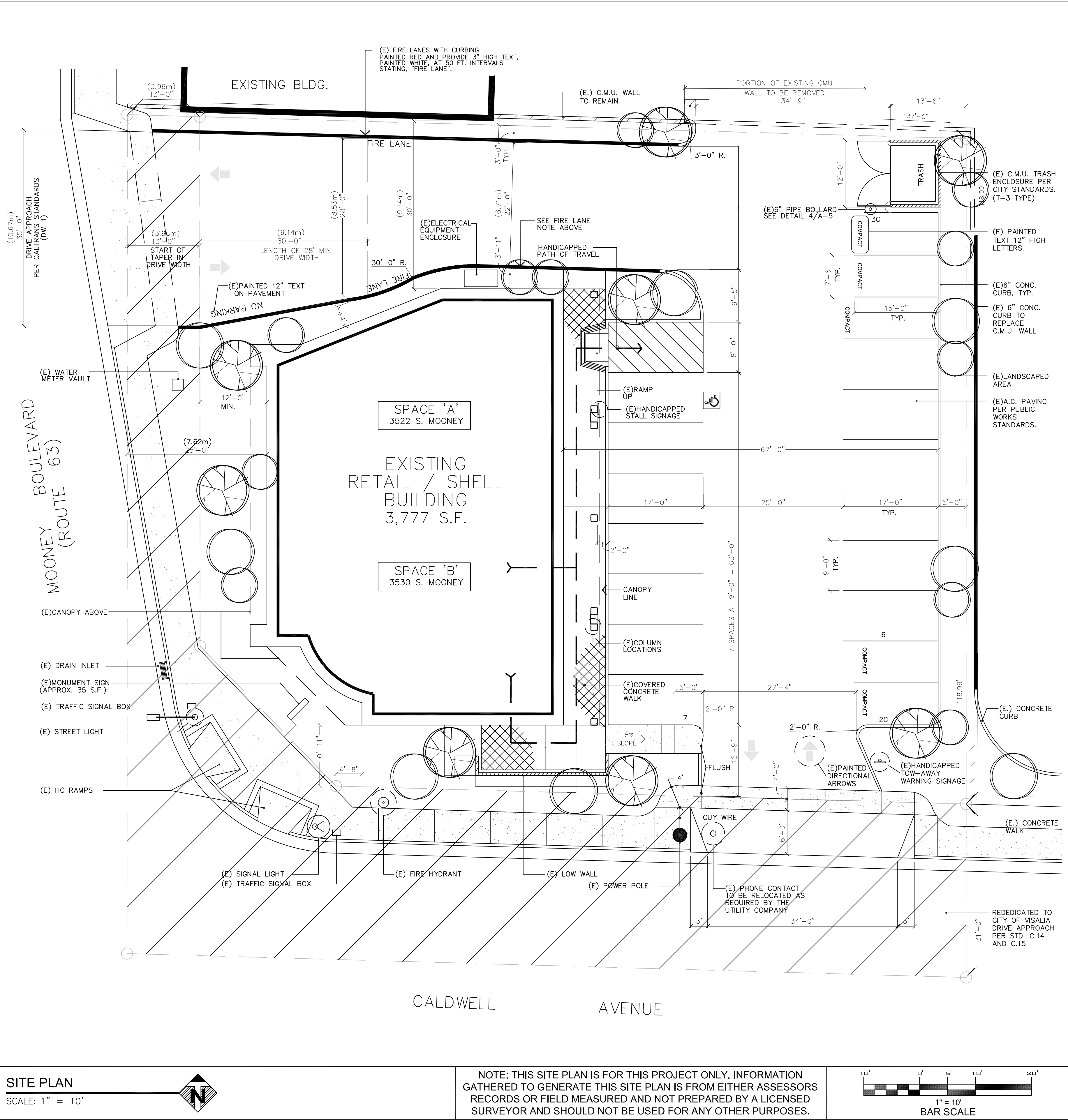
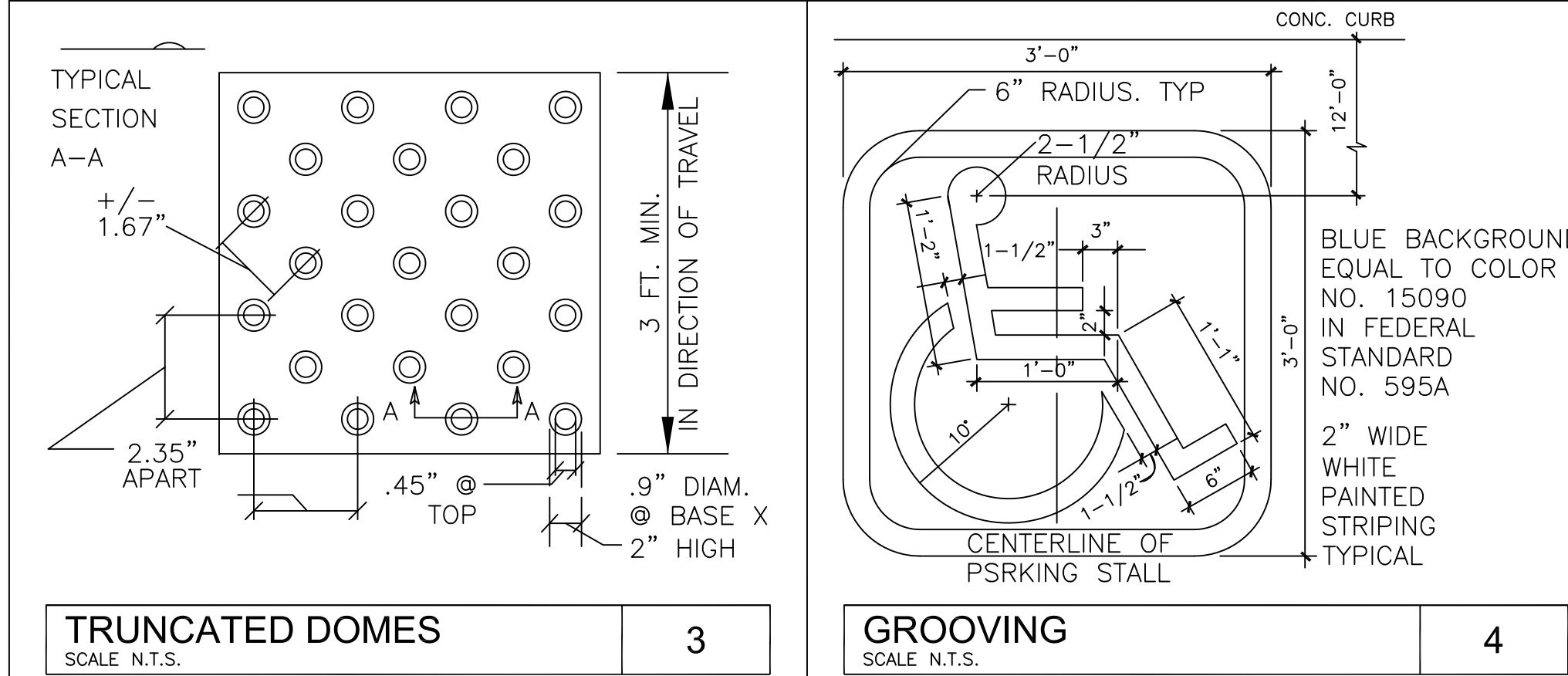
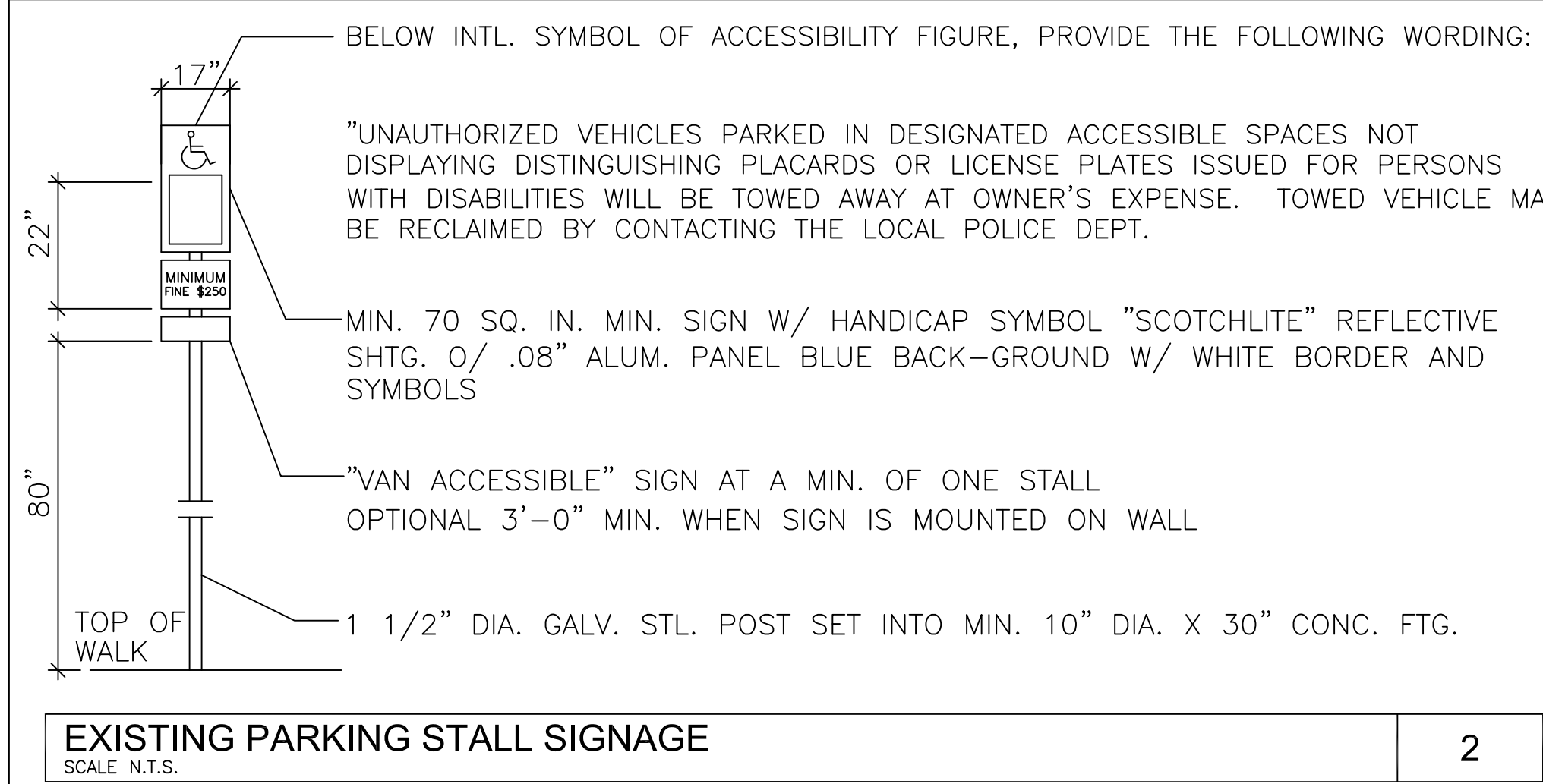
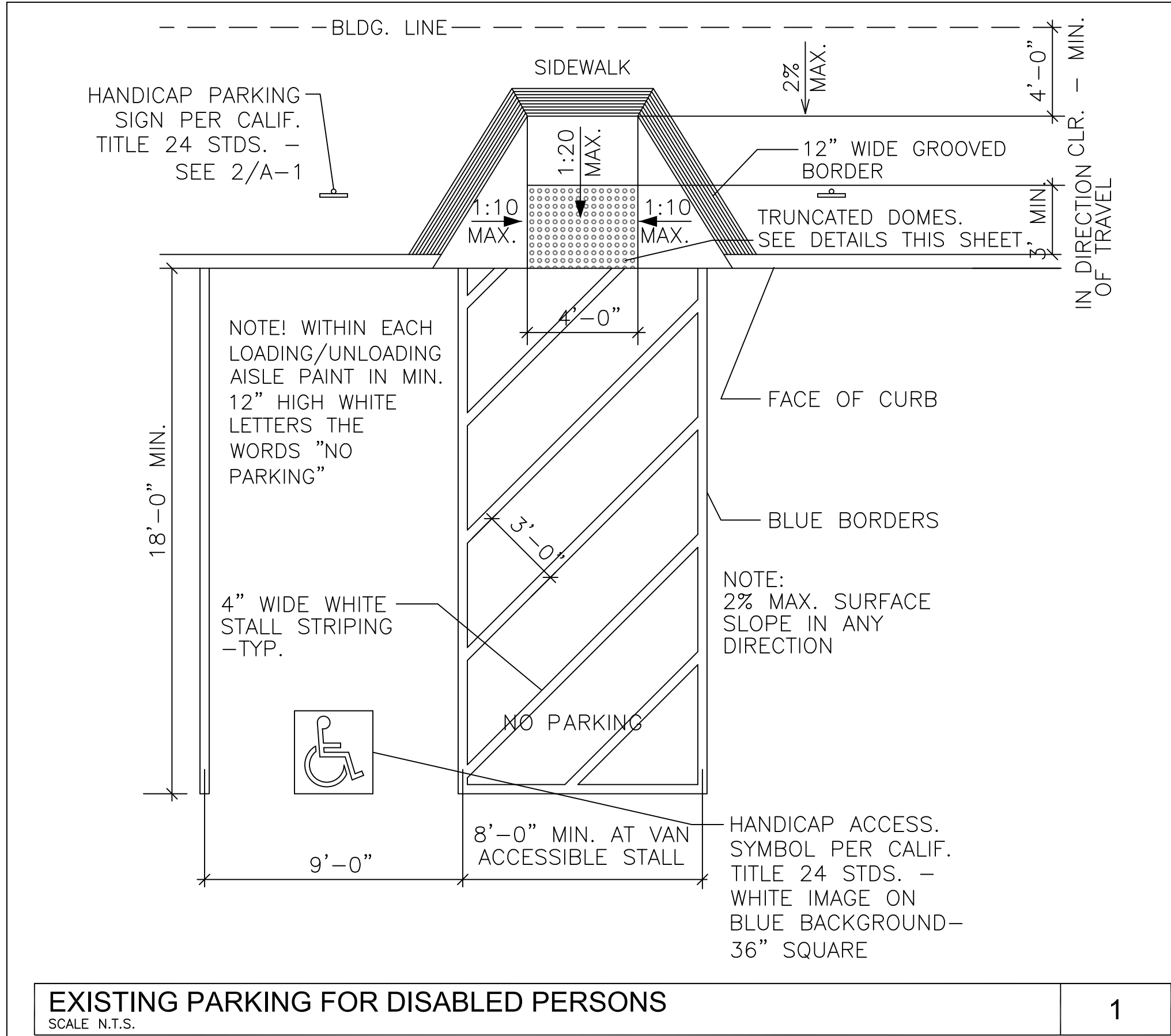






