

WINDOW SCHEDULE					
MARK	MATERIAL	FINISH	WIDTH	HEIGHT	REMARKS
⊠	ALUM/GLASS	BRONZE ANODIZED	8'-0"	8'-0"	(2) STORE FRONT SYSTEM WITH TINTED SHEET INSULATION TEMPERED GLASS
⊠	ALUM/GLASS	BRONZE ANODIZED	5'-0"	8'-0"	(2) STORE FRONT SYSTEM WITH TINTED SHEET INSULATION TEMPERED GLASS
⊠	ALUM/GLASS	BRONZE ANODIZED	2'-6"	8'-0"	(2) STORE FRONT SYSTEM WITH TINTED SHEET INSULATION TEMPERED GLASS

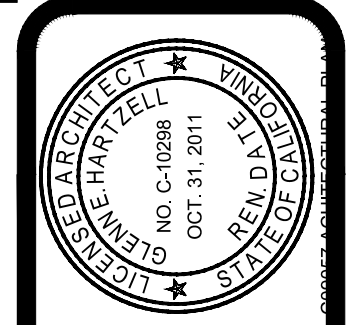
DOOR SCHEDULE						
MARK	MATERIAL	FINISH	WIDTH	HEIGHT	FRAME	REMARKS
01	ALUM/GLASS	BRONZE ANODIZED	PAIR 3'-0"	7'-0"		STORE FRONT
02	HOLLOW METAL	PAIN	3'-0"	7'-0"	METAL FRAME	EXTERIOR THRESHOLD
03	HOLLOW METAL	PAIN	3'-0"	7'-0"	METAL FRAME	EXTERIOR THRESHOLD
04	S.C. BIRCH	PAIN	3'-0"	7'-0"	"TIMELY" METAL FRAME	
05	S.C. BIRCH	PAIN	5'-0"	7'-0"	"TIMELY" METAL FRAME	
06	S.C. BIRCH	PAIN	4'-0"	7'-0"	"TIMELY" METAL FRAME	

ROOM FINISH SCHEDULE									
ROOM NUMBER	ROOM NAMES	FLOOR	BASE MATERIAL	HEIGHT	WALLS MATERIAL	FINISH	CEILING MATERIAL	FINISH	HEIGHT
* A-1	KITCHEN/REGISTERS	SHEET VINYL	SELF-COVED	4"	5/8" GYP. BD.	PAINT SEMI-GLOSS	T-BAR CEILING	VINYL - WASHABLE	10'-0"
A-2	STORE/DISPLAY	V.C.T.	RUBBER TOP SET	4"	5/8" GYP. BD.	PAINT SEMI-GLOSS	T-BAR CEILING	INTEGRAL	10'-0"
A-3	OFFICE	V.C.T.	RUBBER TOP SET	4"	5/8" GYP. BD.	PAINT SEMI-GLOSS	T-BAR CEILING	INTEGRAL	9'-0"
* A-4	RESTROOM	SHEET VINYL	SELF-COVED	6"	1/2" F.R.P.	PAINT SEMI-GLOSS	5/8" GYP. BD.	PAINT SEMI-GLOSS	9'-0"
* A-5	STORAGE ROOM	SHEET VINYL	SELF-COVED	6"	5/8" GYP. BD.	PAINT SEMI-GLOSS	5/8" GYP. BD.	PAINT SEMI-GLOSS	9'-0"
A-6	UTILITY ENCLOSURE	NONE	RUBBER TOP SET	4"	5/8" GYP. BD.	PAINT SEMI-GLOSS	5/8" GYP. BD.	PAINT SEMI-GLOSS	9'-0"

\* NOTE - THESE ROOMS TO HAVE SHEET VINYL w/CONTINUOUS 3/8" R COVE BASE UP WALL TO HEIGHT NOTED

DOOR HARDWARE SCHEDULE						
MARK	HINGES	LOCK SET	CLOSER	DOOR STOP	THRESHOLD	NOTES
A	PAIR - 4-1/2"x4-1/2" "BB1279 "HAGAR"	PANIC HARDWARE WITH CONCEALED ROD RIM DEVICE BY "ADAMS RITE" OR EQUAL FINISH TO MATCH STOREFRONT	#1460 BY LCN	FLOOR MOUNTED BY "QUALITY"	#2550 BY "PEMCO"	PROVIDE FLUSH BOLT -- #FB41P AUTOMATIC BY "GLYNN JOHNSON"
B	PAIR - 4-1/2"x4-1/2" "BB1279 "HAGAR"	PANIC HARDWARE WITH CONCEALED ROD RIM DEVICE BY "ADAMS RITE" OR EQUAL FINISH TO MATCH STOREFRONT	#1460 BY LCN	FLOOR MOUNTED BY "QUALITY"		
C	PAIR - 4-1/2"x4-1/2" "BB1279 "HAGAR"	STOREROOM LOCK #DBOPD BY "SCHLAGE"	#1460 BY LCN	FLOOR MOUNTED BY "QUALITY"		
D	PAIR - 4-1/2"x4-1/2" "BB1279 "HAGAR"	PRIVACY LOCK "D40S BY "SCHLAGE"	#1460 BY LCN	FLOOR MOUNTED BY "QUALITY"		

- DOOR NOTES:
- EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
  - PROVIDE A READILY VISIBLE, DURABLE SIGN ADJACENT TO EXIT DOORS STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN LETTERS NOT LESS THAN 1" HIGH ON A CONTRASTING BACKGROUND. THE LOCKING DEVICE SHALL BE A TYPE THAT IS READILY DISTINGUISHABLE AS LOCKED.
  - MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8-1/2 lbs FOR EXTERIOR DOORS AND 5 lbs FOR INTERIOR DOORS. SUCH PULL OR PUSH FORCE BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND CENTER PLANE OF SLIDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOORS MAY BE USED TO MEET REQUIREMENTS. FIRE RATED DOORS MAY BE INCREASED TO 15 lbs.
  - ON DOORWAYS LEADING TO MENS SANITARY FACILITIES, PROVIDE A 1/2" THICK EQUILATERAL TRIANGLE WITH EDGES 12" LONG AND THE VERTEX POINTING UPWARD. PROVIDE A 1/2" THICK, 12" DIAMETER CIRCLE ON WOMENS FACILITY DOORWAYS. THE SYMBOLS ARE TO BE CENTERED 60" HIGH ABOVE THE FINISH FLOOR AND ARE TO BE DISTINCTLY DIFFERENT IN COLOR AND CONTRAST. IN ADDITION, INSTALL AN ADJACENT WALL MOUNTED SIGN WITH RAISED LETTER AND BRAILLE AT +60" PER CITY STANDARDS.
  - DOORS NOTED AS "REQUIRED EXIT" SHALL BE DESIGNATED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.



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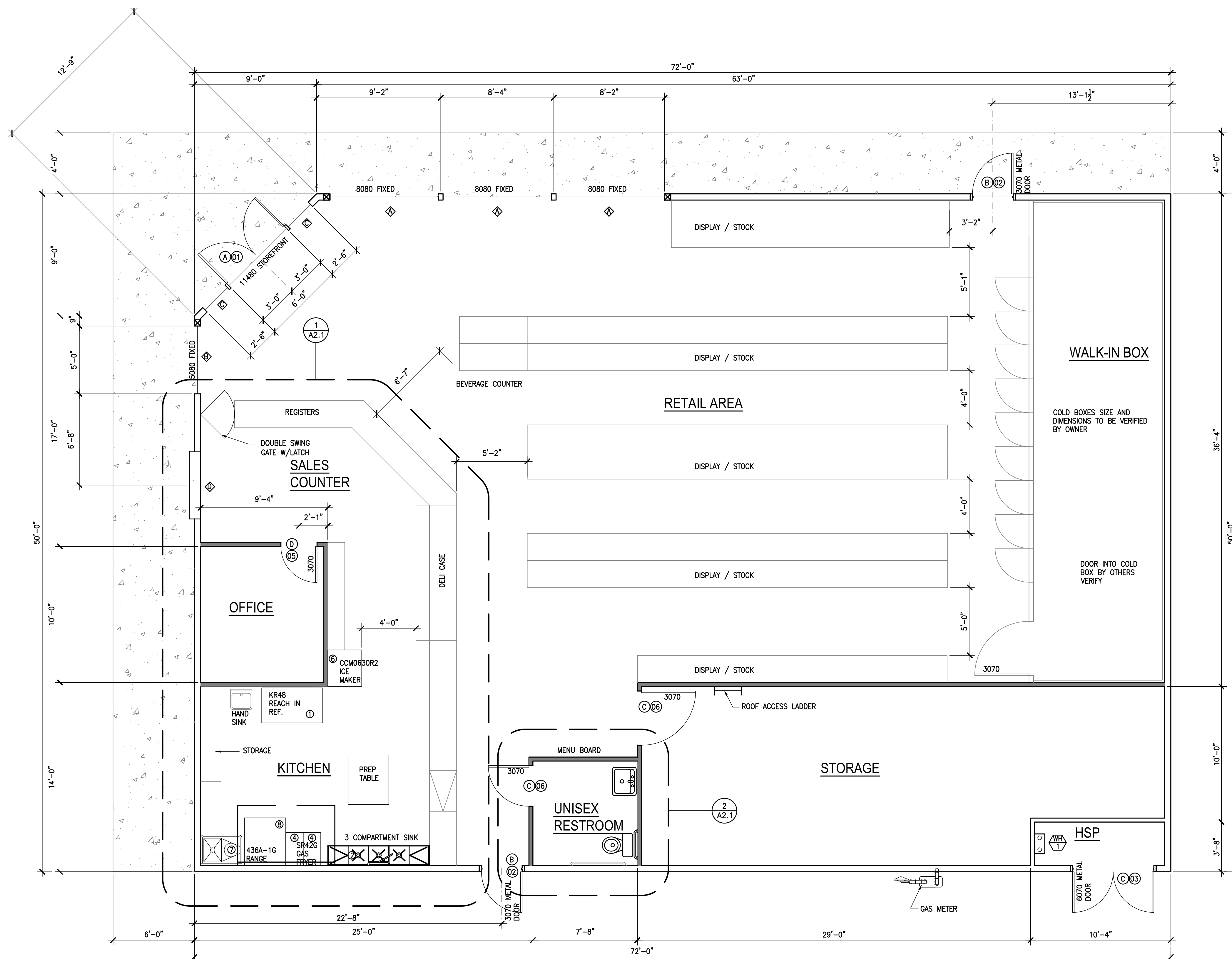
REVISION	DATE
	12/18/09

DATE	DRAWN	A.F.
3/11/2010		

DOOR SCHEDULE - WINDOW SCHEDULE - NOTES  
**PROPOSED CONVENIENCE STORE FOR:**  
 WILLIES MARKET  
 690 N. ELWOOD AVE  
 LINDSAY, CA

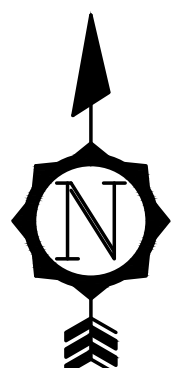
JOB NO.  
**C09-057**  
 SHEET NO.

**A-10**  
 SHEET 10 OF 10

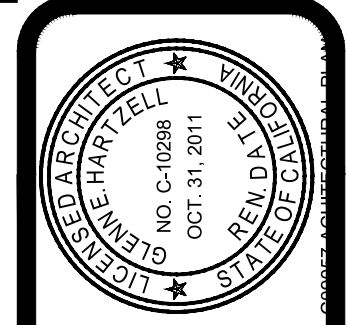


**LEGEND**

- □ □ STORE FRONT WINDOWS
- ==== 2X6 WALL - PLASTER EXTERIOR/GYP. BD. INTERIOR
- ==== 2X4 WALL 5/8" GYP. BD. BOTH SIDES



**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



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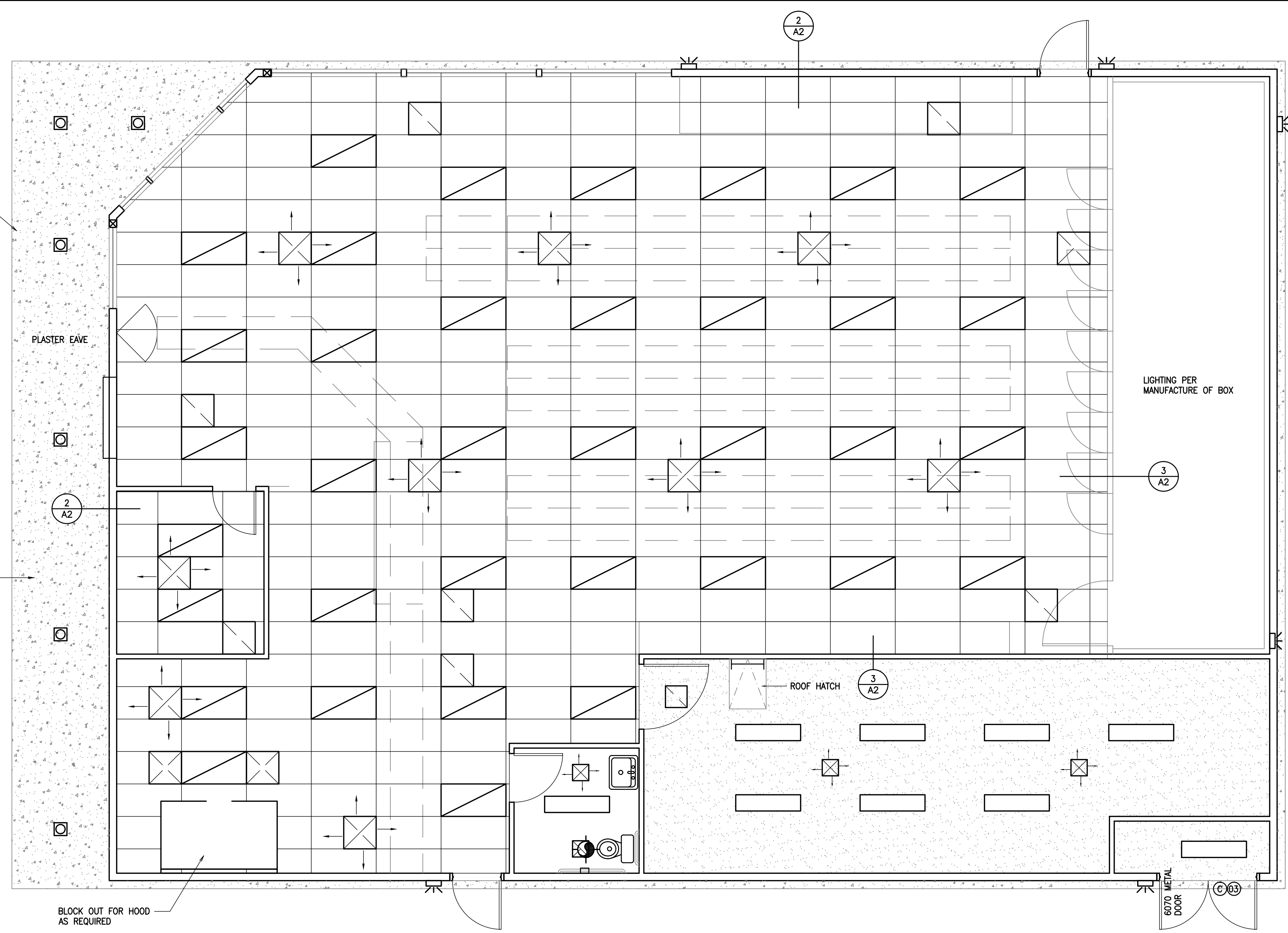
REVISION	DATE	DATE	DATE
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FLOOR PLAN  
**PROPOSED CONVENIENCE STORE FOR:**  
WILLIES MARKET  
600 N. ELWOOD AVE  
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JOB NO.  
**C09-057**  
SHEET NO.

**A-2**  
SHEET 2 OF 10

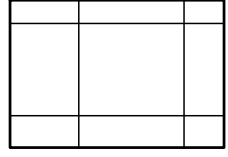
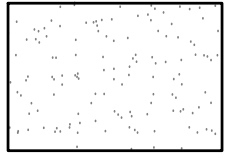
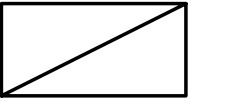
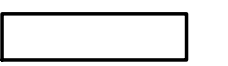



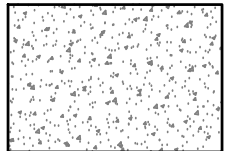
WALKWAY OVERHANG TO BE FINISHED SIMILAR TO EXTERIOR WALLS - SEE ELEVATIONS

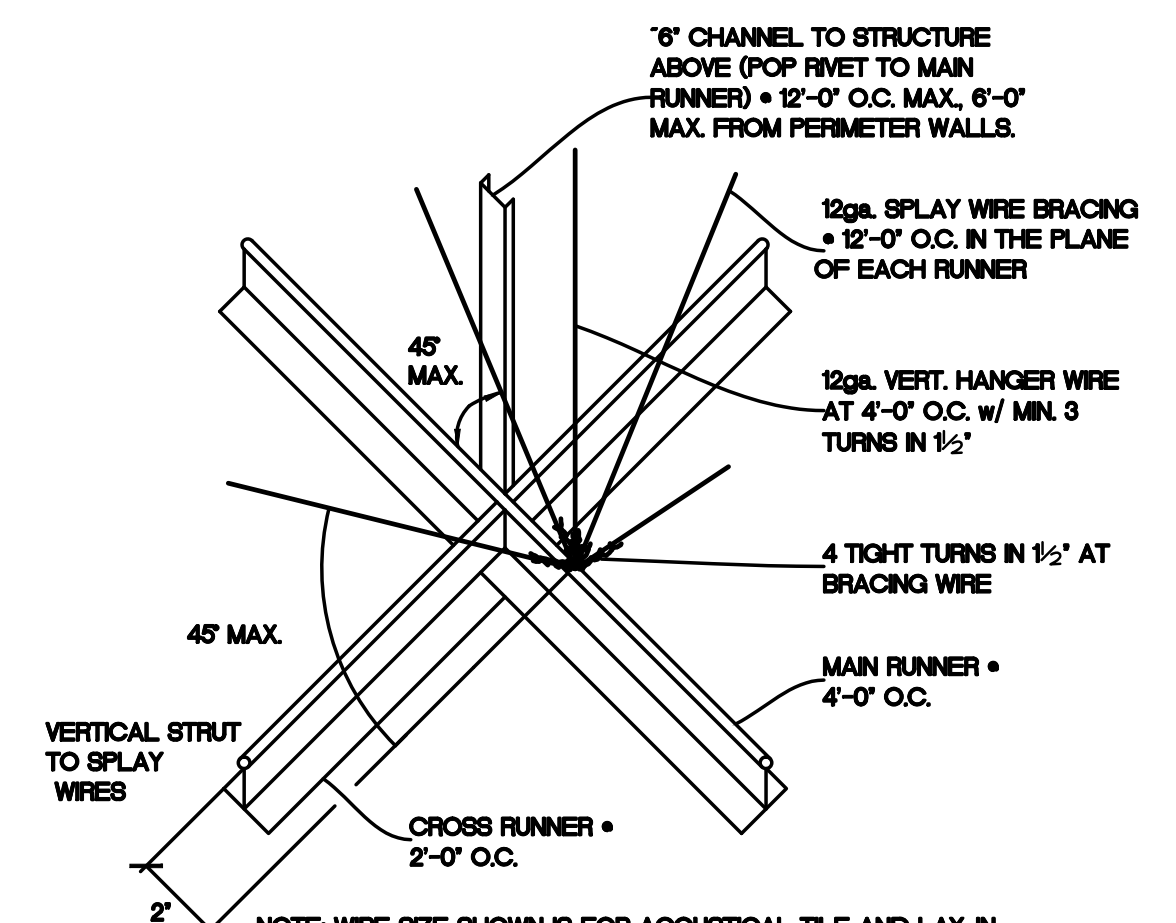
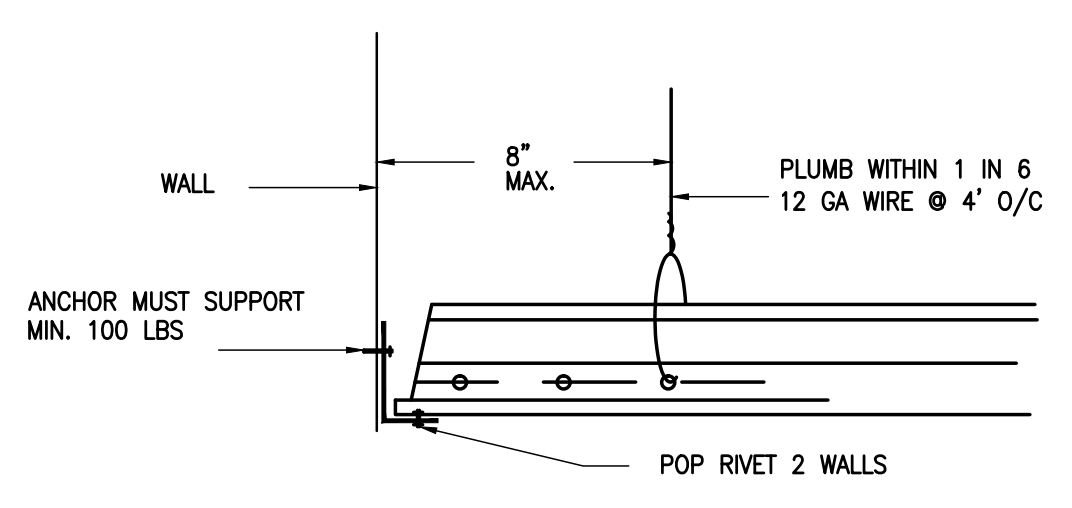
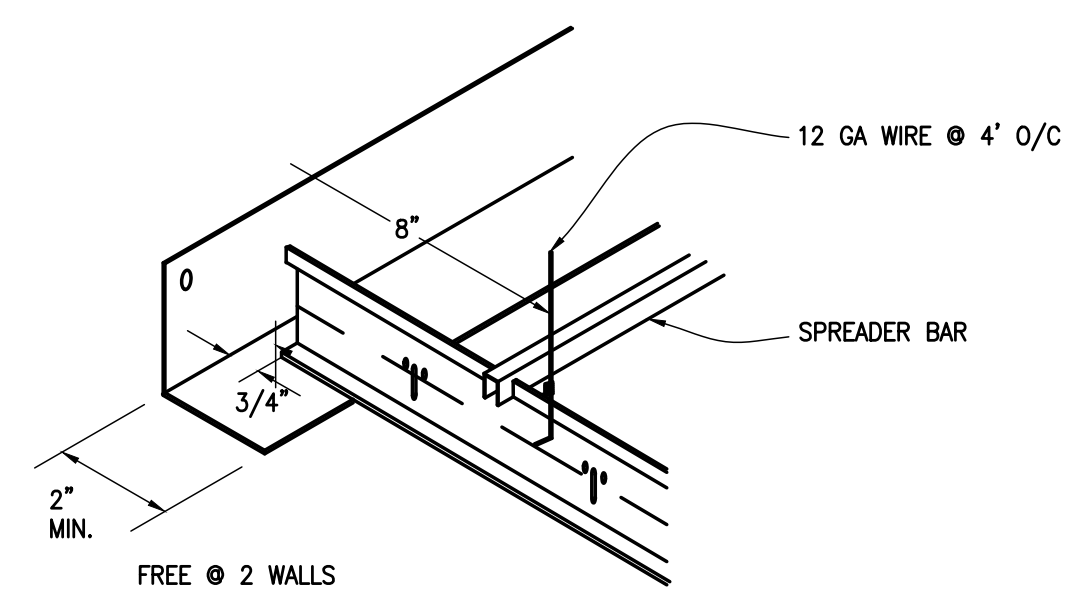
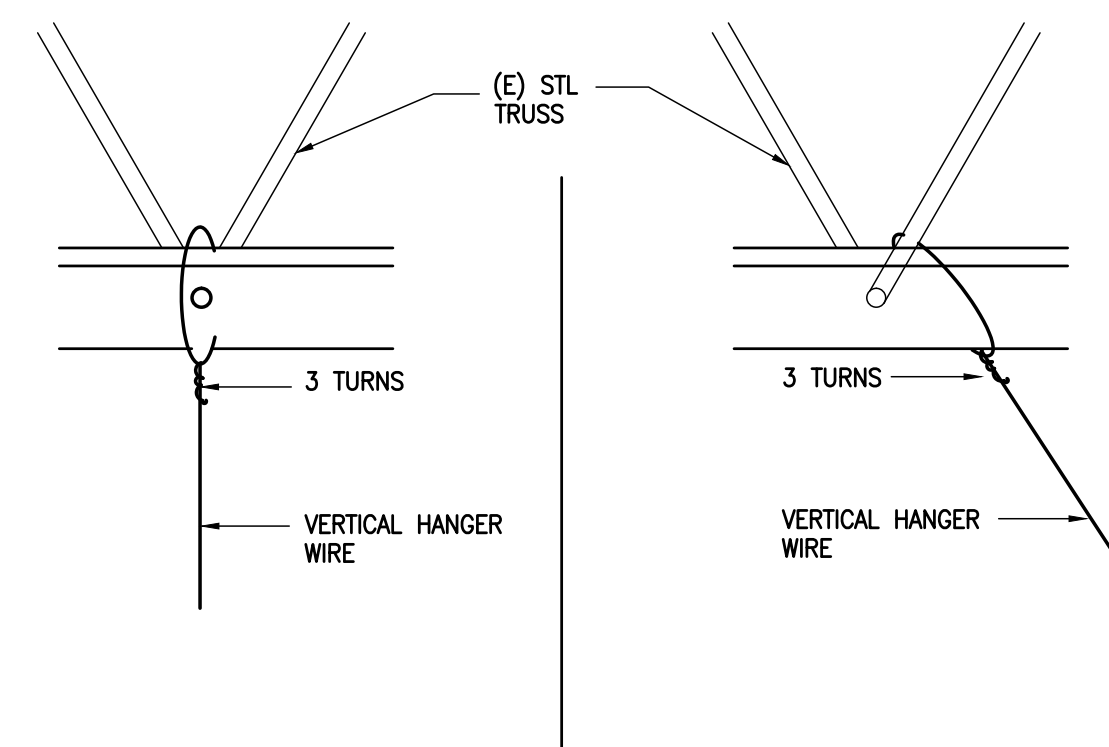


**REFLECTED CEILING PLAN**

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

**LEGEND**

-  T-BAR CEILING GRID
-  GYP BD CEILING
-  2X4 FLUORESCENT LIGHT FIXTURE
-  1X4 FLUORESCENT LIGHT FIXTURE
-  RECESSED FLUORESCENT LIGHT FIXTURE
-  HI-PRESSURE SODIUM LIGHT WALL FIXTURE
-  EXHAUST FAN
-  CEMENT PLASTER EAVE



NOTE: WIRE SIZE SHOWN IS FOR ACOUSTICAL TILE AND LAY-IN PANEL SYSTEMS WEIGHING NOT MORE THAN 4 LBS. INCL. LIGHT FIXTURES. INCREASE WIRE SIZE PER UBC TABLE 47-A FOR GREATER WEIGHTS.

REQUIRED PER 1000 SF FOR EACH ROOM

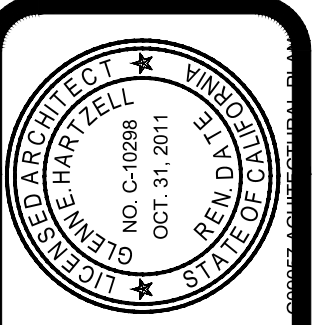
① WIRE ATTACHMENTS

N.T.S. ② HANGER(SUSPENSION)WIRES

N.T.S. ③ HANGER SUSPENSION

N.T.S. ④ DETAIL

N.T.S.



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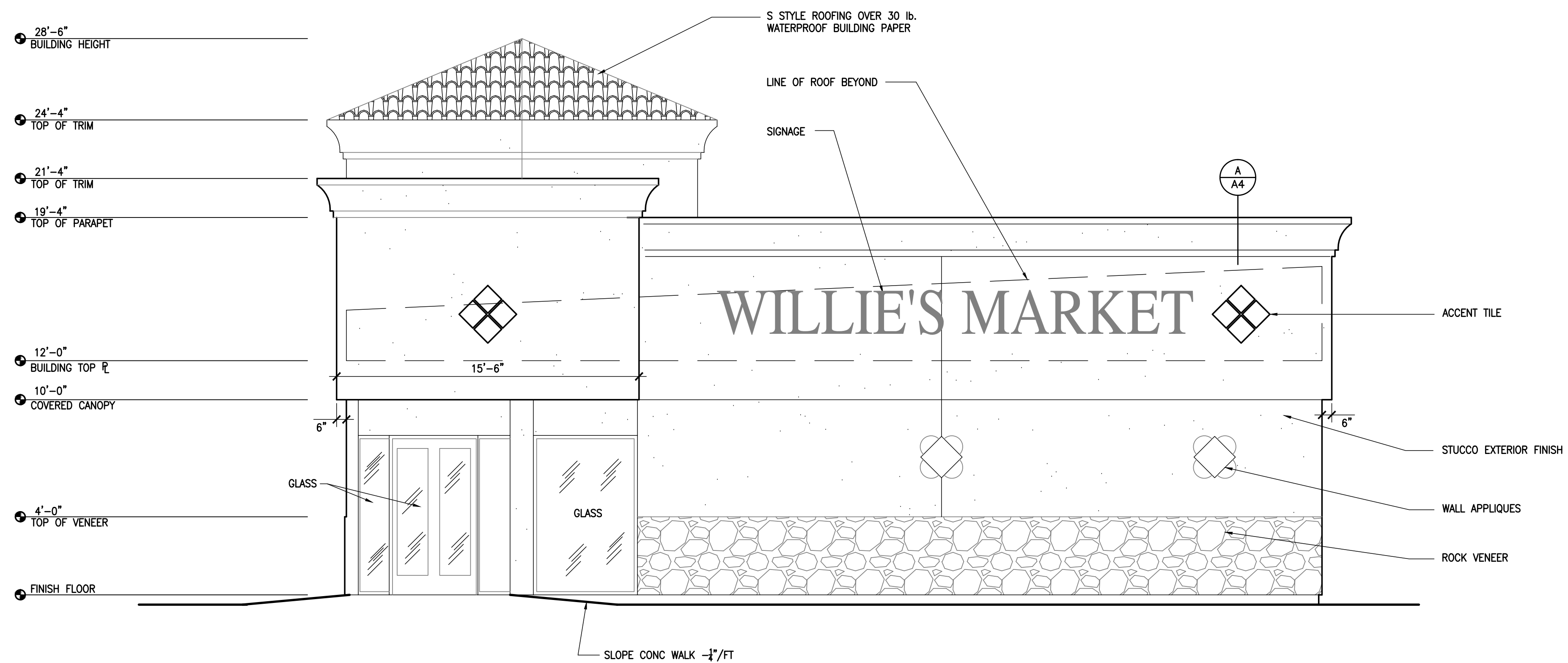
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3/11/2010		

REFLECTED CEILING PLAN - DETAILS  
**PROPOSED CONVENIENCE STORE FOR:**  
 WILLIES MARKET  
 600 N. ELWOOD AVE  
 LINDSAY, CA

JOB NO.  
**C09-057**

SHEET NO.  
**A-3**

SHEET 3 OF 10



**FRONT - WEST EXTERIOR ELEVATION**

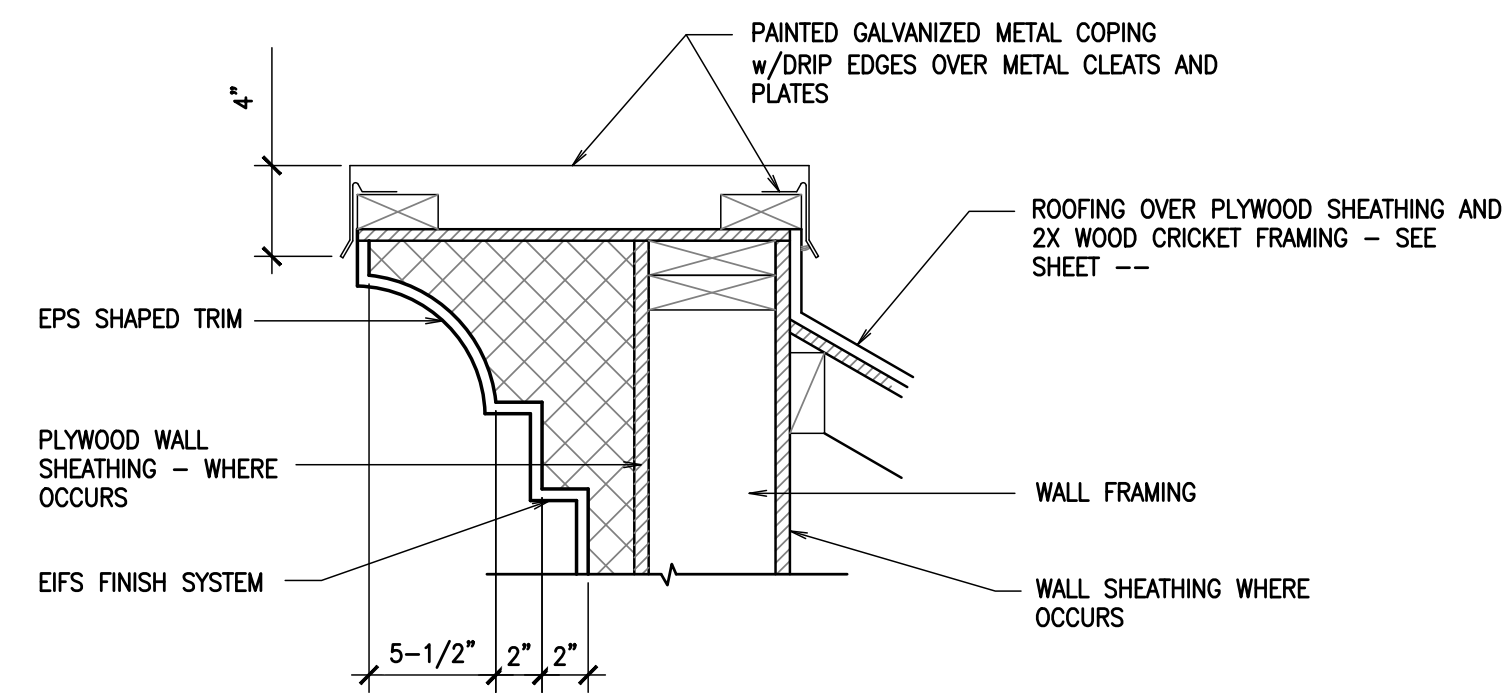
SCALE: 1/4" = 1'-0"

**ELEVATION NOTES:**  
ALL FLASHINGS FOR EXTERIOR OPENINGS, CHIMNEY AND ROOF TO WALL DETAILS SHALL BE 26 GA. MIN. GALVANIZED SHEET METAL.

PROVIDE MIN. 30# WATERPROOF BUILDING PAPER UNDER STUCCO SIDING.

ROOF COVERING SHALL CONFORM TO THE LATEST EDITION OF THE CBC AND BE FASTENED PER THE MANUFACTURER'S SPECIFICATIONS.

