIS, MN 55402
Phone: 612 465-7670

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I, Jay Rohrkohl, certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. 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).
3. 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.
4. 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.
5. 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 Rohrkohl
Company: Dunham
Address: 50 S. Sixth Street
City/State/Zip: Minneapolis, MN 55402
Phone: 612465-7550

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
INDOOR LIGHTING - LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Indoor Lighting - Lighting Controls
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.)

YES NO Control Requirements
X 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 130.9.
X Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
X 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).
X A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
X All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
X All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(e).
X 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 amperes 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(g).
X The 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).
X All installed indoor lighting shall be equipped with controls that meet the applicable Shut-Off control requirements in Section 130.1(e).
X Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylight zones are shown on the plans.
X 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 accordance with Section 130.1(i).
X Before 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 normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-off controls, and demand responsive controls.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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

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

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST
Lighting Control Schedule
PAF Credit Calculation
Field Inspector

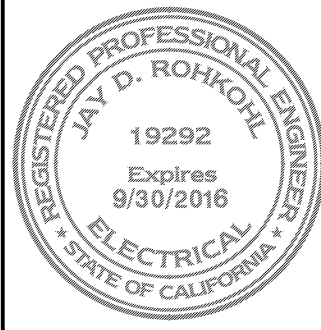
CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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

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

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST
Lighting Control Schedule
PAF Credit Calculation
Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014



12/5/2014



PROJECT#: 415752-040

SO. FT. CALCS

RETAIL: 47,958 SF

OFFICES: 1,790 SF

STORAGE/REMANUFACTURING: 7,635 SF

INSTALL: 1,148 SF

TOTAL: 58,531 SF

CONCEPT: 45K C3-2

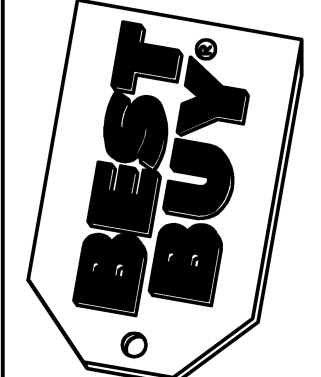
CONCEPT DATE: 04/21/2014

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 92408
888 Harriman Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014

REV	DATE
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T-24 FORMS

E5.0

STATE OF CALIFORNIA
LINE-VOLTAGE TRACK LIGHTING WORKSHEET
(PERMITS-BUILDING - Revised 06/14)

CALIFORNIA ENERGY COMMISSION

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

NRCC-LTI-05-E
(Page 1 of 2)

☐ 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

METHOD 1 - VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT(S)	
A	B
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					
A	B	C	D	E	F
Track or Name #	Linear Feet of Track	(W/LF)	B x C (W)	TOTAL RATED WATTAGE OF ALL LUMINAIRES	LARGER OF (D or E)
TRACK	8	45	360	22	360
		45			
		45			

☐ 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.

A	B	C	D	E	F
Track or Name #	Linear Feet of Track	(W/LF)	B x C (W)	VA Rating of Integral Current Limiter	Larger of (D or E)
		12.5			
		12.5			
		12.5			

☐ METHOD 4 - DEDICATED TRACK LIGHTING SUPPLEMENTARY 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.

A	B	C	D
Name or ID	Voltage of the Branch Circuit	Sum of the Ampere Rating of all Devices installed in the Panel	Wattage = Sum of the Ampere Ratings of all of the Devices Times The Branch Circuit Voltage (B x C)

STATE OF CALIFORNIA
LINE-VOLTAGE TRACK LIGHTING WORKSHEET
(PERMITS-BUILDING - Revised 06/14)

CALIFORNIA ENERGY COMMISSION

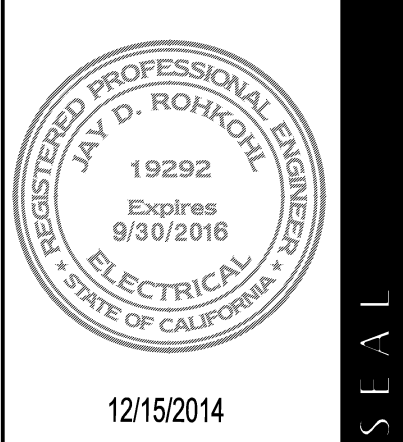
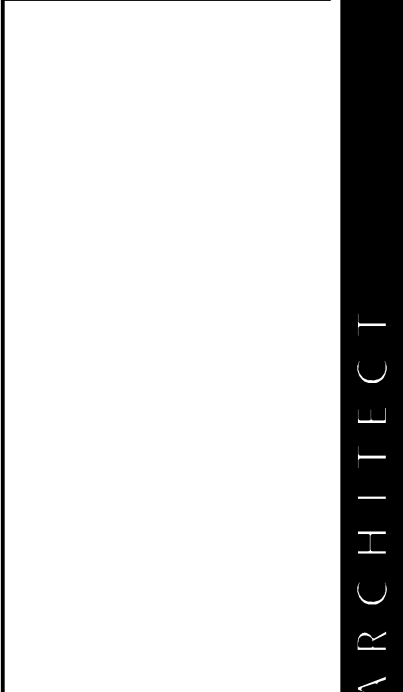
CERTIFICATE OF COMPLIANCE
Indoor Lighting - Line-Voltage Track Lighting Worksheet
Project Name: Best Buy
Date Prepared: 12/5/2014