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DESIGNERS SIGNATURE

JURISDICTION

BUILDING DEPARTMENT

NAME:
CITY OF VISALIA

ADDRESS:
315 E. ACEQUIA AVE.
VISALIA, CA 93291

PHONE:
559-713-4444

OWNER

BUILDING OWNER

NAME:
NEIL ANGELLILLO
TRUE NORTH PROPERTIES

ADDRESS:
1155 W. SHAW #104
FRESNO, CA 93711

PHONE:
559-222-5768

TENANT

TENANT

NAME:
STANTON OPTICAL

ADDRESS:
3801 CONGRESS AVE.
PALM SPRINGS, FL 33461

PHONE:
561-275-2020

GEN. CONTRACTOR

CONTRACTOR

COMPANY:
T.B.D.

NAME:

LIC #:

ADDRESS:

PHONE:

EXISTING SITE PLAN

CONSTRUCTION SITE

SITE ADDRESS:
3530 S. MOONEY BLVD.
VISALIA, CA 93277

SITE APN:
122-290-026-000

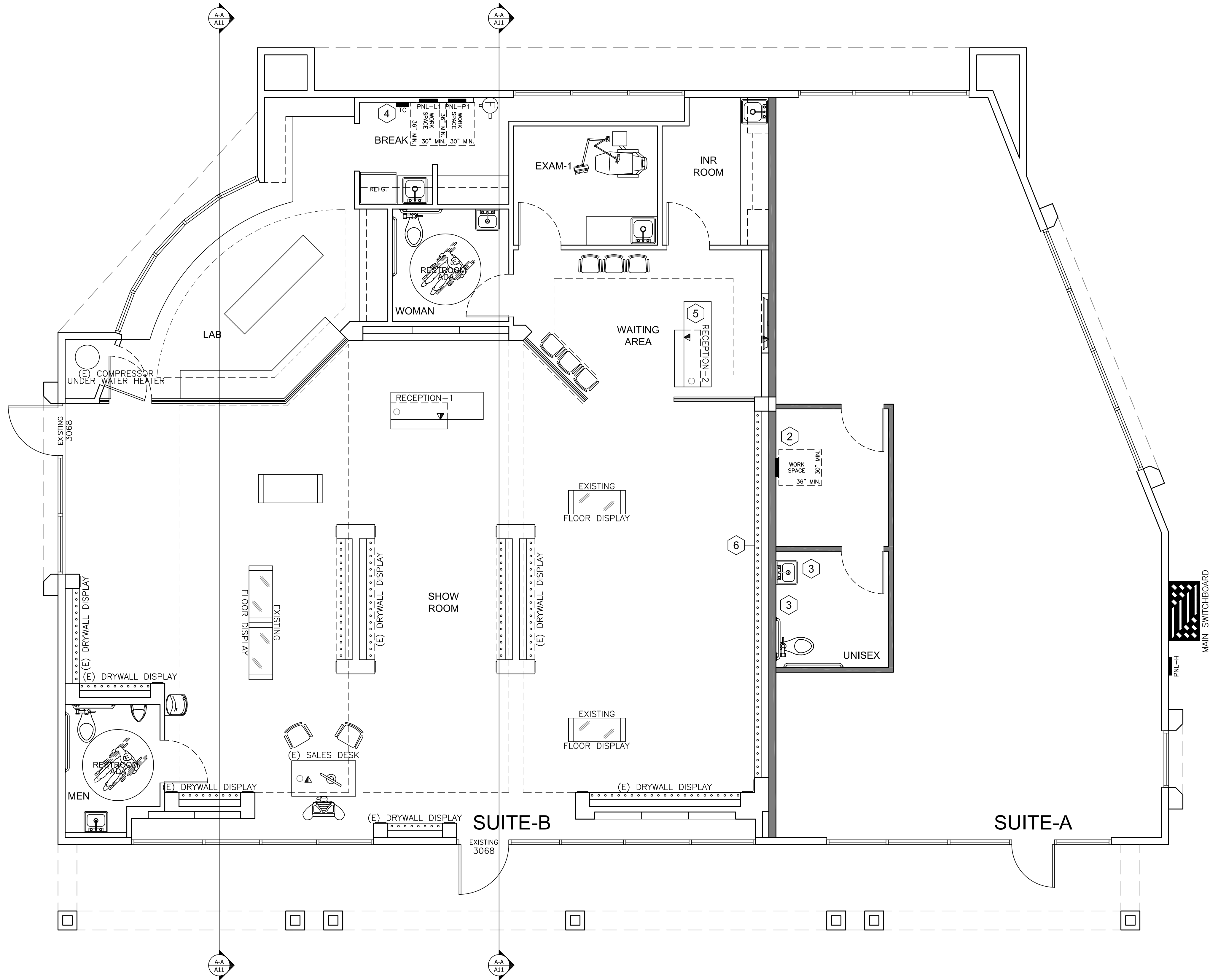
DRAWING INFORMATION

REVISION DATE
12-29-14

FILE NAME:
14-1010-STANTON-VISALIA

DRAWING SCALE:
1" = 10'

A1



EXISTING FLOOR PLAN

SCALE: 1/4" = 1'

DEMOLITION KEYNOTES

1. NOT USED
2. REMOVE EXISTING SUB PANEL AND RE-ROUT FEEDERS PER PLAN
3. REMOVE EXISTING FIXTURES AND CAP PLUMBING LINES.
4. MODIFY EXISTING LIGHTING CONTROL TO SERVE ENTIRE SUITE. SEE LIGHTING PLAN ON SHEET-E2
5. RELOCATE SALES DESK. SEE PROPOSED FLOOR PLAN ON SHEET-A3 FOR NEW LOCATION
6. MODIFY AND MOVE EXISTING BACKLIT DISPLAYS TO THE NEW SPACE (RE-USE TO FABRICATE NEW DISPLAYS. SEE PROPOSED FLOOR PLAN ON SHEET-A3)

FRAMING LEGEND

- 4 = EXIST. 4x4 POST 6 = EXIST. 6x6 POST
- = EXISTING WOOD STUDS @ 16" O.C.
- = EXIST. NON BEARING PARTITION WALL TO BE REMOVED

NOTE:

1. A DEMOLITION RENOVATION PERMIT SHALL BE REQUIRED FOR THIS PROJECT
2. A PORTABLE FIRE EXTINGUISHER SHALL BE PROVIDED DURING AND SOLDERING OR BRAZING OPERATIONS PER C.F.C. SECTION 1404.6
3. AT NO TIME DURING CONSTRUCTION ARE THE PREMISES TO BE OBSTRUCTED IN SUCH MANNER AS TO PROHIBIT ACCESS BY FIRE DEPARTMENT OF EMERGENCY SERVICES