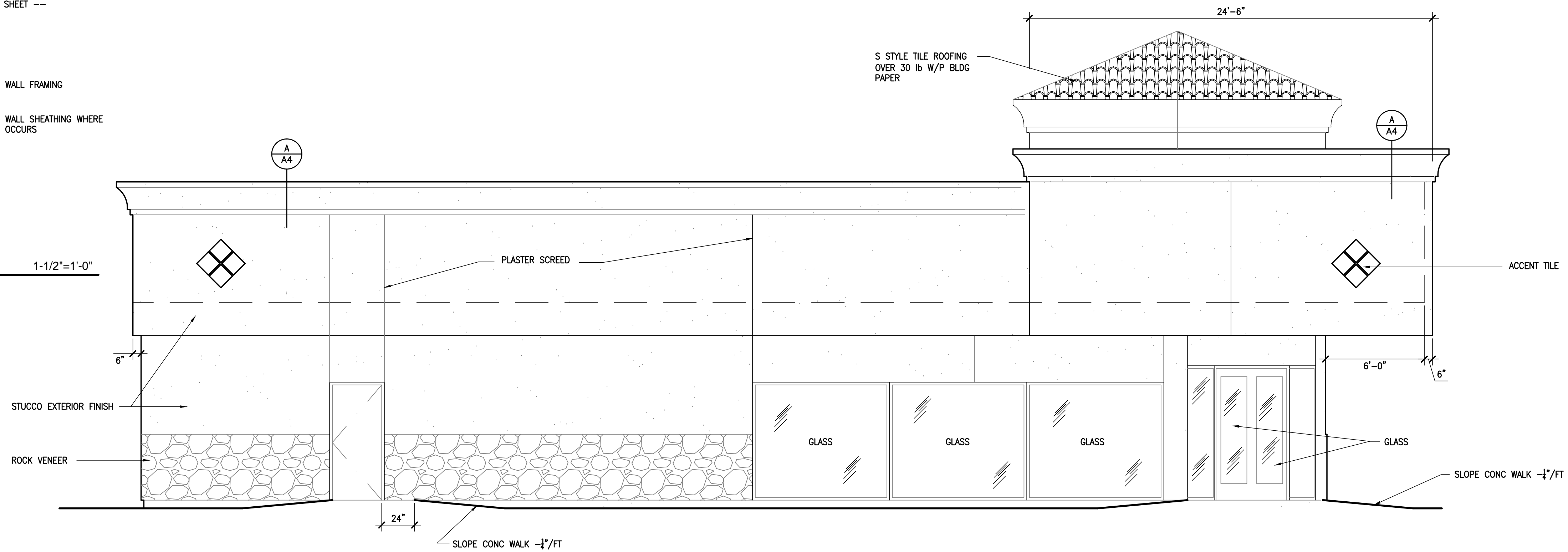
PROVIDE WINDOW AND DOOR FLASHING AT ALL LOCATIONS WITH FELT OR PAPER APPLIED HORIZONTALLY WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2". VERTICAL JOINTS SHALL BE LAPPED NOT LESS THAN 6 INCHES. (CBC 1402)



**A TRIM DETAIL**

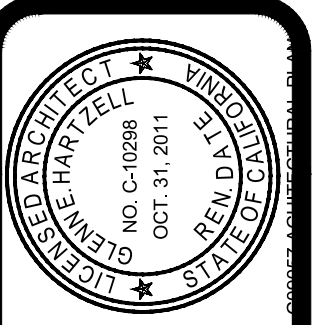
FOR ADDITIONAL ITEMS AND INFORMATION NOT SHOWN SEE DRAWINGS PREPARED BY EACH RESPECTIVE TRADE.

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



**LEFT - NORTH EXTERIOR ELEVATION**

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



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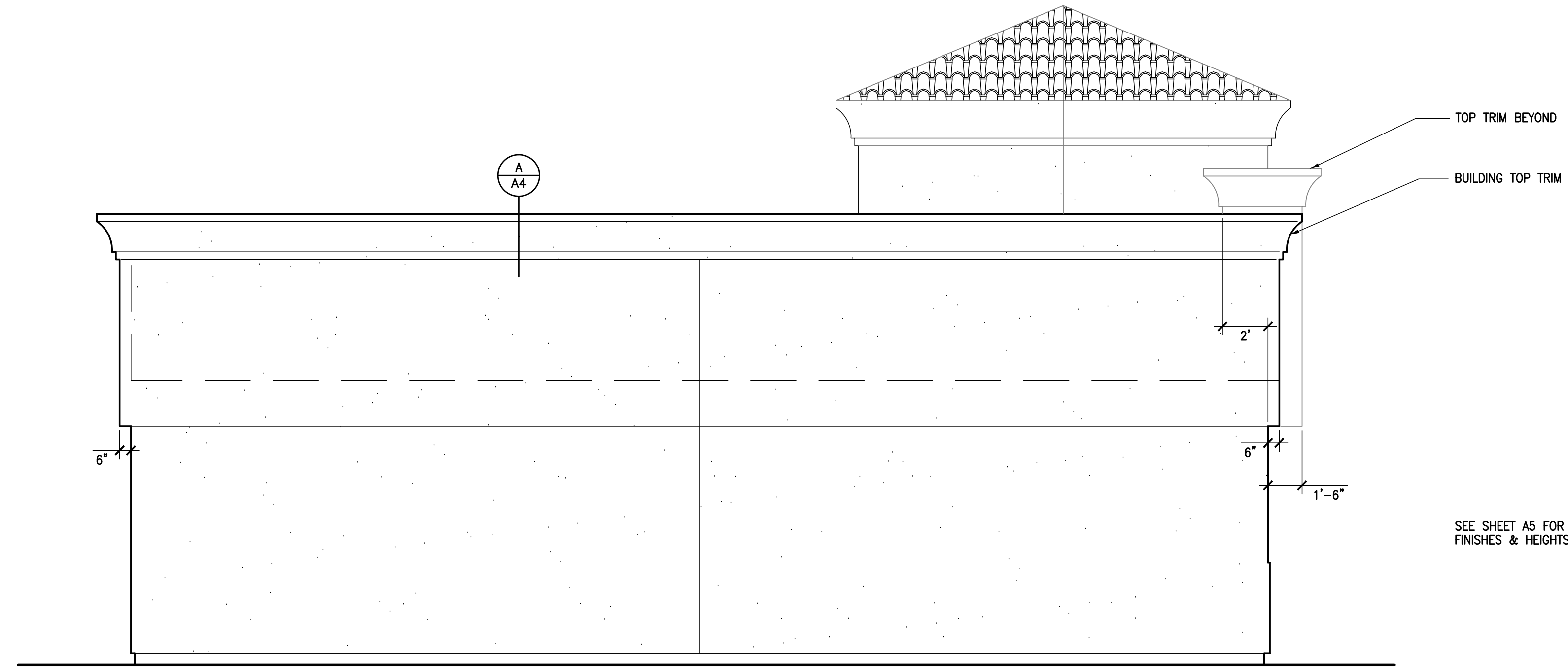
EXTERIOR ELEVATIONS - DETAILS  
**PROPOSED CONVENIENCE STORE FOR:**  
WILLIE'S MARKET  
690 N. ELWOOD AVE  
LINDSAY, CA

JOB NO.  
**C09-057**

SHEET NO.

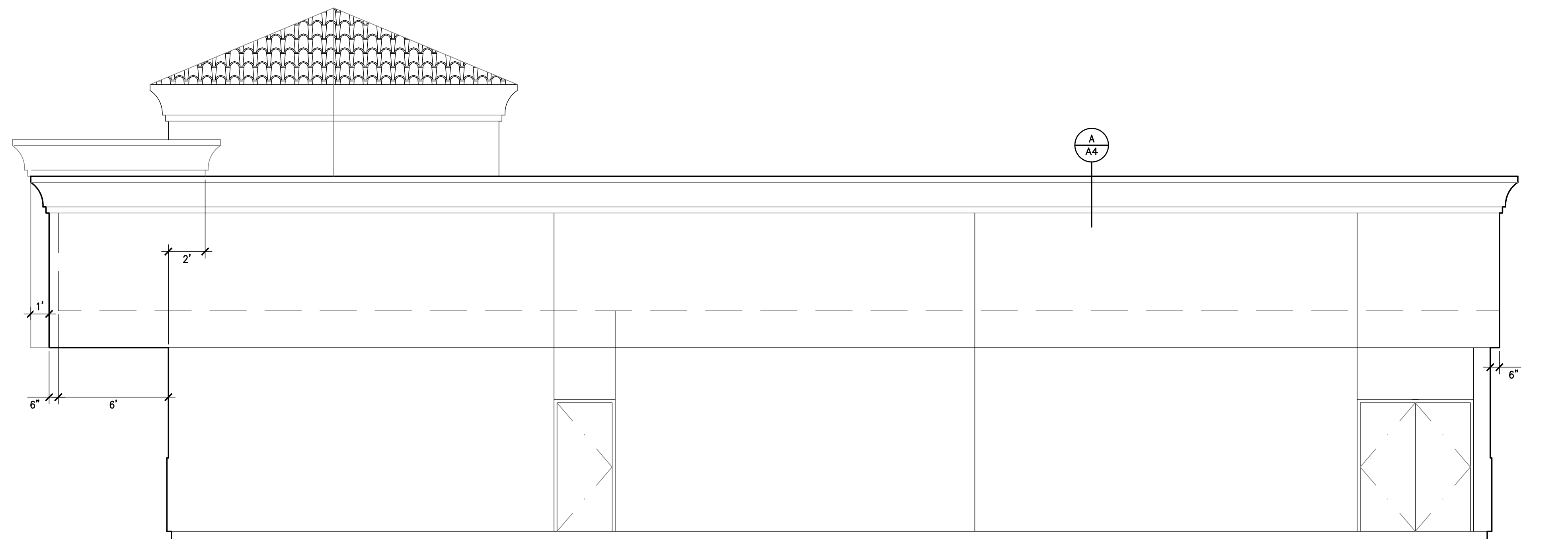
**A-4**

SHEET 4 OF 10



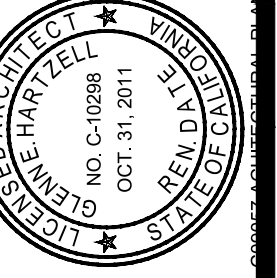
**REAR - EAST EXTERIOR ELEVATION**

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



**RIGHT - SOUTH EXTERIOR ELEVATION**

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



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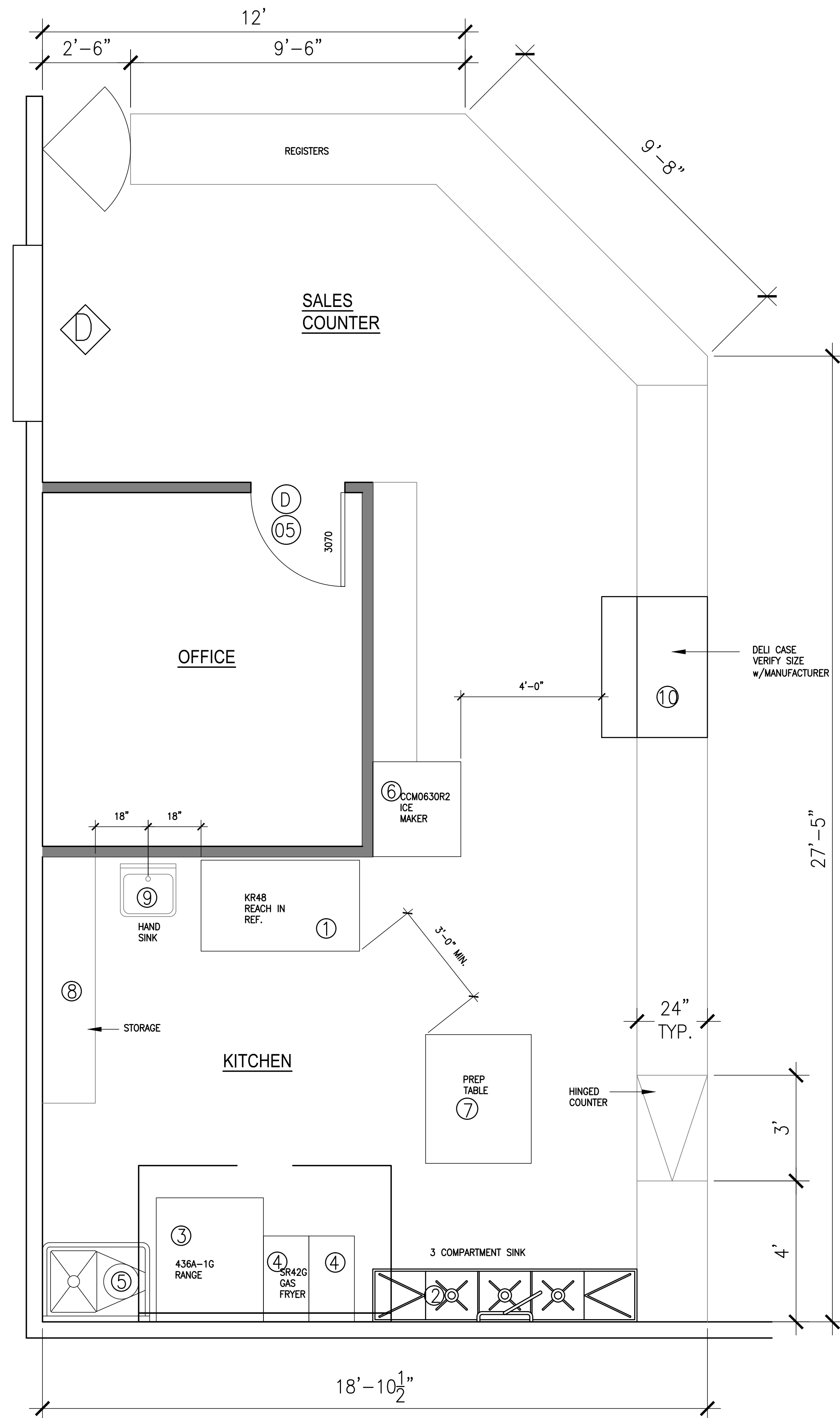
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3/11/2010		

EXTERIOR ELEVATION  
**PROPOSED CONVENIENCE STORE FOR:**  
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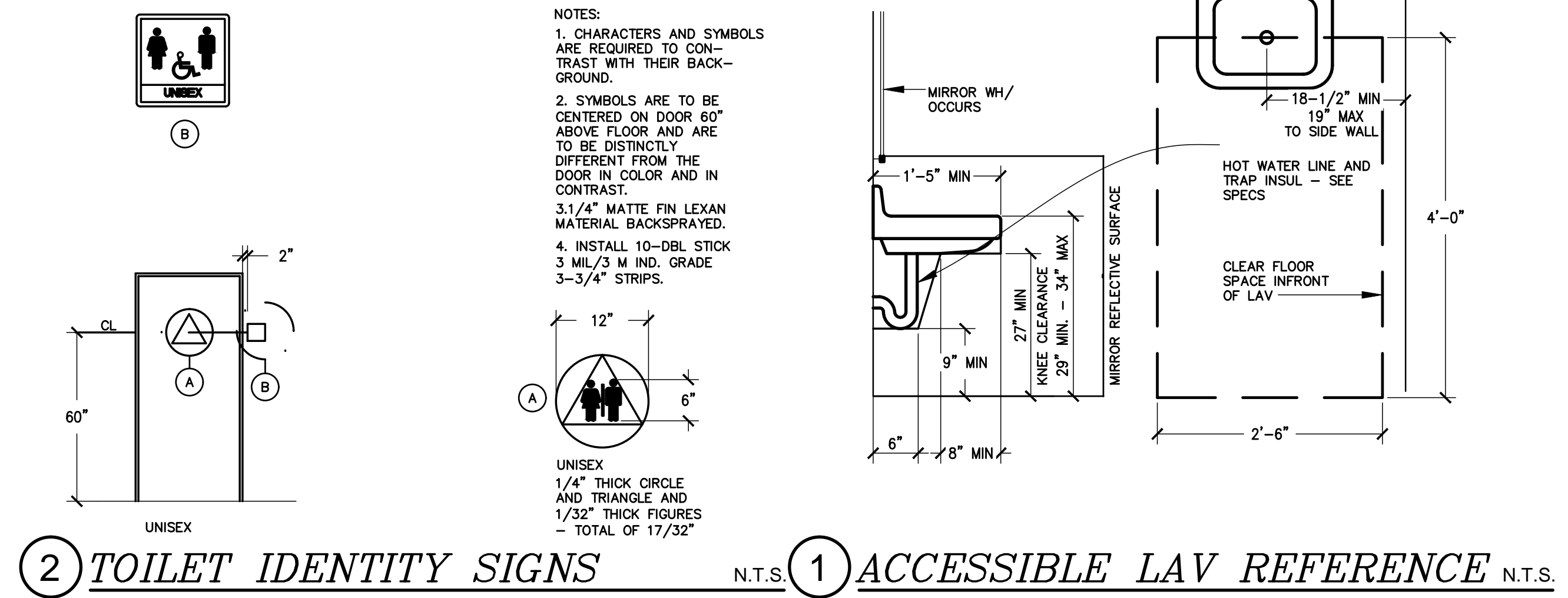
SHEET NO.  
**A-5**  
 SHEET 5 OF 10



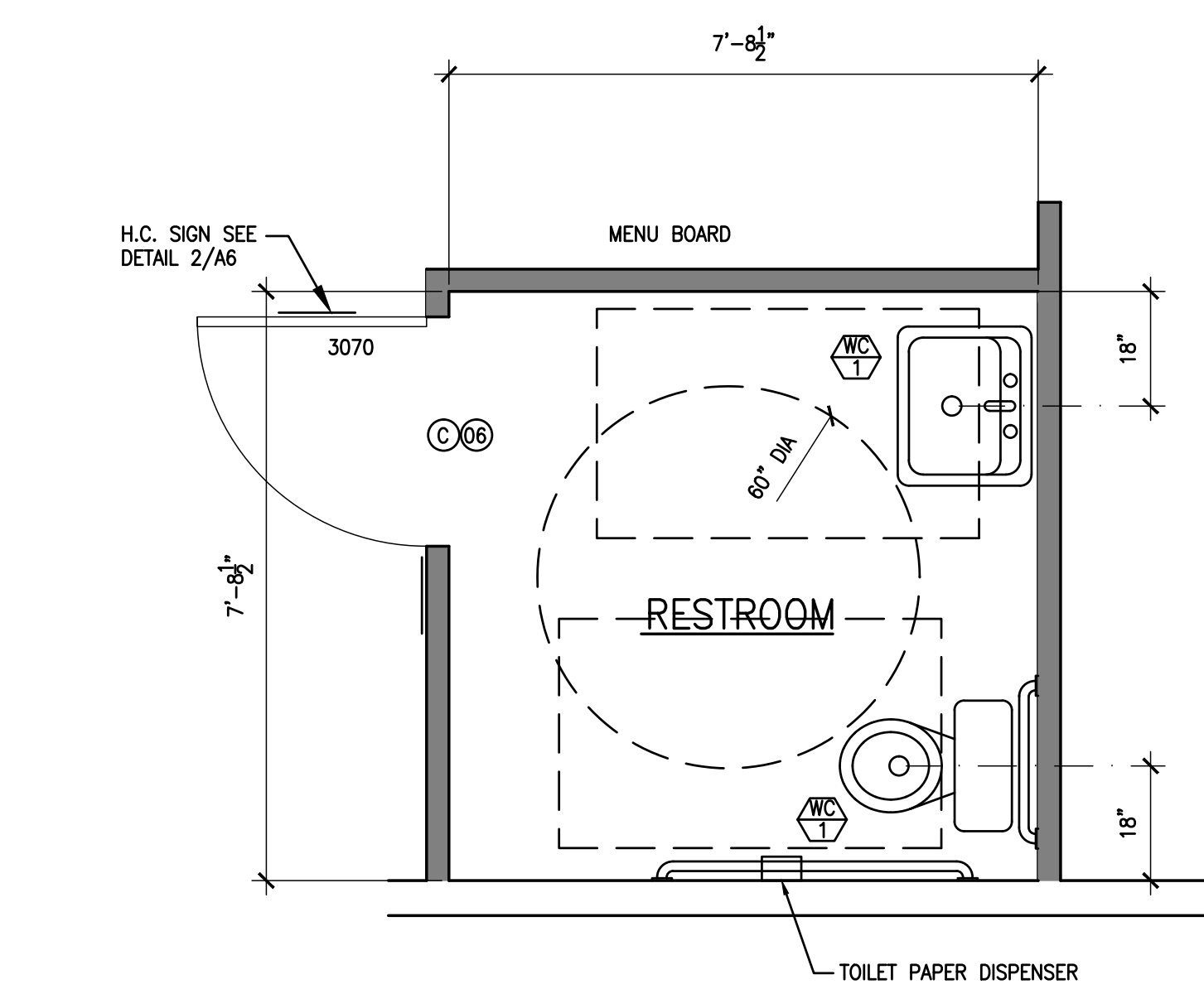
**(A) PARTIAL FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

**EQUIPMENT LIST**

MARK	MODEL	EQUIPMENT NAME	ELECTRICAL	GAS	WATER
1	CARRIER KR48	CARRIER KR48	115V 7A		
2	EAGLE 414-16-3-18	3 COMPARTMENT SINK	-		1/2" CW/HW
3	SOUTHBEND 436A-1G	RANGE / OVEN	115V 4.8A	3/4" GAS 198,000 BTU	
4	DEAN SR42G	DEEP FRYER		3/4" GAS 195,000 BTU	
5	NSE TSA-1-L1	PREP SINK			1/2" CW/HW
6	NORDIC CCM0630	ICE MAKER	208V 12.0A		1/2" CW/HW
7		S.S. PREP TABLE			
8		STORAGE RACKS 18"			
9		HAND SINK			
10	ALTO-SHAAM HN-48P	DELI UNIT	115V 20A 120V 30A		



**(2) TOILET IDENTITY SIGNS** N.T.S. **(1) ACCESSIBLE LAV REFERENCE** N.T.S.



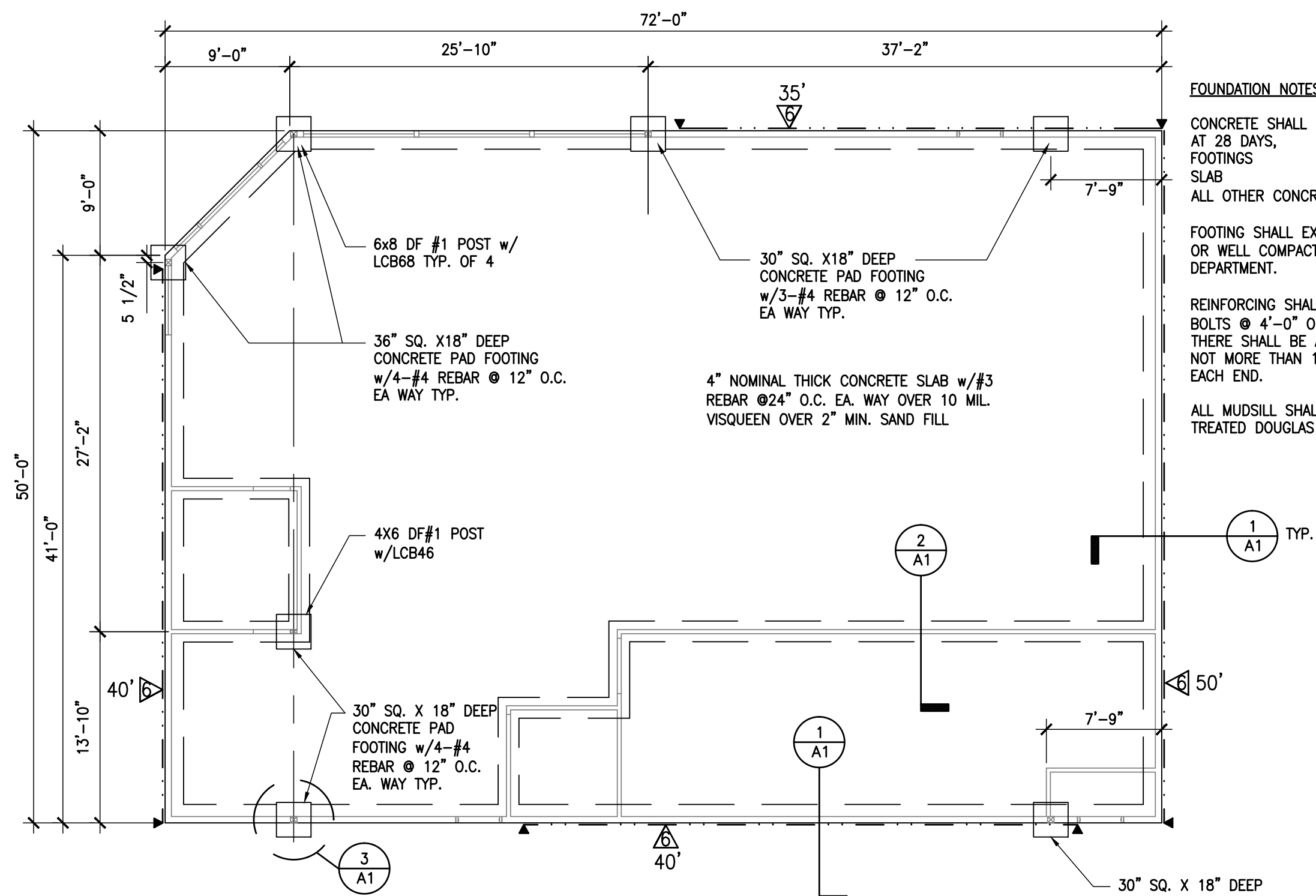
**(B) PARTIAL FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

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REVISION	DATE	DATE	DATE
12/18/09	12/18/09		

PARTIAL FLOOR PLANS - EQUIPMENT LIST  
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 SHEET NO.  
**A-6**  
 SHEET 6 OF 10



**FOUNDATION PLAN**

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

**FOUNDATION NOTES:**

CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS,  
 FOOTINGS  $F_c' = 2,500$  P.S.I.  
 SLAB  $F_c' = 2,500$  P.S.I.  
 ALL OTHER CONCRETE  $F_c' = 2,500$  P.S.I.

FOOTING SHALL EXTEND A MINIMUM OF 1'-0" BELOW NATURAL GROUND OR WELL COMPACTED FILL AS CONFIRMED BY THE BUILDING DEPARTMENT.

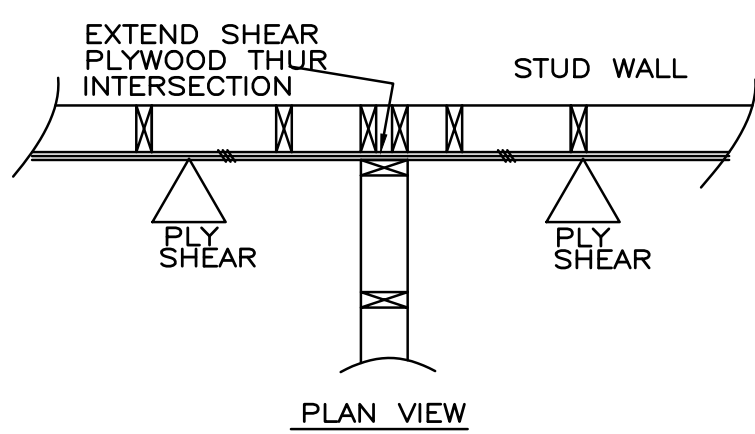
REINFORCING SHALL CONFORM TO A.S.T.M. A307 PROVIDE 1/2" ANCHOR BOLTS @ 4'-0" O.C. W/ 2"x2"x3/16" THICK PLATE WASHER, TYP. U.N.O. THERE SHALL BE A MINIMUM OF 2 BOLTS PER PEICE WITH 1 BOLT NOT MORE THAN 12 INCHES OR LESS THAN 7 BOLT DIAMETER FROM EACH END.

ALL MUDSILL SHALL BE FOUNDATION GRADE REDWOOD OR PRESSURE TREATED DOUGLAS FIR.

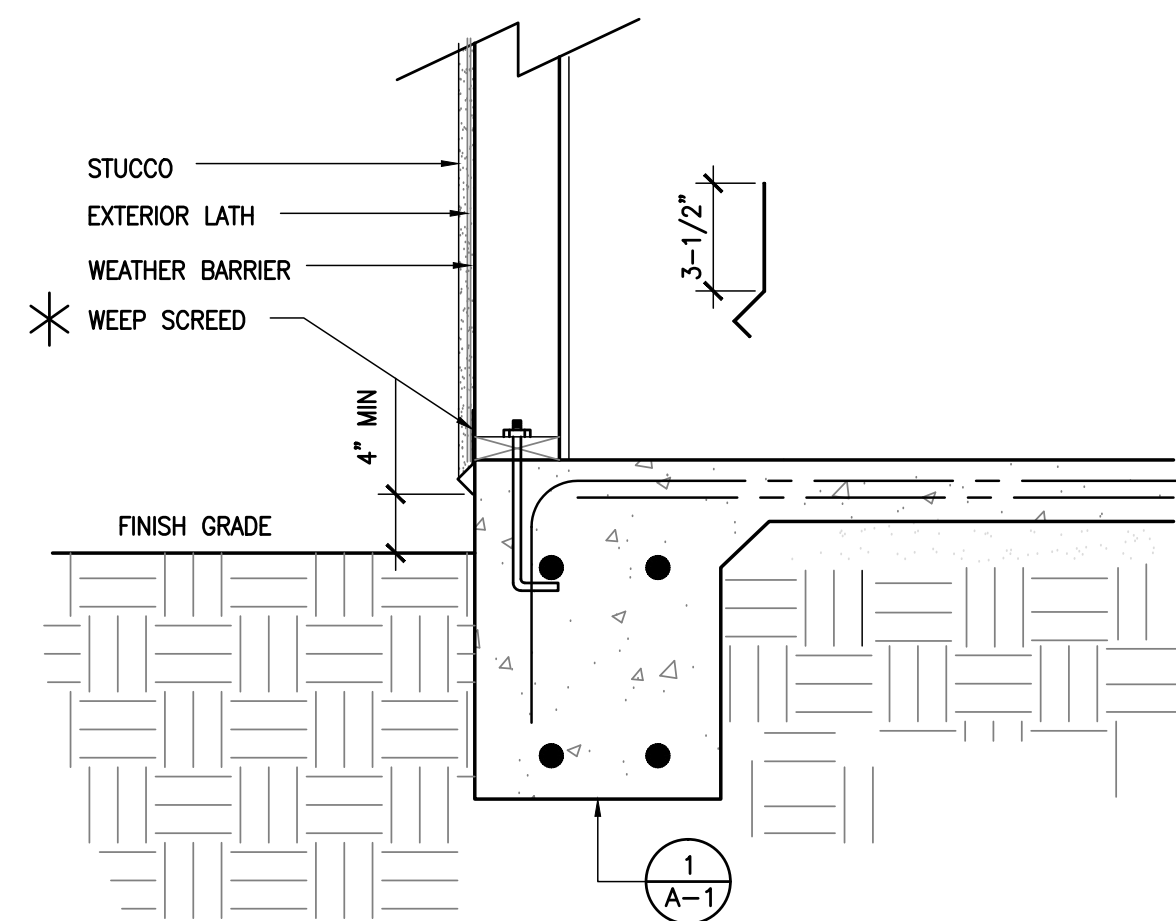
MIT28B OR HIT22 WITH 4X POST & ANCHOR BOLT TO BE SSTB24 (OR) OPTIONAL HDSA w/ 4X POST & SSTB20, (OR) SHD14

\* CDX MAYBE SUBSTITUTED FOR OSB STRUCTURAL GRADE

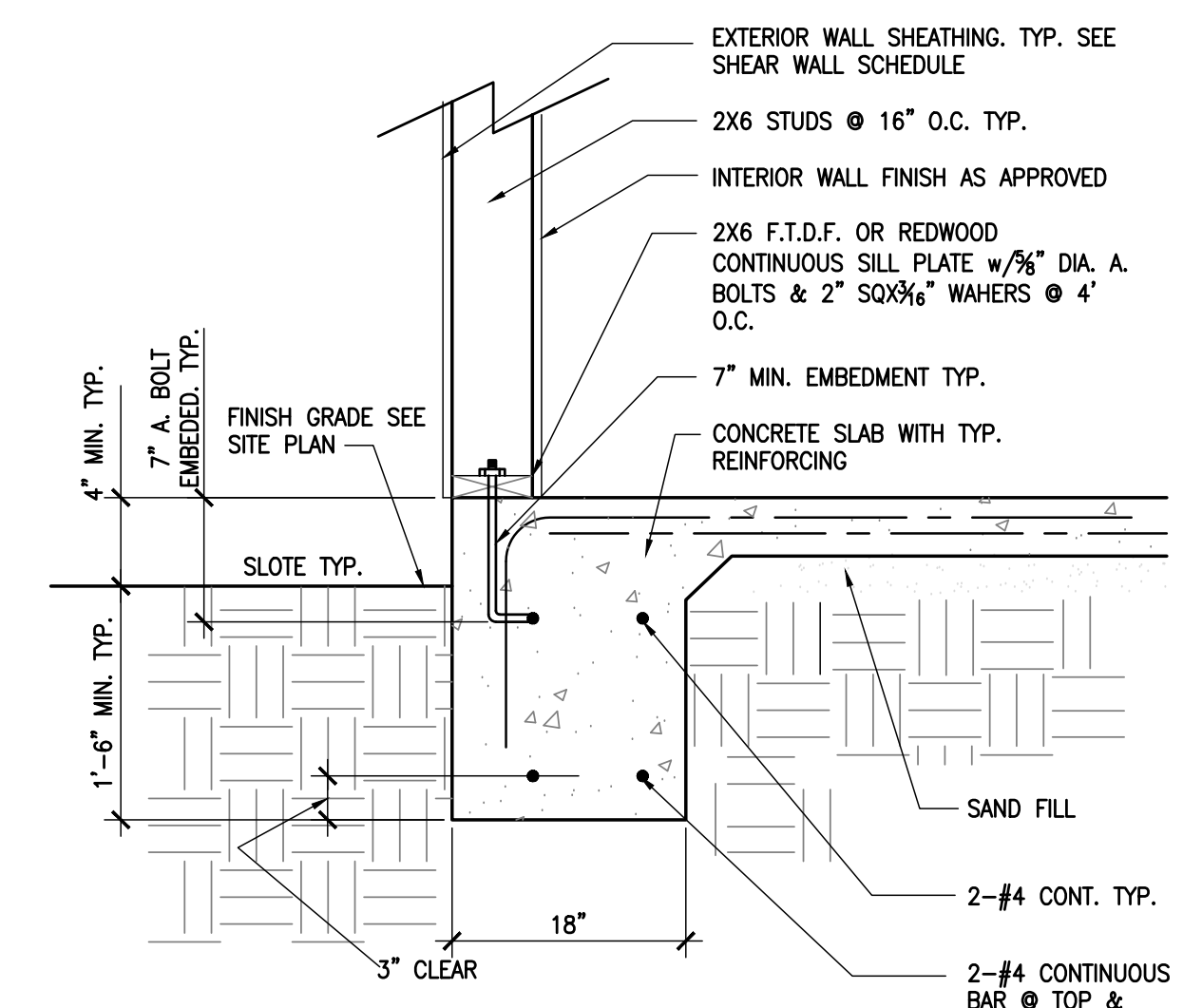
SHEAR SHEATHING SCHEDULE CALIFORNIA BUILDING CODE 2007														
MARK	THICKNESS	GRADE	NAIL SIZE	TYPICAL EDGE NAILING	TYPICAL BOUNDARY NAILING	FIELD NAILING	SILL PLATE NAILING	BOLTING	PLATE CLIPS A35 OR LTP4	PLATES TO FLOOR 1/2" LAG	EDGE BLOCKING	PLATES AND EDGES	REMARKS	SHEAR LOAD PLF
R	1/2"	CDX	8d	6"	6"	12"	---	---	---	---	NO	---	ROOF PLYWOOD	---
F	3/4"	CDX	10d	6"	6"	10"	---	---	---	---	NOT IF T & G	---	FLOOR PLYWOOD	---
6	3/8"	CDX	8d	6"	6"	12"	16d NAILS AT 6"	5/8" @ 12" A.B. @ 40" O.C.	20"	22"	YES	2x	SHEARWALL	260
4	3/8"	CDX	8d	4"	4"	12"	16d NAILS AT 4"	5/8" @ 12" A.B. @ 27" O.C.	14"	15"	YES	2x	SHEARWALL	349
3	3/8"	CDX	8d	3"	3"	12"	3/16" LAG AT 6"	5/8" @ 12" A.B. @ 21" O.C.	11"	11"	YES	2x	SHEARWALL	490
2	1/2"	CDX	8d	2"	2"	12"	3/16" LAG AT 4"	5/8" @ 12" A.B. @ 16" O.C.	8"	9"	YES	3x	SHEARWALL	640
4A	1/2"	CDX	8d	4"	4"	12"	1/2" LAG AT 6"	5/8" @ 12" A.B. @ 14" O.C.	7"	7"	YES	3x	EACH SIDE SHEARWALL	760
3A	1/2"	CDX	8d	3"	3"	12"	1/2" LAG AT 5"	5/8" @ 12" A.B. @ 10" O.C.	5"	6"	YES	3x	EACH SIDE SHEARWALL	980
2A	1/2"	CDX	8d	2"	2"	12"	1/2" LAG AT 4"	5/8" @ 12" A.B. @ 8" O.C.	4"	4"	YES	3x	EACH SIDE SHEARWALL	1280