NRCC-LTI-05-E
(Page 2 of 2)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: DUSTIN KWIATKOWSKI
Documentation Author Signature: *Dustin Kwiatkowski*
Company: Dunham Associates of Minnesota, Inc.
Address: 50 S. 6TH STREET
City/State/Zip: MINNEAPOLIS, MN 55402
Phone: 612 465-7670
Signature Date: 12/5/2014
CEA/HERI Certification Identification (if applicable):

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. 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).
3. 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.
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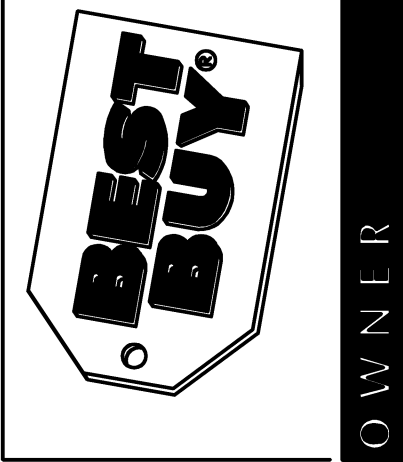
Responsible Designer Name: Jay Rohkohl
Responsible Designer Signature: *Jay Rohkohl*
Company: Dunham
Address: 50 S. Sixth Street
City/State/Zip: Minneapolis, MN 55402
Phone: 612 465-7550
Date Signed: 12/19/14
License: 19292



DUNHAM

Dunham Associates of Minnesota, Inc.
4500 Hennepin Avenue, Suite 1100
Minneapolis, Minnesota 55412-1440
Phone: 612.465.7550 Fax: 612.465.7551
mechanical • electrical consulting engineering