RECYCLING OF ALL DEMOLITION WASTE MUST MEET THE MIN. REQUIREMENTS AS SET FORTH BY THE CALIFORNIA GREEN BUILDING STANDARDS AND AS ADOPTED BY THE LOCAL AGENCY HAVING JURSDICTION OVER THIS PROJECT

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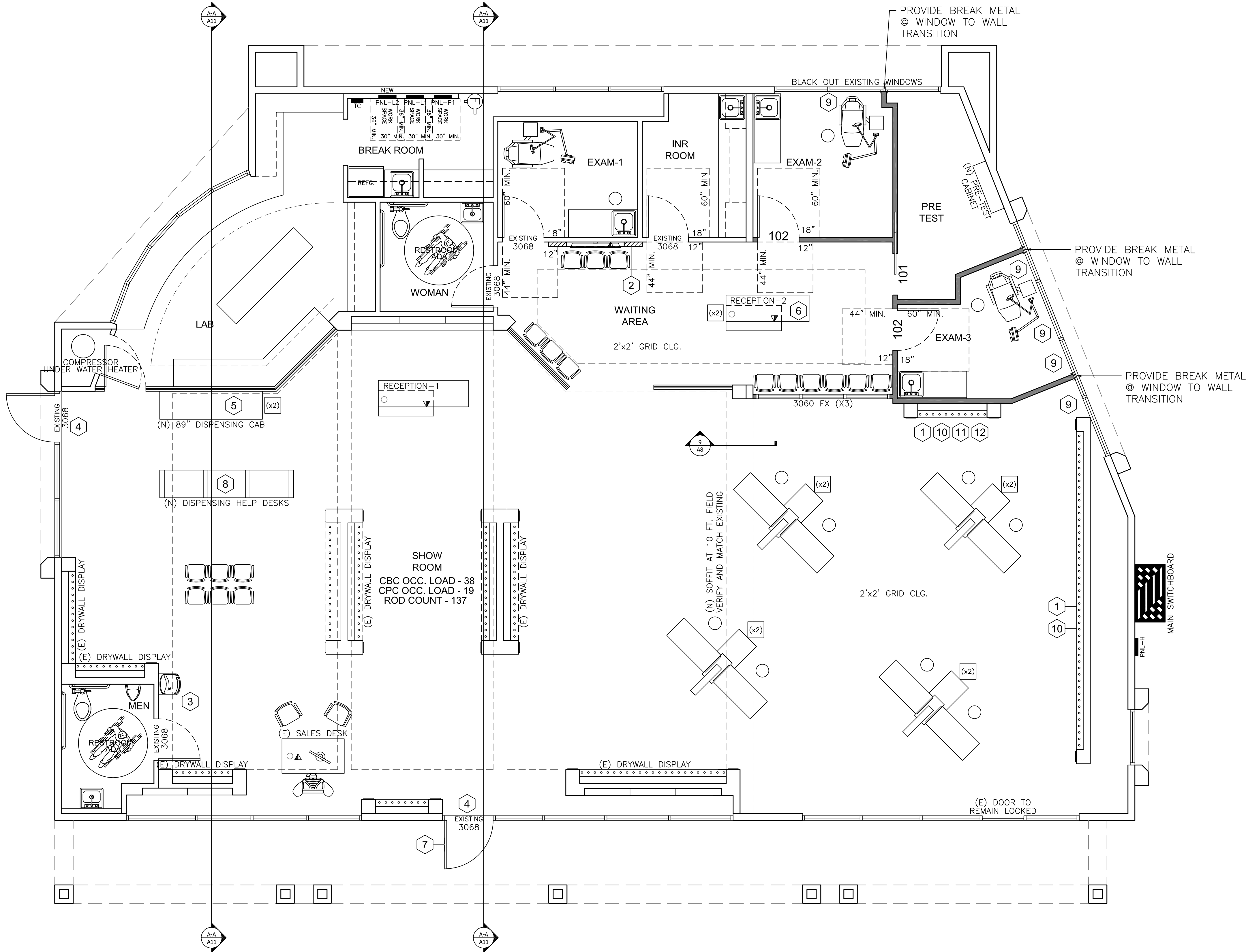
EXISTING FLOOR PLAN

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DRAWING SCALE:
1/4" = 1'

A2

PROPOSED FLOOR PLAN

SCALE: 1/4" = 1'



CONSTRUCTION KEYNOTES

- NEW BUILT IN DRYWALL DISPLAYS. SEE SHEET-A8, A9, FOR FURTHER DETAILS OTHERWISE REFER TO SHOP DRAWINGS FOR DETAILS AND BACKING LOCATIONS. ALL DRYWALL DISPLAYS NOT LABELED ARE EXISTING.
- FURRED WALL WITH TV AREA. SEE SHEET-A7 & A9 FOR FURTHER DETAILS
- CONTRACTOR SHALL VERIFY EXISTING SINGLE DRINKING FOUNTAIN COMPLIES WITH DETAIL-5 ON SHEET-A8
- CONTRACTOR SHALL VERIFY STOREFRONT AND EGRESS DOORS MAX. EFFORT TO OPERATE DO NOT EXCEED 5 LBS. ADJUST CLOSER ACCORDINGLY
- 19" DEEP DISPENSING CAB
- RELOCATED SALES DESK
- PRIMARY ENTRANCE H.C. SIGN
- DISPENSING HELP DESKS PROVIDED BY OWNER
- BLACK OUT EXISTING WINDOWS
- RELOCATED BACKLIT DISPLAYS. MODIFY AS NEEDED. RE-USE THE PLENI, DURTRAN AND LIGHTING FROM THE EXISTING DISPLAYS BEING REMOVED.
- CONTRACTOR TO PROVIDE NEW CLEAR AND WHITE PLEXI
- OWNER WILL PROVIDE LIGHTS / DURTRAM / LUCIK POLES & GROMMITS

FRAMING LEGEND

- 4 = EXIST. 4x4 POST 6 = EXIST. 6x6 POST
- = EXISTING STUDS @ 16" O.C.
- = PROP 2x4 WOOD STUDS
- /// = PROP FURRED WALL

NOTE: SEE SHEET A7 FOR DOOR SCHEDULE
NOTE: SEE SHEET A8 FOR PARTITION DETAILS

INTERIOR / EXTERIOR:

CONTRACTOR SHALL CHECK AND VERIFY SIZE AND LOCATION OF DUCT OPENINGS AND PLUMBING RUNS WITH MECHANICAL CONTRACTOR BEFORE FRAMING WALLS, FLOORS, ECT.

EXTEND ALL STUDS AND WALL MATERIALS 6" MIN. ABOVE T-BAR.

WHERE OCCURS, CONTRACTOR SHALL PATCH ANY EXISTING WALLS AND/OR CEILINGS AS NEEDED TO REFURBISH THE LEASE SPACE AND REPAIR ALL DAMAGES CAUSED BY CONTRACTOR.

ALL GLASS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 24 OF THE CBC.

GENERAL ELECTRICAL:

EMERGENCY LIGHTING SHALL BE 2 SEPARATE SOURCES OF POWER AND SHALL COMPLY WITH THE 2013 CBC & CEC.

WHEN PLYWOOD BACKBOARDS ARE REQUIRED IN TELEPHONE AND ELECTRICAL EQUIPMENT ROOMS, THEY SHALL BE PAINTED TO MATCH ADJACENT WALL.

THE CENTER OF SWITCHES SHALL BE NO MORE THAN 48 INCHES ABOVE THE FLOOR, VERIFY AND MATCH EXISTING.

CENTERLINE OF 15, 20, AND 30 AMP RECEPTACLES SHALL NOT BE LESS THAN 18 INCHES CENTERED ABOVE FLOOR. FLOOR OUTLETS ARE ACCEPTABLE NEXT TO SLIDING PANELS / WALLS AND OTHER SPECIAL CONVENIENT LOCATIONS.

TITLE 24-ENERGY COMPLIANCE:

ENVELOPES COMPLIANCE AND STATEMENT OF DESIGN COMPLIANCE: THE CALIFORNIA ENERGY CONSERVATION STANDARDS FOR NONRESIDENTIAL BUILDING SHALL BE REVIEWED AND COMPLIED WITH DURING THE CONSTRUCTION AND TENANT IMPROVEMENT WORK SCOPE OF THIS PROJECT.

JOB SITE

WHERE EXISTING TENANTS / BUSINESSES ARE ADJACENT TO THE JOB SITE / TENANT, THE CONTRACTOR SHALL MINIMIZE CONSTRUCTION NOISE- EXTREME NOISE CONSTRUCTION SHALL OCCUR AT NON-TYPICAL BUSINESS HOURS. CONTRACTOR SHOULD NOTIFY BUILDING REPRESENTATIVES OF SPECIAL CIRCUMSTANCES IN ADVANCE PRIOR TO WORK.

THE CONTRACTOR AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREA FREE FROM DUST AND DEBRIS. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.

CONSTRUCTION DEBRIS AND WASTES SHALL BE DEPOSITED AT AN APPROPRIATE SITE. THE CONTRACTOR SHALL INFORM THE BUILDING REPRESENTATIVE OF THE LOCATION OF DISPOSAL SITES.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL CLEANING OF THE JOB AFTER ITS COMPLETION. WHERE APPLICABLE, CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO, THE EXTERIOR AND THE INTERIOR OF THE BUILDING, THE PATH OF TRAVEL TO THE JOB SITE, PARKING LOTS, ELEVATORS, LOBBIES, AND CORRIDOR CARPETS.

THE CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION IN ACCORDANCE WITH UBC CHAPTER 33, WHERE REQUIRED.

IF TRENCHES OR EXCAVATIONS 5' OR MORE IN SAFETY TRENCH PLAN IS TO BE SUBMITTED.