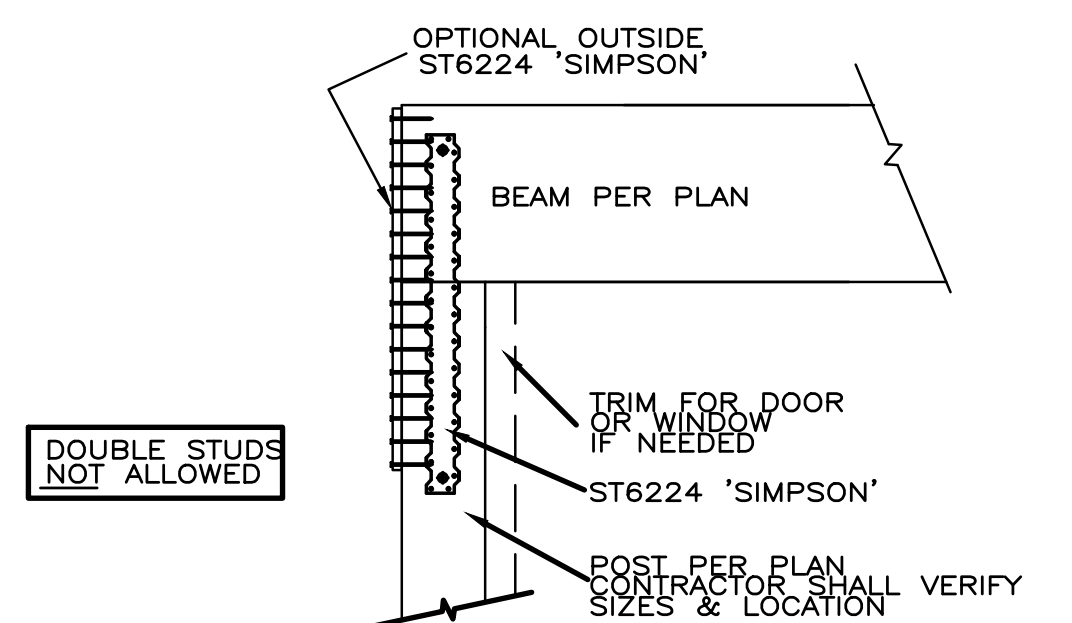
SHEAR PLY. THRU WALL N.T.S. B



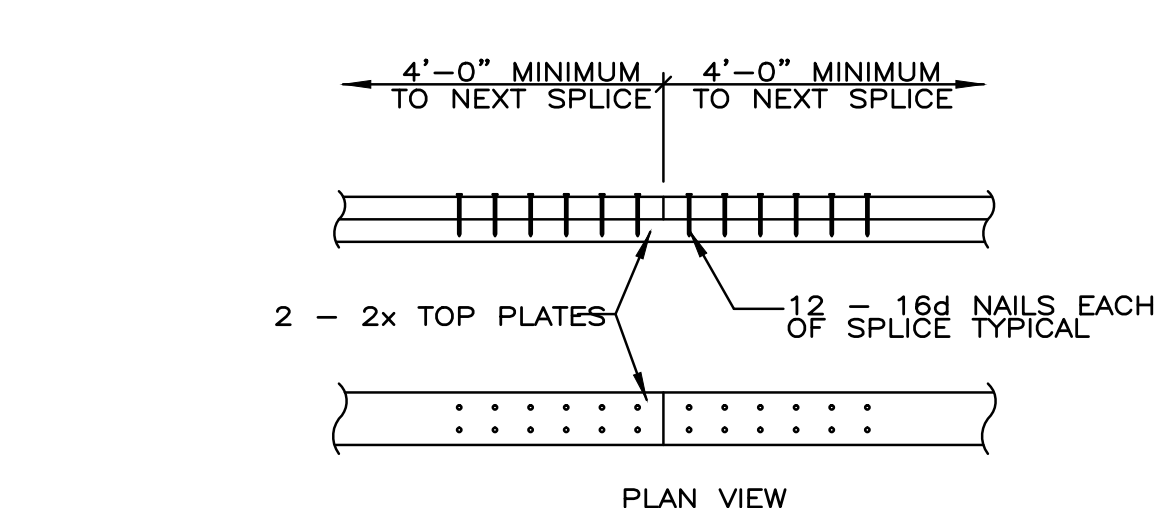
4 WEEP SCREEDS 1"=1'-0" 1 A-1



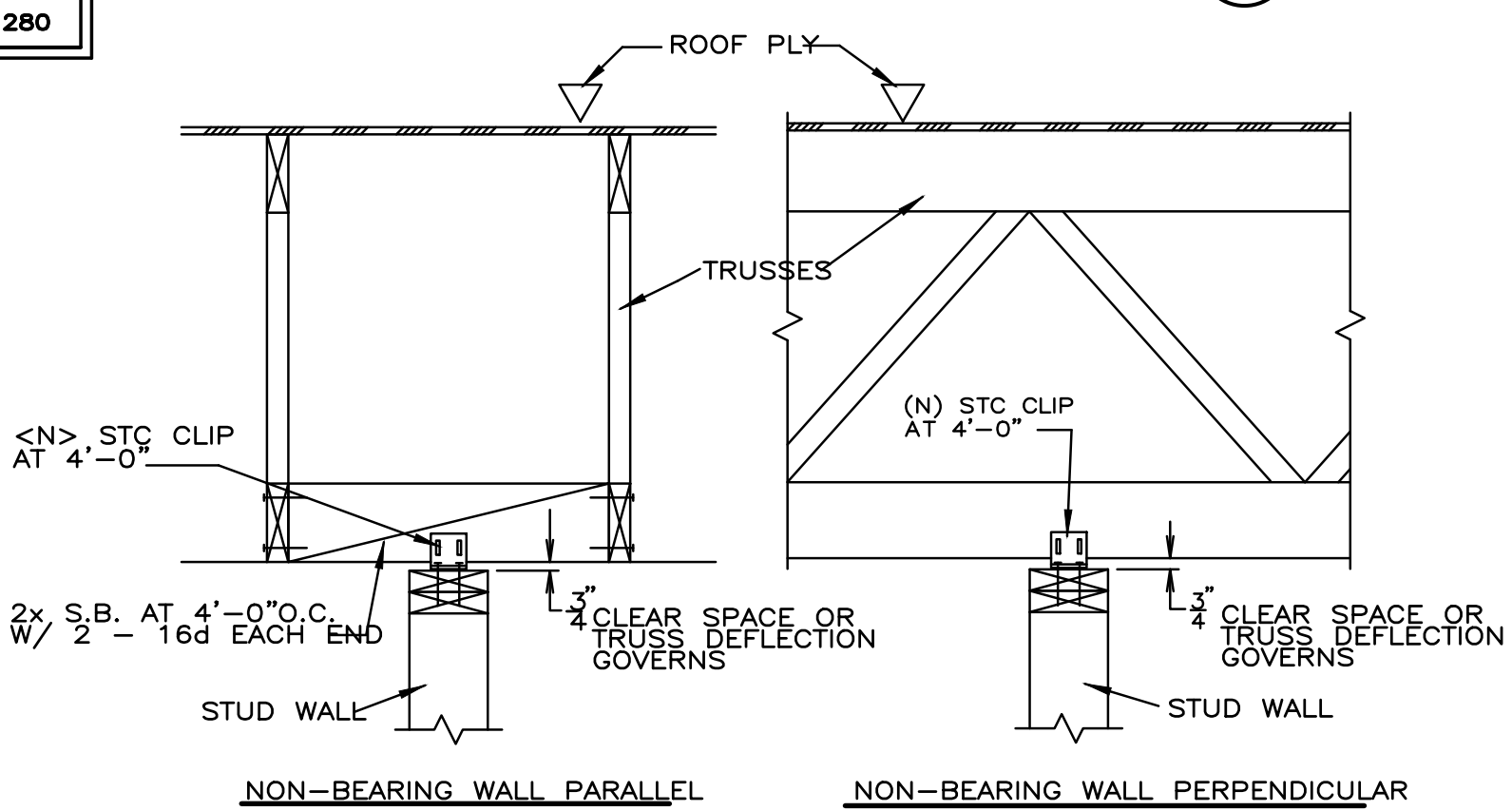
1 FOOTING DETAIL 1"=1'-0" 1



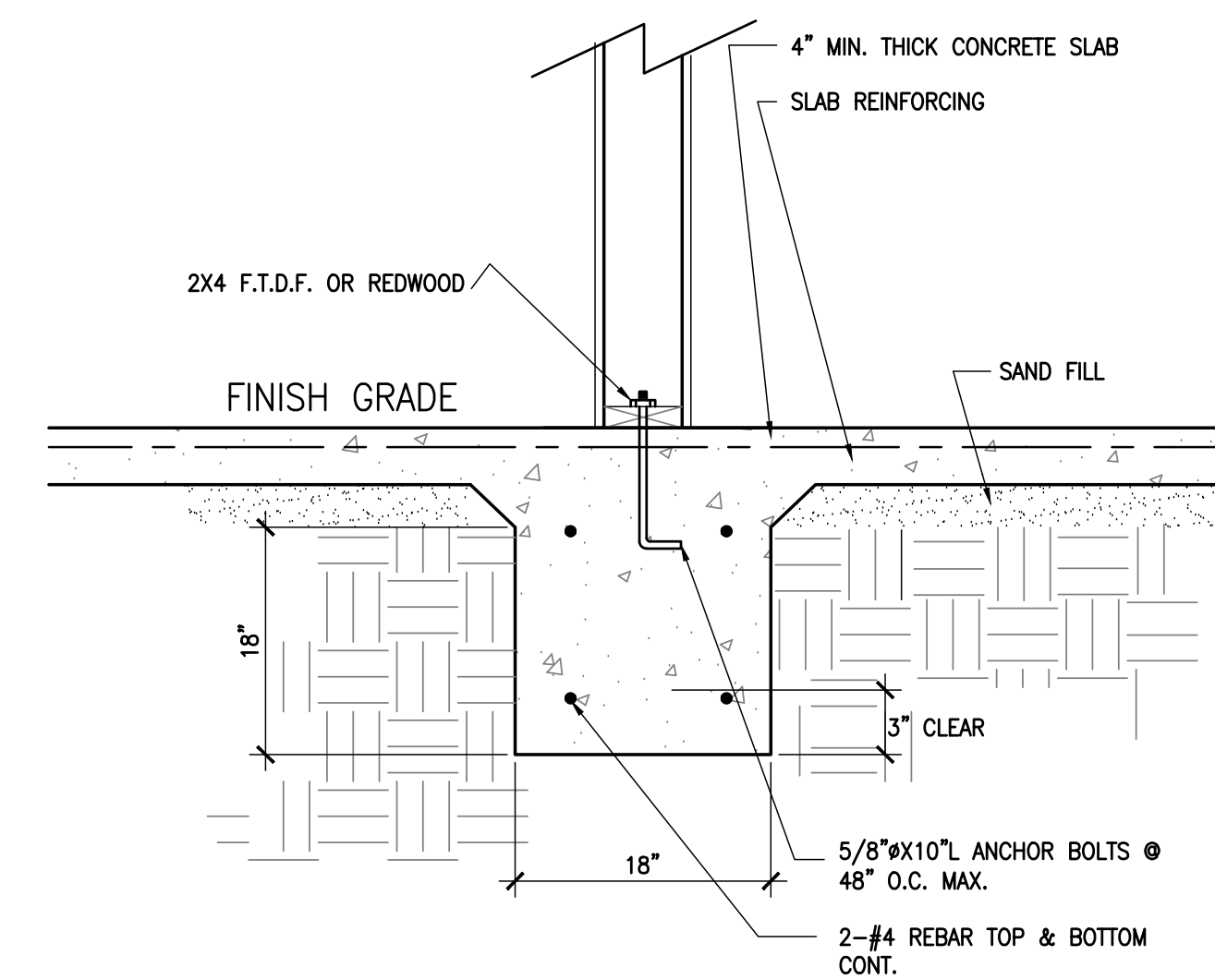
BEAM TO POST WINDOW AND DOOR AREA X



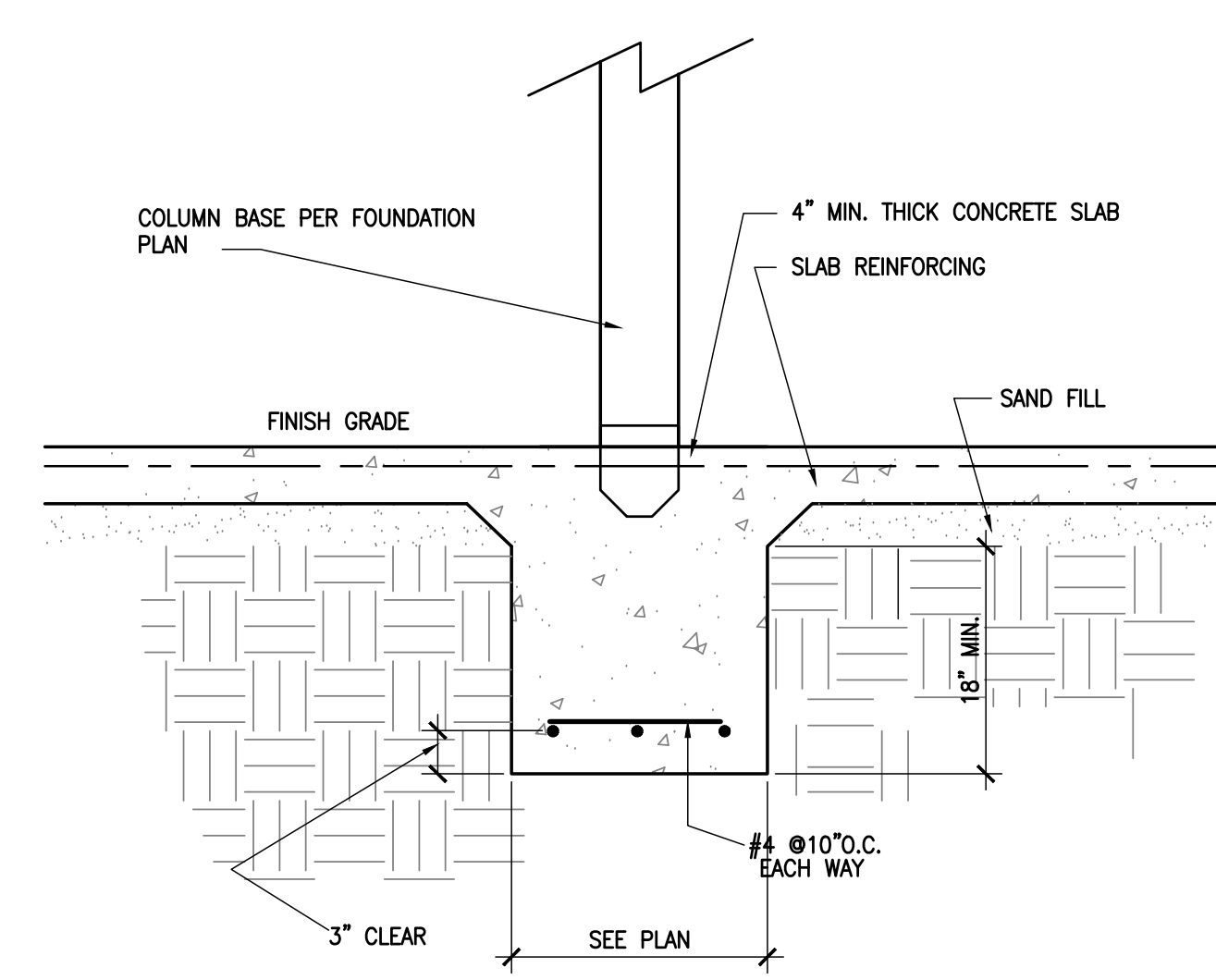
SECTION TOP PLATE SPLICE NAILS N.T.S. G



SECTION TRUSS CLIP N.T.S. H

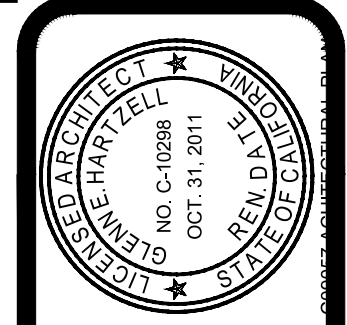


2 FOOTING DETAIL 1"=1'-0" 2



3 FOOTING DETAIL 1"=1'-0" 3

CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. DO NOT SCALE PLANS. WILLIAMSON CHAVEZ DESIGN ASSUMES NO RESPONSIBILITY FOR ITEMS NOT A PART OF THE APPROVED AND SIGNED PLANS. CONTRACTOR SHALL NOTIFY WILLIAMSON CHAVEZ DESIGN IMMEDIATELY OF ANY DISCREPANCIES OR ERRORS DETECTED IN THE APPROVED SET OF PLANS.



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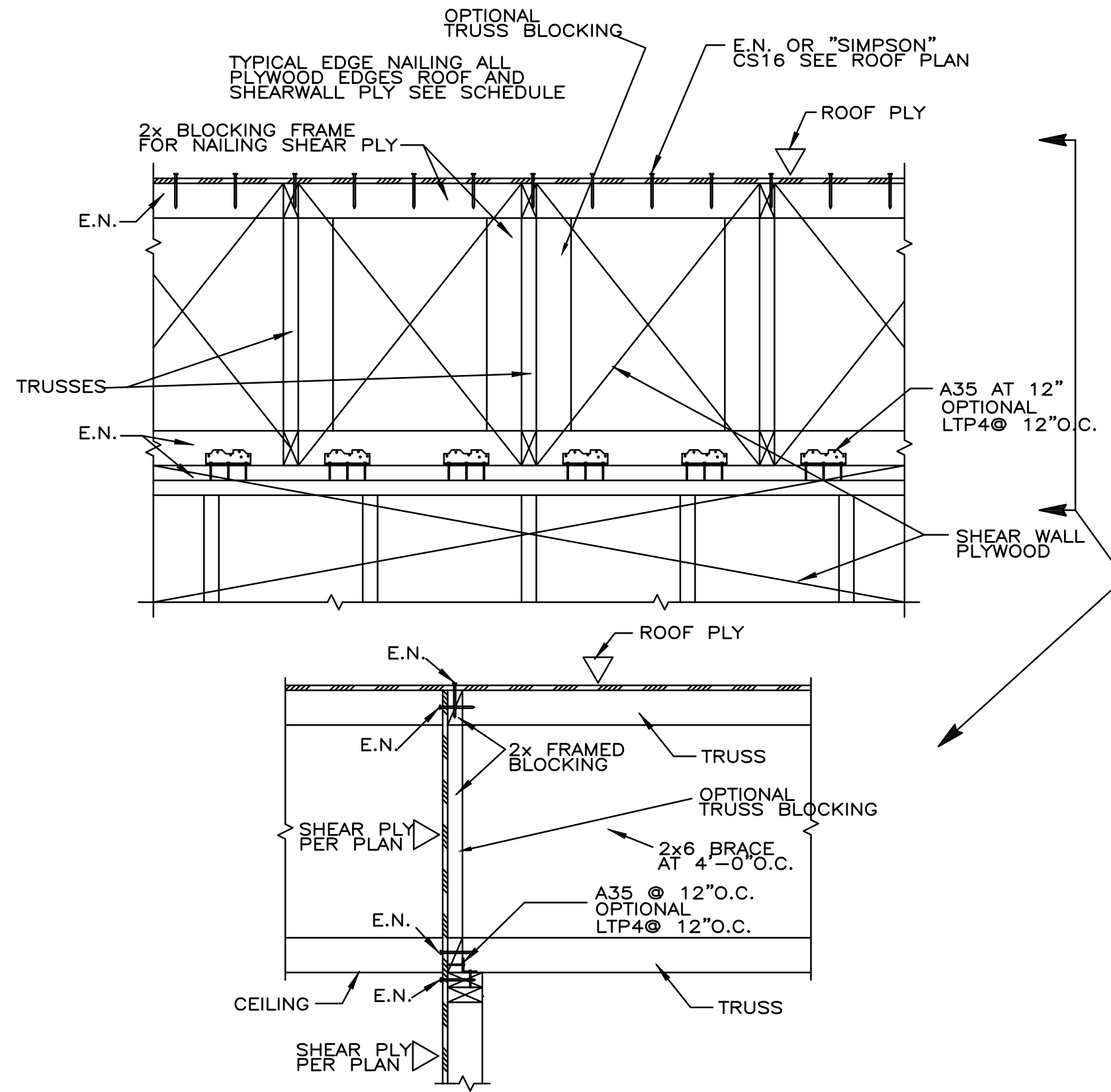
REVISION DATE 12/18/09

DATE 3/11/2010  
 DRAWN A.F.

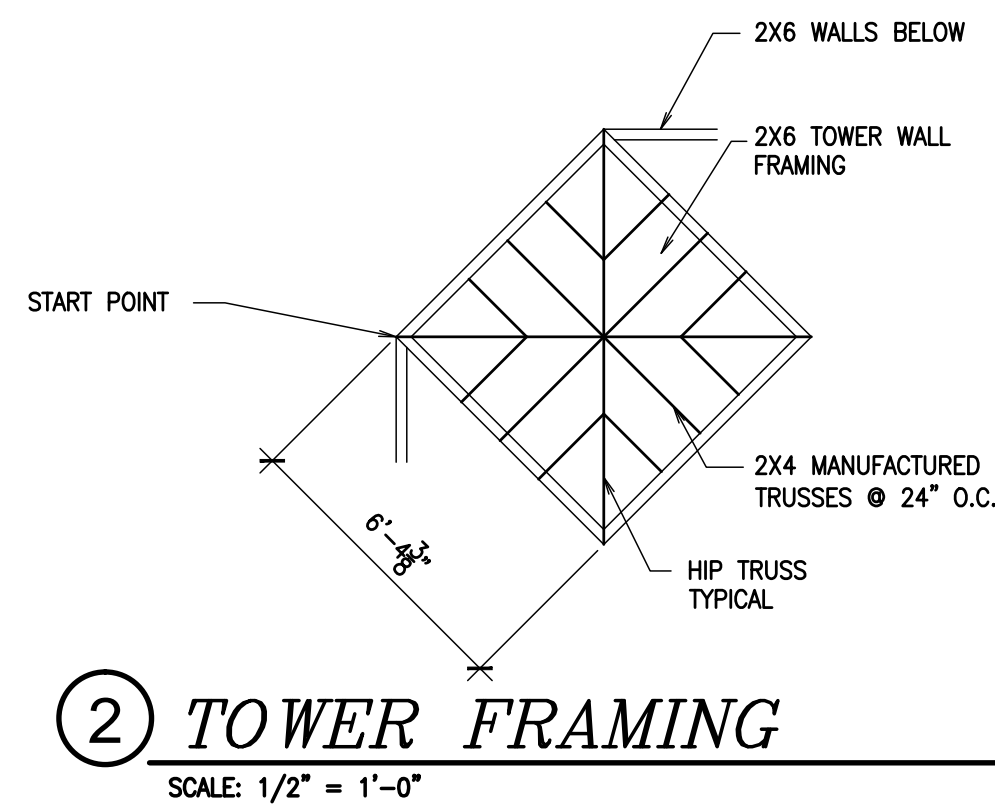
FOUNDATION FLOOR PLAN - DETAILS  
 PROPOSED CONVENIENCE STORE FOR:  
 WILLIES MARKET  
 680 N. ELWOOD AVE  
 LINDSAY, CA

JOB NO. C09-057  
 SHEET NO.

A-7  
 SHEET 7 OF 10

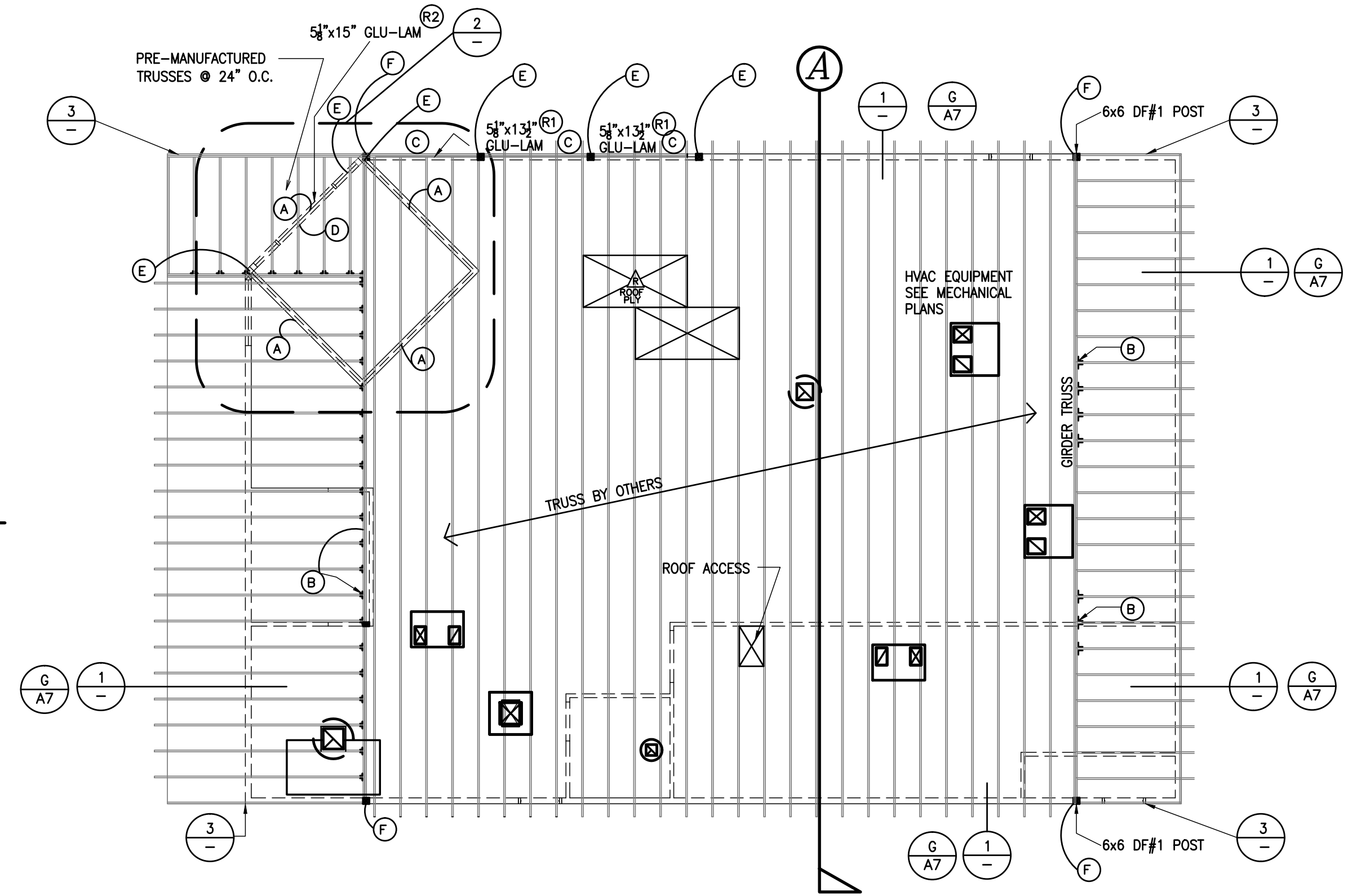


**1 SECTION**  
SCALE: 1/2" = 1'-0"



**2 TOWER FRAMING**  
SCALE: 1/2" = 1'-0"

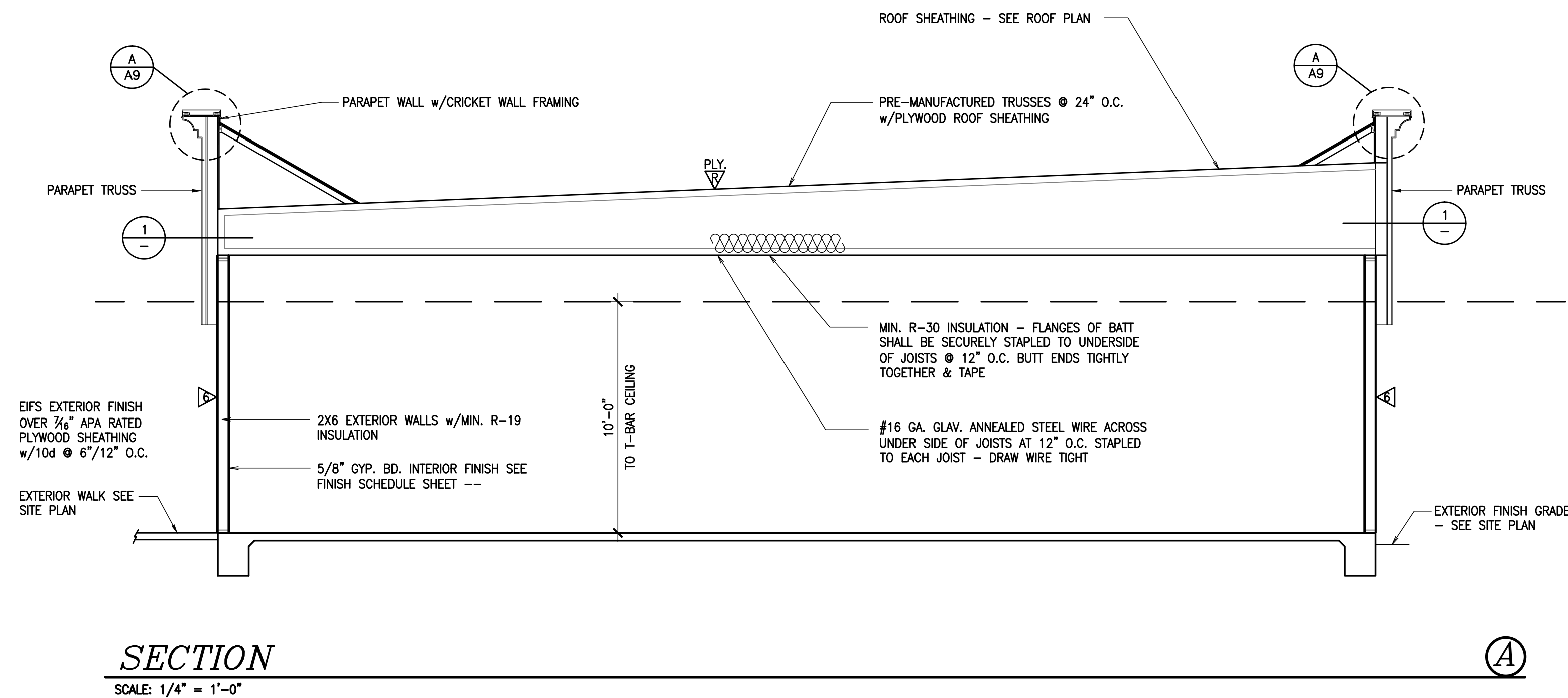
- ROOF FRAMING NOTES:**
- SHEATH ENTIRE ROOF WITH A.P.A. RATED SHEATHING (ORIENTED STRAND BOARD OR PLYWOOD). UNLESS NOTE OTHERWISE, USE 1/2" NOMINAL THICKNESS (3/8" MINIMUM THICKNESS) USE C-D GRADE, SPAN RATING 3/8", 5 PLY. INSTALL SHEATHING WITH LONG DIMENSION PERPENDICULAR TO JOISTS. STAGGER JOINTS PER ROOF FRAMING PLAN.
  - MANUFACTURER'S TJI ROOF JOIST ENGINEERING SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO INSTALLATION.
- DEAD LOAD: 25 PSF  
LIVE LOAD: 20 PSF (REDUCIBLE)
- TYPICAL ROOF SHEATHING NAILING (EXCEPT AS NOTED ON ROOF FRAMING PLAN).
- 104 @ 6" O.C. AT BUILDING PERIMETER  
104 @ 6" O.C. AT PANEL EDGES  
104 @ 12" O.C. FIELD NAILING TYPICAL
- ALL NAIL CALL-OUTS ARE FOR COMMON NAILS UNLESS NOTED OTHERWISE.