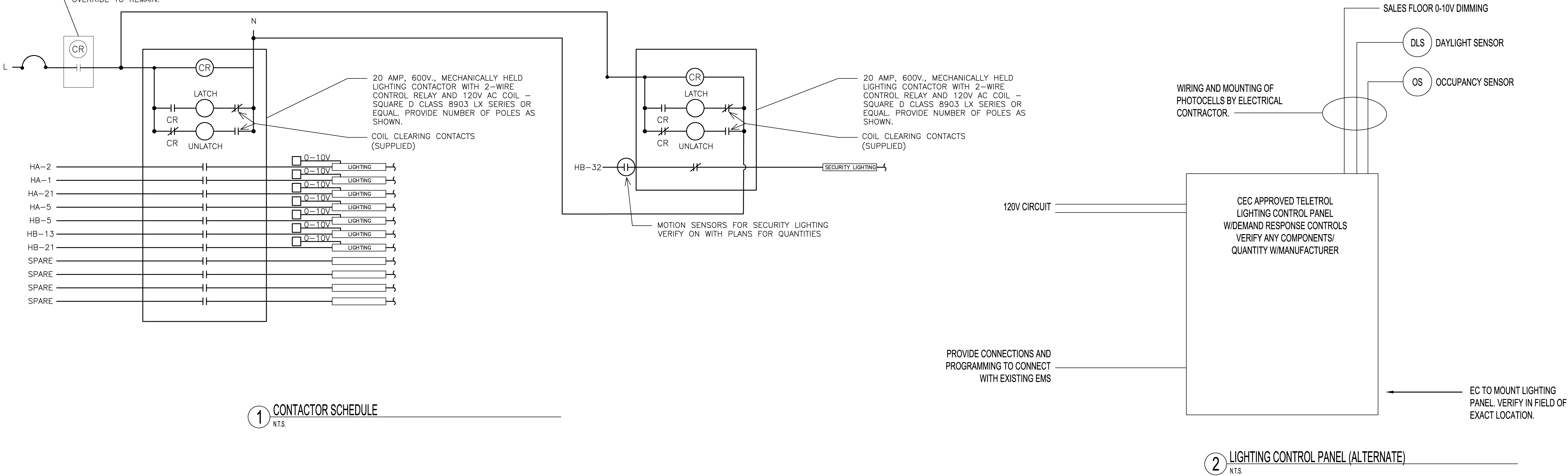
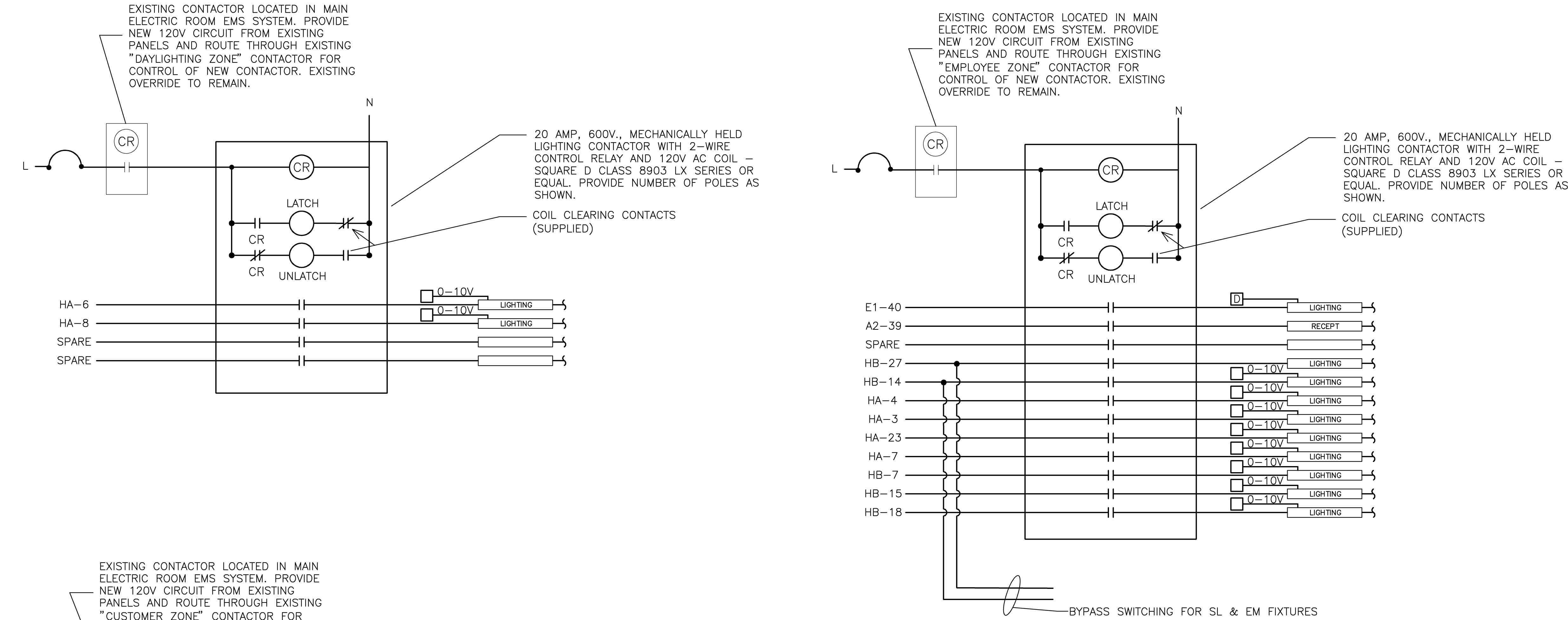
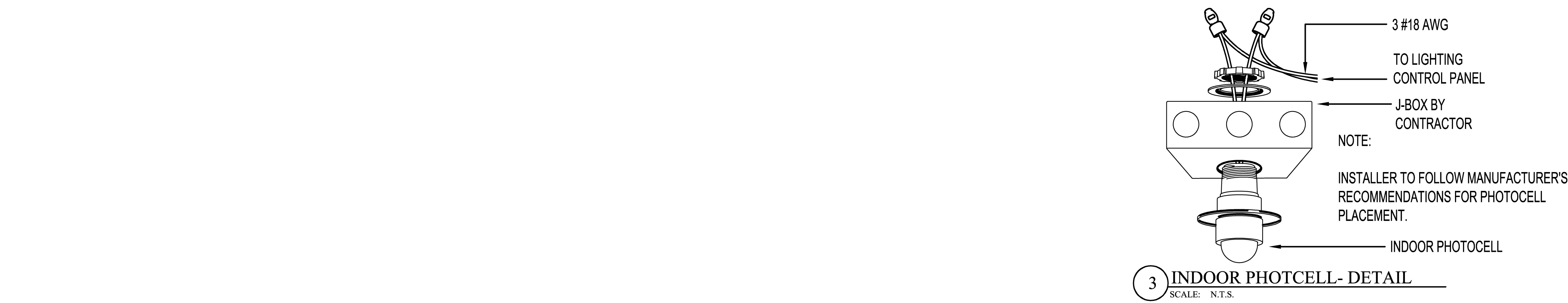
PROJECT#: 415752-040	
SQ. FT. CALCS	
RETAIL:	47,958 SF
OFFICES:	1,790 SF
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INSTALL:	1,148 SF
TOTAL:	58,531 SF
CONCEPT:	
45K C3-2	
CONCEPT DATE:	
04/21/2014	
G.O. -21 FIXTURE REL	
XX.XX.10	
G.O. -13 FINAL REL	
XX.XX.10	
PROTOTYPE DATE:	
02/12/2014	
STORE NUMBER:	
0150	