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1/4" = 1'

A3

DOOR NOTE:

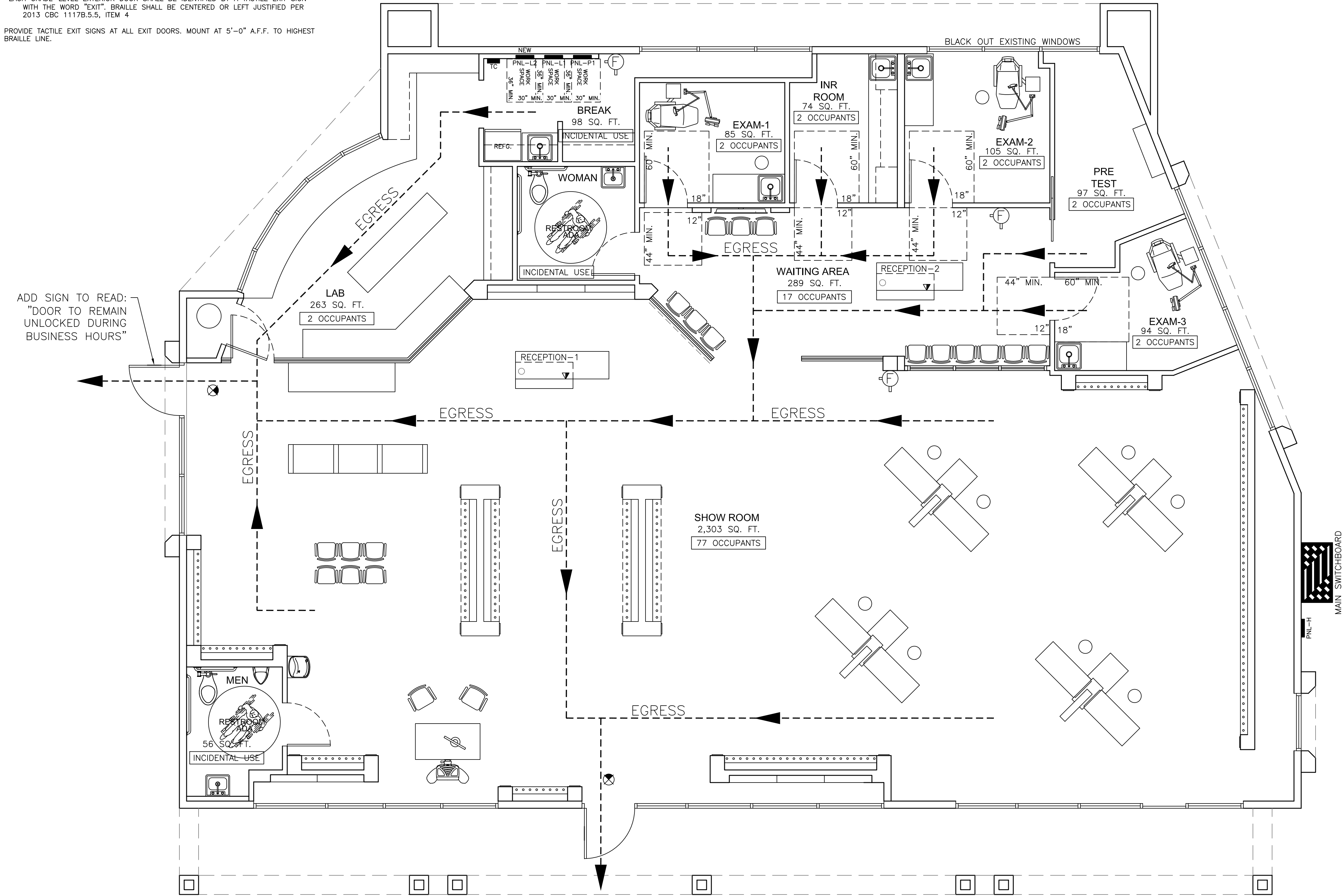
PANIC HARDWARE REQUIRED
—OR—
DOOR HARDWARE:

DOUBLE KEYED DEADBOLT MAY BE USED ON THE MAIN EXIT ONLY WHERE THE MAIN EXIT CONSISTS OF A SINGLE DOOR OR A PAIR OF DOORS WHERE THERE IS A READILY VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING " THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS".

TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS AND COMPLY WITH SECTION 1117B.5.1: 2013 CBC 1011.3

EACH GRADE-LEVEL EXTERIOR DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT". BRAILLE SHALL BE CENTERED OR LEFT JUSTIFIED PER 2013 CBC 1117B.5.5, ITEM 4

PROVIDE TACTILE EXIT SIGNS AT ALL EXIT DOORS. MOUNT AT 5'-0" A.F.F. TO HIGHEST BRAILLE LINE.



FIRE LIFE SAFETY

SCALE: 1/4" = 1'

OCCUPANT LOAD

ROOM	USE	OVERALL SQ. FT.	DEDUCTIONS (CABS)	REMAINING SQ. FT.	TOTAL OCCUPANTS
SHOW ROOM	MERCANTILE	2,303	N/A	2,303	77
WAITING AREA	WAITING AREA	289	N/A	289	17
LAB	LENS CRAFTING	263	N/A	263	2
EXAM-1	PATIENT ROOM	85	N/A	85	2
EXAM-2	PATIENT ROOM	105	N/A	105	2
EXAM-3	PATIENT ROOM	94	N/A	94	2
PRE-TEST	PATIENT ROOM	97	N/A	97	2
I & R ROOM	PATIENT ROOM	74	N/A	74	2
BREAK ROOM	INCIDENTAL USE	98	N/A	98	-
RESTROOM-1	INCIDENTAL USE	56	N/A	56	-
STORAGE	INCIDENTAL USE	65	N/A	65	-

(1) EXAM ROOM AND BREAK ROOM OCCUPANCY HAS BEEN INCREASED IN ACCORDANCE WITH C.B.C. SEC. 1004.2

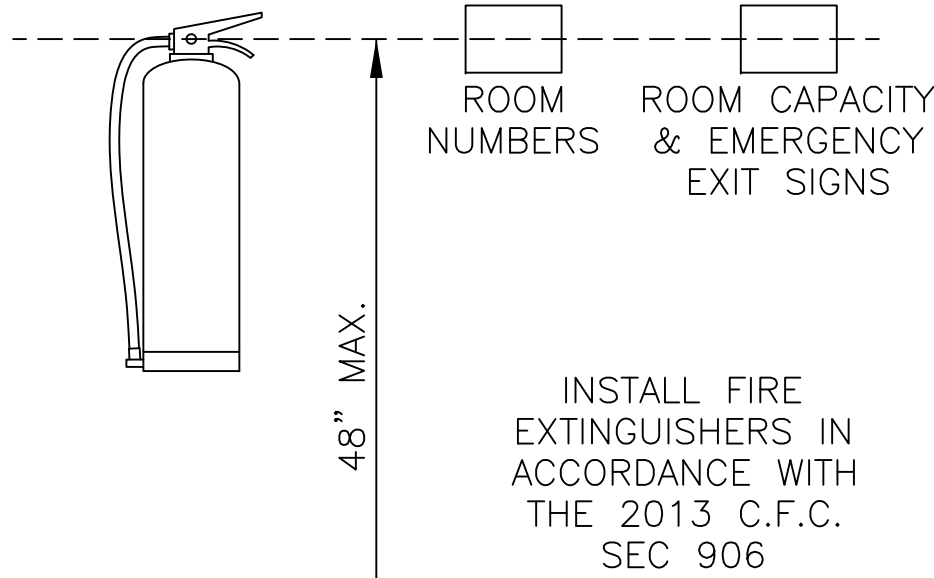
TOTAL OCCUPANTS 106

FIRE EXTINGUISHER REQUIREMENTS

PROVIDE A MIN OF 3 FIRE EXTINGUISHER WITH A 2A: 10-B:C MIN. RATING. LOCATION OF FIRE EXTINGUISHERS TO BE APPROVED BY FIRE MARSHAL

F = FIRE EXTINGUISHER

FIRE EXTINGUISHER MOUNTING HEIGHT



FINISHED FLOOR

FIRE EXTINGUISHER MOUNTING HEIGHT

FIRE DEPT. NOTES:

- FIRE DEPT. FINAL INSPECTION REQUIRED. SCHEDULE INSPECTIONS 2 DAYS IN ADVANCE.
- LOCATIONS AND CLASSIFICATIONS OF FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO THE APPROVAL OF THE FIRE INSPECTION. VERIFY QUANTITY AND EXACT LOCATION FROM FIRE DEPARTMENT PRIOR TO ORDERING.
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS. THE STORAGE AND USE OF HAZARDOUS MATERIALS SHALL BE APPROVED BY THE FIRE AUTHORITY PRIOR TO ANY MATERIALS BEING STORED OR USED ON SITE. A SEPARATE PLAN SUBMITTAL IS REQUIRED PRIOR TO THE STORAGE AND USE OF HAZARDOUS MATERIALS.
- BUILDING NOT APPROVED FOR HIGH-PILED STOCK (MATERIALS IN CLOSELY PACKED PILES OR ON PALLETS, OR IN RACKS WHERE THE TOP OF THE STORAGE EXCEEDS 12 FEET IN HEIGHT, AND 6 FEET FOR GROUP A PLASTICS AND CERTAIN OTHER HIGH-HAZARD COMMODITIES). HIGH-PILED STOCK SHALL BE APPROVED BY THE FIRE AUTHORITY PRIOR TO MATERIALS BEING STORED ON SITE. A SEPARATE PLAN SUBMITTAL IS REQUIRED FOR HIGH-PILED STORAGE IN ACCORDANCE WITH THE UNIFORM FIRE CODE, ARTICLE 81.
- FIRE SPRINKLER SYSTEM(S) PER UBC STD. 38-1 AND NFPA STD. 13 SHALL BE PROVIDED TO PROTECT ENTIRE BUILDING INCLUDING PROJECTIONS OVER 4 FEET AND SPRAY BOOTH.
- FIRE SPRINKLERS SYSTEM(S) AND ALL CONTROL VALVES, INCLUDING EXTERIOR SHALL BE SUPERVISED BY A U.L. LISTED CENTRAL ALARM STATION OR PER UFC, ART. 74.
- PLANS OF NEW OR MODIFICATIONS TO EXISTING FIRE PROTECTION, DETECTION, ALARM OR MONITORING SYSTEM(S) SHALL BE APPROVED BY THE FIRE AUTHORITY TO INSTALLATION. A SEPARATE PLAN FOR SUBMITTAL AND APPROVAL IS REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORK.
- ACCESS GATES SHALL BE IN COMPLIANCE WITH UNIFORM FIRE CODE, SECTION 902 AND FIRE DEPARTMENT GUIDELINES. A SEPARATE PLAN SUBMITTAL AND APPROVAL IS REQUIRED.
- A LETTER OF INTENDED USE MAY BE REQUIRED BY THE FIRE INSPECTOR.