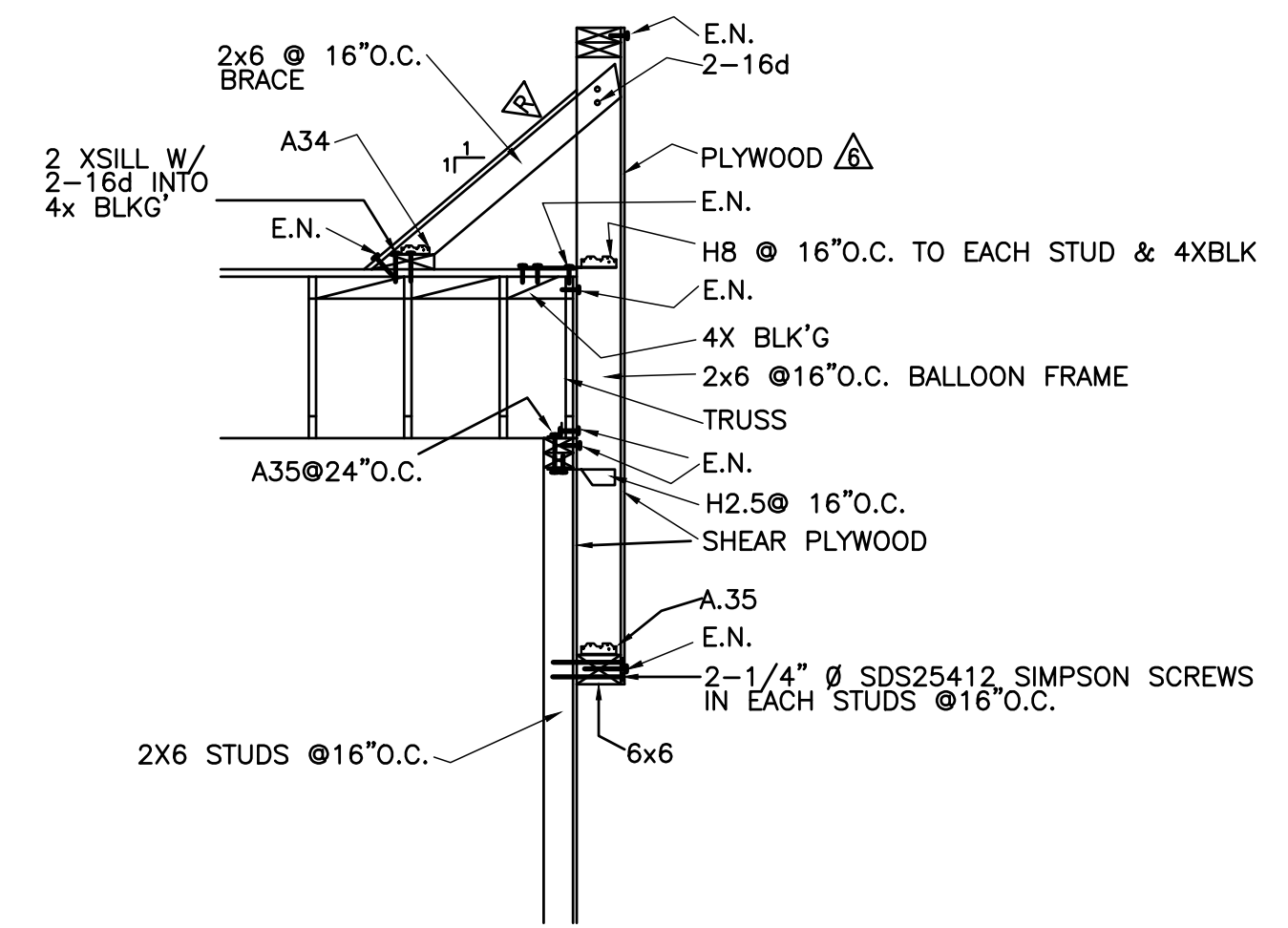
**ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

- (A) 4x BLOCKING BETWEEN TRUSSES UNDER TOWER TYP.
- (B) TRUSS HANGER BY TRUSS COMPANY
- (C) 5 1/8"x13 1/2" GLU-LAM 24F-V4 W/6x6 POST (X/A7)
- (D) 5 1/8"x15" GLU-LAM 24F-V4 W/6x6 POST (X/A7)
- (E) 6x6 POST
- (F) 6x6 POST UNDER GIRDER TRUSS ABOVE

**TRUSS COMPANY INFO:**  
TRI-K TRUSS COMPANY  
MARK HILLE  
461 S. MAIN STREET,  
PORTERVILLE, CA  
93257  
(559)-784-8511

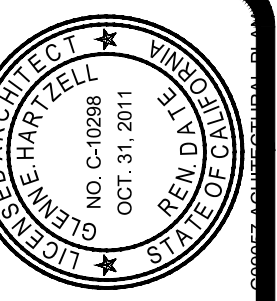


**SECTION**  
SCALE: 1/4" = 1'-0"



**3 SECTION**  
SCALE: N.T.S. TRUSS PARALLEL TO POP OUT

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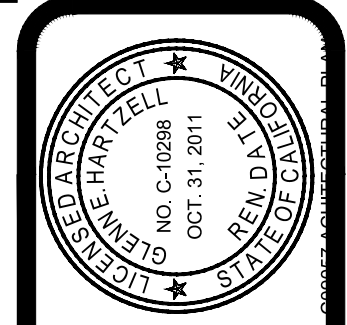
**Glenn Hartzell-Architect**  
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ARCHITECT C-10298

REVISION DATE 12/18/09  
DATE 3/11/2010  
DRAWN A.F.  
ROOF PLAN - ROOF FRAMING PLAN  
PROPOSED CONVENIENCE STORE FOR:  
WILLIES MARKET  
600 N. ELWOOD AVE  
LINDSAY, CA

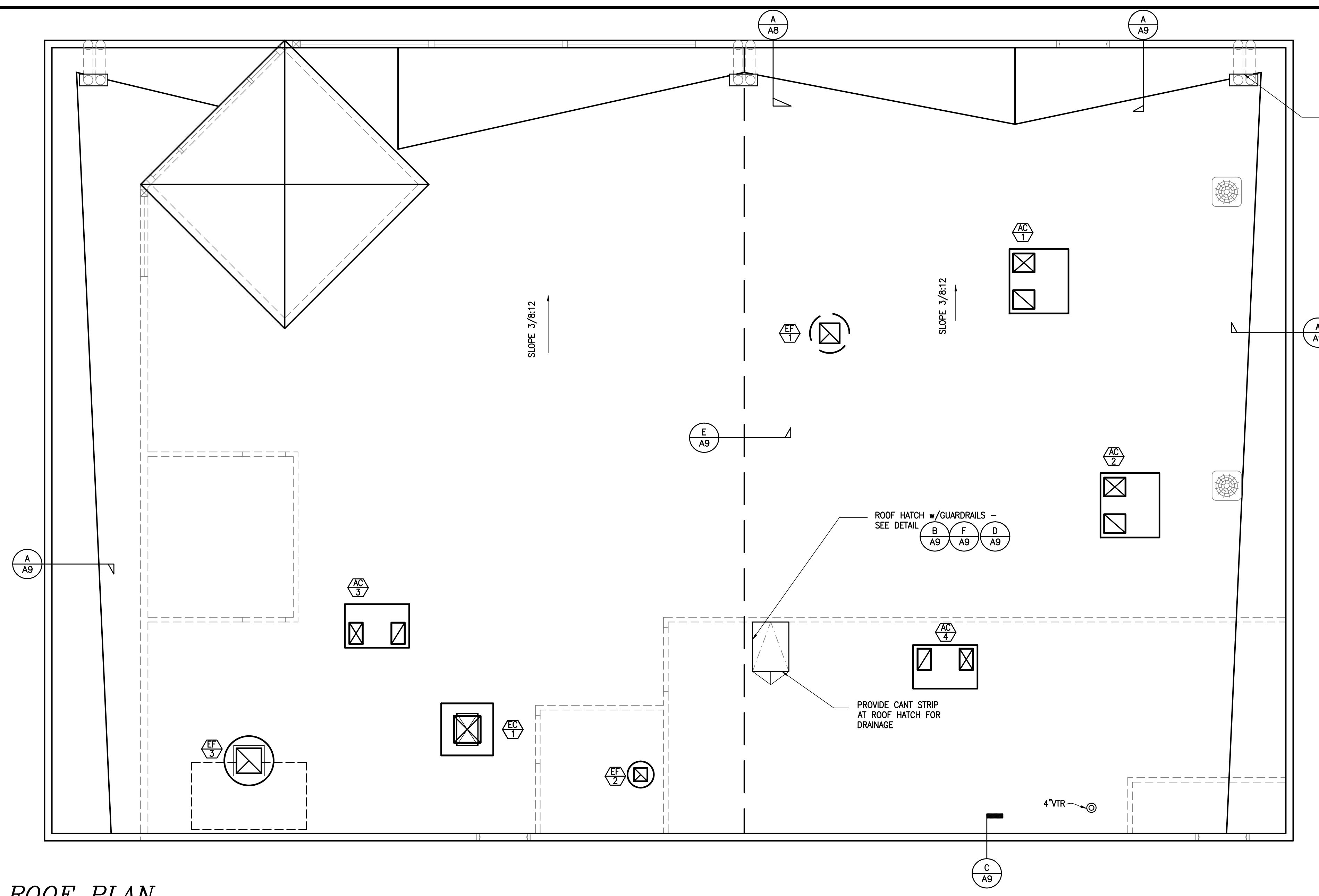
JOB NO. C09-057  
SHEET NO.

A-8  
SHEET 8 OF 10





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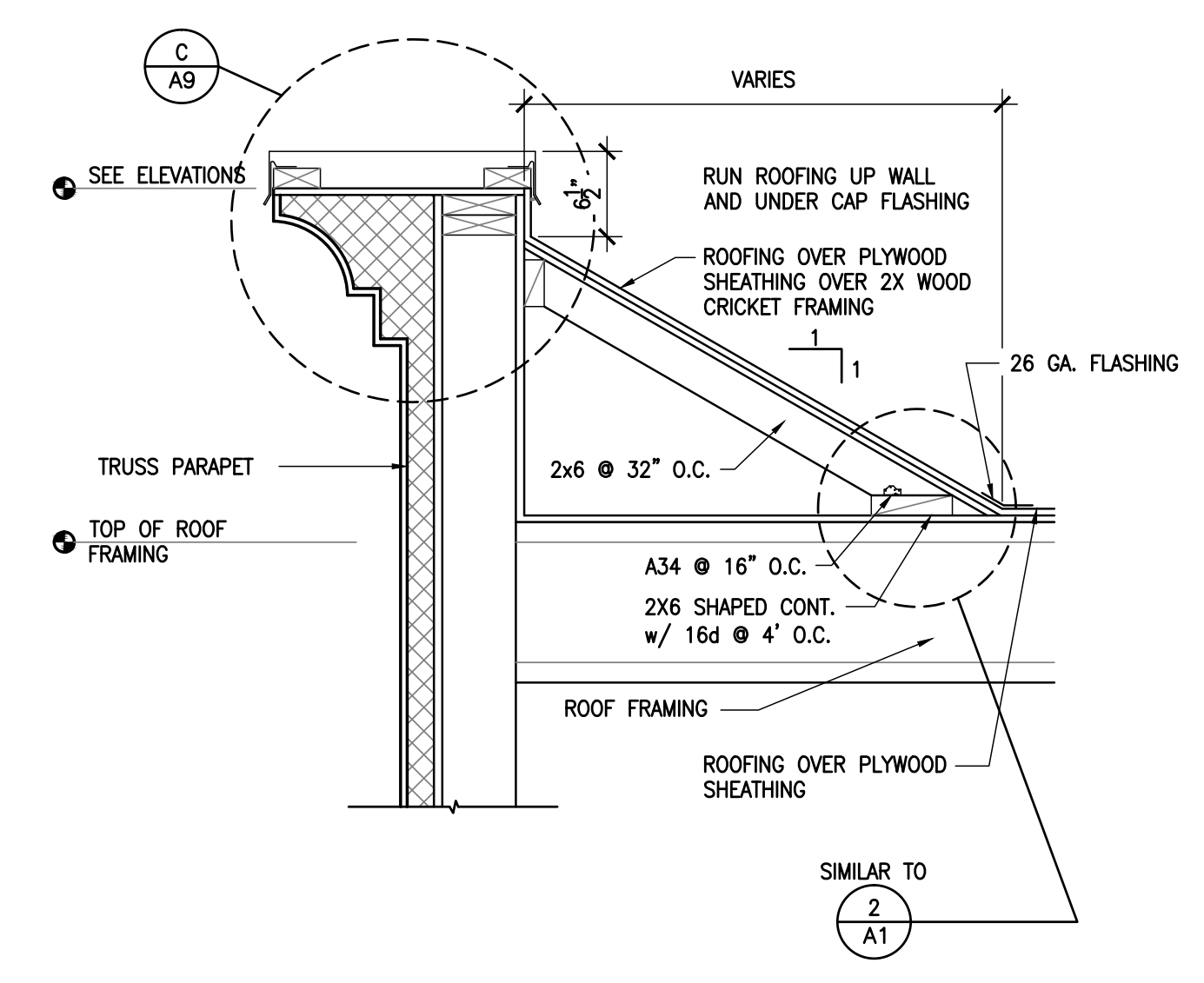


**ROOF PLAN**  
 SCALE: 1/4" = 1'-0"

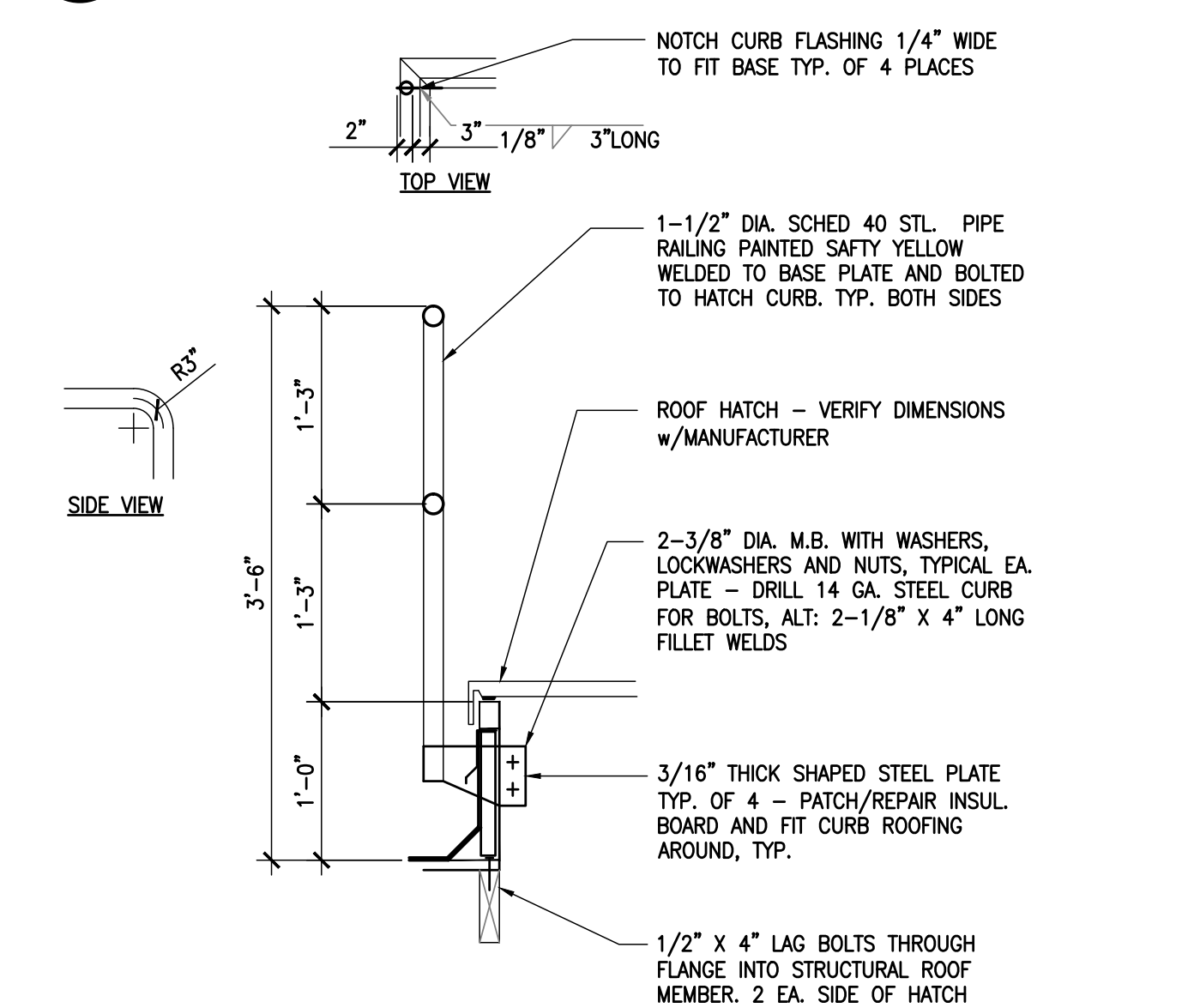
ROOF DRAIN TO 3" DRAIN IN WALL - OFFSET TO CLEAR FRAMING AS REQUIRED AND PROVIDE OULET IN WALL 1" CONC. CURB

ROOFING MATERIAL SHALL BE #601 HIGH PERFORMANCE PREMIUM SBS CAP SHEET WITH POLYGLASS MAT WITH A #802 ACRYLIC FINISH COAT AS MANUFACTURED BY MALARKEY ROOFING PRODUCTS, OR AN ENGINEER APPROVED EQUAL. FOR BUILT-UP ROOFING SYSTEMS, CONTRACTOR SHALL COMPLY WITH HANDLING, STORAGE, APPLICATION AND ALL OTHER APPLICABLE REQUIREMENTS PER MANUFACTURER AND GUIDELINES.

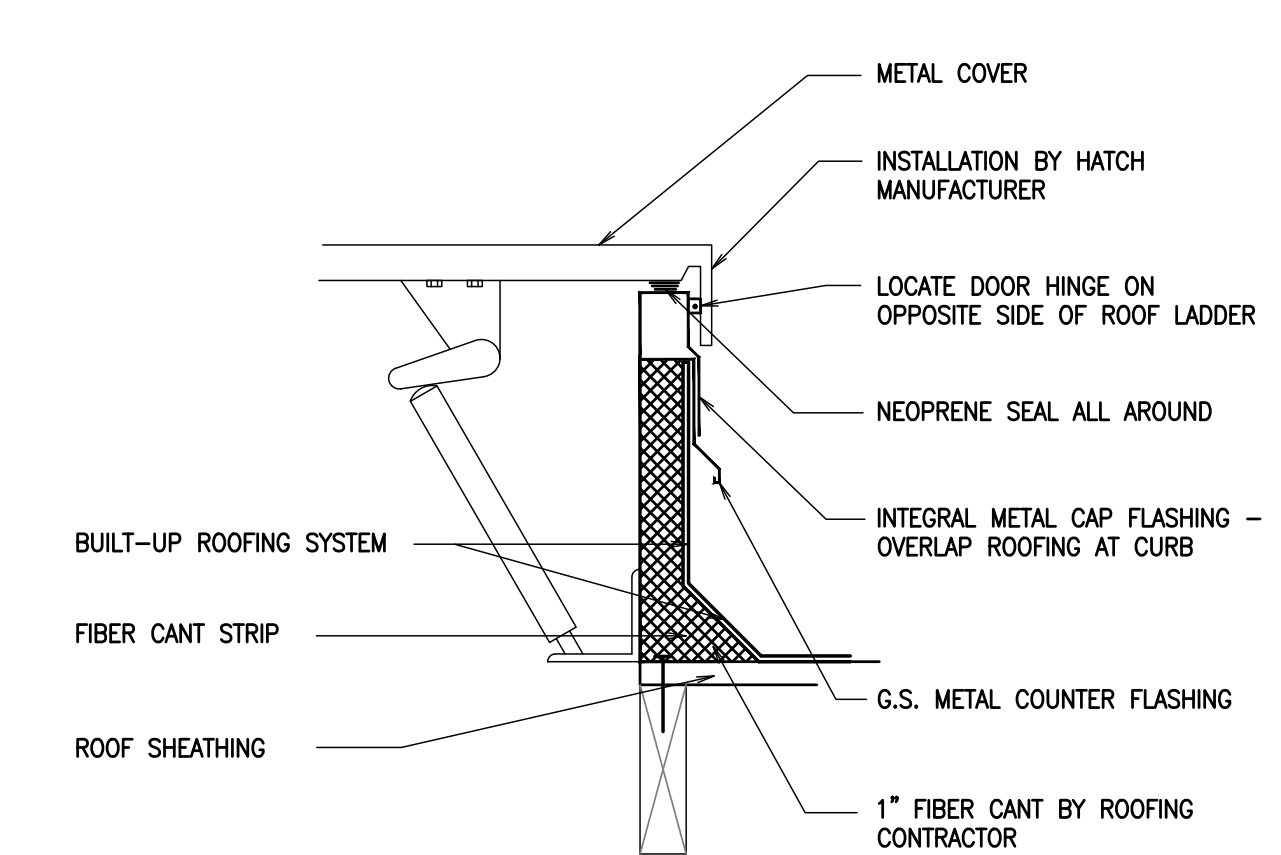
**COOL ROOFING NOTES:**  
 ROOF PRODUCT SHALL HAVE AN INITIAL THERMAL EMITTANCE GREATER THAN OR EQUAL TO 0.75 WHEN TESTED IN ACCORDANCE WITH CRRC-1 AND A MINIMUM INITIAL SOLAR REFLECTANCE OF 0.70 WHEN TESTED IN ACCORDANCE WITH CRRC-1



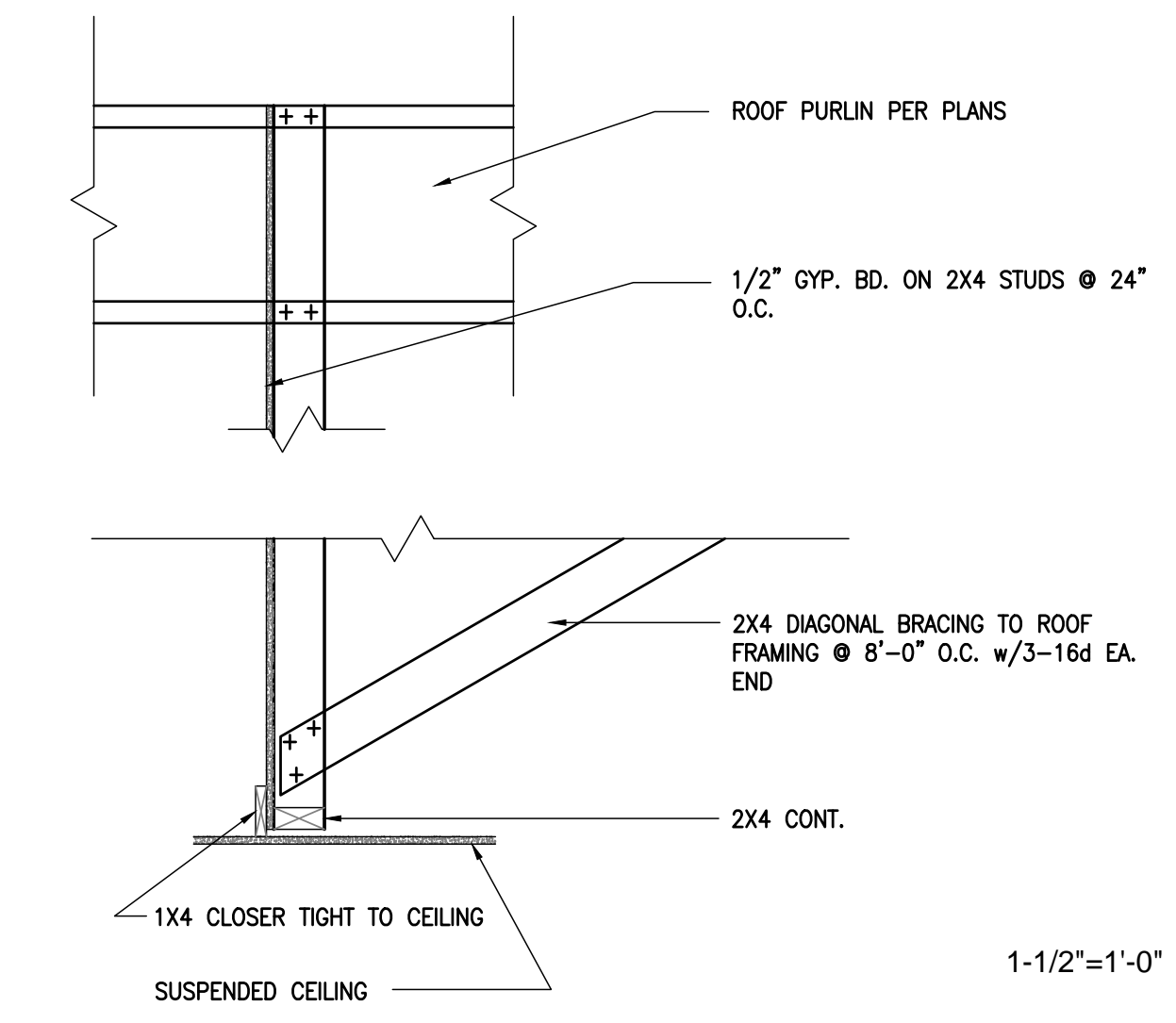
**A CRICKET FRAMING** 1"=1'-0"



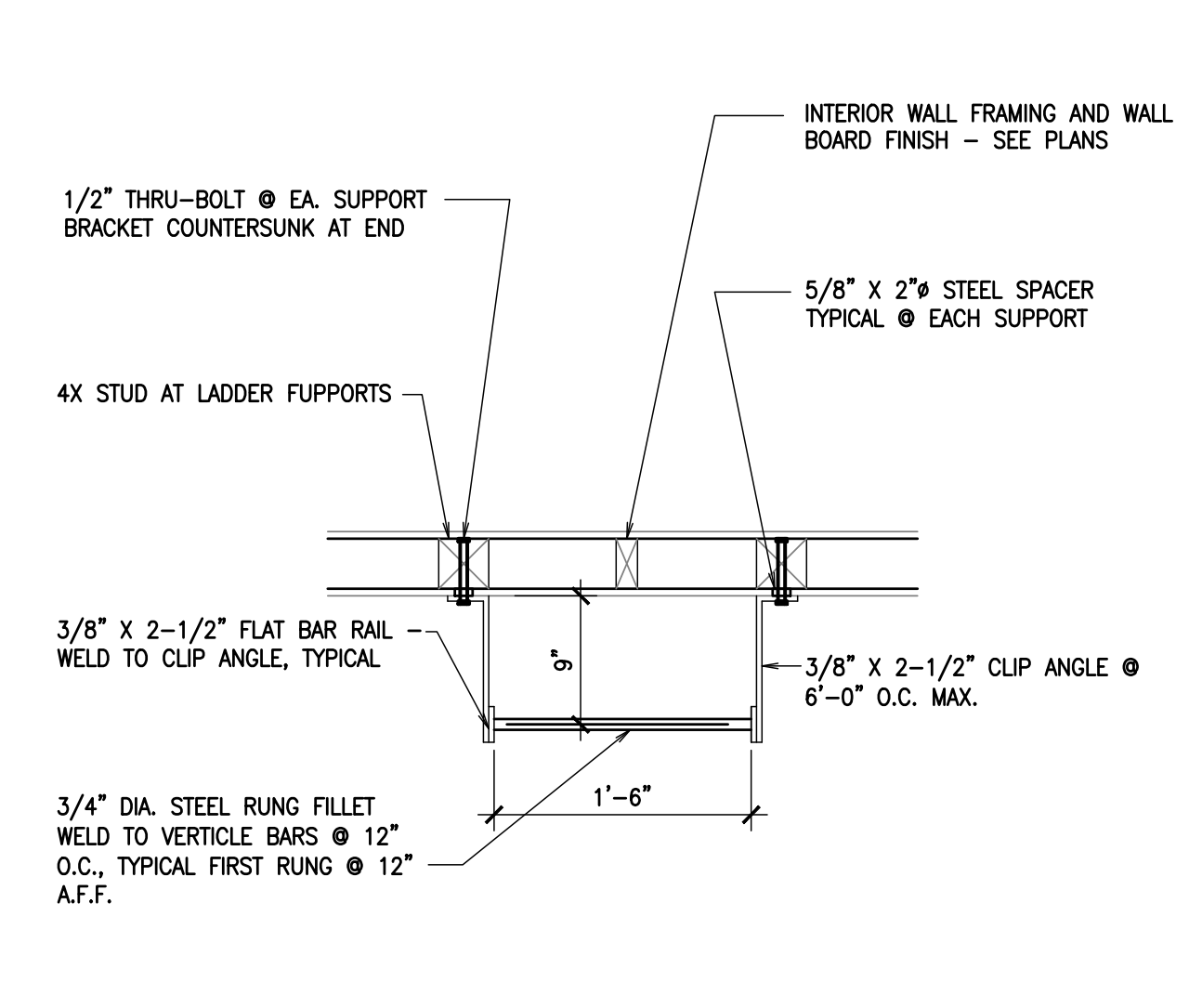
**B ROOF ACCESS GUARDRAIL** N.T.S.



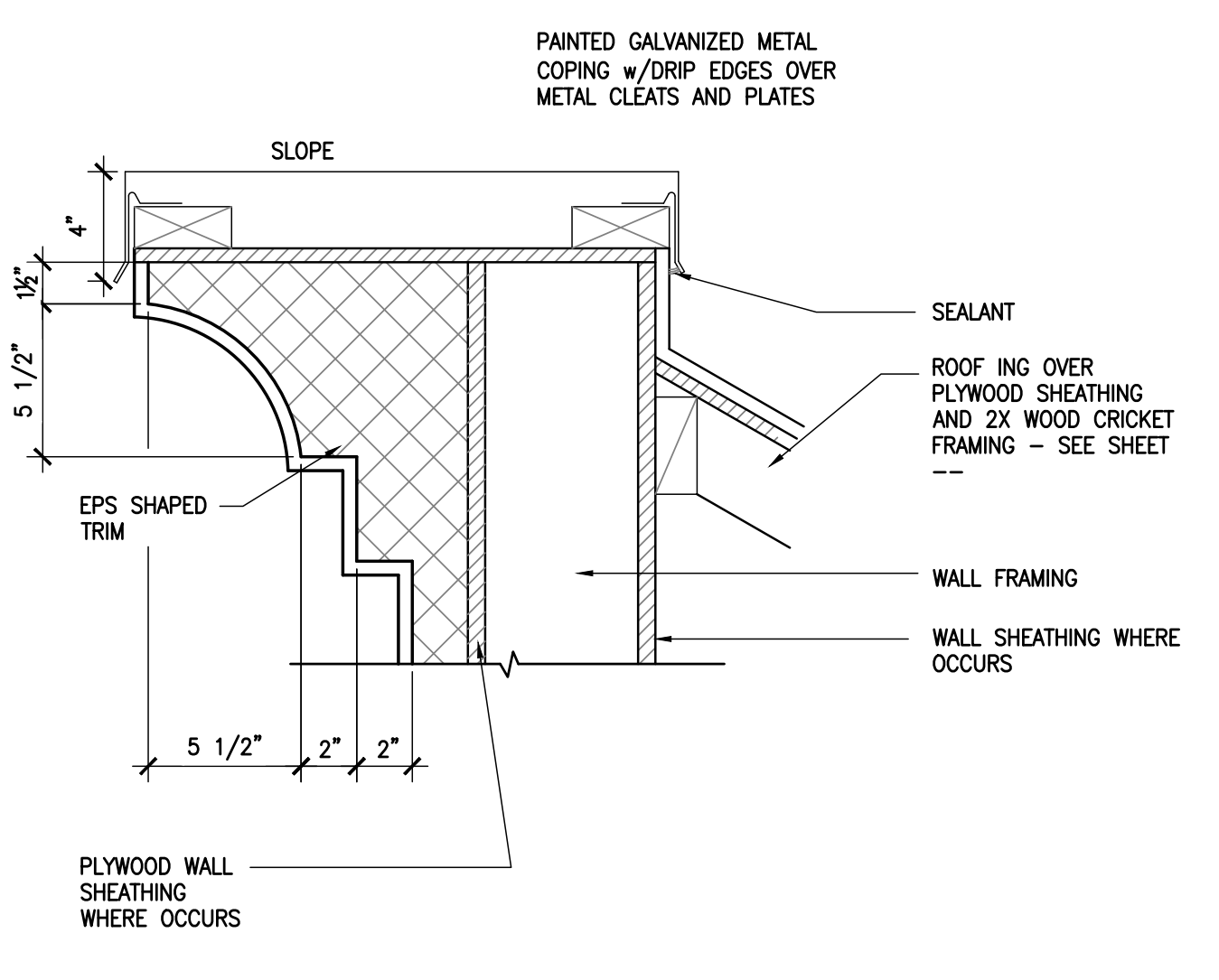
**F ROOF HATCH** 1-1/2"=1'-0"



**E DRAFT STOP** 1-1/2"=1'-0"



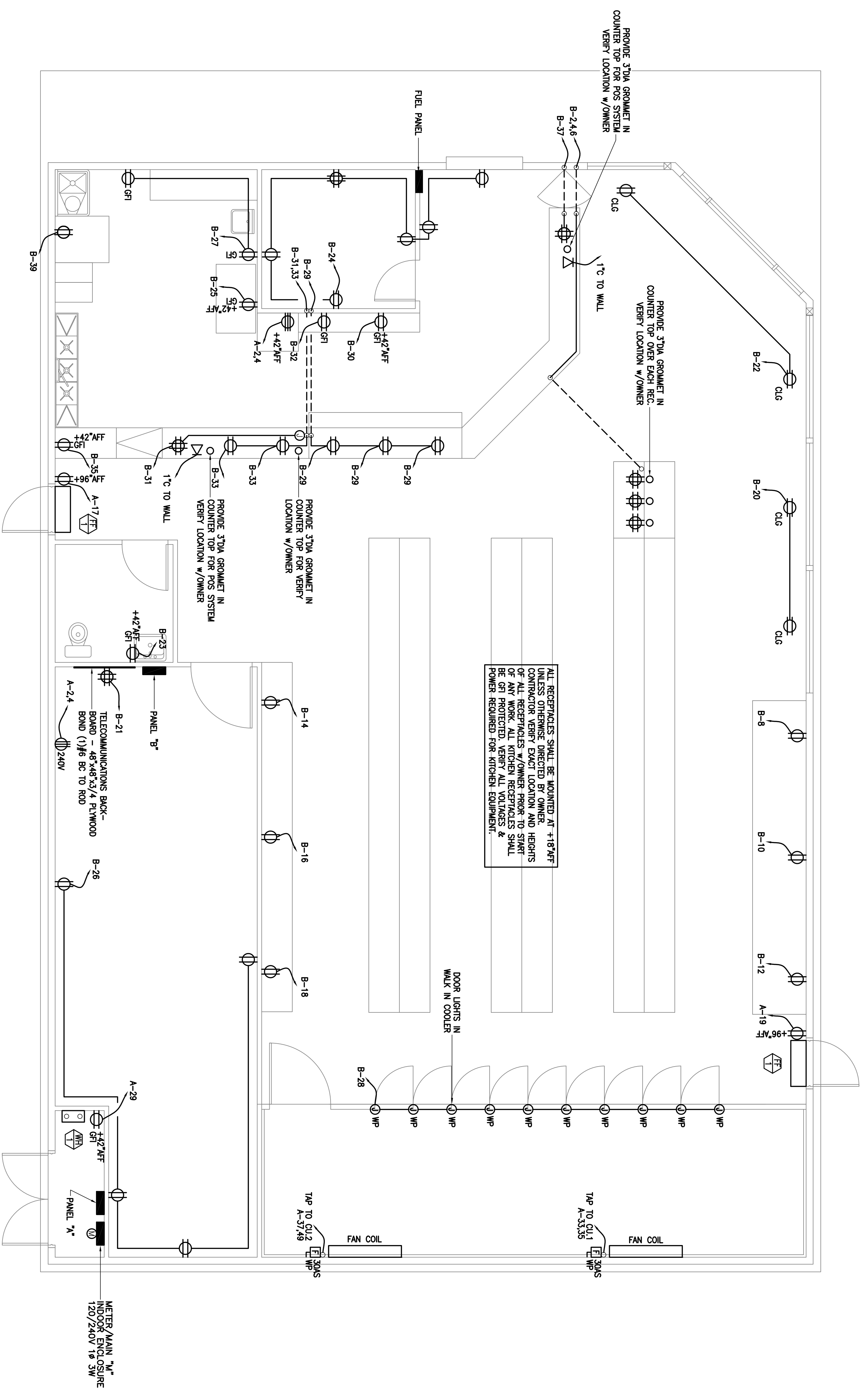
**D ROOF HATCH ACCESS LADDER** 1-1/2"=1'-0"



**C TRIM DETAIL** N.T.S.

REVISION	DATE	12/18/09
DATE	3/11/2010	
DRAWN	A.F.	
<b>PROPOSED CONVENIENCE STORE FOR:</b> WILLIES MARKET 680 N. ELWOOD AVE LINDSAY, CA		
JOB NO.	C09-057	
SHEET NO.	A-9	
SHEET 9 OF 10		



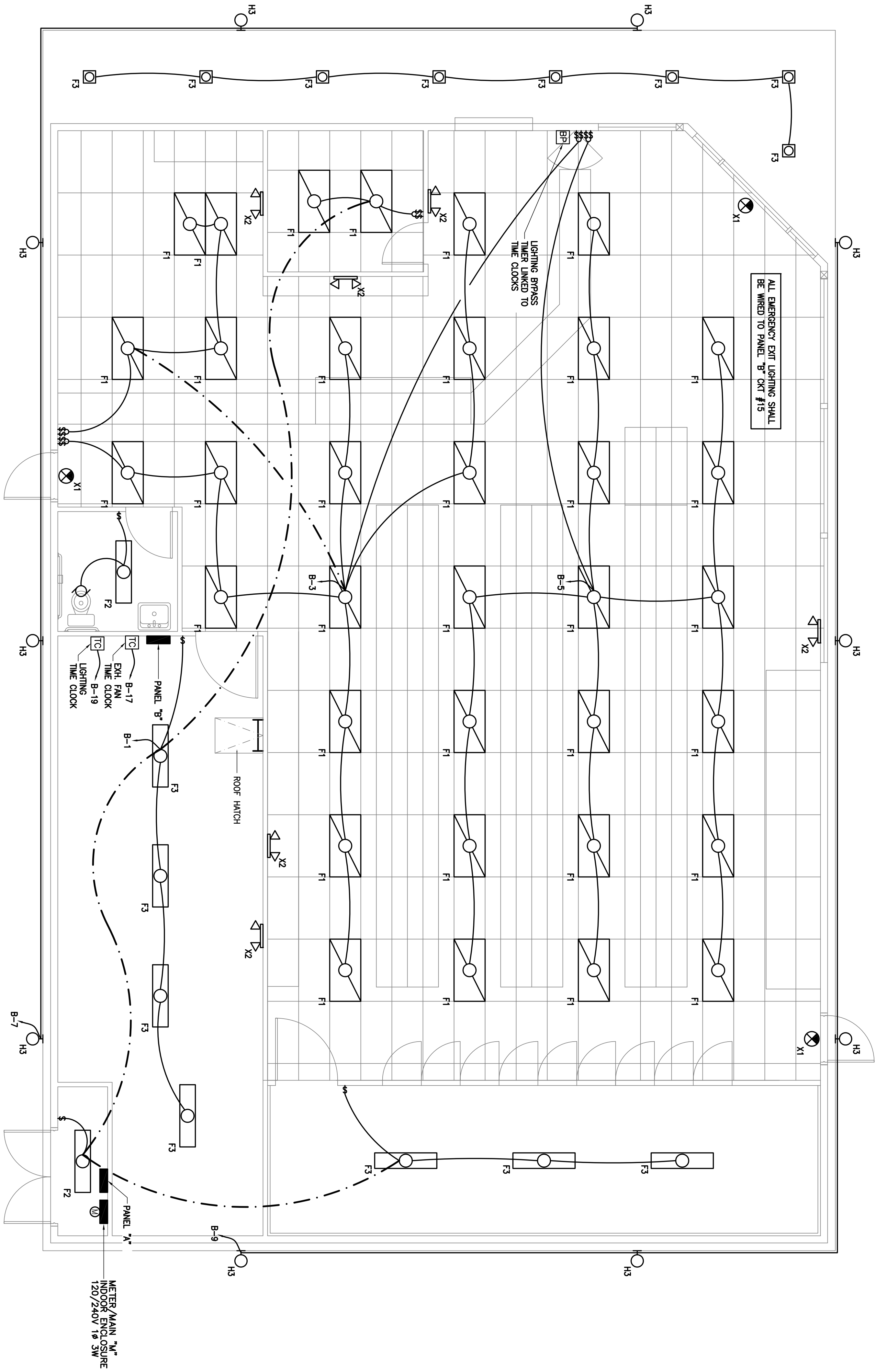


ALL RECEPTACLES SHALL BE MOUNTED AT +18" AFF UNLESS OTHERWISE DIRECTED BY OWNER. CONTRACTOR VERIFY EXACT LOCATION AND HEIGHTS OF ALL RECEPTACLES W/OWNER PRIOR TO START OF ANY WORK. ALL KITCHEN RECEPTACLES SHALL BE POWERED FROM THE KITCHEN EQUIPMENT. POWER REQUIRED FOR KITCHEN EQUIPMENT.