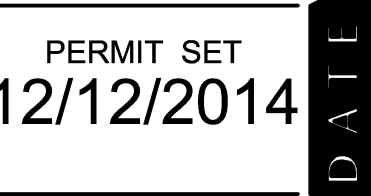
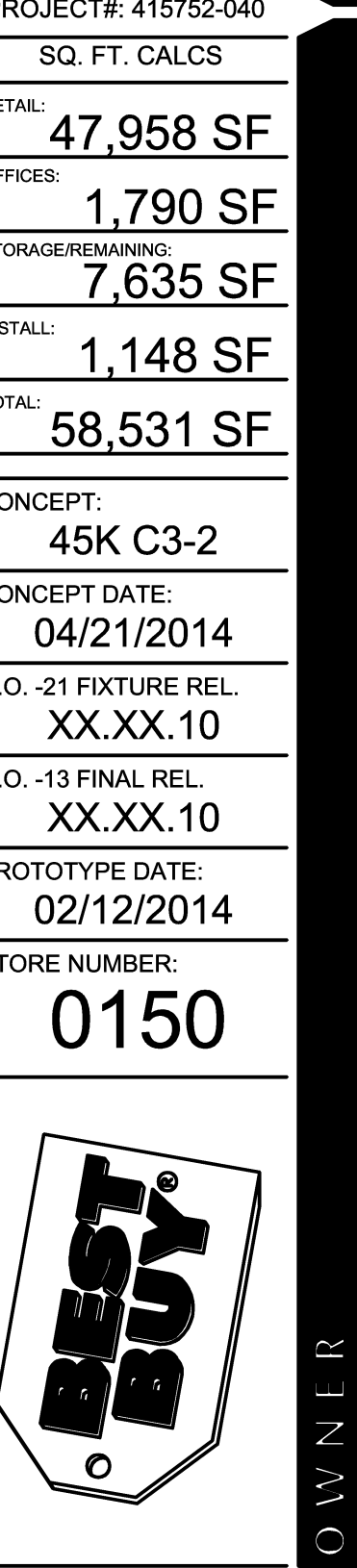
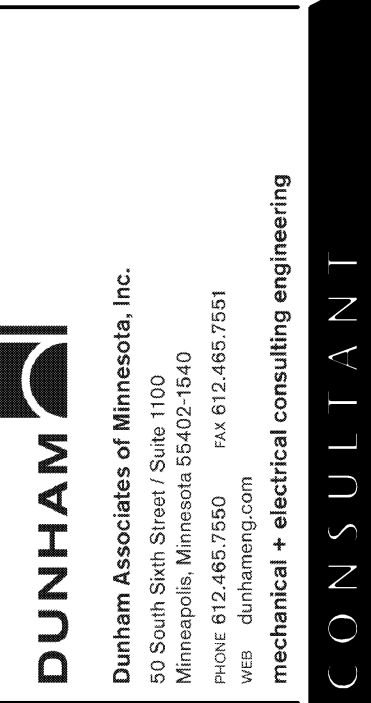
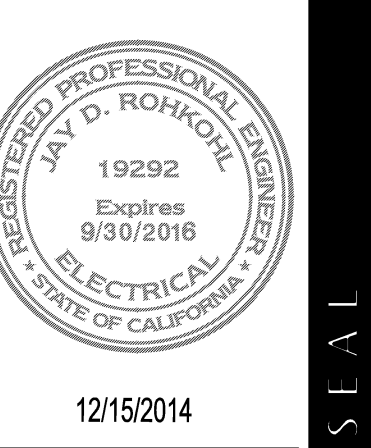
San Bernardino, CA
888 Harriman Pl.
San Bernardino, CA 92408

PERMIT SET
12/12/2014

REV	DATE
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1 CONTACTOR SCHEDULE
N.T.S.



REV	DATE
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