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FIRE, LIFE, SAFETY

CONSTRUCTION SITE

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VISALIA, CA 93277

SITE APN:

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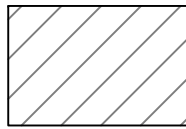
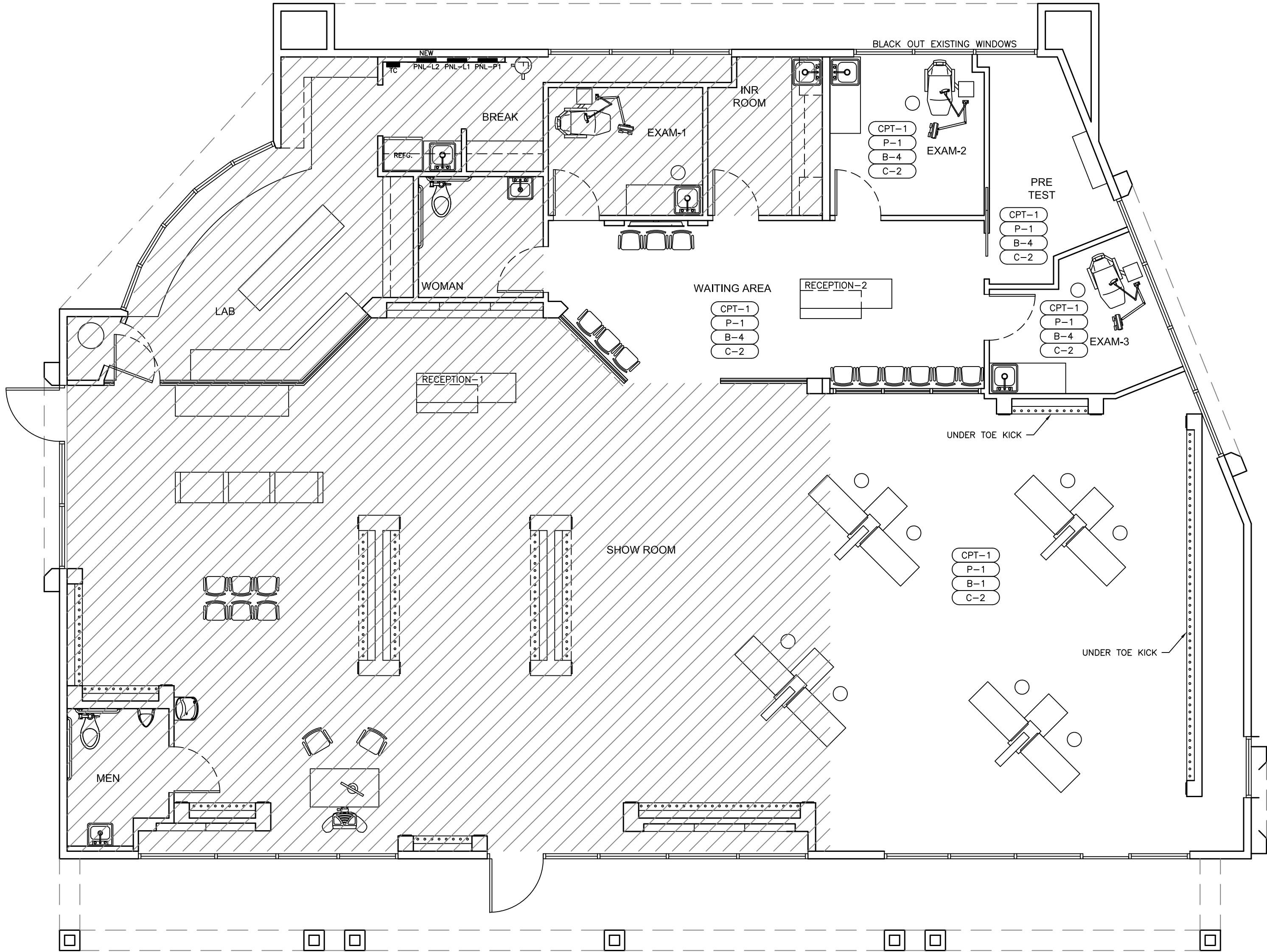
1/4" = 1'

A4

FINISH SCHEDULE									
ROOMS	WALLS	FLOORS	FLOOR BASE	FL/BASE DTL.	CLG. FINISH	CLG. HGT	REMARKS	SUPPLIED BY	INSTALLED BY
MANAGER'S OFFICE	PT-1	VCT-1	B-1		C-2	10'-0"		SEE RESPONSIBILITY MATRIX THIS SHEET	CONTRACTOR
UTILITY	PT-1	VCT-1	B-1		C-2	10'-0"			CONTRACTOR
BREAK ROOM	PT-1	VCT-1	B-1		C-2	10'-0"			CONTRACTOR
EXAM ROOM	PT-1	CPT-1	B-4		C-2	10'-0"	G.C. TO COORDINATE SIZES AND LOCATIONS OF MIRRORS TO BE INSTALLED WITH OWNER		CONTRACTOR
PRE-TEST ROOM	PT-1	CPT-1	B-4		C-2	10'-0"			CONTRACTOR
RECEPT. #1 MAIN ROOM	PT-1/ PT-2	CPT-1/ WD-1	B-4	2/A5	C-2	10'-0"	PT-2 BEHIND RECEPTION DESK # 1 AS INDICATED ON PLAN		CONTRACTOR
RECEPT. #2 WAITING AREA	PT-1	CPT-1	B-4		DRYWALL /C-2	10'-0"			CONTRACTOR
LENSE ROOM	PT-1	CPT-1	B-4		C-2	10'-0"	G.C. TO COORDINATE SIZES AND LOCATIONS OF MIRRORS TO BE INSTALLED WITH OWNER		CONTRACTOR
RESTROOMS	PT-1	CT-1	CT-1	1/A5	C-2	10'-0"	WATER RESISTANT / GLOSS PAINT		CONTRACTOR
HALLWAY	PT-1	CPT-1	B-4		DRYWALL	10'-0"			CONTRACTOR

NOTE: ALL DOORS AND FRAMES TO BE PT-2 BENJAMIN MOORE DECORATOR WHITE EGGSHELL. WALLS TO BE EGGSHELL DOORS & FRAMES TO BE SEMI GLOSS

FINISH SPECIFICATIONS			
DESCRIPTION		REMARKS	
FLOORING			
CPT-1	PATCRAFT – MODEL #10037-37605 DUPLICATION / DOUBLE EXPOSURE		
CPT-2	PATCRAFT – MODEL #EBB-Z6422 REEF 00735		ALTERNATE FOR CPT-A – VERIFY W/ OWNER / GC
MT-1	NOT USED		
VCT-1	TARKETT – MANNINGTON ESSENTIALS 121 SILVER WHITE		CONTACT – OFFICE (800) 558-2240 WWW.TARKETT-COMMERCIAL.COM
VCT-2	N/A		
WD-2	N/A		
T-1,2,3	ROPPE		DARK BROWN
BASE			
B-1	ROPPE – MODEL #120 TAN – 700 SERIES VINYL		
B-2	ROPPE – MODEL #170 WHITE – 700 SERIES VINYL		
B-3	NOT USED		
B-4	PATCRAFT – MODEL #10037-37606 DUPLICATION / DOUBLE EXPOSURE		4" W/ 1/4" ROUNDED TOP CAP PER DETAIL THIS SHEET – IN WAITING, PRE-TEST, I&R & EXAM ROOMS
B-5	N/A		
CEILING			
C-1	HUNTER DOUGLAS – TECHSTYLE CLASSIC SERIES – LENS – LEXAN POLYCARBONATE (0.06") WHITE 829 6" INFILL PANELS AS INDICATED ON DWGS BY HUNTER DOUGLAS		CLASS "A" FIRE RATED TRACK – 9/16" WIDE "T" GRID WHITE BY ARMSTRONG OR USG
C-2	ARMSTRONG – 24"x24" ULTIMA – WHITE ACOUSTICAL CEILING TILE		CLASS "A" FIRE RATED TRACK – 9/16" WIDE "T" GRID WHITE BY ARMSTRONG OR USG
C-3	HARD LID PAINTED / BENJAMIN MOORE – DECORATORS WHITE #1-04		
PAINT / MIRROR			
P-1	BENJAMIN MOORE – DECORATORS WHITE #1-04		ALL WALLS EXCEPT MAIN RECEPTION ACCENT WALL
P-2	BENJAMIN MOORE – ORANGE BURST #2015-20		ACCENT WALL @ MAIN RECEPTION
S-1	-		WOOD FLOOR & BASE STAIN TO MATCH COLOR OF FOMICA VENEER #8430 KOFFE FINELINE
S-2	MIRROR FROM FLOOR TO TERMINATION AT CEILING (ALL SIDES)		
PLASTIC / LAMINATE			
PL-1	BODY – FORMICA – VENEER #8430 KOFFE FINELINE ACCENT ABET LAMINATI – DIFOS #3607		ALL DISPLAYS / FURNITURE IN SHOWROOM INCLUDING MAIN RECEPTION & DOCTOR'S RECEP.
PL-2	FORMICA – VENEER # 6209 – LX PRESTIGE WALNUT		KITCHEN, MANAGER'S OFFICE AND I & R ROOM
PL-3	FORMICA – VENEER #8430 KOFFE FINELINE		RESTROOM COUNTERTOP
PL-4	WILSONART – DESIGNER WHITE D354-60		LAB



EXISTING FLOOR TO REMIAN

RESPONSIBILITY MATRIX				
ITEM	FURNISHED BY	INSTALLED BY	RECIEV. STORE & HANDLE	COMMENTS
BURGLAR ALARM	SO	SO	SO	GC TO PROVIDE CONDUITS & BACKBOXES
DATA CABLE	GC	GC	GC	
DR'S EQUIPMENT	SO	SO	GC	TERMINATIONS BY STANTON OPTICAL
DURTRAN PLEXI - WHITE AND CLEAR	GC	GC	GC	RE-USE EXISTING
DURTRANS / GRAPHICS	SO	GC	GC	
EXT. BUILDING SIGNAGE	SO	SO	SO	
FLOORING - CARPET	SO	GC	GC	
FLOORING - CERAMIC BASE	SO	GC	GC	
CERAMIC TILE	SO	GC	GC	
RUBBER BASE	GC	GC	GC	
FLOORING WOOD	SO	GC	GC	
FLOORING WOOD BASE	GC	GC	GC	
FLOORING WALK OFF MAT	GC	GC	GC	
HVAC EQUIPMENT	GC	GC	GC	
LIGHT FIXTURES	SO	GC	GC	
LIGHT FIXTURES - DISPLAY LIGHTING	SO	GC	GC	
LIGHTING CONTROL PANEL	SO	GC	GC	
CABINETS	SO	SO	SO	
MILLWORK	GC	GC	GC	
PHONES AND COMPUTERS	SO	SO	SO	GC TO PROVIDE CONDUITS & BACK BOXES
PLEXI EYEGLASS POLES, CLIPS, AND GROMMETS	SO	SO	SO	
PLUMBING FIXTURES	GC	GC	GC	
TV'S	SO	SO	SO	



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FURNISHING PLAN KEYNOTES

ITEM NO.	DESCRIPTION
1	RECEPTION (EXISTING)
2	RECEPTION #2 (EXISTING - RELOCATED)
3	PRE-TEST CABINET (SEE DETAIL-4 ON SHEET-A10)
4	SALES DESK (EXISTING)
5	24" DEEP DISPENSING CABINET. (SHOP DRAWINGS TO BE APPROVED BY OWNER)
6	MIRROR (SEE DETAIL-7 & 8 ON SHEET-A10)
7	DRYWALL DISPLAY (SEE DETAIL-1, 2, 3, & 4 & 5 ON SHEET-A11)
8	DRYWALL SIGN DISPLAY (EXISTING)
9	60" HIGH MIRROR TO EXTEND THE ENTIRE LENGTH OF COUNTER
10	24" DEEP DISPENSING CABINET. (SHOP DRAWINGS TO BE APPROVED BY OWNER)

1. VERIFY LOCATION AND UNIT DISPLAY WITH OWNER PRIOR TO INSTALLATION.
2. ALL UPPER CABS TO BE .18" DEEP.
3. COUNTER TOPS TO BE 4" THICK.
4. CABINET DOORS TO RECEIVE TOUCH LATCHES.
5. ALL DRAWERS TO RECEIVE HANDLE.