**ELECTRICAL POWER PLAN**

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

<b>E-2</b> SHEET 2 OF 5	JOB NO. <b>C09-057</b>	ELECTRICAL POWER PLAN <b>PROPOSED CONVENIENCE STORE FOR:</b> WILLIES MARKET 690 N ELMWOOD AVE LINDSAY, CA	REVISION DATE DATE 12/22/2009 DRAWN A.F.	REVISION DATE DATE 12/18/09	<b>Glenn Hartzell-Architect</b> 1800 21st STREET, SUITE C BAKERSFIELD, CALIFORNIA 93301 ARCHITECT C-10298	(661) 324-5252 FAX (661) 324-8439	
	SHEET NO. <b>C09-057</b>	METER MAIN "3" RE 120/240V 1Ø 3W	TELECOMMUNICATIONS BACK- BOARD - 48"x48"x3/4" PLYWOOD BOND (1) #6 BC TO ROD A-24 240V	PANEL "B" A-21	FAN COIL TAP TO CU1,1 A-33,35 3ØMS	FAN COIL TAP TO CU1,2 A-37,49 3ØMS	DOOR LIGHTS IN WALK IN COOLER B-28 WP



**LIGHTING PLAN**

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

SHEET 3 OF 5

**E-3**

JOB NO. **C09-057**

SHEET NO.

ELECTRICAL LIGHTING PLAN

**PROPOSED CONVENIENCE STORE FOR:**

**WILLIES MARKET**  
 690 N ELMWOOD AVE  
 LINDSAY, CA

DATE 12/22/2009

REVISION DATE 12/18/09

DRAWN A.F.

DATE	REVISION
12/22/2009	DATE
12/18/09	DATE
A.F.	DRAWN

**Glenn Hartzell-Architect**

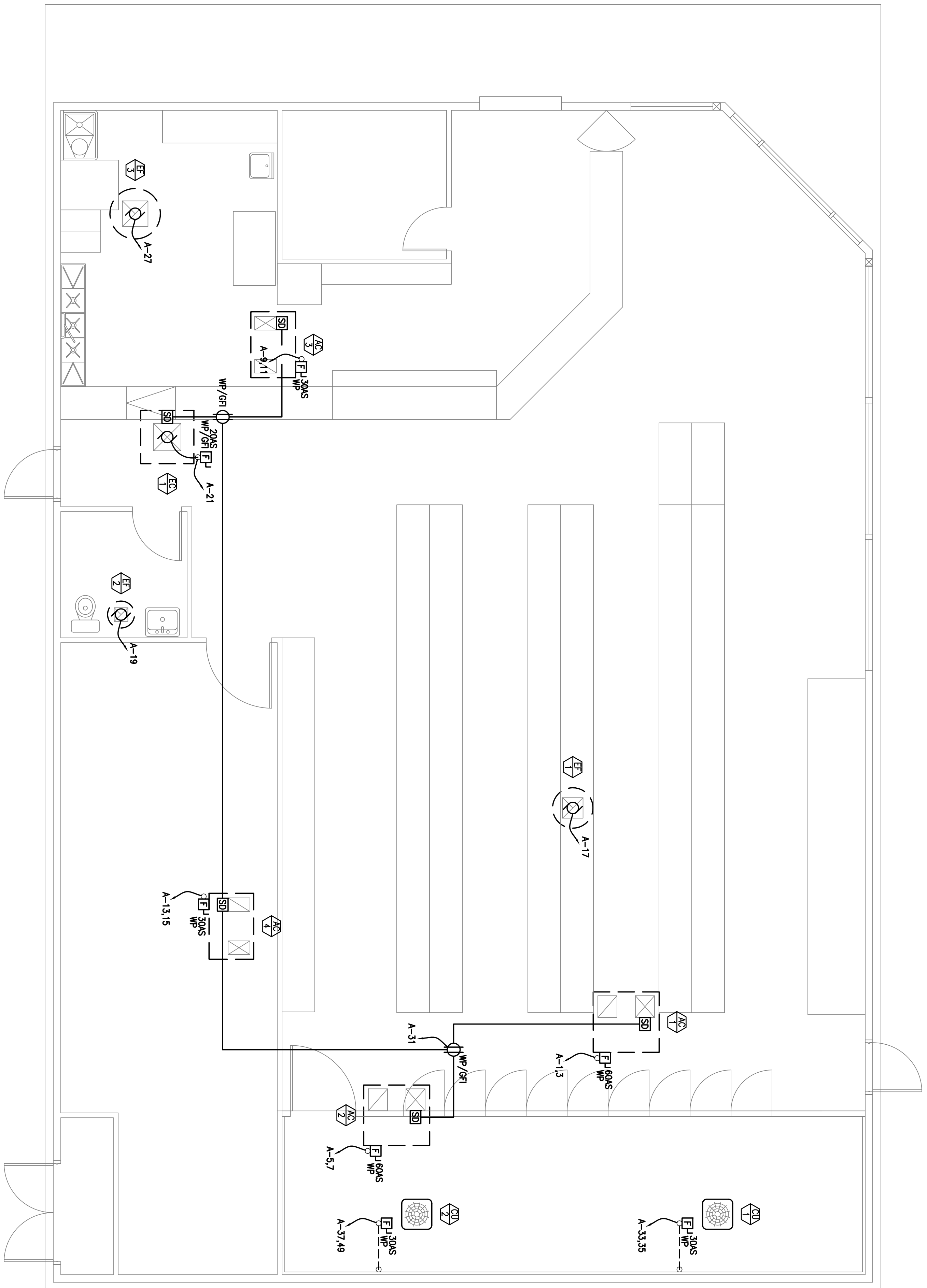
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 (661) 324-8439

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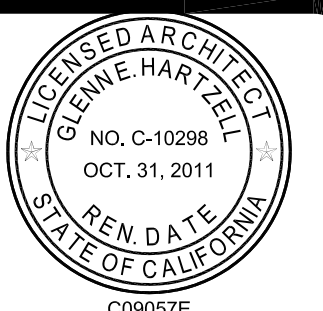
0000012

REGISTERED ARCHITECT  
 GLENN E. HARTZELL  
 NO. C-10298  
 OCT. 31, 2011  
 EXPIRES  
 STATE OF CALIFORNIA



**ELECTRICAL POWER ROOF PLAN**

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



**Glenn Hartzell-Architect**  
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 ARCHITECT C-10298

REVISION  
 DATE  
 12/18/09  
 DRAWN  
 A.F.

ELECTRICAL POWER ROOF PLAN  
**PROPOSED CONVENIENCE STORE FOR:**  
 WILLIES MARKET  
 690 N ELMWOOD AVE  
 LINDSAY, CA

JOB NO.  
**C09-057**

SHEET NO.

**E-4**

SHEET 4 OF 5

FUEL PANEL

BUS AMPS	100	MFR. C-HAMMER OR EQUAL	LOC. COUNTER	MTG. ---	MAIN AMPS ---
PHASE	---	WIRES	---	VOLTS 120/240V	FEEDER SEE 1-LINE
LOAD DATA BY PHASE					
PHASE A VOLT-AMPS	---	VA	---	AT TOP	AC RATING SERIES(VERIFY)
PHASE B VOLT-AMPS	---	VA	---	---	---
TOTAL DEMAND AMPS = --- VOLTS-AMPS + (PHASE VOLTAGE --- 240 --- VOLTS) = --- AMPS					

FUEL INLAND CONTRACTOR  
TO COMPLETE FOR  
AS BUILT

LIGHT FIXTURE SCHEDULE

TYPE	INPUT WANTS	DESCRIPTION AND MANUFACTURER	VOLTAGE: 120V (U.O.N.)
F1	105	LENSED TROFFER - 2'x4' - PRISMATIC LENS LAMP: (3)F32T8RS MANUFACTURER: DAVBRITE #20FCAL332-F501-120-1/21-EB-PVC-1W COMMERCIAL WWP AROUND - 1'x4' - PRISMATIC LENS	
F2	70	VOLTAGE: 120 LAMP: (2)F32T8RS MANUFACTURER: DAVBRITE #HM232-120-1/2-EB	
F3	35	6" DEEP CONE LENSED HORIZ. DOWNLIGHT - CLEAR GLASS LENS U.L. WET LABEL VOLTAGE: 120 LAMP: 32W R17 MANUFACTURER: GARDOL T08M1-175MH	
F4	70	VOLTAGE: 120 LAMP: (2)F32T8RS MANUFACTURER: DAVBRITE #WP232-120-1/2LT	
H1	480	POLE MOUNTED HIGH PERFORMANCE (1) LUMINAIRE SEGMENTED OPTICS - 20 FT SQUARE POLE - FINISH SELECTED BY OWNER LAMP: 400W MH MANUFACTURER: EMOO AVALIUM: AWA-2-3-400MH--	
H2	960	POLE MOUNTED HIGH PERFORMANCE (2) LUMINAIRES OPPOSING AT 90° SEGMENTED OPTICS - 20 FT SQUARE POLE - FINISH SELECTED BY OWNER VOLTAGE: 120 LAMP: 175W MH MANUFACTURER: GARDOL T08M1-175MH--	
H3	210	WALL FIX - QUARTER SPHERE CROCE STATE FORWARD WIDE THROW - FINISH SELECTED BY OWNER VOLTAGE: 120 LAMP: 175W MH MANUFACTURER: GARDOL T08M1-175MH--	
X1	20	SURFACE MOUNTED LED EXIT LIGHT WITH (2) HEAD EMERG PACK VOLTAGE: 120 LAMP: INCLUDED	
X2	20	SURFACE MOUNTED COUNTER EMERG LIGHT PKG WITH (2) HEADS 90 MINUTE BATTERY BACK-UP VOLTAGE: 120 LAMP: INCLUDED MANUFACTURER: MCPHILIBEN #C16	

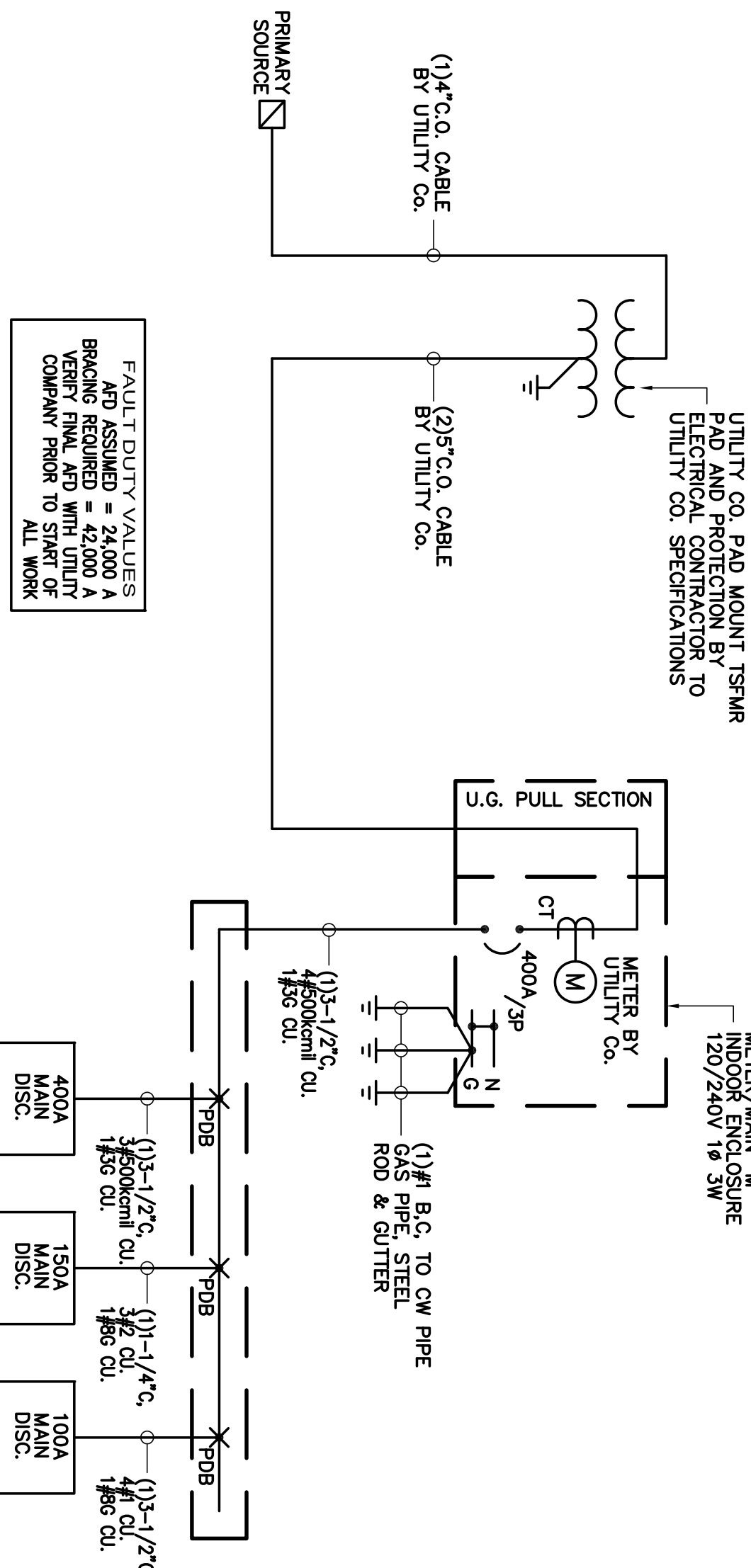
- 1) FIXTURES SHALL HAVE APPROPRIATE UL LABEL, DAMP, OR WET AS REQUIRED BY CODES AND ORDINANCES.
- 2) FIXTURES SHALL INCLUDE ALL ACCESSORIES NECESSARY FOR INSTALLATION ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND AS REQUIRED BY CODES AND LOCAL ORDINANCES.
- 3) PRIOR TO ORDERING ANY LIGHTING EQUIPMENT, THE CONTRACTOR SHALL COORDINATE ALL FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING CAVITY DEPTHS.
- 4) ALL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTURE SCHEDULE AND SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP AND BALLAST(S).
- 5) CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-RATED CEILING.
- 6) PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-RATED CEILING.
- 7) LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY HARDWARE AS REQUIRED BY THE SPECIFICATIONS, DRAWING, AND PROTECT CONDITIONS FOR A COMPLETE INSTALLATION.
- 8) ALL FIXTURES MUST BE ORDERED WITH APPROPRIATE BALLAST(S) THAT HAVE UL AND OEM LABELS. ALL BALLASTS SHALL CONFORM TO TITLE REQUIREMENTS FOR PERFORMANCE. PROVIDE MULTIPLE BALLASTS FOR DUAL-LEVEL SWITCHING AND WIRING (i.e. PARALLEL) AS INDICATED ON THE PLANS.
- 9) USE THE ENERGY STAR PROGRAM FOR LIGHTING FIXTURES. PROVIDE 30 HOURS SHALL OCCUR PRIOR TO THE ENERGIZING OF ALL NEW FIXTURES. PROVIDE 30 HOURS SHALL OCCUR PRIOR TO THE ENERGIZING OF ALL NEW FIXTURES. PROVIDE 30 HOURS SHALL OCCUR PRIOR TO THE ENERGIZING OF ALL NEW FIXTURES. PROVIDE 30 HOURS SHALL OCCUR PRIOR TO THE ENERGIZING OF ALL NEW FIXTURES.
- 10) ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE. PROVIDE END OF LIFE (EOL) SHUT-DOWN PROTECTION FOR COMPACT FLUORESCENT LAMPS.
- 11) ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS ESPECIALLY DIMMED SYSTEMS. FIXTURES, LAMPS, BALLAST(S), AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS MUST BE FACTORY CERTIFIED COMPATIBLE FOR FULL RANGE OF DIMMING COMPATIBILITY.
- 12) PROVIDE CLEARANCES FROM COMBUSTIBLES A MINIMUM OF 1/2" (OTHER THAN AT POINTS OF SUPPORT) AND 3" FROM INSULATION FOR RECESSED LIGHTING FIXTURES WHICH ARE NON-IC RATED.
- 13) PROVIDE A MINIMUM OF TWO (2) #12 SUPPORT WIRES ATTACHED TO BUILDING FRAME IN ADDITION TO T-BAR CLIPS FOR FLUORESCENT FIXTURES RECESSED IN SUSPENDED T-BAR CEILING.
- 14) ALL LIGHTING POLES 15 FEET AND LONGER SHALL BE COMPLETE WITH INTEGRAL PRE-INSTALLED FACTORY ENGINEERED DAMPING ASSEMBLY.

PANEL "A"

BUS AMPS	400	MFR. C-HAMMER OR EQUAL	LOC. HALL	MTG. SURFACE	MAIN AMPS 400
PHASE	1	WIRES	3	VOLTS 120/240V	FEEDER SEE 1-LINE
LOAD DATA BY PHASE					
PHASE A VOLT-AMPS	---	VA	---	AT TOP	AC RATING SERIES(VERIFY)
PHASE B VOLT-AMPS	---	VA	---	---	---
TOTAL DEMAND AMPS = 49551 VOLTS-AMPS + (PHASE VOLTAGE --- 240 --- VOLTS) = 206,46 AMPS					

PANEL "B"

BUS AMPS	200	MFR. C-HAMMER OR EQUAL	LOC. HALL	MTG. SURFACE	MAIN AMPS 150
PHASE	1	WIRES	3	VOLTS 120/240V	FEEDER SEE 1-LINE
LOAD DATA BY PHASE					
PHASE A VOLT-AMPS	---	VA	---	AT TOP	AC RATING SERIES(VERIFY)
PHASE B VOLT-AMPS	---	VA	---	---	---
TOTAL DEMAND AMPS = 20340 VOLTS-AMPS + (PHASE VOLTAGE --- 240 --- VOLTS) = 84,75 AMPS					



FAULT DUTY VALUES  
AND ASSUMED = 24,000 A  
BREAKING REQUIRED WITH  
UTILITY COMPANY PRIOR  
TO START OF  
ALL WORK

1 SINGLE LINE DIAGRAM

NTS

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ARCHITECT C-10298

REGISTERED ARCHITECT  
NO. C-10298  
OCT. 31, 2011  
RENEW DATE  
STATE OF CALIFORNIA

ONE LINE - FIXTURE SCHEDULE - PANEL SCHEDULE

PROPOSED CONVENIENCE STORE FOR:  
WILLIES MARKET  
690 N ELMWOOD AVE  
LINDSAY, CA

REVISION DATE: 12/18/09  
DATE: 12/22/2009  
DRAWN: A.F.

JOB NO. C09-057  
SHEET NO. 5 OF 5

MECHANICAL ABBREVIATIONS

Table with 3 columns: Abbreviation, Symbol, Description. Lists various mechanical terms like AIR CONDITION, AIR DAMPER, AIR FILTER, AIR GRILLE, etc.

SYMBOLS

Table with 3 columns: Abbreviation, Symbol, Description. Lists symbols for AIR CONDITION UNIT, AIR DAMPER, AIR FILTER, etc.

GENERAL MECHANICAL NOTES

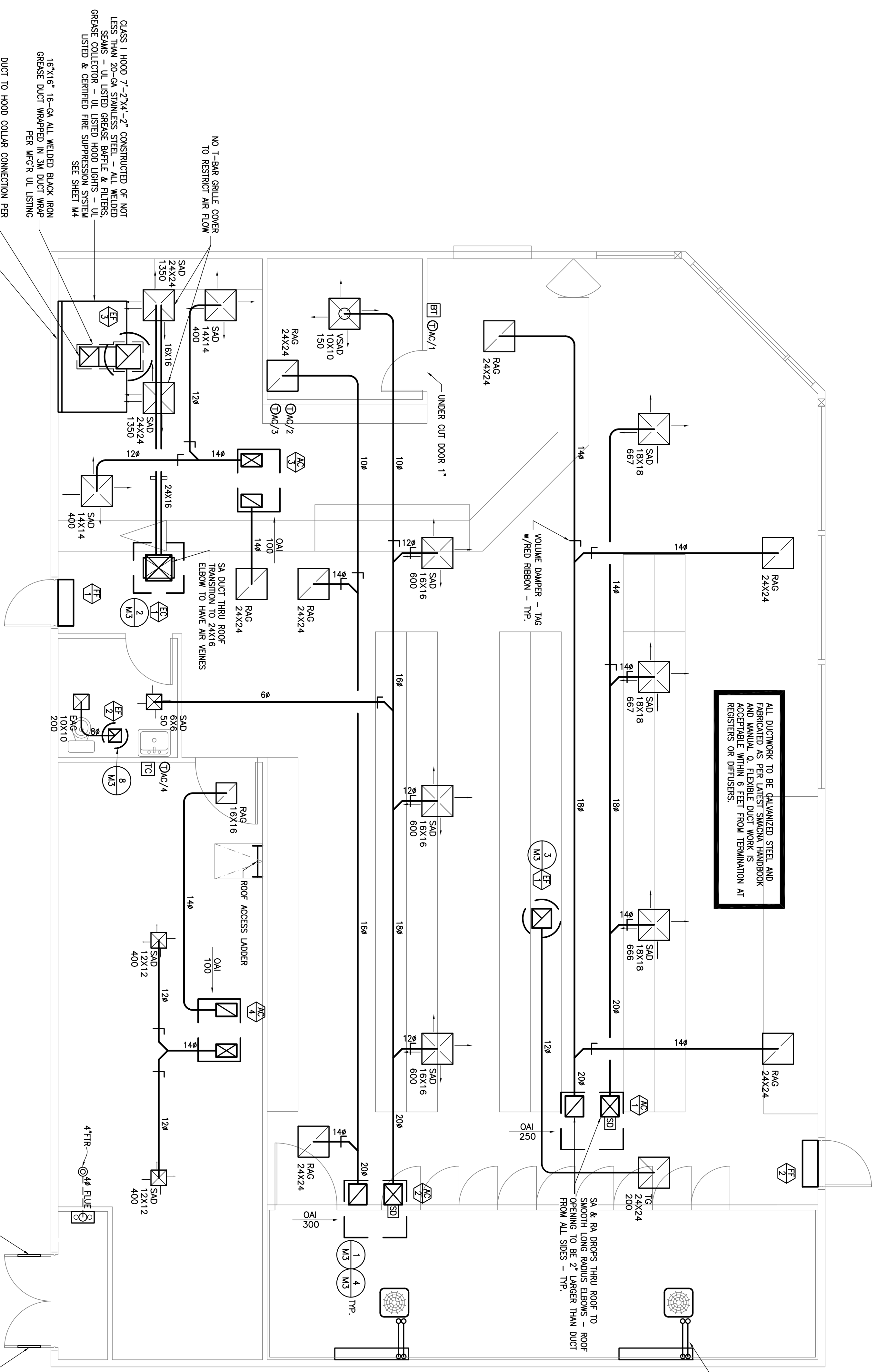
Main text area containing detailed notes under categories: SECTION 1 - BASIC MECHANICAL MATERIALS AND METHODS, PART 2 - PRODUCTS, PART 2 - PRODUCTS (continued), PART 3 - EXECUTION, PART 3 - EXECUTION (continued).



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BAKERSFIELD, CALIFORNIA 93301
ARCHITECT C-10298



M-1
JOB NO. C09-057
SHEET NO. 1 OF 4
MECHANICAL NOTES - SYMBOLS - ABBREVIATIONS
PROPOSED CONVENIENCE STORE FOR:
WILLIES MARKET
690 N ELMWOOD AVE
LINDSAY, CA
REVISION DATE: 12/18/09



ALL DUCTWORK TO BE GALVANIZED STEEL AND FABRICATED AS PER LATEST SMACNA HANDBOOK AND MANUAL. ALL FLEXIBLE DUCT WORK IS ACCEPTABLE WITHIN 6 FEET FROM TERMINATION AT REGISTERS OR DIFFUSERS.

CONDENSING UNIT & FAN COIL SELECTED BY MAKE-IN COORDINATION WITH MECHANICAL ENGINEER. SIZE & INSTALL LOADS & SUCION PRE PER MFR REC. - TYP.

### EQUIPMENT SCHEDULE

- 1. MARS 36" FLY FAN ABOVE DOOR - 120V 1/2 HP
- 2. INTERIOR DOOR SWITCH - 40 LBS
- 3. MARS 36" FLY FAN ABOVE DOOR - 120V 1/2 HP
- 4. INTERIOR DOOR SWITCH - 40 LBS
- 5. CHAMBER #59000 EVAPORATIVE COOLER - FIELD FABRICATED ANGLE IRON FRAME - ALL BELTS, PULLEYS, PUMPS & PANS INCLUDED FOR COMPLETE & WORKING UNIT - 1/2 HP 120V - 2700 CFM @ 0.5" SP - 315 LBS
- 6. GREENHECK #88-081 ROOF TOP DOWN BLAST EXHAUST FAN - FACTORY CURB - 1/2 HP 120V - 550 CFM @ 0.75" SP - 58 LBS
- 7. GREENHECK #QUE-075-G ROOF TOP UP BLAST EXHAUST FAN - FACTORY CURB - 1/25 HP 120V - 200 CFM @ 0.375" SP - 29 LBS
- 8. GREENHECK #USER-180-15 ROOF TOP UP BLAST EXHAUST FAN - UL LISTED FOR GREASE - VENTED ROOF CURB - GREASE CUP - 1-1/2 HP 120V 3000 CFM @ 1.25" SP - 190 LBS
- 9. NOM 5. TON - CARRIER #A8EN06090311TP SINGLE-PACKAGE ROOFTOP UNIT ELECTRIC COOLING & GAS HEATING - 2000 CFM @ 0.6" ESP - BELT DRIVE - FACTORY CURB - 90000 BTUH INPUT & 73000 BTUH OUTPUT 36.3 FLA @ 240V/1ph - 465 LBS
- 10. NOM 5. TON - CARRIER #A8EN06090311TP SINGLE-PACKAGE ROOFTOP UNIT ELECTRIC COOLING & GAS HEATING - 2000 CFM @ 0.6" ESP - BELT DRIVE - FACTORY CURB - 90000 BTUH INPUT & 73000 BTUH OUTPUT 36.3 FLA @ 240V/1ph - 465 LBS
- 11. NOM 2 TON - CARRIER #A8EN02404031TP SINGLE-PACKAGE ROOFTOP UNIT ELECTRIC COOLING & GAS HEATING - 800 CFM @ 0.6" ESP - BELT DRIVE - FACTORY CURB - 40000 BTUH INPUT & 32000 BTUH OUTPUT 18.5 FLA @ 240V/1ph - 330 LBS
- 12. ELECTRIC COOLING & GAS HEATING - 800 CFM @ 0.6" ESP - BELT DRIVE - FACTORY CURB - 40000 BTUH INPUT & 32000 BTUH OUTPUT 18.5 FLA @ 240V/1ph - 330 LBS

### REGISTERS SCHEDULE

- 1. SAO - SUPPLY AIR
- 2. VSAD - SUPPLY VARIABLE AIR
- 3. OAL - CEILING DIFFUSER
- 4. RAG - RETURN AIR
- 5. BEG - BEILING REGISTER
- 6. EAG - EXHAUST AIR
- 7. CEL - CEILING REGISTER

### OUTSIDE AIR INTAKE CALCULATION

EQUIPMENT ID	ZONE	AREA (SQ FT)	OCCUPANCY	MIN. OAI (CFM)	GEN. OAI (CFM)
AC/2	STORE FRONT	1034	290	300	300
AC/2	STORE & OFFICE	1255	282	300	300
AC/2	STORAGE	545	89	100	100

### HOOD CALCULATION & AIR BALLANE

DEFINITIONS	AIR BALANCE IN KITCHEN
A = HORIZ. AREA OF HOOD, IN SQUARE FEET	CLASS 1 HOOD
B = DIST. FROM HOOD TO EXHAUST, IN FEET PER MINUTE	MAKEUP AIR
C = HOOD OPENING PERIMETER, IN FEET	REMAINDER FOR HVAC
D = DISTANCE BETWEEN HOOD & HOT SURFACE, IN FEET	
EQUATIONS FROM 2007 CMCA 508.4.1.3	
NUMBER OF EXPOSED SIDES FORMULA	
Q = 200PA	
3 OR LESS	
ALTERNATE Q = 100PA	
HOOD SIZING	
3 OR LESS EXPOSED SIDES 2014.1 2007 CMCA	
(7'-2"x4'2") x 100 = 3000 CFM	

### COMBUSTION AIR CALCULATION

DEFINITIONS	AIR CHANGE PER HOUR (ACH)	MIN. INPUT IN BTUH (b)	FAN ASSISTED APPLIANCE INPUT IN BTUH (f)
AIR CHANGE PER HOUR (ACH)			
MIN. INPUT IN BTUH (b)			
FAN ASSISTED APPLIANCE INPUT IN BTUH (f)			
EQUATION 201.2.1(6) 2007 CMCA			
CFM 2 (21 ft <sup>2</sup> / ACH) x (b / 1000 BTUH)			
EQUATION 201.2.1(6) 2007 CMCA			
CFM 2 (15 ft <sup>2</sup> / ACH) x (f / 1000 BTUH)			
COMBUSTION CALCULATIONS			
TWO PERMANENT OPENINGS METHOD 2014.1 2007 CMCA			
(150,000 BTUH x 1 in. <sup>2</sup> ) / (4,000 BTUH x 20%) = 188 in. <sup>2</sup>			
(188 in. <sup>2</sup> / 2.7) / 10 in. = 9.4 in.			
USE (2) 10"x10" w/ NO LESS THAN 80% FREE AREA			
(1) 12" FROM CEILING & (1) 12" FROM FINISH FLOOR			

### WATER HEATER SIZING CALCULATION

WATER HEATER SIZING	QTY. FIX. X G.P.H. EA.	G.P.H. MAX. POSSIBLE DEMAND
LAVATORY	1 @ 6 G.P.H. EA. = 6	166
KOP SINK	1 @ 20 G.P.H. EA. = 20	166
HAND SINK	1 @ 3 G.P.H. EA. = 3	166
3 COMP SINK	1 @ 90 G.P.H. EA. = 90	166
PREP SINK	1 @ 45 G.P.H. EA. = 45	166
TOTAL		166
G.P.H. =		2.77
OR G.P.M. =		63.0
(188 G.P.H. X 8.33 LBS PER GAL.) = 140,000 BTUH		
OR G.P.M. =		63.0
OR G.P.M. =		63.0
TOTAL G.C.L. MIN STORAGE REQUIRED		63.0

### MECHANICAL PLAN

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

CLASS 1 HOOD 7'-2"x4'-2" CONSTRUCTED OF NOT LESS THAN 20-GA STAINLESS STEEL - ALL WELDED SEAMS - UL LISTED GREASE BATTLE & FILTERS. GREASE FILTERS TO BE UL LISTED TYPE. FILTERS LISTED & CAPPED. FIRE SUPPRESSION SYSTEM SEE SHEET 144

16"x16" 16-GA ALL WELDED BLACK IRON GREASE DUCT WRAPPED IN 3M DUCT WRAP PER MFR R. UL LISTING

DUCT TO HOOD COLLAR CONNECTION PER CMCA 2007 510.0 SEE FIGURE 5-2

STAINLESS STEEL WALL SHIELD OFFSET 3" FROM WALL - TO FULL HEIGHT OF HOOD

REGISTERED PROFESSIONAL ARCHITECT  
 NO. 21188  
 GLENN HARTZELL  
 1800 21ST STREET, SUITE C  
 BAKERSFIELD, CALIFORNIA 93301  
 (661) 324-5252  
 FAX (661) 324-8439

DATE: 12/18/09  
 DRAWN: TDM  
 SHEET 2 OF 4

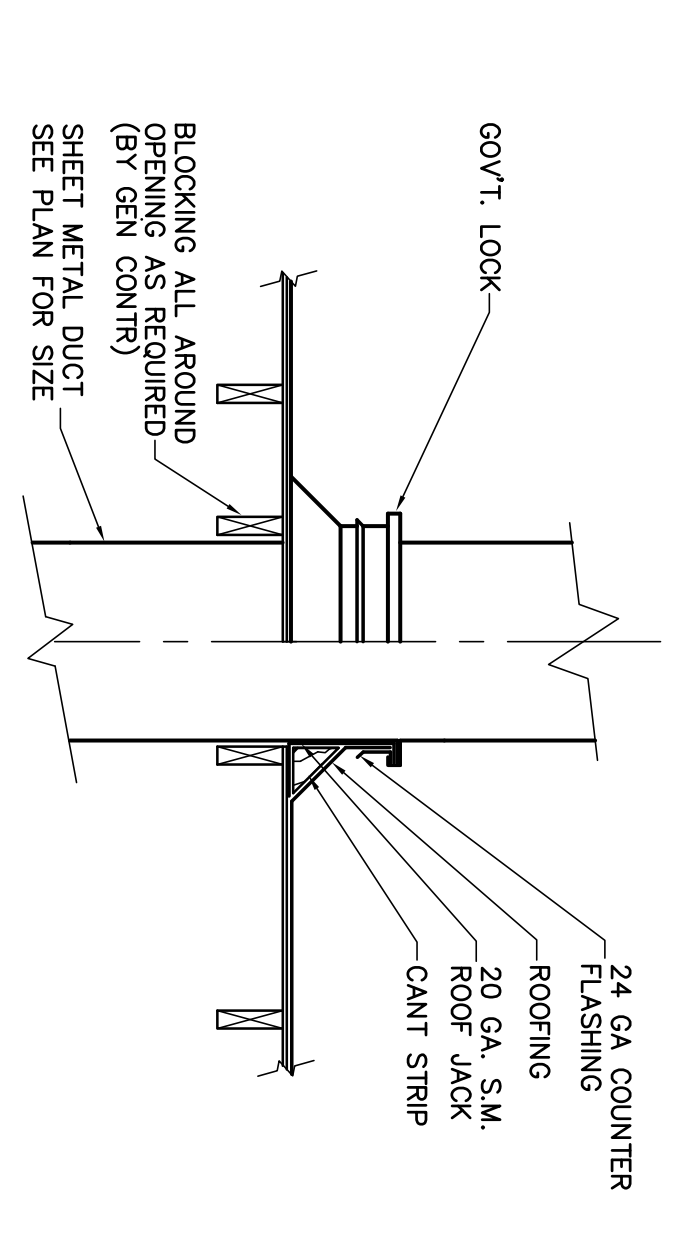
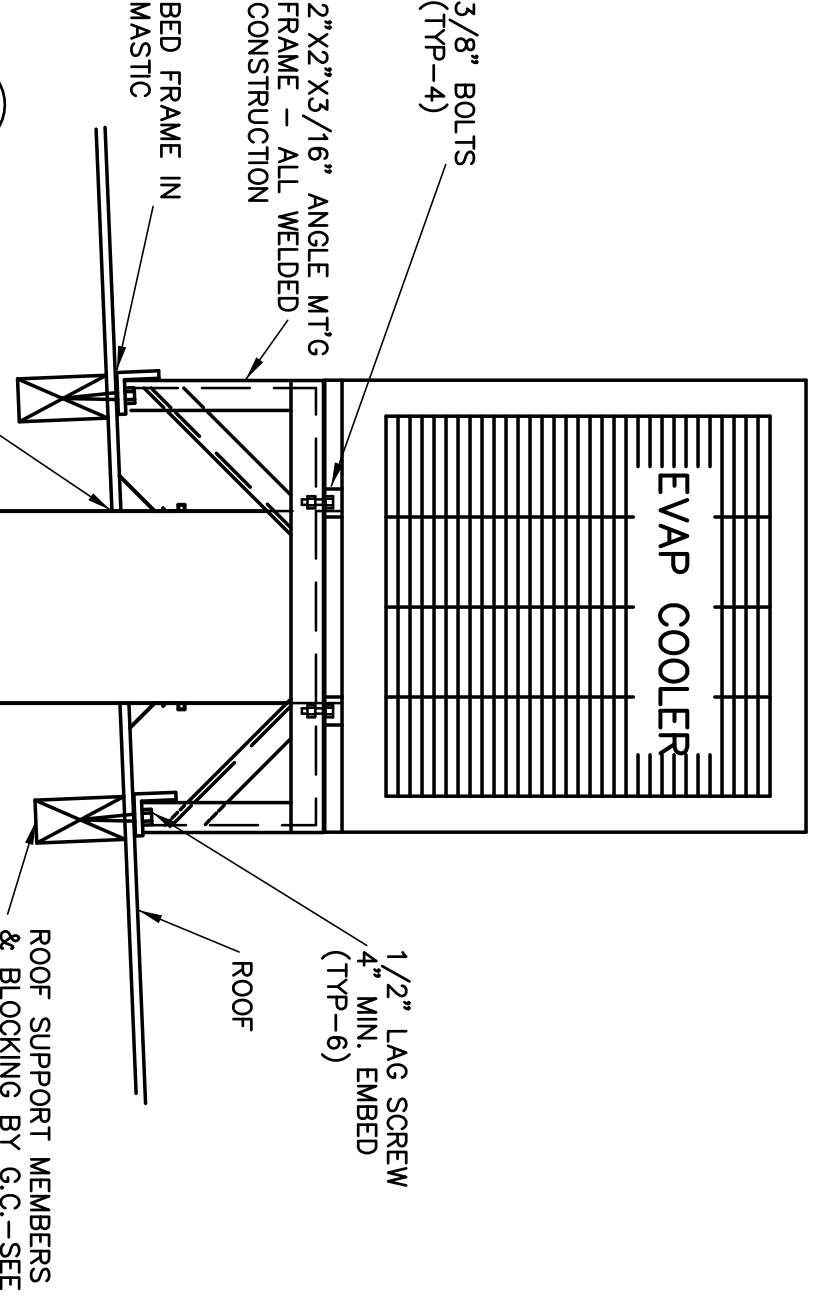
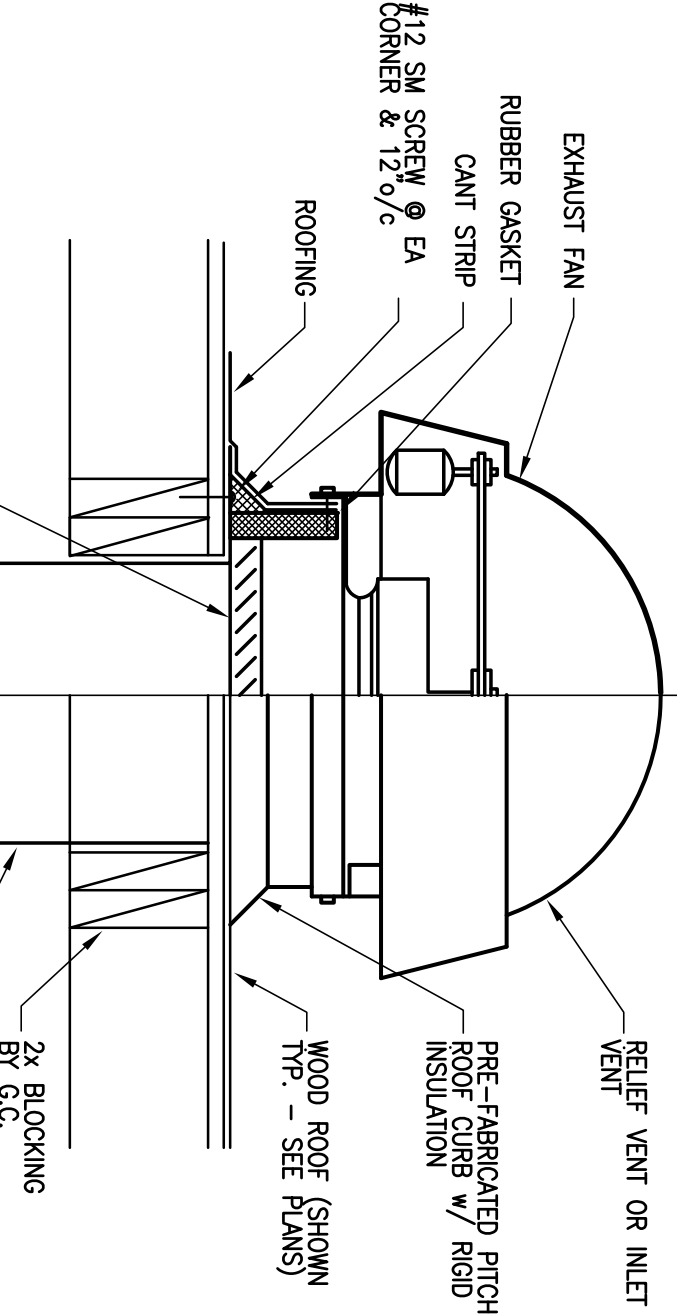
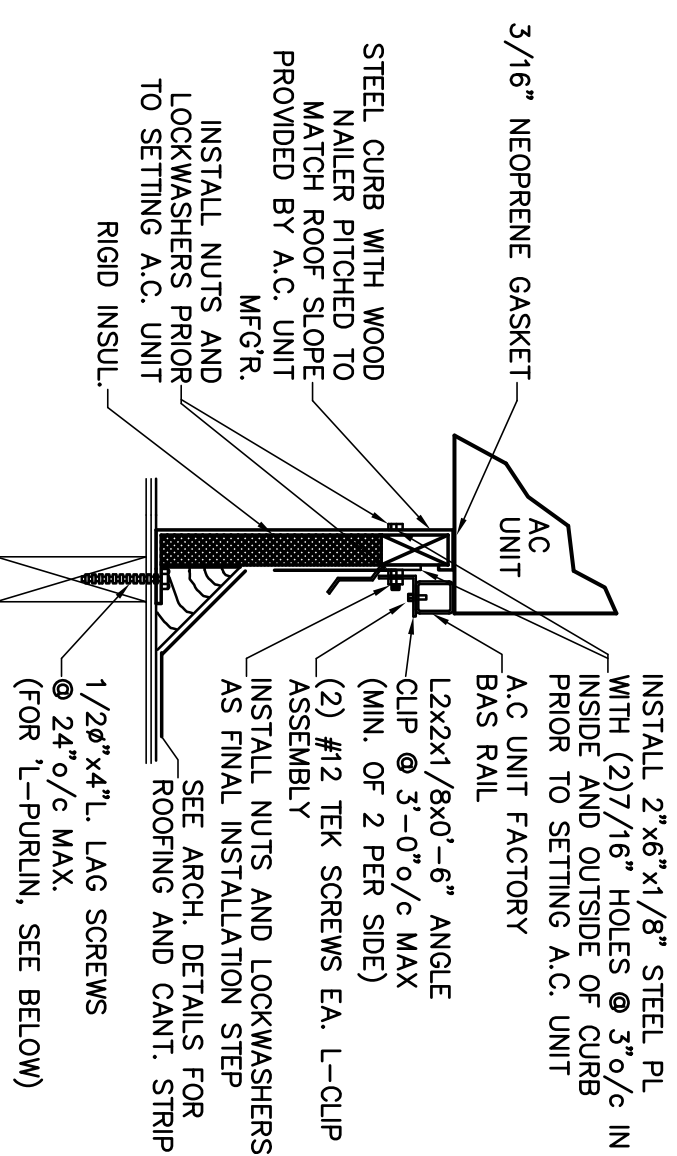


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MECHANICAL FLOOR PLAN - EQUIPMENT SCHEDULE - NOTES  
**PROPOSED CONVENIENCE STORE FOR:**  
 WILLIES MARKET  
 690 N ELMWOOD AVE  
 LINDSAY, CA

JOB NO. C09-057  
 SHEET NO. M-2  
 SHEET 2 OF 4



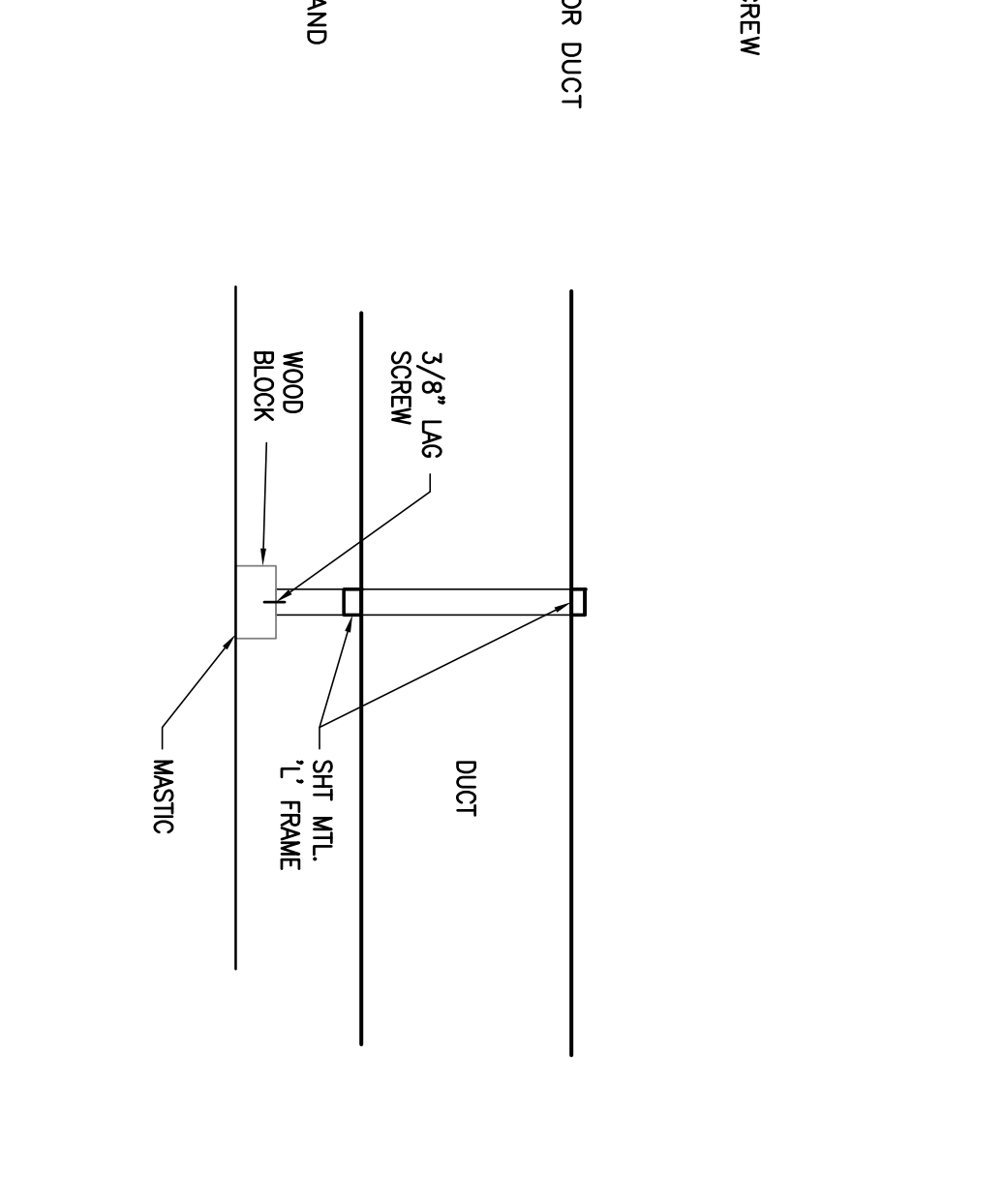
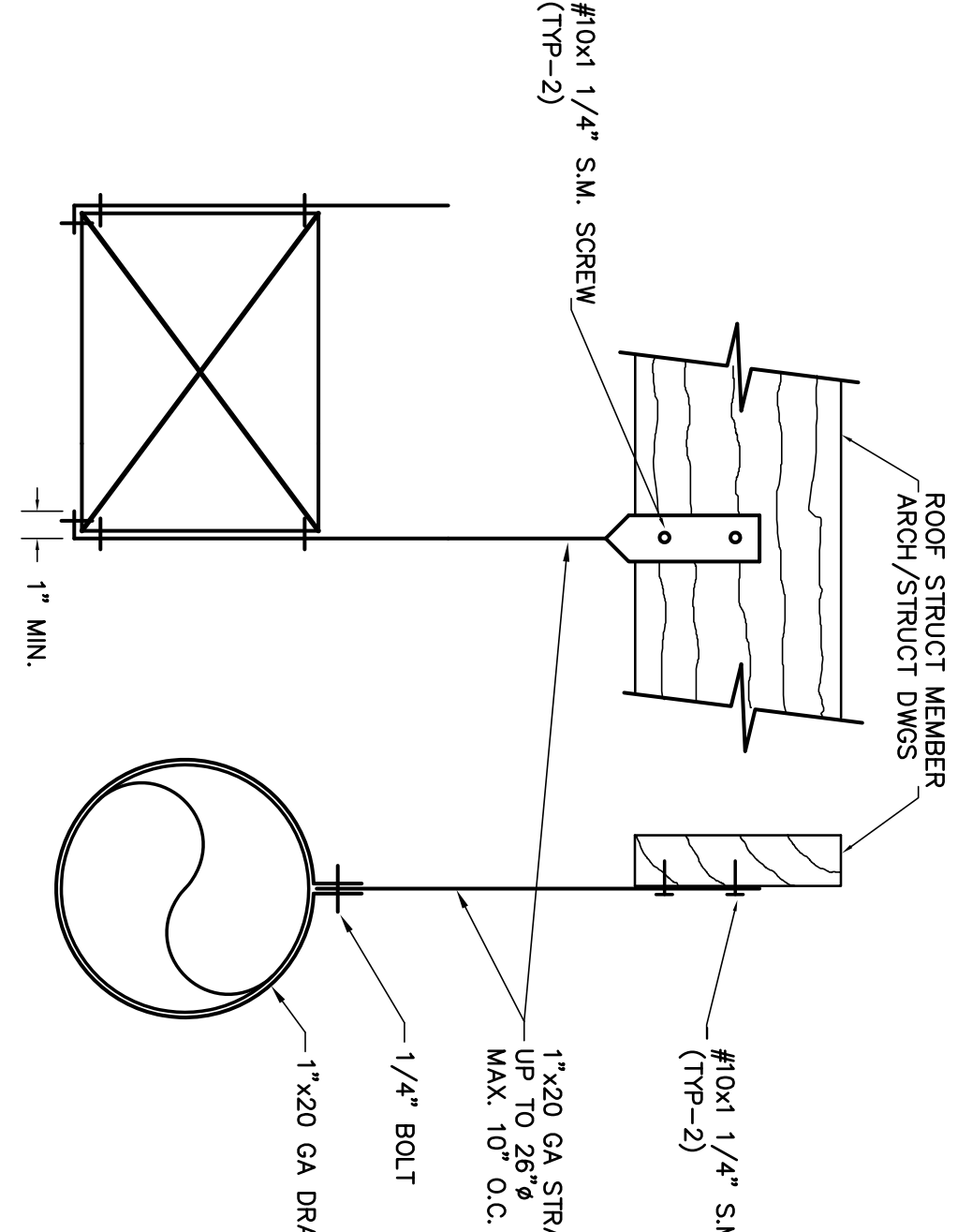
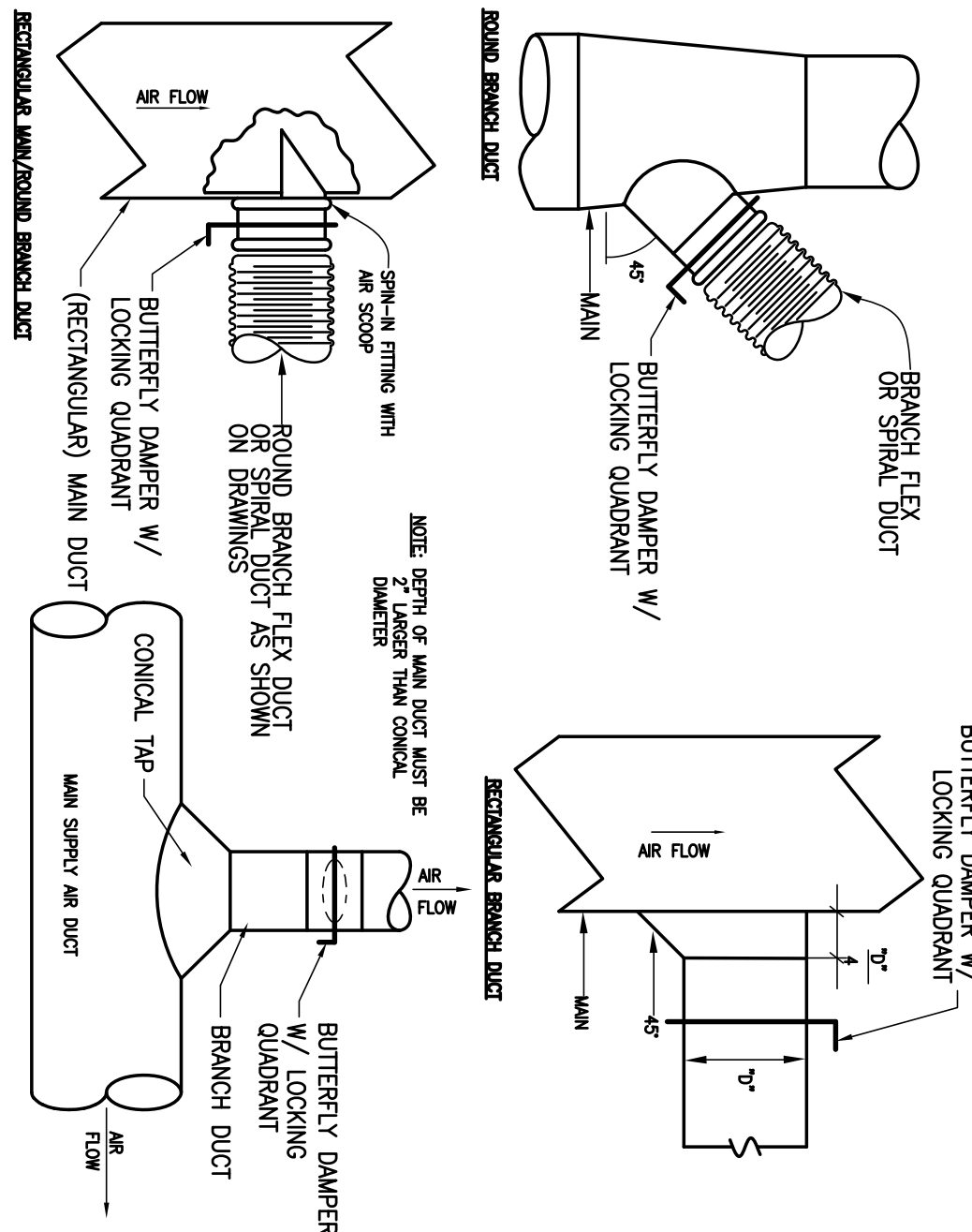
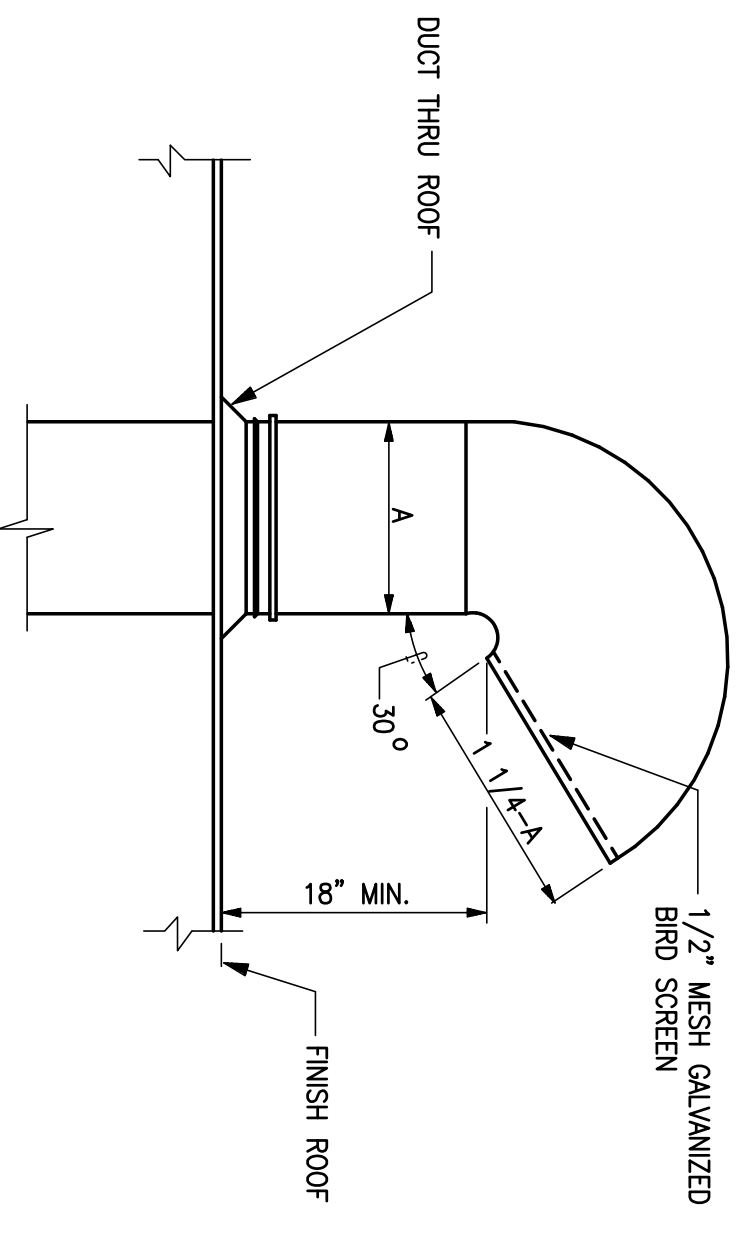


4 AC UNIT MTG - TYP.

3 EXHAUST FAN MTG - TYP.

2 EVAP. COOLER MTG.

1 DUCT THRU ROOF



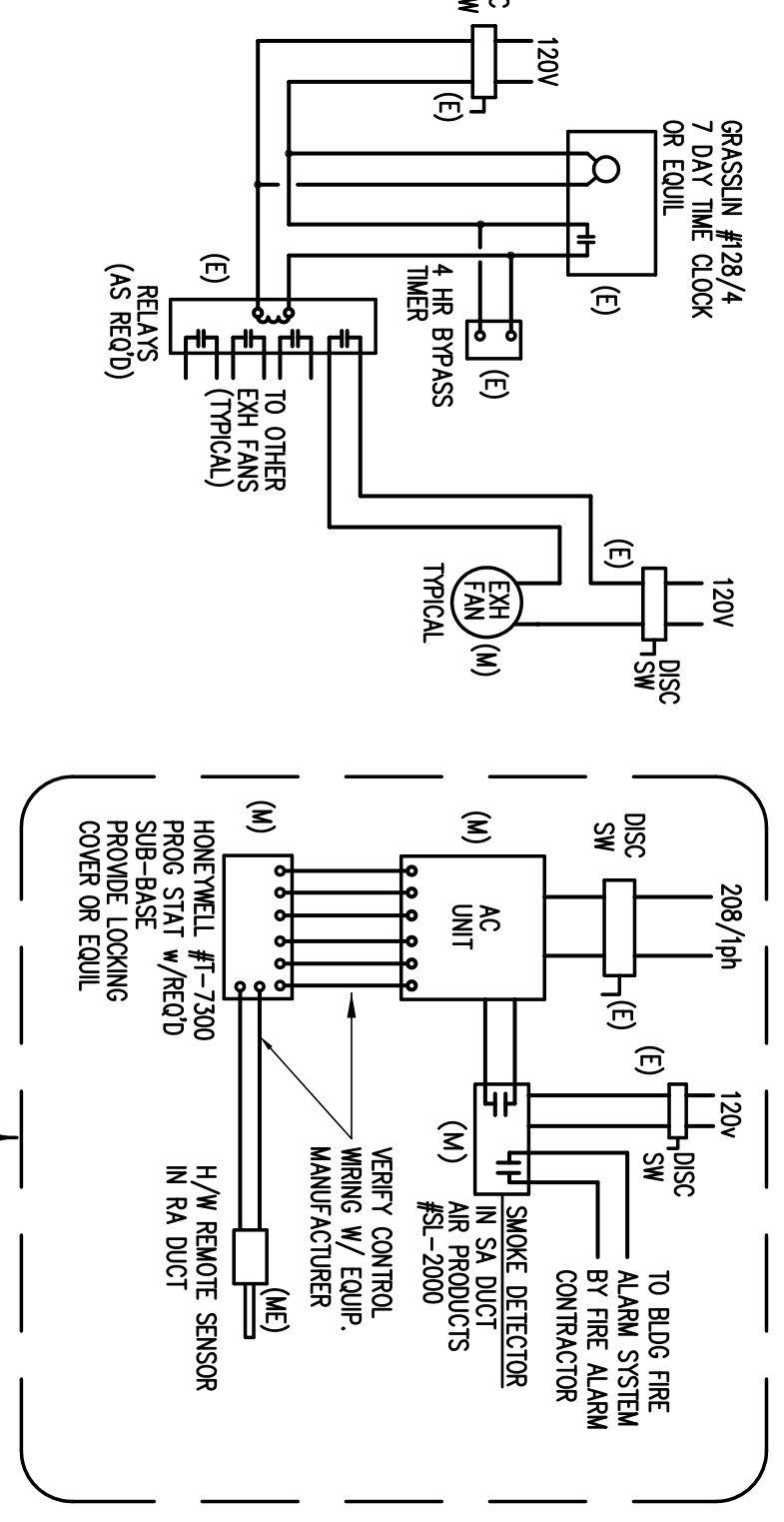
8 COMB. AIR GOOSE NECK

7 DUCT DETAILS - TYP.

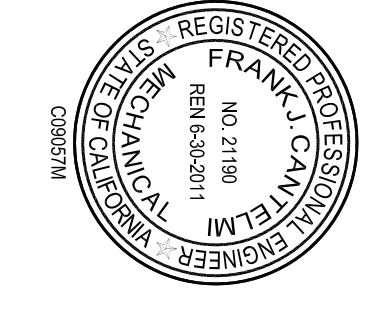
6 DUCT HANGER - TYP.

5 EVAP COOLER DUCT SUPPORT

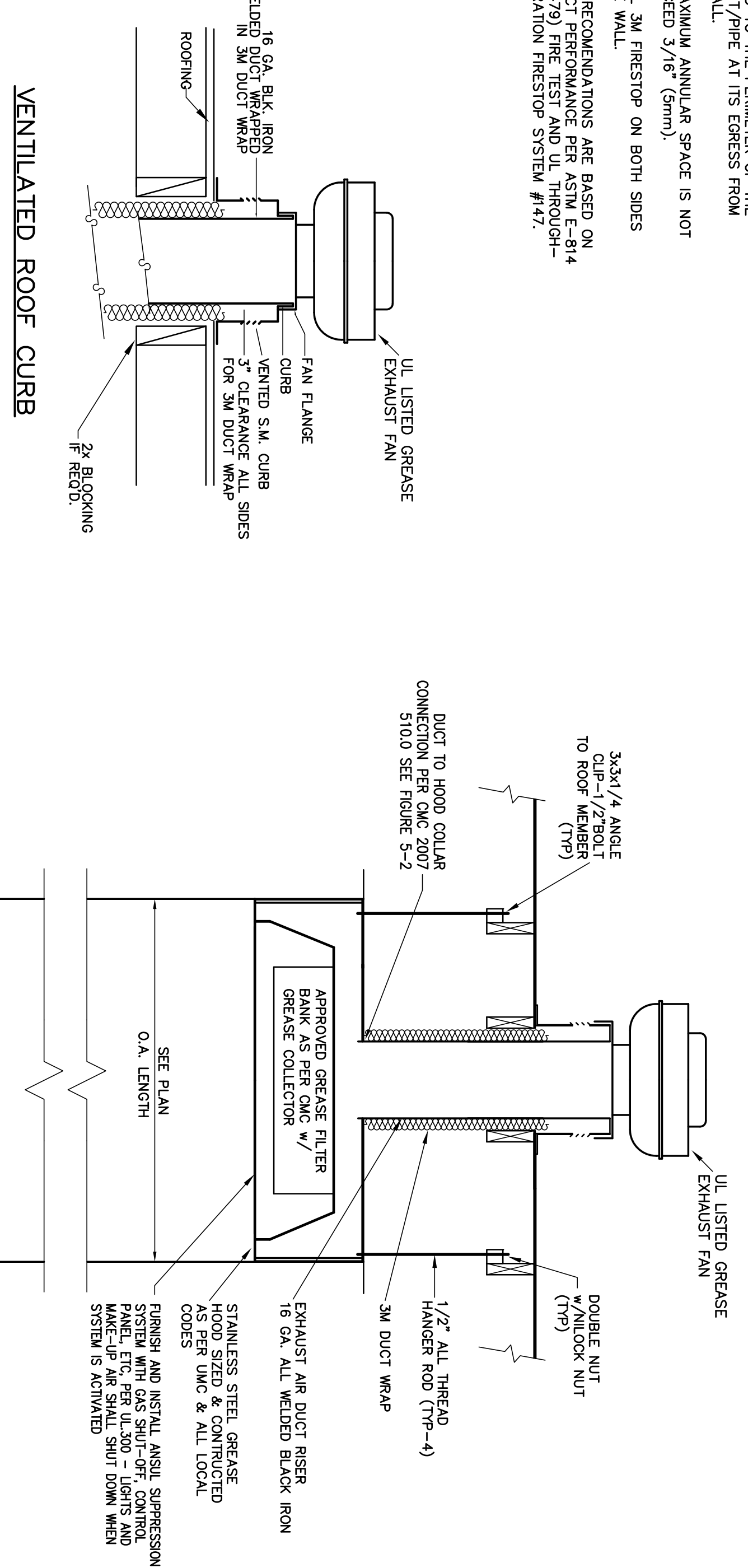
NOTE  
 1. SUPPLY AIR FAN TO BE WHEED TO RUN CONTINUOUS DURING OCCUPIED HOURS.  
 2. INTERLOCK RELATED EXHAUST FAN TO RUN SUPPLY FAN.  
 3. ALL CONTROL WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE MECHANICAL CONTRACTOR.  
 4. ALL POWER WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE MECHANICAL CONTRACTOR.  
 5. ALL ELECTRICAL CONTRACTOR.  
 6. FURNISHED, INSTALLED, & WHEED BY ELECTRICAL CONTRACTOR.  
 7. FURNISHED, INSTALLED, & WHEED BY MECHANICAL CONTRACTOR.  
 8. FURNISHED & INSTALLED BY MECHANICAL & WHEED BY ELECTRICAL.



9 CONTROL DIAGRAMS - TYP.

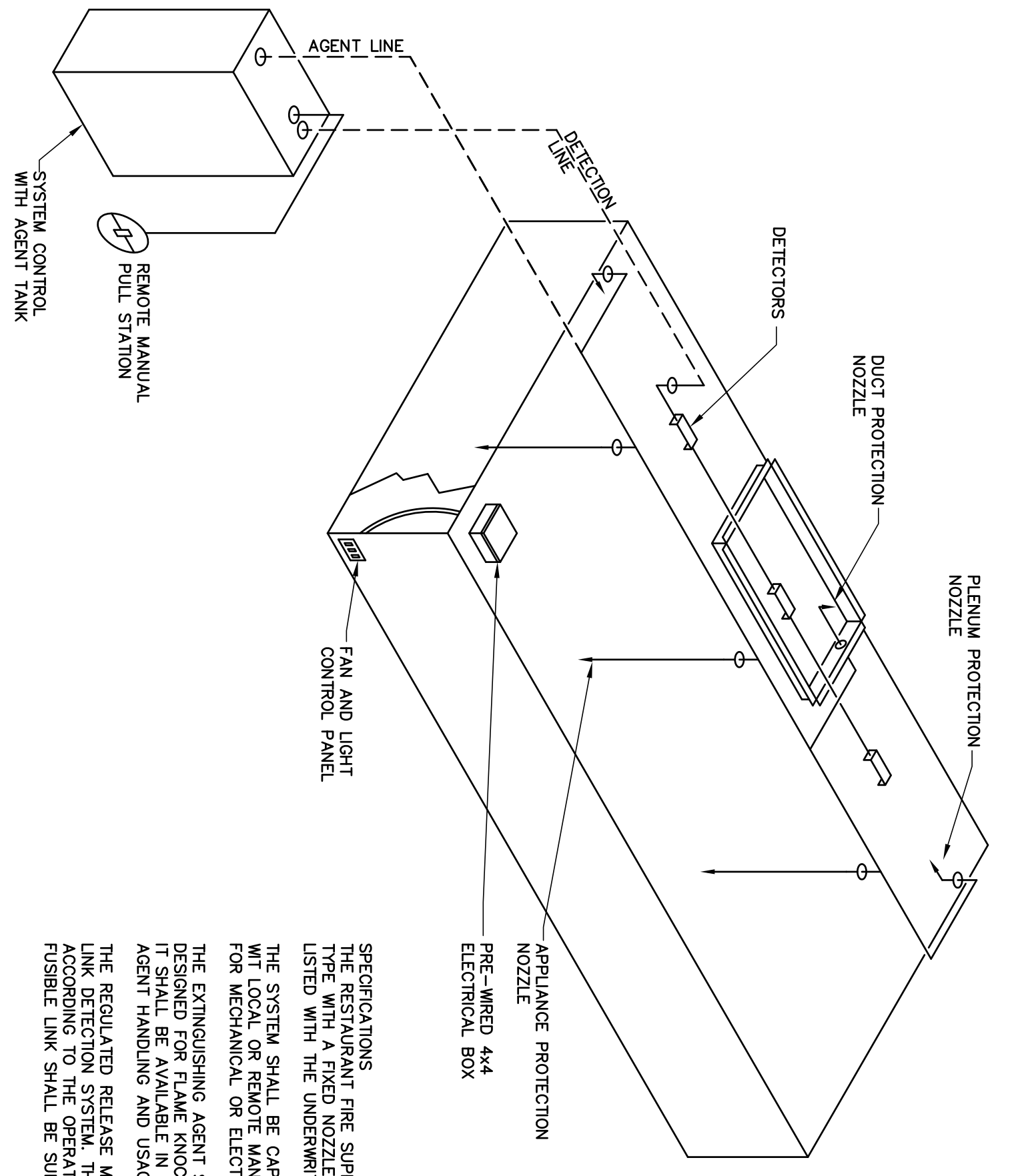


- NOTES:
- 1) THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
  - 2) FINISH CALLING WITH A 1/4" (6mm) MINIMUM BEAD OF #25V/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
  - 3) THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm).
  - 4) INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL.
  - 5) THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL-149) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #141.