EXIT SIGNS

EXIT SIGNS

1011.1 Where required, Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. Access to exits shall be marked by readily visible exit signs in cases where the exit or the path of egress travel is not immediately visible to the occupants. Exit sign placement shall be such that no point in a corridor is more than 100 feet (30 480 mm) or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign.

Exceptions:

Exit signs are not required in rooms or areas that require only one exit or exit access.
Main exterior exit doors or gates that are obviously and clearly identifiable as exits need not have exit signs where approved by the building official.
Exit signs are not required in occupancies in Group U and individual sleeping units or dwelling units in Group R-1, R-2 or R-3.
Exit signs are not required Group 1-3 occupancies where inmates are PNL-Hld or held.

In occupancies in Groups A-4 and A-5, exit signs are not required on the seating side of vomitories or openings into seating areas where exit signs are provided in the concourse that are readily apparent from the vomitories. Egress lighting is provided to identify each vomitory or opening within the seating area in an emergency.

1011.2 Illumination. Exit signs shall be internally or externally illuminated.

Exception: Tactile signs required by Section 1011.3 need not be provided with illumination.

1011.3 Tactile exit signs. For the purposes of Section 1011.3, the term "tactile exit signs" shall mean those required signs that comply with Section 111 7B.5. 1, Item 1. Tactile exit signs shall be required at the following locations:

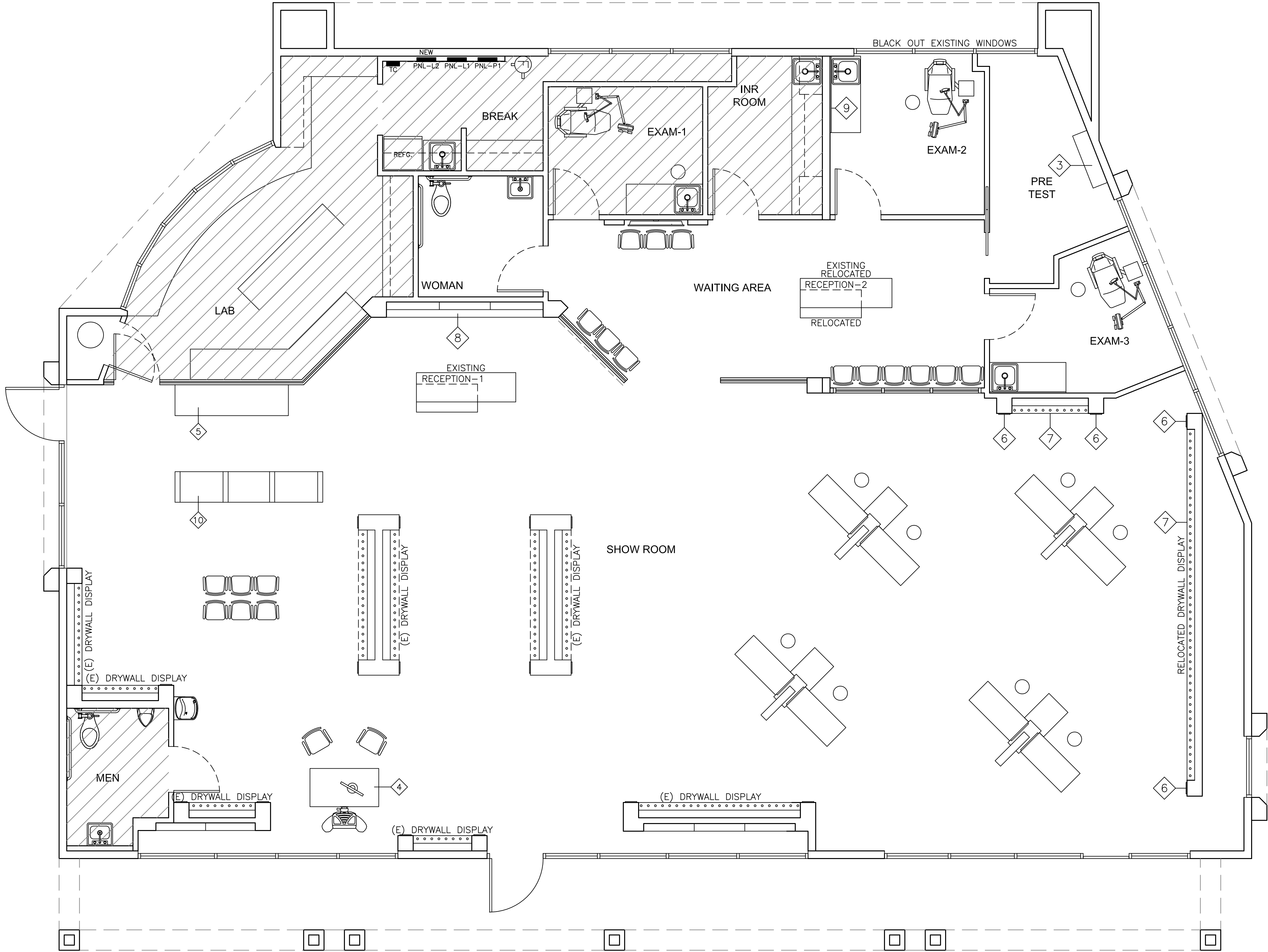
Each grade-level exterior exit door shall be identified by a tactile exit sign with the word, "EXIT."
Each exit door that leads directly to a grade-level exterior exit by means of a stairway or ramp shall be identified by a tactile exit sign with the following words as appropriate:
"EXIT STAIR DOWN"
"EXIT STAIR UP"
"EXIT RAMP UP"
"EXIT RAMP DOWN"

Each exit door that leads directly to a grade-level exterior exit by means of an exit enclosure that does not utilize a stair or ramp, or by means of an exit passageway, shall be identified by a tactile exit sign with the words

"EXIT ROUTE."

4. Each exit access door from an interior room or area that is required to have a visual exit sign, shall be identified by a tactile exit sign with the words, "EXIT ROUTE."
Each exit door through a horizontal exit shall be identified by a tactile exit sign with the words "TO EXIT."
1011.4 Internally illuminated exit signs. Internally illuminated exit signs shall be listed and labeled and shall be installed in accordance with the manufacturer's instructions and Section 2702. Exit signs shall be illuminated at all times.

SEE ADDITIONAL TACTILE SIGN REQUIRMENTS ON SHEET-A15



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Email: beststreamline@comcast.net
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DESIGNERS SIGNATURE

JURISDICTION

BUILDING DEPARTMENT
NAME:
CITY OF VISALIA
ADDRESS:
315 E. ACEQUIA AVE.
VISALIA, CA 93291
PHONE:
559-713-4444

OWNER

BUILDING OWNER
NAME:
NEIL ANGELILLO
TRUE NORTH PROPERTIES
ADDRESS:
1155 W. SHAW #104
FRESNO, CA 93711
PHONE:
559-222-5768

TENANT

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NAME:
STANTON OPTICAL
ADDRESS:
3801 CONGRESS AVE.
PALM SPRINGS, FL 33461
PHONE:
561-275-2020

GEN. CONTRACTOR

CONTRACTOR
COMPANY:
T.B.D.
NAME:
LIC #:
ADDRESS:
PHONE:

FURNISHING PLAN

CONSTRUCTION SITE
SITE ADDRESS:
3530 S. MOONEY BLVD.
VISALIA, CA 93277
SITE APN:
122-290-026-000
DRAWING INFORMATION
REVISION DATE
12-29-14
FILE NAME:
14-1010-STANTON-VISALIA
DRAWING SCALE:
1/4" = 1'

A6

DOOR SCHEDULE

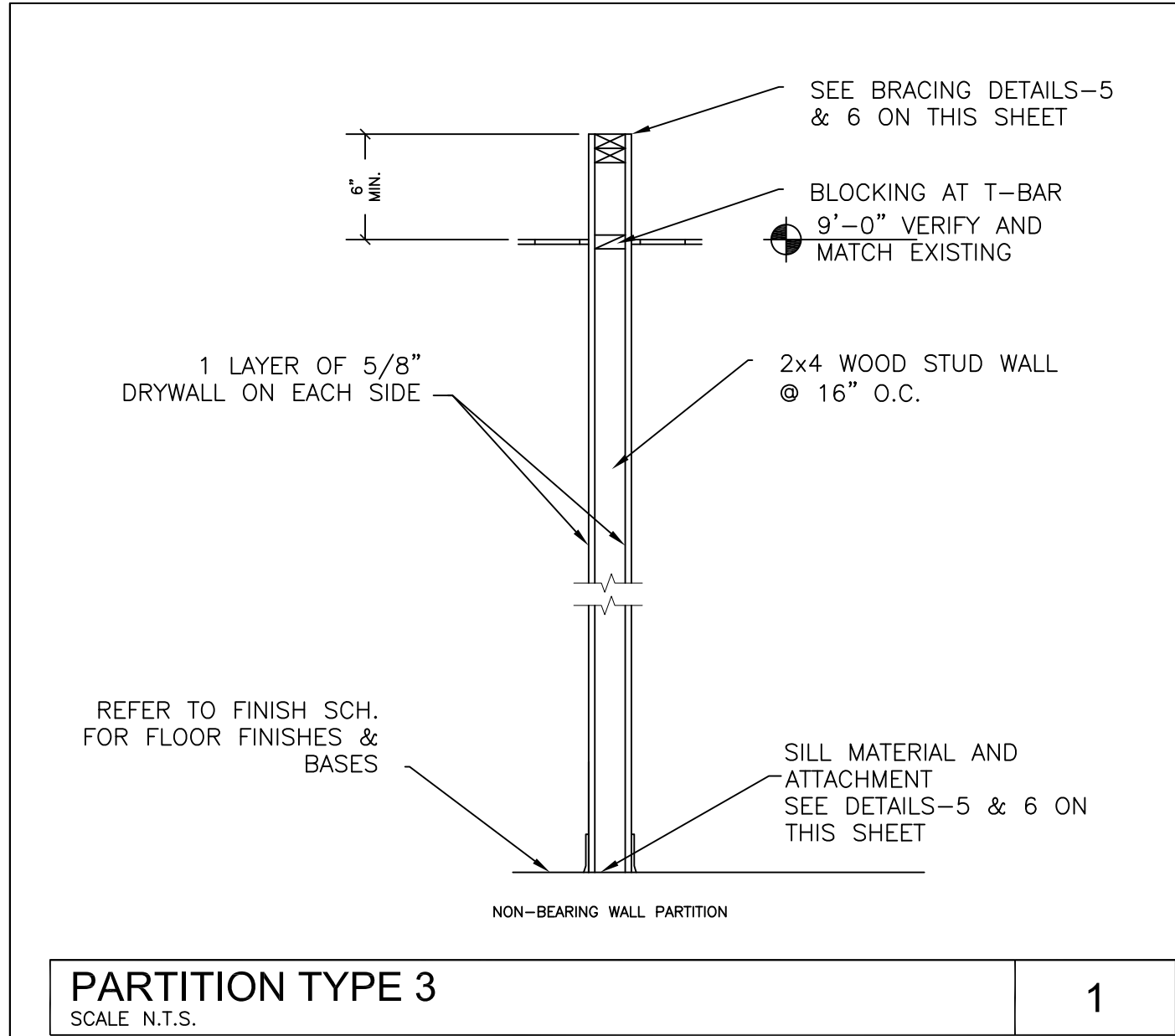
EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. C.B.C. 1008.1.9

HARDWARE SPECIFICATIONS

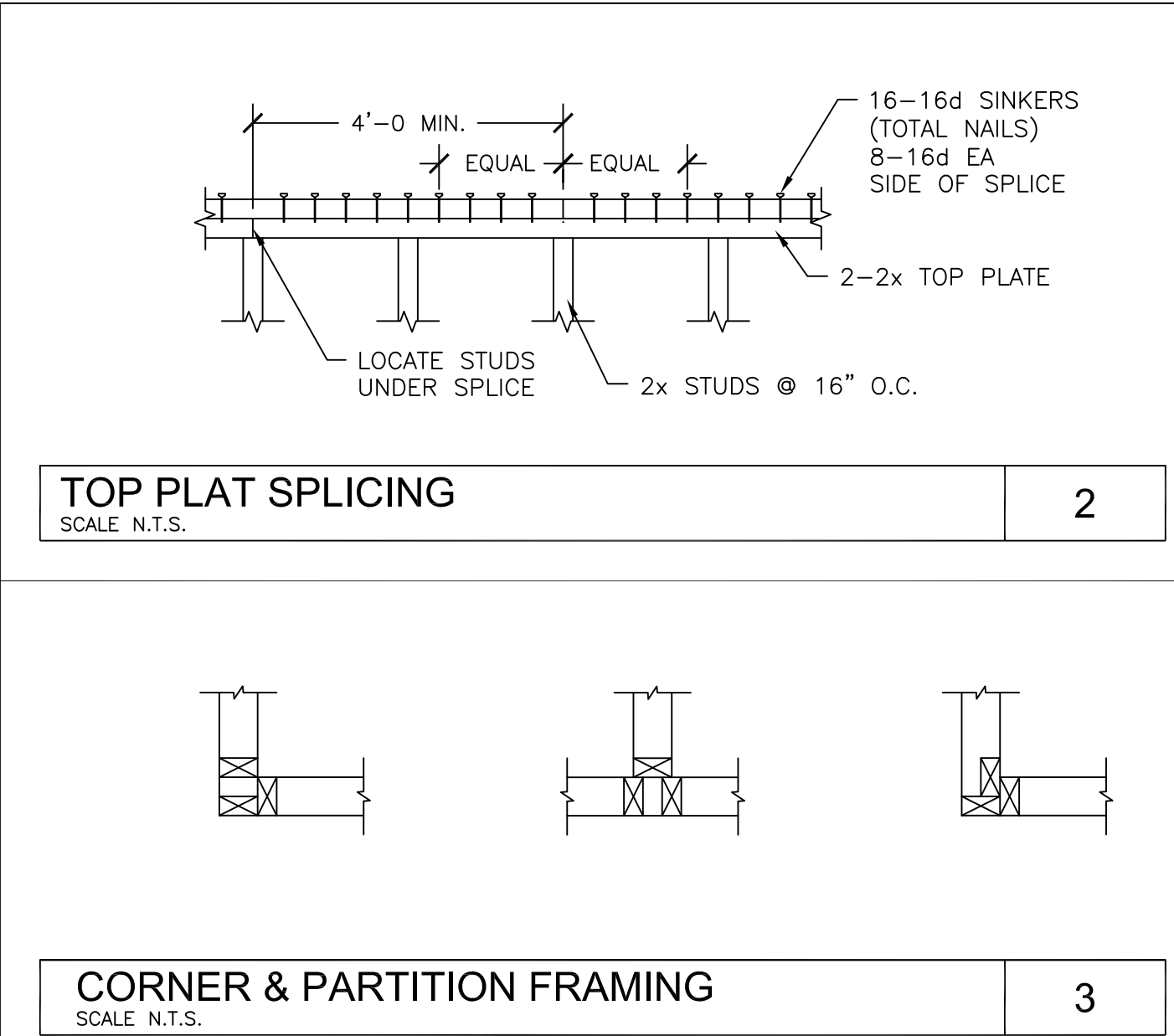
HARDWARE GROUP

OR DIMENSIONS SHOWN HERE EXCEPT WHERE SUCH WOULD RESULT IN NON-COMPLIANCE WITH TITLE 24 CCR AND ADAAG REQUIREMENTS.

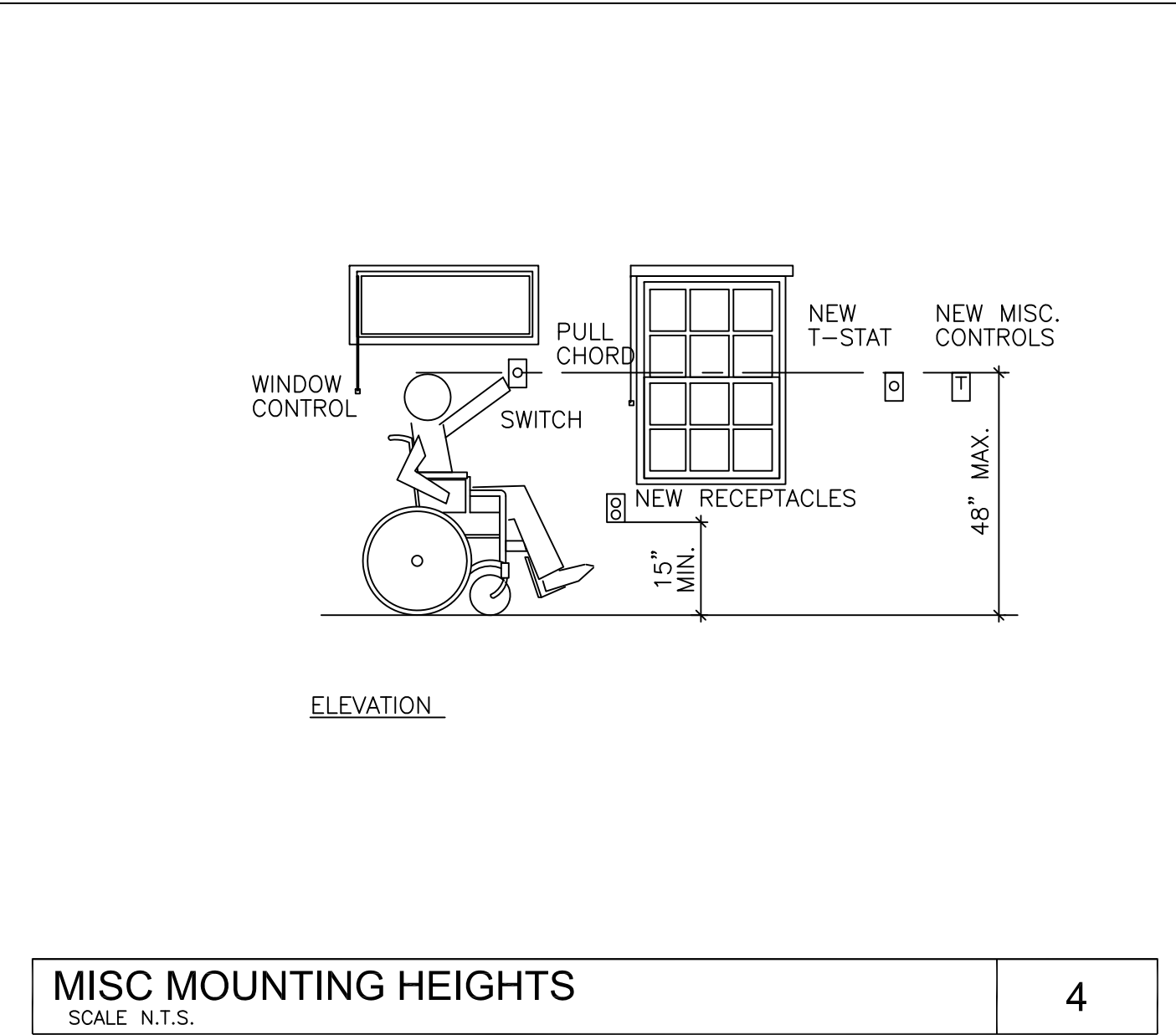
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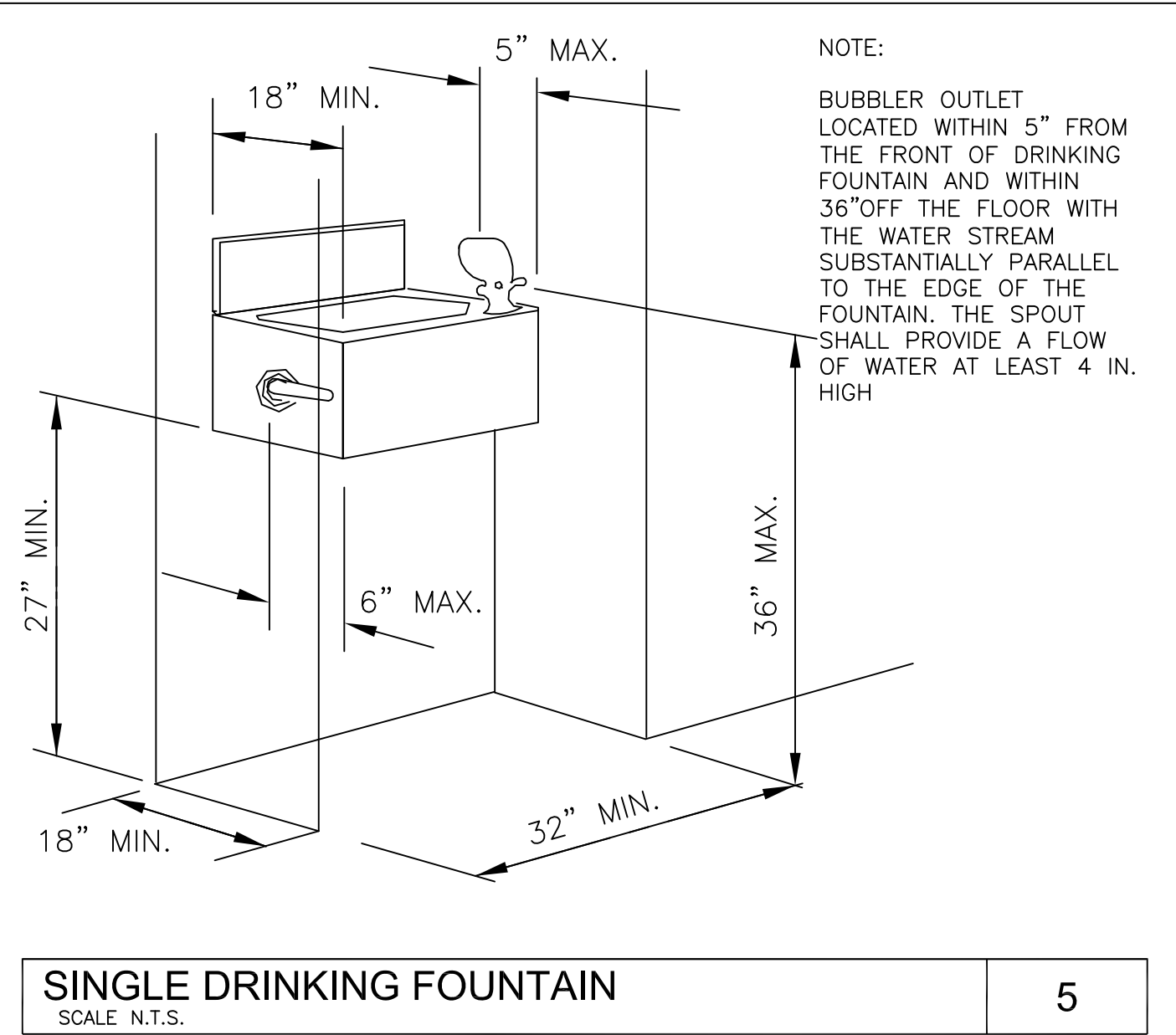
PARTITION TYPE 3
SCALE N.T.S.