1 KITCHEN GREASE HOOD

NTS



2 KITCHEN GREASE HOOD FIRE SUPPRESSION SYSTEM

NTS

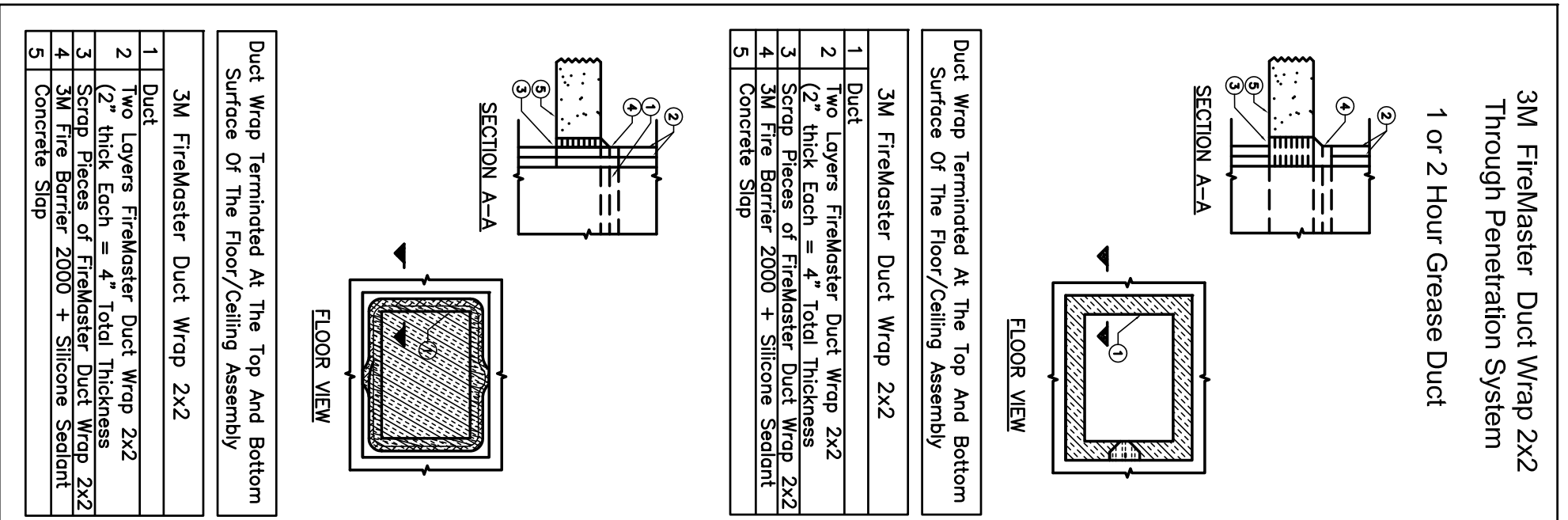
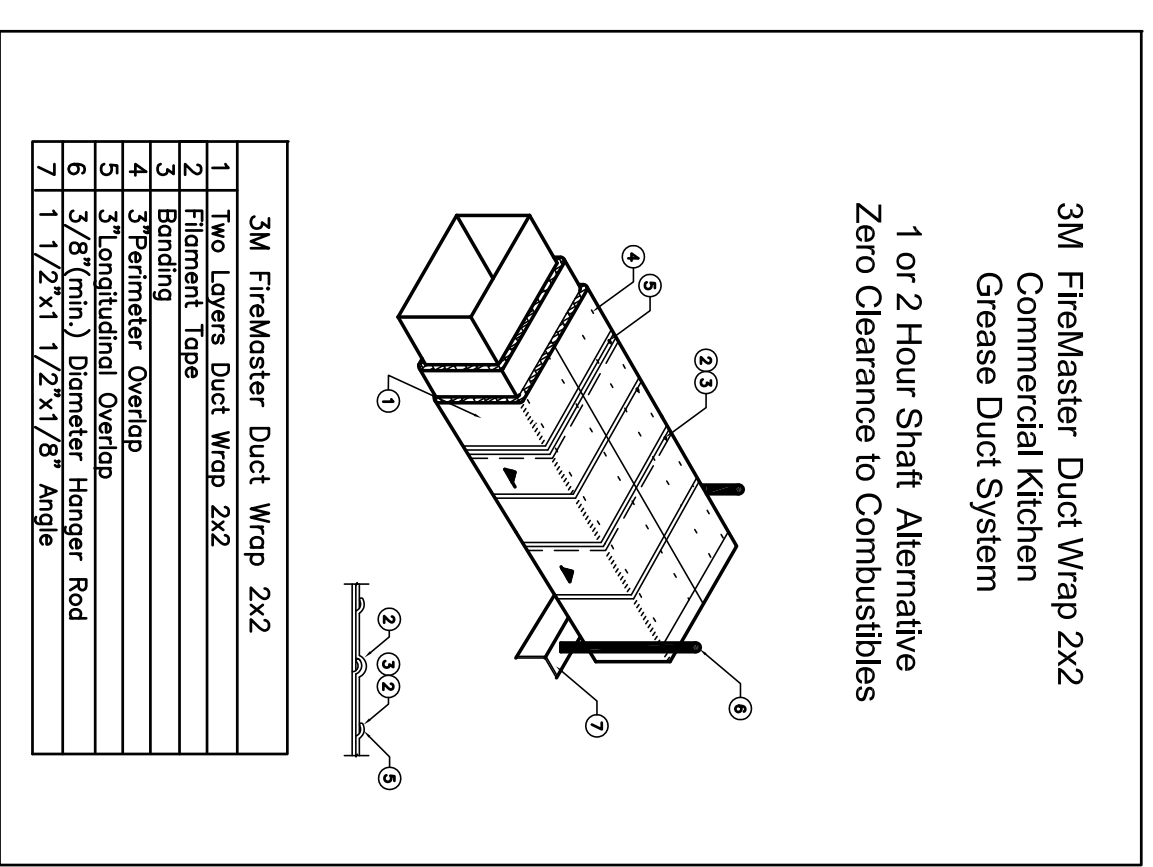
- LEGEND
- 1A MECHANICAL RELEASE ASSEMBLY (1.5 GAL)
  - 1B MECHANICAL RELEASE ASSEMBLY (3.0 GAL)
  - 2A ELECTRICAL RELEASE ASSEMBLY (1.5 GAL)
  - 2B ELECTRICAL RELEASE ASSEMBLY (3.0 GAL)
  - 3A PERIMETER OVERLAP
  - 3B TANK ASSEMBLY ENCLOSURE (3.0 GAL)
  - 4A REGULATED ACTUATOR ASSEMBLY (1.5 GAL)
  - 4B REGULATED ACTUATOR ASSEMBLY (3.0 GAL)
  - 5A TERMINAL FUSIBLE LINK KIT
  - 6A 500° FUSIBLE LINK
  - 6B 500° FUSIBLE LINK
  - 7A L-1-20-R NITROGEN CARTRIDGE
  - 7B L-1-20-R NITROGEN CARTRIDGE
  - 7C DOUBLE TANK NITROGEN CARTRIDGE
  - 10 REMOTE PULL STATION
  - 11 REMOTE PULL STATION
  - 12 DPDI MICRO-SWITCH
  - 13 OEM RELEASE/BRACKET ASSEMBLY
- FACTORY PIPING  
- - - - - FIELD PIPING
- APPLIANCE PROTECTION NOZZLE PRE-WIRED 4x4 ELECTRICAL BOX
- SPECIFICATIONS  
THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH THE UNDERWRITERS LABORATORIES, INC. (UL 300).  
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTIVATION ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.  
THE EXTINGUISHING AGENT SHALL BE ANSULX LOW PH LIQUID FIRE SUPPRESSANT DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT IF GREASE RELATED FIRES IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.  
THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTION BRACKET/DIVERTE ASSEMBLY.

to prevent blanket sag. Pins are required 1"(25.4cm) apart and 1 1/2"(38.1cm) from edge near a 90° bend. These pins should be spaced on 6" (15.2cm) center. The blanket is locked into place over the pins with minimum 1 1/2" (38.1mm) diameter round steel speed clips or cap head pins. Insulation pins that are used to secure the blanket to the structure shall be turned down to eliminate sharp edges.

When the duct penetrates a fire rated wall, ceiling or floor, an approved firestop system is employed.

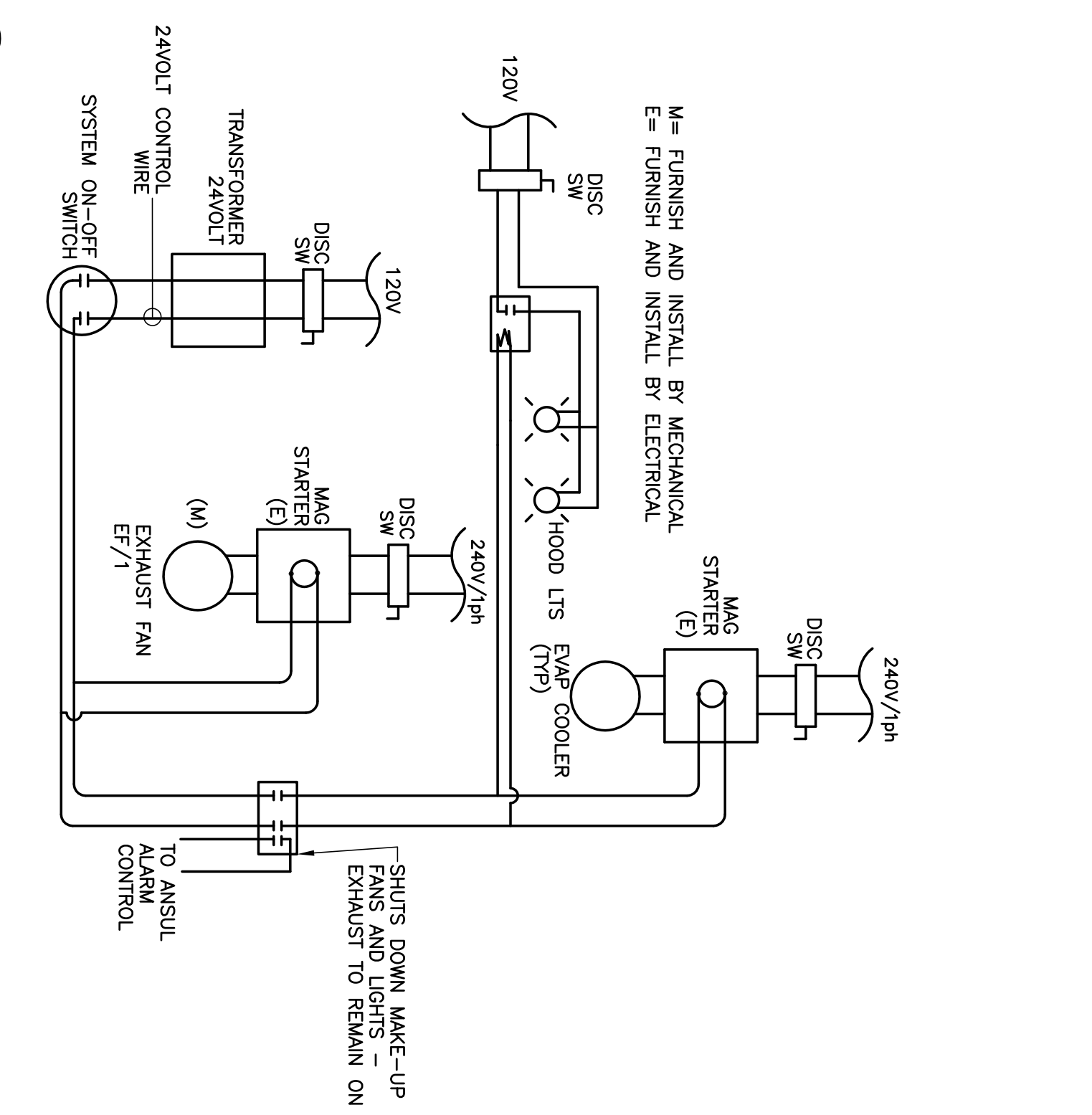
One 10 1/2" (267cm) wide strip and one 21 1/4"(57cm) wide strip of FireMaster blanket are required. The strips are cut to length and are then aligned with one edge. The wider strip is then folded over the narrower strip to create a three-layer, 6"(15.2cm) thick by 41 1/4"(105cm) wide strip. The blanket is then placed in the annular space, flush with the lower surface of the concrete slab and recessed a minimum of 1/4" (6.4mm) from the upper surface.

For a complete guide covering installation techniques and materials and detailing independent systems contact your authorized 3M distributor/dealer.

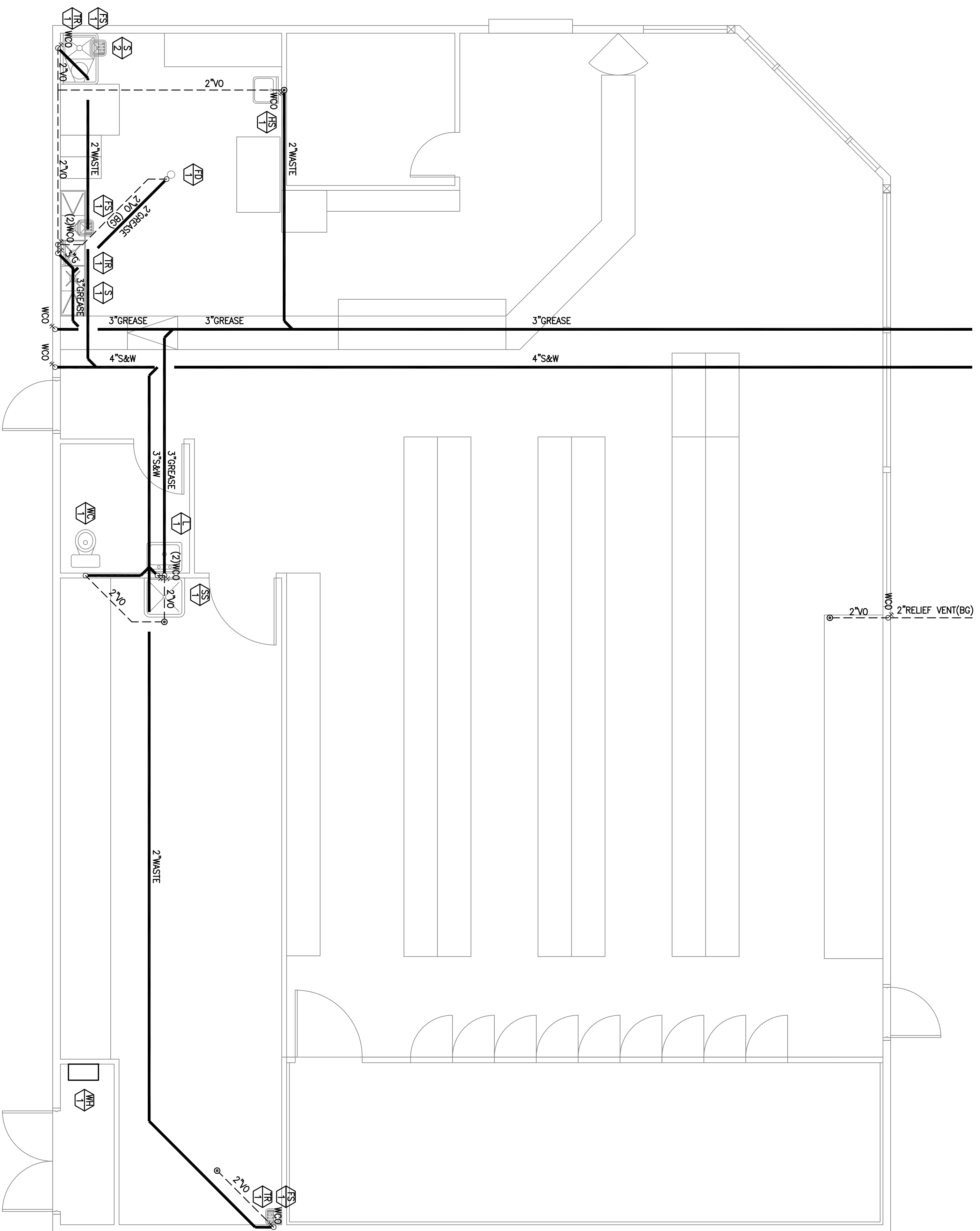


5 CONTROL DIAGRAM - CLASS 1 HOOD

NTS







**PLUMBING FLOOR PLAN – SEWER**

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

- NOTE TO CONTRACTOR:
1. ALL SOIL, WASTE, VENT & DRAIN PIPING TO HAVE 2% MIN SLOPE (1/4" DROP PER FOOT SLOPE)
  2. ALL VENTS SHALL TERMINATE THRU ROOF NO LESS THAN (1) FEET FROM AND/OR AT LEAST (3) FEET ABOVE THE FINISH FLOOR, DOOR OPENING, AIR INTAKE OR VENT SWIFT.
  3. EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN (6) INCHES IN HEIGHT ABOVE THE FLOOR LEVEL FROM OF THE FINISH BEFORE BEING CONNECTED TO ANY OTHER VENT.
  4. ALL FLOOR SINKS & FLOOR DRAINS TO HAVE P-TRAP w/TRAP PRIMER CONNECTION.
  5. ALL SINKS AND LANS TO HAVE WALL CLEAN OUPS.
  6. ALL WALL CLEAN OUPS TO BE FLUSH TO FINISH WALL.

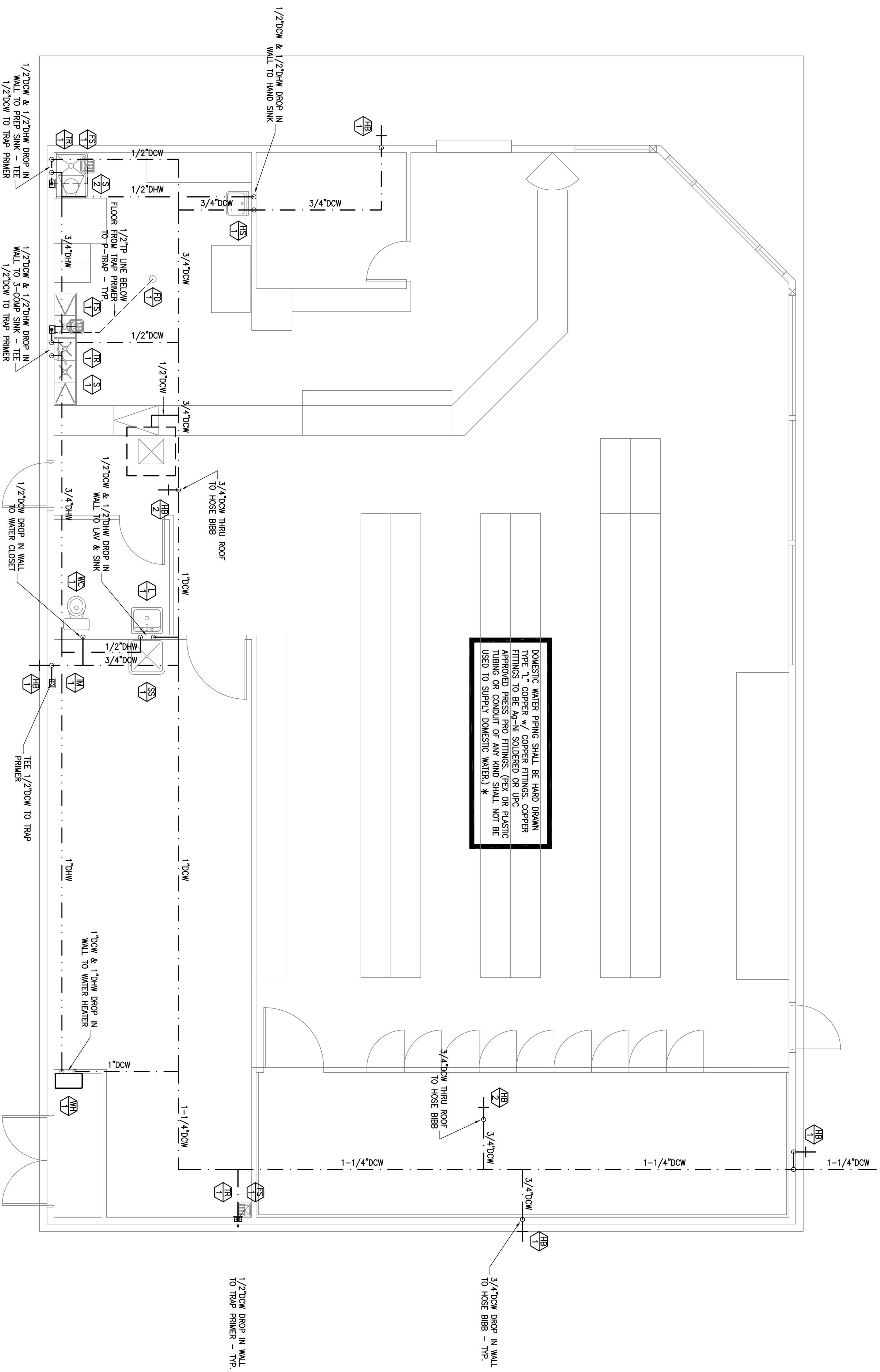


SHEET 2 OF 5  
**P-2**  
 SHEET NO.  
**C09-057**  
 JOB NO.

PLUMBING FLOOR PLAN – SEWER  
**PROPOSED CONVENIENCE STORE FOR:**  
 WILLIES MARKET  
 690 N ELMWOOD AVE  
 LINDSAY, CA

REVISION	DATE
DRAWN	12/18/09
A.F.	

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DOMESTIC WATER PIPING SHALL BE HARD DRAWN TYPE 'K' COPPER / COPPER FITTINGS. COPPER APPROVED PRESS PRO FITTINGS. (PEX OR PLASTIC TUBING OR CONDUIT OF ANY KIND SHALL NOT BE USED TO SUPPLY DOMESTIC WATER.) \*

**PLUMBING FLOOR PLAN - DCW & DHW**

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

- NOTE TO CONTRACTOR:
1. ALL SERVICE SINKS, 3-COMPARTMENT SINKS, PREP SINKS AND ALL OTHER FIXTURES THAT MAY HAVE HOT AND COLD WATER CROSS CONNECTIONS SHALL HAVE CHECK VALVES INSTALLED IN THE COLD WATER SUPPLY LINE. THE CHECK VALVES ARE TO BE INSTALLED IN AN ACCESSIBLE AREA FOR MAINTENANCE. THERE SHALL ONLY BE ONE CHECK VALVE PER SUPPLY PIPE PER FIXTURE. CHECK VALVE SHALL NOT BE INSTALLED IN HEADERS.
  2. ALL SERVICE SINKS, 3-COMPARTMENT SINKS AND PREP SINKS SHALL HAVE VACUUM BREAKERS INSTALLED ON THE FAUCET. EITHER INTEGRATED VACUUM BREAKERS OR REMOVABLE VACUUM BREAKERS ARE ACCEPTABLE.
  3. ALL LANS SHALL HAVE SELF-METERING/CLOSING FAUCETS.
  4. ALL FIXTURES THAT HAVE 140°F HOT WATER SUPPLY SHALL HAVE A RED SIGN INSTALLED ABOVE THE FAUCET READING "CAUTION HOT WATER"
  5. ALL WATER PIPING BELOW FLOOR TO BE IN PVC SLEEVE.
  6. ALL WATER PIPING EXCEPT "THERMO WATERS" SHALL BE TYPE L HARD DRAWN COPPER #10 COPPER PIPE FITTINGS TO BE BONDED VIA UPC APPROVED SILVER/TIN SOLDER OR UPC APPROVED "PRESS-PRO" TYPE FITTINGS.
  7. SEE GENERAL PLUMBING NOTES ON SHEET P-1.



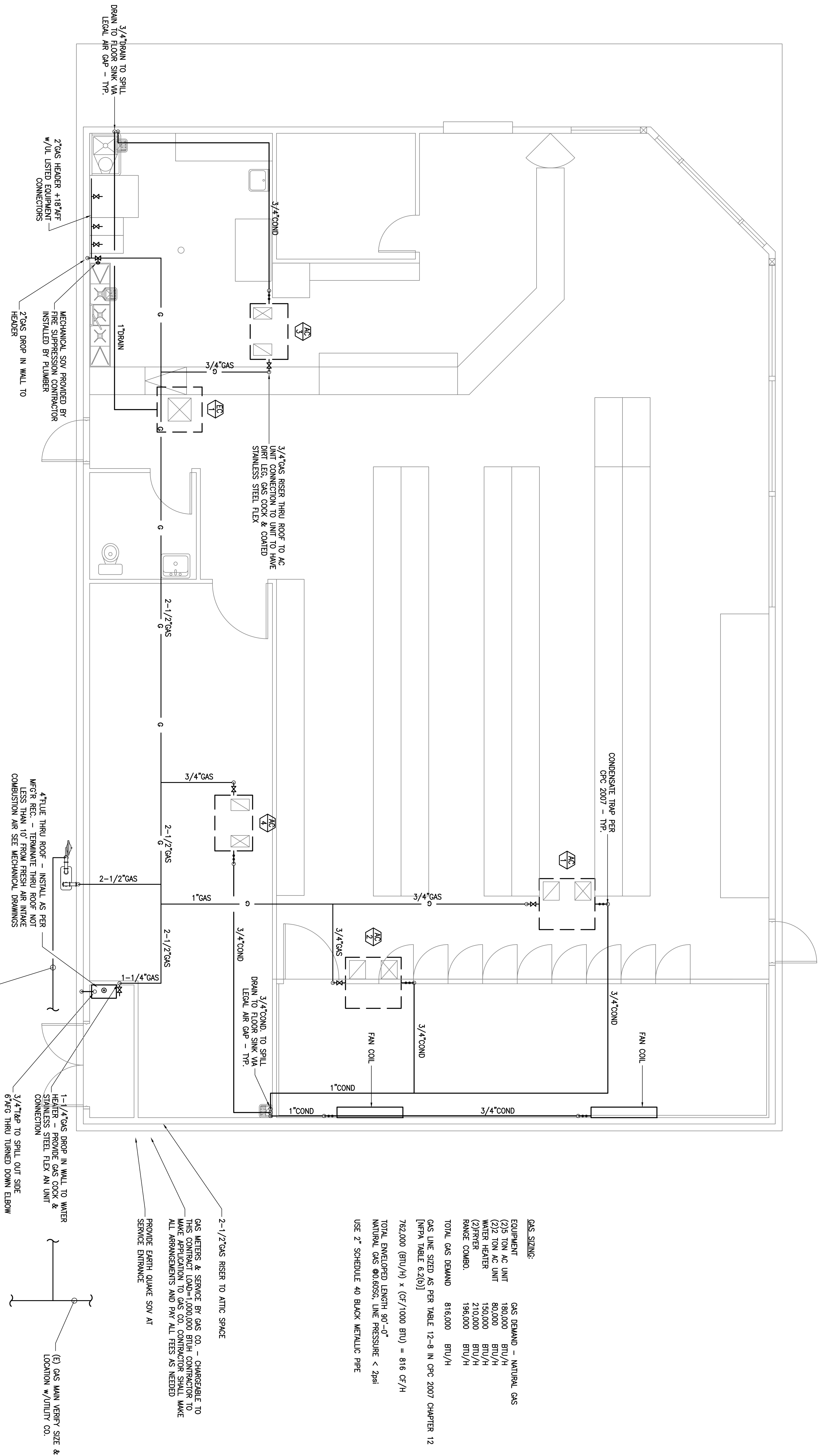
JOB NO. **C09-057**  
SHEET NO. **P-3**  
SHEET 3 OF 5

PLUMBING FLOOR PLAN - DCW & DHW  
**PROPOSED CONVENIENCE STORE FOR:**  
WILLIES MARKET  
690 N ELMWOOD AVE  
LINDSAY, CA

REVISION	DATE
DATE	12/18/2009
DRAWN	
A.F.	

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**PLUMBING FLOOR PLAN - GAS & CONDENSATE**

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

**GAS SIZING:**

EQUIPMENT	GAS DEMAND - NATURAL GAS
(2) 5 TON AC UNIT	180,000 BTU/H
(2) 2 TON AC UNIT	80,000 BTU/H
WATER HEATER	150,000 BTU/H
(2) FRYER	210,000 BTU/H
RANGE COMBO.	195,000 BTU/H
TOTAL GAS DEMAND	816,000 BTU/H

GAS LINE SIZED AS PER TABLE 12-9 IN CPC 2007 CHAPTER 12  
[NPA TABLE 6.2(10)]

762,000 (BTU/H) x (CF/1000 BTU) = 816 CF/H

TOTAL ENVELOPED LENGTH 90'-0"

NATURAL GAS @ 0.6059, LINE PRESSURE < 2psi

USE 2" SCHEDULE 40 BLACK METALLIC PIPE

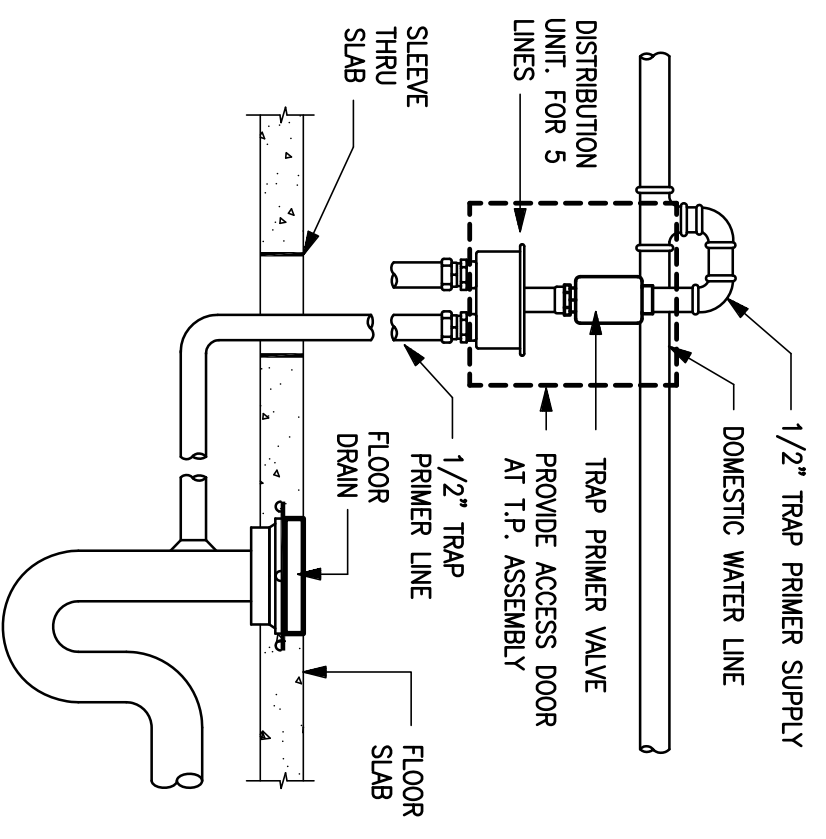
GAS METERS & SERVICE BY GAS CO. - CHARGEABLE TO THIS CONTRACTOR TO MAKE APPLICATION TO GAS CO. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND PAY ALL FEES AS NEEDED



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JOB NO. <b>C09-057</b>	PLUMBING FLOOR PLAN - GAS & CONDENSATE		REVISION DATE
	PROPOSED CONVENIENCE STORE FOR: WILLIES MARKET 690 N ELMWOOD AVE LINDSAY, CA		DATE 12/18/09
SHEET NO. <b>P-4</b>	DRAWN A.F.		

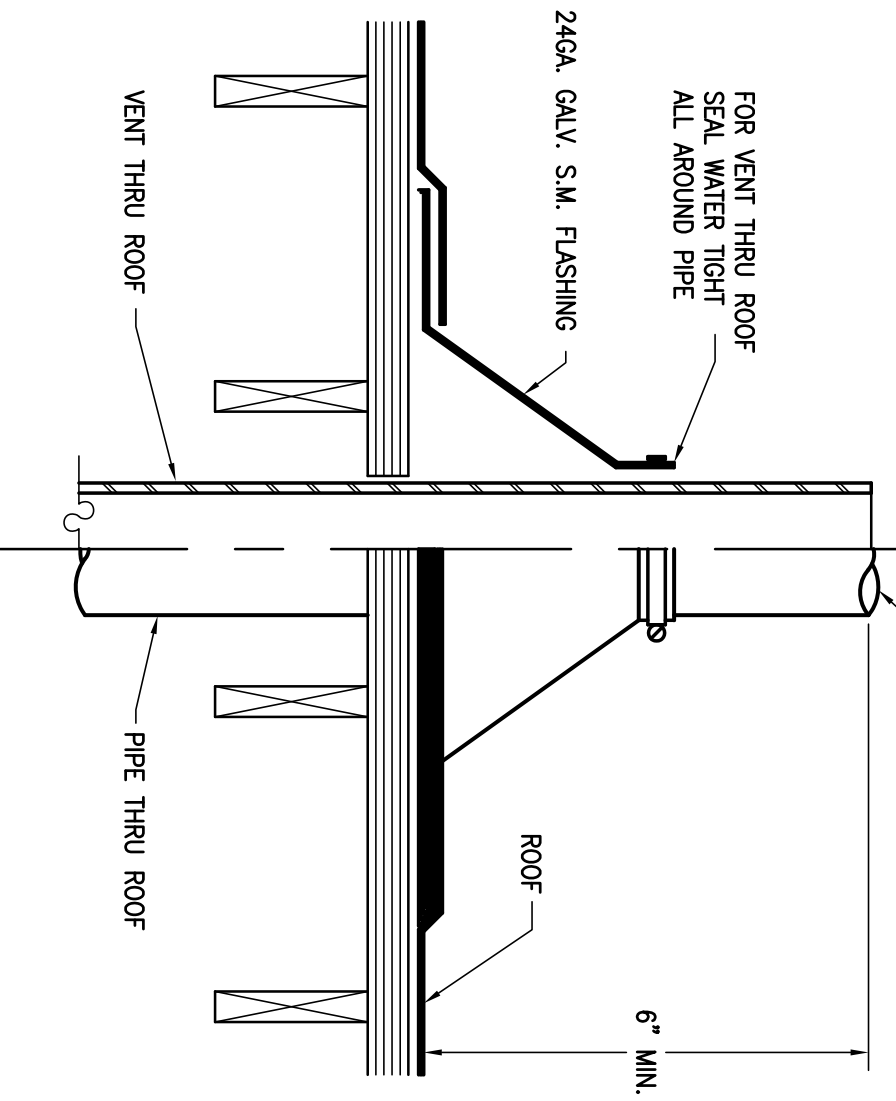


### 1 TRAP PRIMER SCHEMATIC

N.T.S.

VENT THRU ROOF TO TERMINATE. NOT LESS THAN (1) FEET FROM OR AT LEAST (3) FEET ABOVE ANY WINDOW, DOOR, OPENING, AIR-INTAKE OR VENT SHAFT, NOR LESS THAN (3) FEET IN EVERY DIRECTION FROM ANY LOT LINE. ALLEY AND STREET EXCEPTED.

AGGREGATE VENT AREA TO BE EQUAL TO REQUIRED SEWER. SEE PLUMBER SHTS.

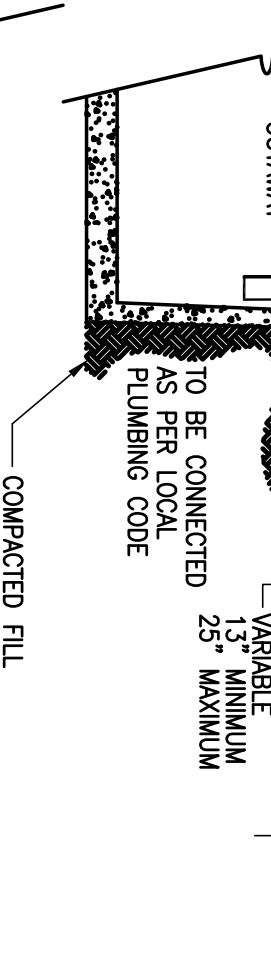


### 4 VENT/PIPE THRU ROOF - TYP

N.T.S.

STEEL PLATE COVER. A NON-SLID SURFACE SUCH AS DIAMOND PLATE OR OTHER APPROVED SURFACE IS REQUIRED FOR THE COVER PLATE IF THE BOX IS LOCATED IN A PEDESTAL OR VEHICULAR TRAFFIC AREA. A 3/4" DIA. HOLE MUST BE DRILLED 6" FROM ANY EDGE OF THE COVER.

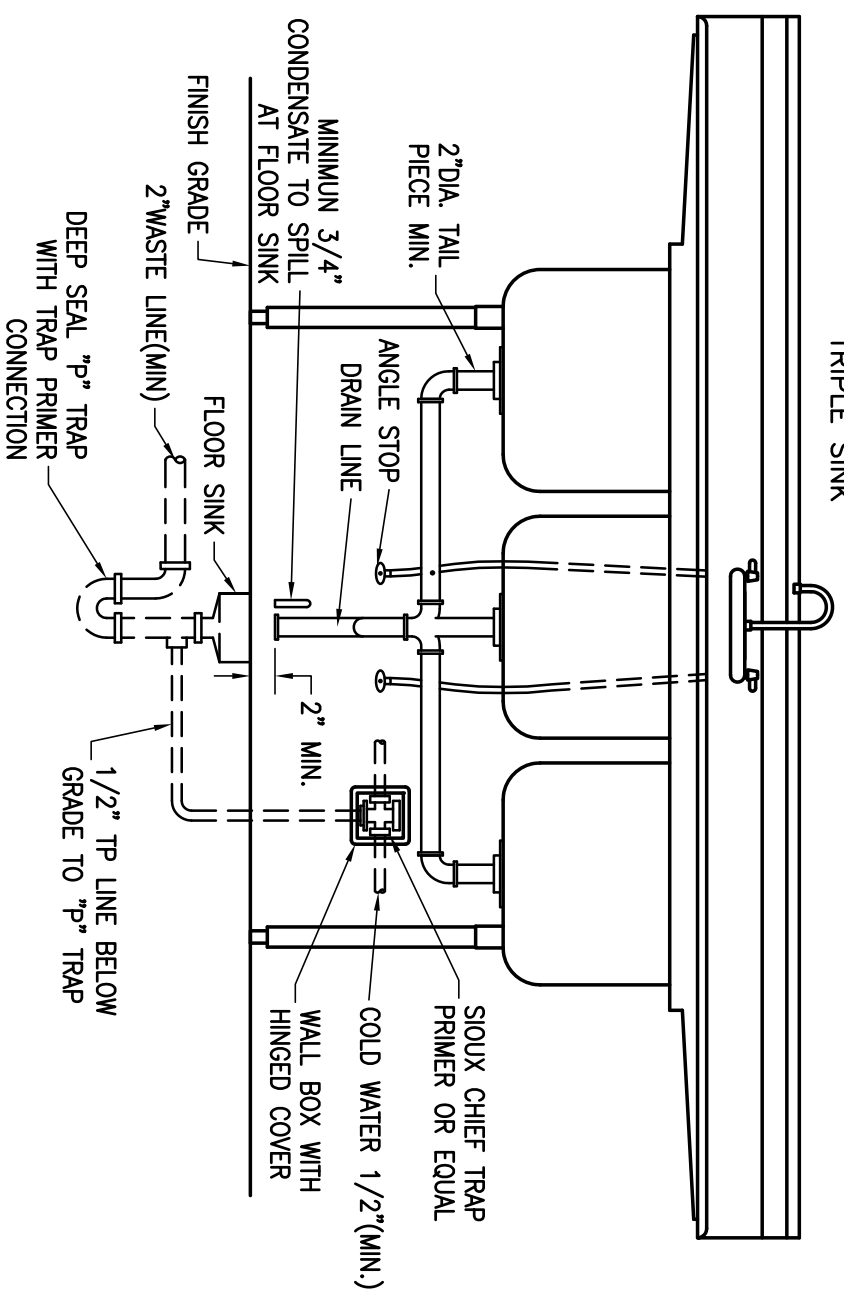
WEIGHT: 1250 LBS.  
BOX DESIGN LOAD: H-20  
ROOF SURFACE AREA: 3.142 SQ. FT.  
SAMPLE BOX MUST BE PLACED ON SUITABLE SOFT OR UNDISTURBED EARTH IN TRAFFIC CONDUIT.



NOTE:  
1.) ALL SURFACE WATER SHALL DRAIN AWAY FROM THE BOX AND RISERS.  
2.) LID AND ANGLE IRONS REMOVED ON TRAFFIC PATTERNS IN SAMPLE BOX AREA.  
3.) INSTALLATION TO BE IN ACCORDANCE WITH ALL LOCAL PLUMBING CODES.

### 6 24\"/>

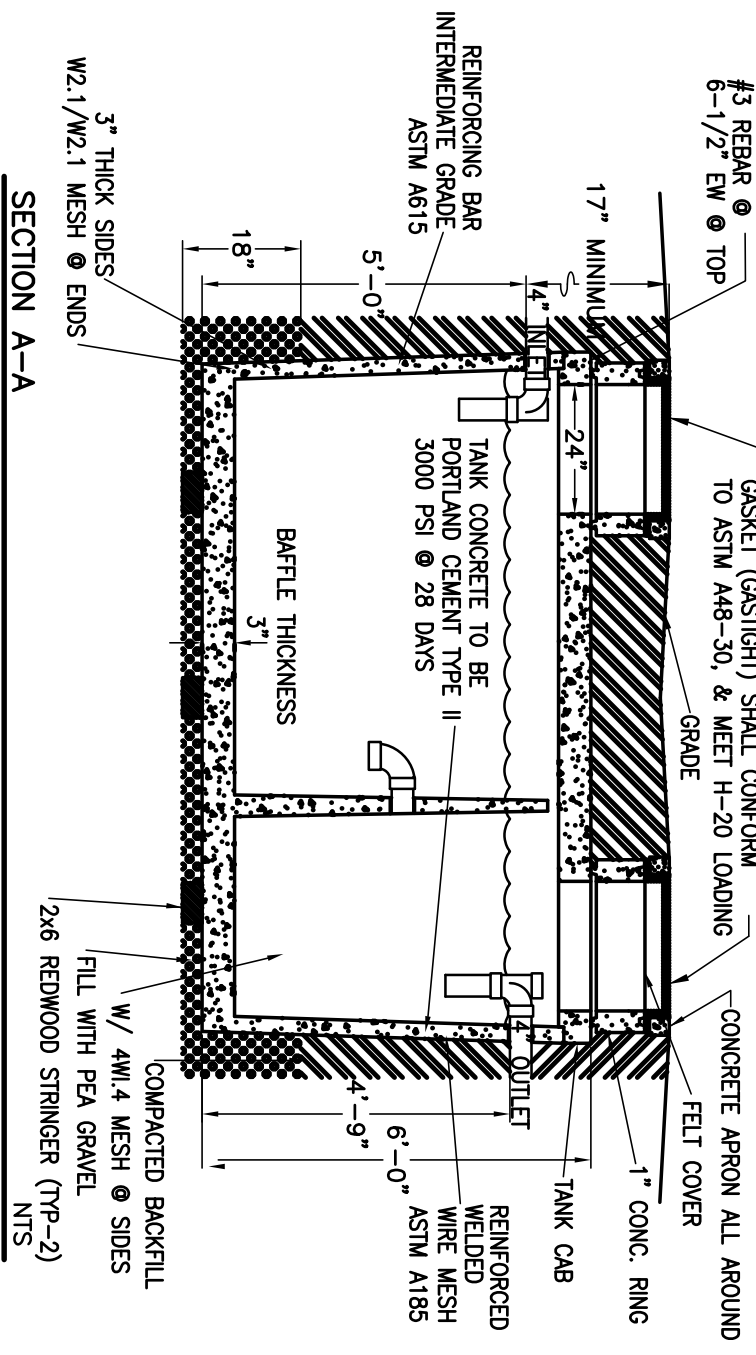
N.T.S.



NOTE: PROVIDE TRAP PRIMER FOR ALL DRAIN ASSEMBLIES PER LOCAL REQUIREMENTS.

### 2 INDIRECT WASTE CONNECTION

N.T.S.



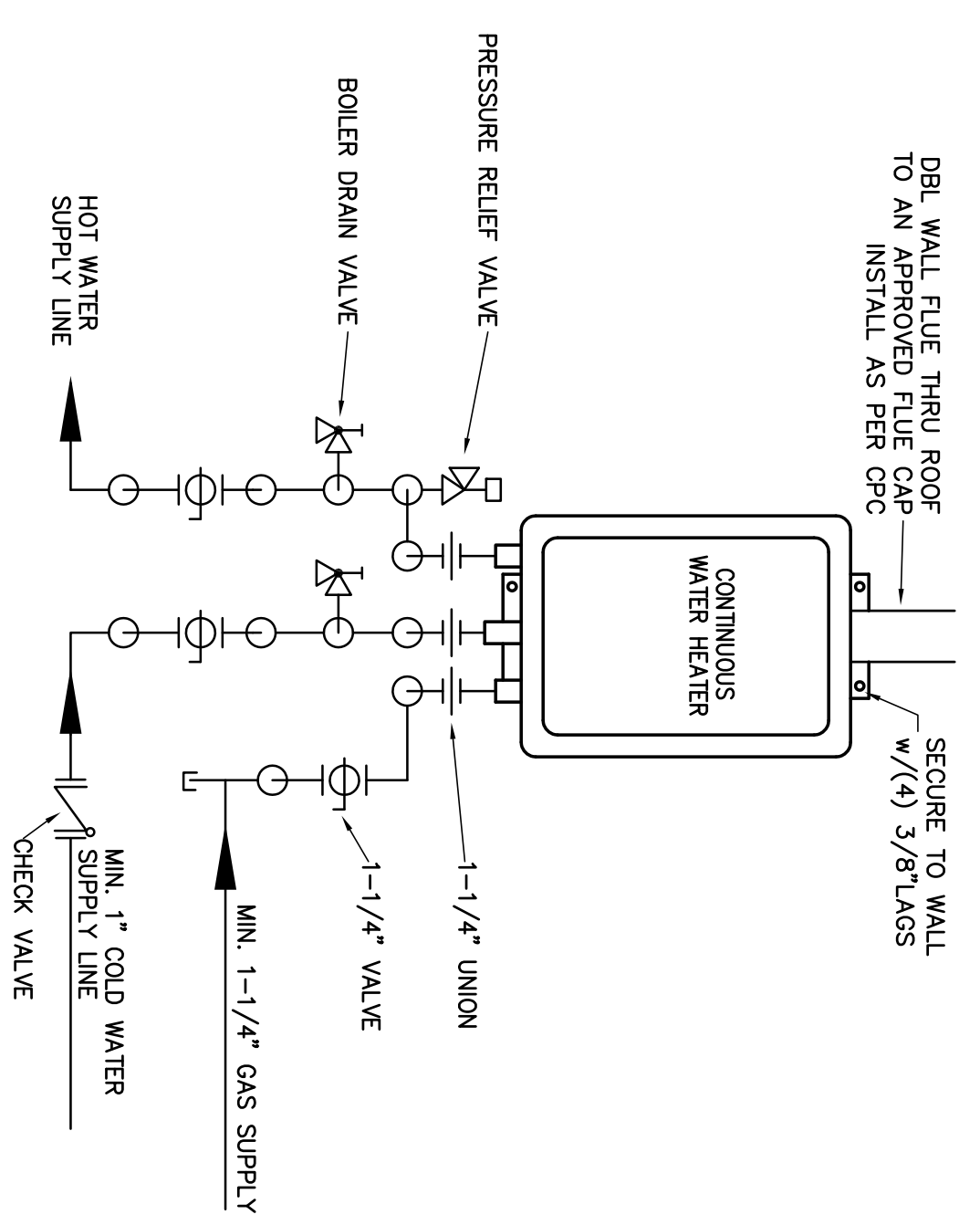
### 5 750 GAL. GREASE INTERCEPTOR

N.T.S.

NOTES:  
1) TANK CAPACITY: 750 GALLONS.  
2) BOX DESIGN LOAD: H-20 TRAFFIC FROM 1' TO 6' OF SOIL COVER.  
3) PROVIDE SEPTIC TANK WITH HEAVY DUTY TRAFFIC RING AND COVER, AND WITH CONCRETE RISER RING, WHEN BURIAL DEPTH EXCEEDS 4').  
4) STRUCTURAL CALCULATIONS TO BE PERFORMED BY TANK MANUFACTURER.

### 3 PIPING & MOUNTING @ WH

N.T.S.



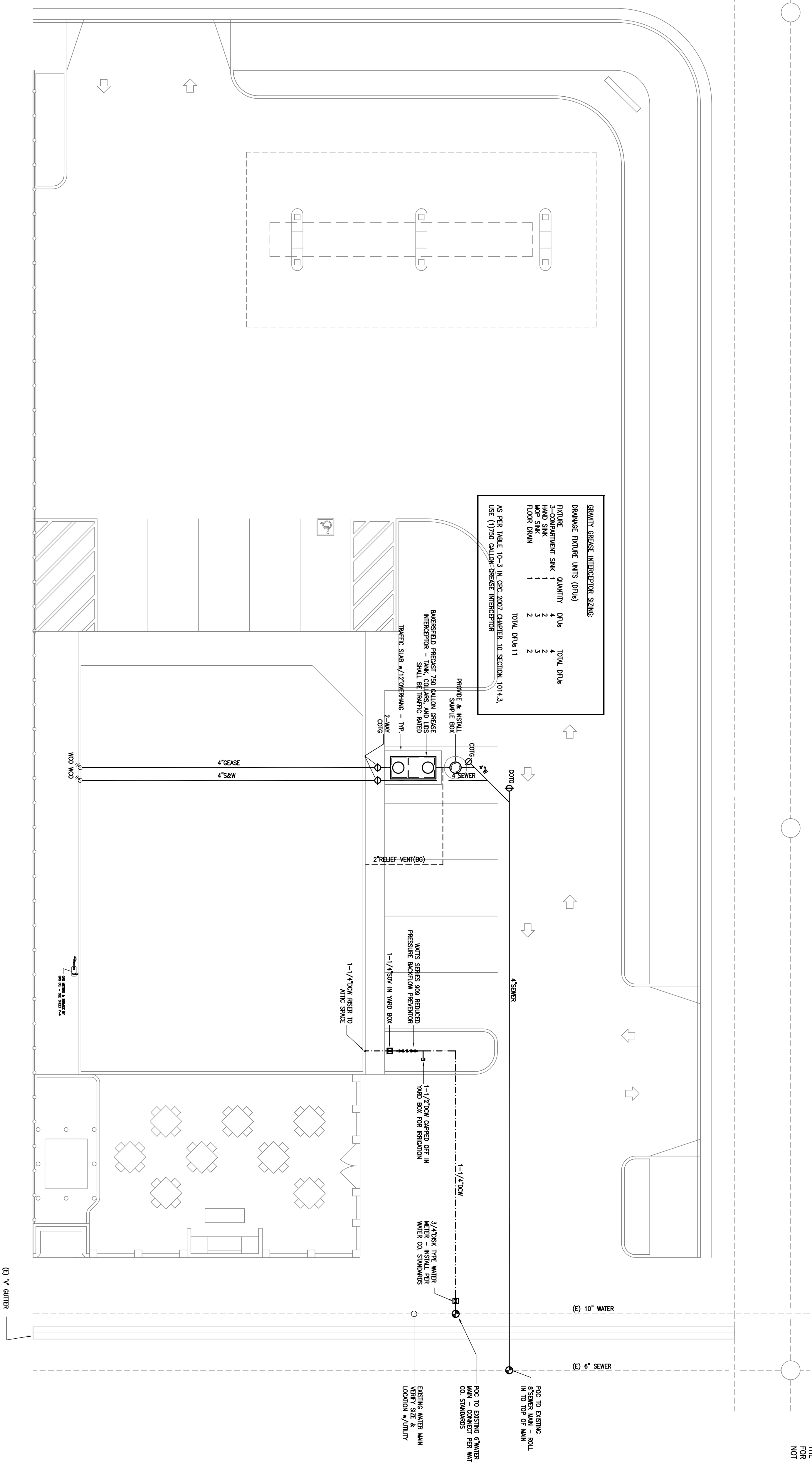
PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	DCW	DHW	SAW	TRAP	VENT
MC	TOILET	1/2"	-	4"	INT.	2"
L	LUCERNE LAVATORY	1/2"	1/2"	2'-1-1/4"	2"	2"
FD	FLOOR DRAIN	-	-	2"	2"	2"
ES	COATED FLOOR SINK	-	-	2"	2"	2"
TP	TRAP PRIMER	1/2"	-	-	-	-
M	ICE-MAKER CONNECTION	1/2"	-	-	-	-
MH	WATER HEATER	3/4"	3/4"	-	-	-
SS	SINK	1/2"	1/2"	2'-1-1/2"	2"	2"
S	SQUILREY SINK	1/2"	1/2"	2'	-	2"
S	PREP SINK	1/2"	1/2"	2'	-	2"
HS	HAND SINK	1/2"	1/2"	2'-1-1/4"	2"	2"

NOTE: OWNER TO APPROVE ALTERNATE FIXTURES. MAKE & MODEL OF ALTERNATE FIXTURES SHALL BE EQUIVALENT TO SCHEDULED, WITH RESPECT TO SPECIFICATION AND PERFORMANCE ONLY.



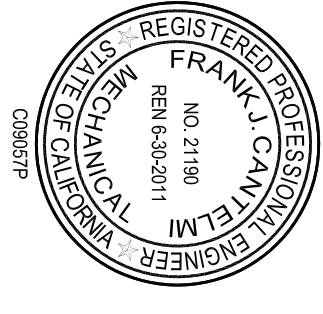
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 UNDERGROUND SERVICE ALERT (USA)



**PLUMBING SITE PLAN**

SCALE: 1" = 10'-0"



PS1  
 SHEET 1 OF 1

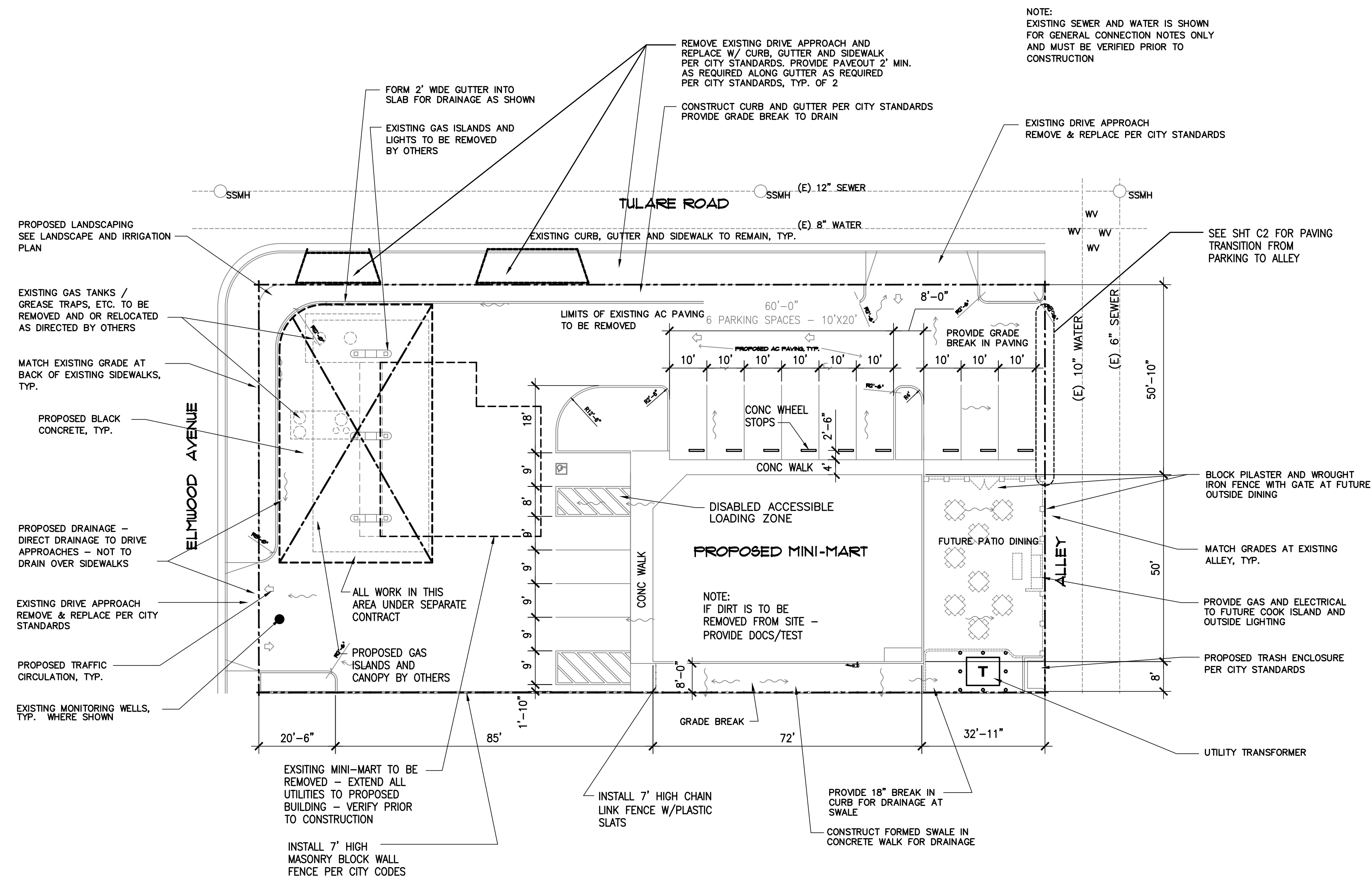
PLUMBING SITE PLAN  
**PROPOSED CONVENIENCE STORE FOR:**  
 WILLIES MARKET  
 690 N ELMWOOD AVE  
 LINDSAY, CA

REVISION	DATE
DRAWN	12/18/09
A.F.	

JOB NO. C09-057  
 SHEET NO.

**Glenn Hartzell-Architect**  
 1800 21st STREET, SUITE C  
 BAKERSFIELD, CALIFORNIA 93301  
 ARCHITECT C-10298  
 (661) 324-5252  
 FAX (661) 324-8439





# SITE PLAN

SCALE : 1" = 20'



VICINITY MAP

NOTE:  
EXISTING SEWER AND WATER IS SHOWN  
FOR GENERAL CONNECTION NOTES ONLY  
AND MUST BE VERIFIED PRIOR TO  
CONSTRUCTION

### SITE SUMMARY

LEGAL DESCRIPTION = 690 N ELMWOOD AVE  
 APN No. = 205-093-003  
 LOCAL ZONING = CN  
 EXISTING USE = NEIGHBORHOOD COMMERCIAL  
 SQUARE FOOTAGE = 2,017 SF - THIS SPACE

### BUILDING SUMMARY

PROPOSED USE = MINI MARKET  
 CONSTRUCTION TYPE = TYPE V, NON RATED  
 NUMBER OF STORIES = ONE  
 BUILDING HEIGHT = 28'-6"  
 OCCUPANCY GROUP = -  
 OCCUPANT LOAD = -

### PARKING

NEW WILLIES MARKET		TOTAL	REQUIRED
3,600 SF	STORAGE	0	0
680 SF	KIT/OFFICE/COUNTER	200	3.4
363 SF	WALK-IN BOX	200	10.0
2,017 SF	SF STORE		13.4
			15.0 SPACES

### BUILDING CODES

THIS PROJECT SHALL COMPLY W/ THE CURRENT  
 APPROVED CODES BY LOCAL AUTHORITY AND  
 THIS PROJECT SHALL COMPLY W/ THE FOLLOWING CODES:

- 2007 CA. BUILDING CODE (CBC)
- 2007 CA. MECHANICAL CODE (CMC)
- 2007 CA. PLUMBING CODE (CPC)
- 2007 CA. ELECTRICAL CODE (CEC)
- 2005 CA. ENERGY EFFICIENCY STANDARD CODE (CECS)
- 2007 CA. HISTORICAL CODE
- 2007 CA. EXISTING BUILDING CODE

ACCESS FOR THE DISABLED - PER STATE &  
 LINDSAY COUNTY ORDINANCES AND THEIR AMENDMENTS:

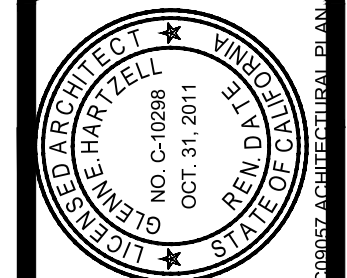
### DIRECTORY

PLUMBING/MECHANICAL ENGINEER: FRANK CANTELM ENGINEERING  
 1800 21st ST. STE C  
 BAKERSFIELD, CA 93301  
 TEL: (661) 324-5252  
 FAX: (661) 324-8439  
 REP: FRANK CANTELM  
 EMAIL: CANTELM@CANTELM.NET

ARCHITECT/ELECTRICAL: GLENN HARTZELL  
 1800 21st ST. STE C  
 BAKERSFIELD, CA  
 TEL: (661) 324-5252  
 FAX: (661) 324-8439

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- A-5 EXTERIOR ELEVATIONS
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- 11 LANDSCAPE & IRRIGATION NOTES
- T-24 TITLE 24 COMPLIANCE



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REVISION	DATE	BY
	12/18/09	

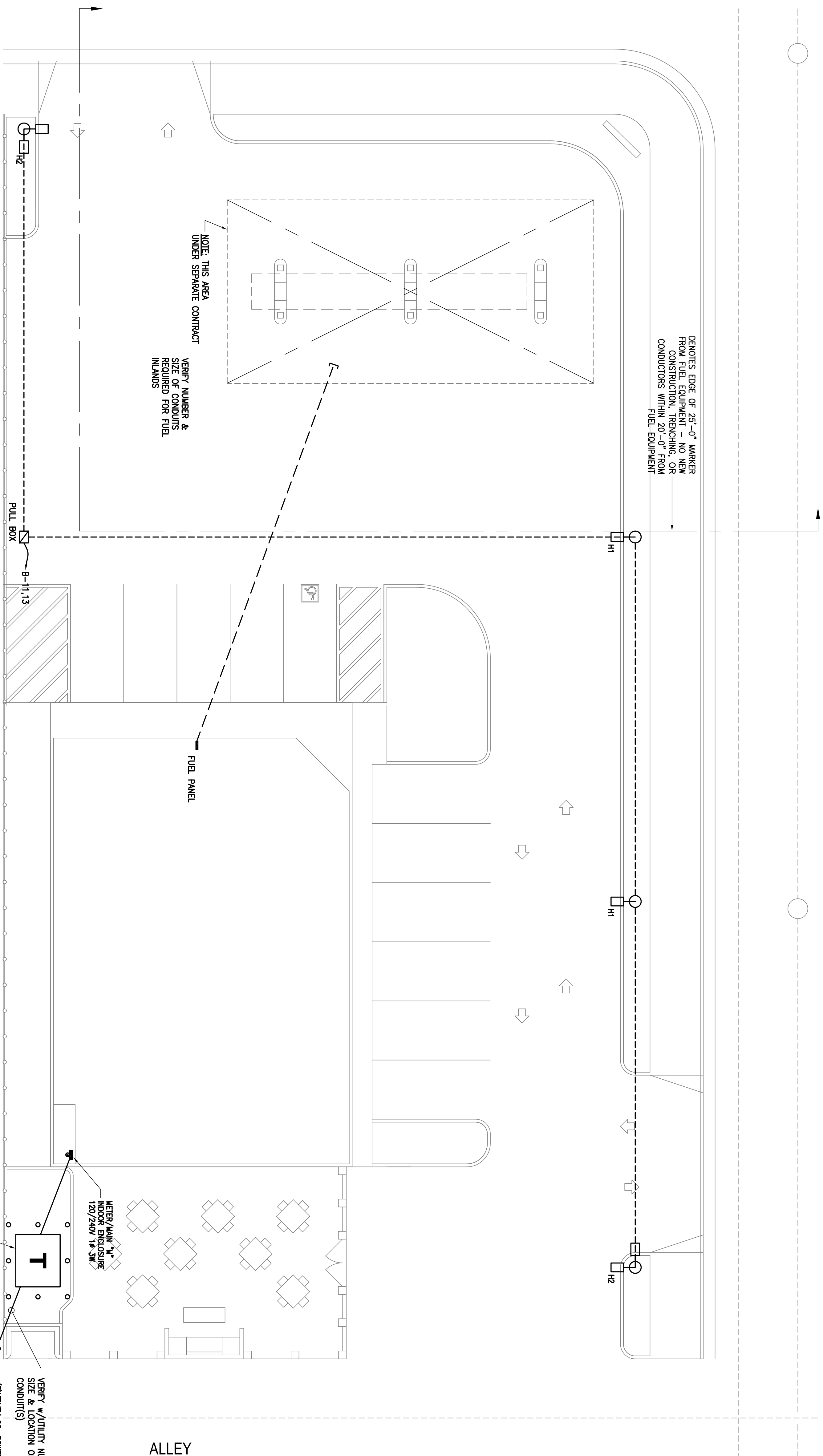
VICINITY MAP - SITE PLAN - GENERAL NOTES  
 PROPOSED CONVENIENCE STORE FOR:  
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JOB NO.  
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**SA-1**  
 SHEET 1 OF 1

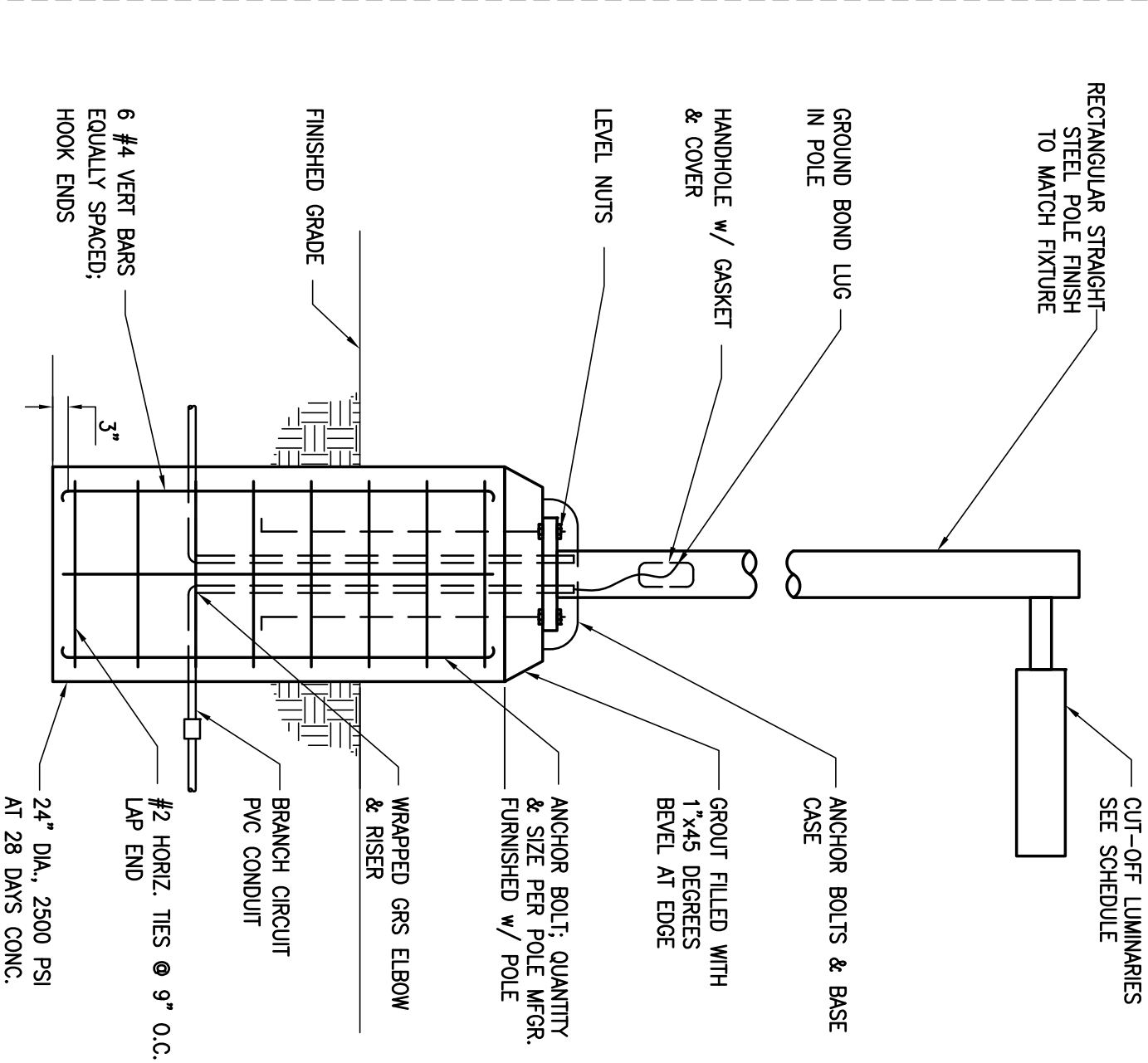
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**SITE PLAN**

SCALE: 1" = 10'-0"



SITE POLE LIGHT FIXTURE - TYP.  
 TYPE "H2" & "H3" SIMILAR

**GENERAL NOTES**

1. COORDINATE SITE TRENCHING WITH TELECO. REPRESENTATIVES PRIOR TO START OF ALL WORK. CABLE TELEVISION TO BE PROVIDED TO ALL TENANTS.
2. VERIFY ALL SERVICE ARRANGEMENTS WITH ALL UTILITY REPRESENTATIVES PRIOR TO START OF ALL WORK.
3. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND WIRE FOR MONITORING OF FIRE SPRINKLER SYSTEM - VERIFY REQUIREMENTS W/ FIRE CONTRACTOR.

JOB NO. <b>C09-057</b>	SHEET NO. <b>SEE-1</b>	ELECTRICAL SITE PLAN - DETAILS	
		PROPOSED CONVENIENCE STORE FOR: WILLIES MARKET 690 N ELMWOOD AVE LINDSAY, CA	
DATE 12/22/2009	DATE 12/18/09	REVISION	
DRAWN A.F.			

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 LICENSED ARCHITECT  
 STATE OF CALIFORNIA  
 NO. C-10298  
 OCT. 31, 2011