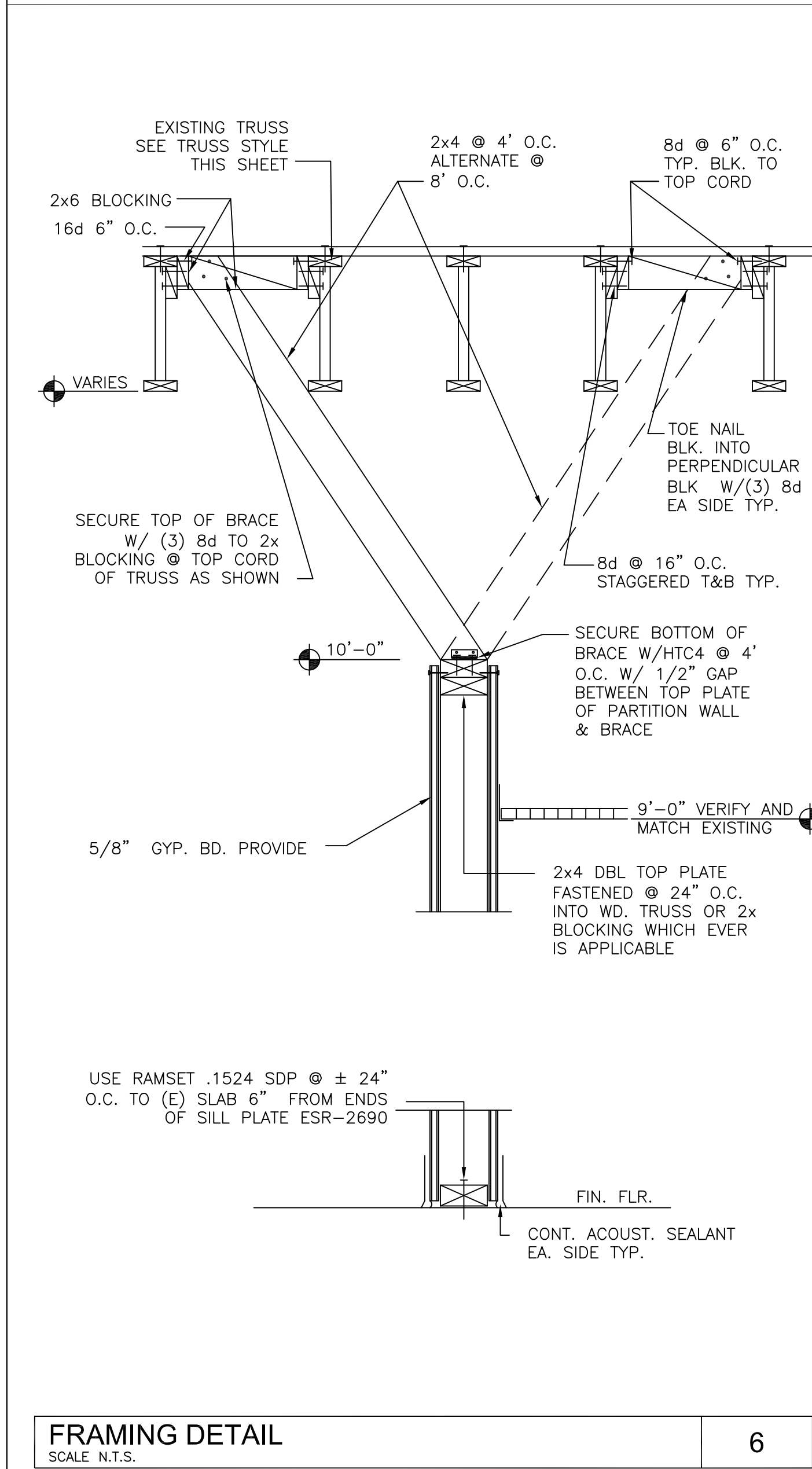
TOP PLAT SPLICING
SCALE N.T.S.



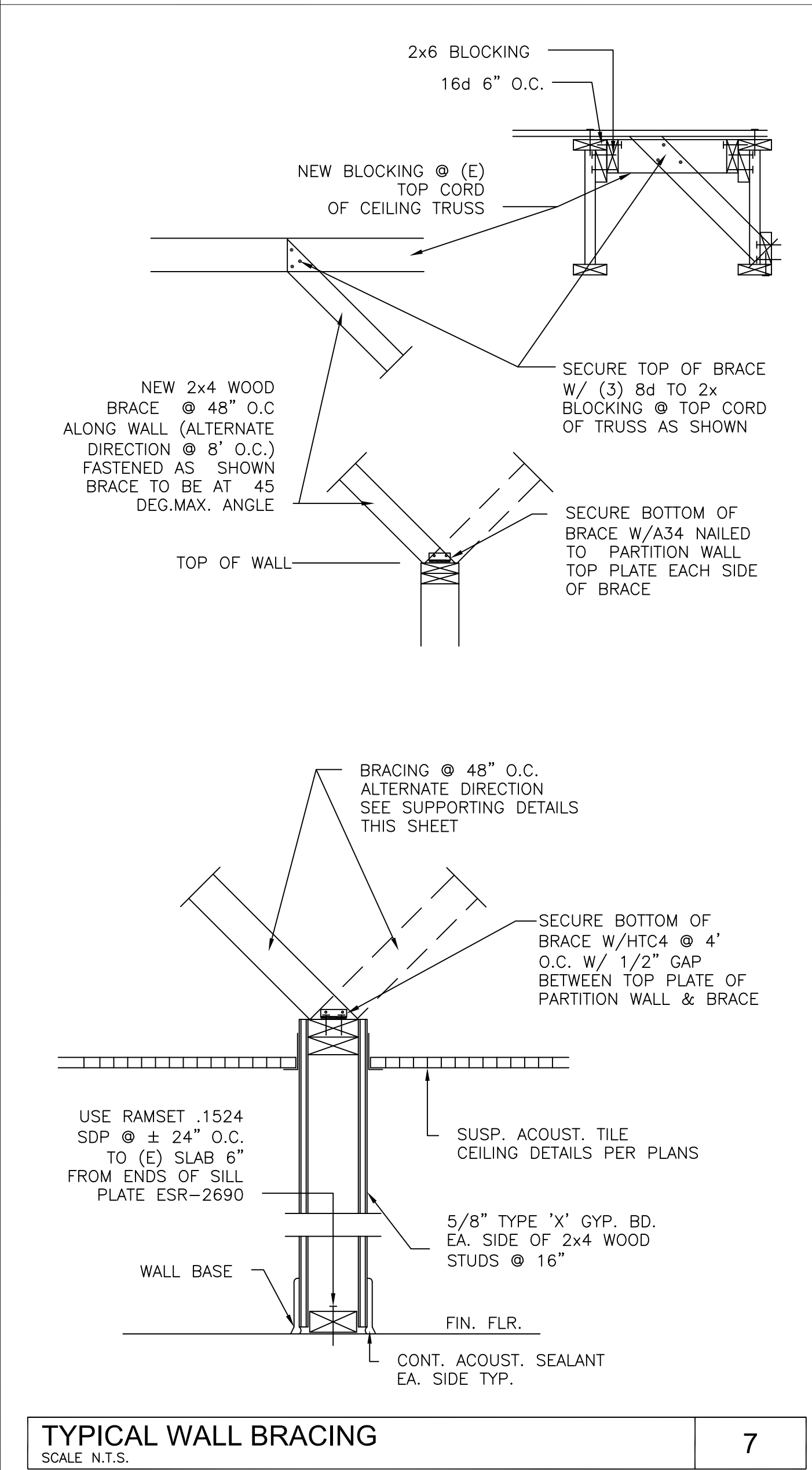
MISC MOUNTING HEIGHTS
SCALE N.T.S.



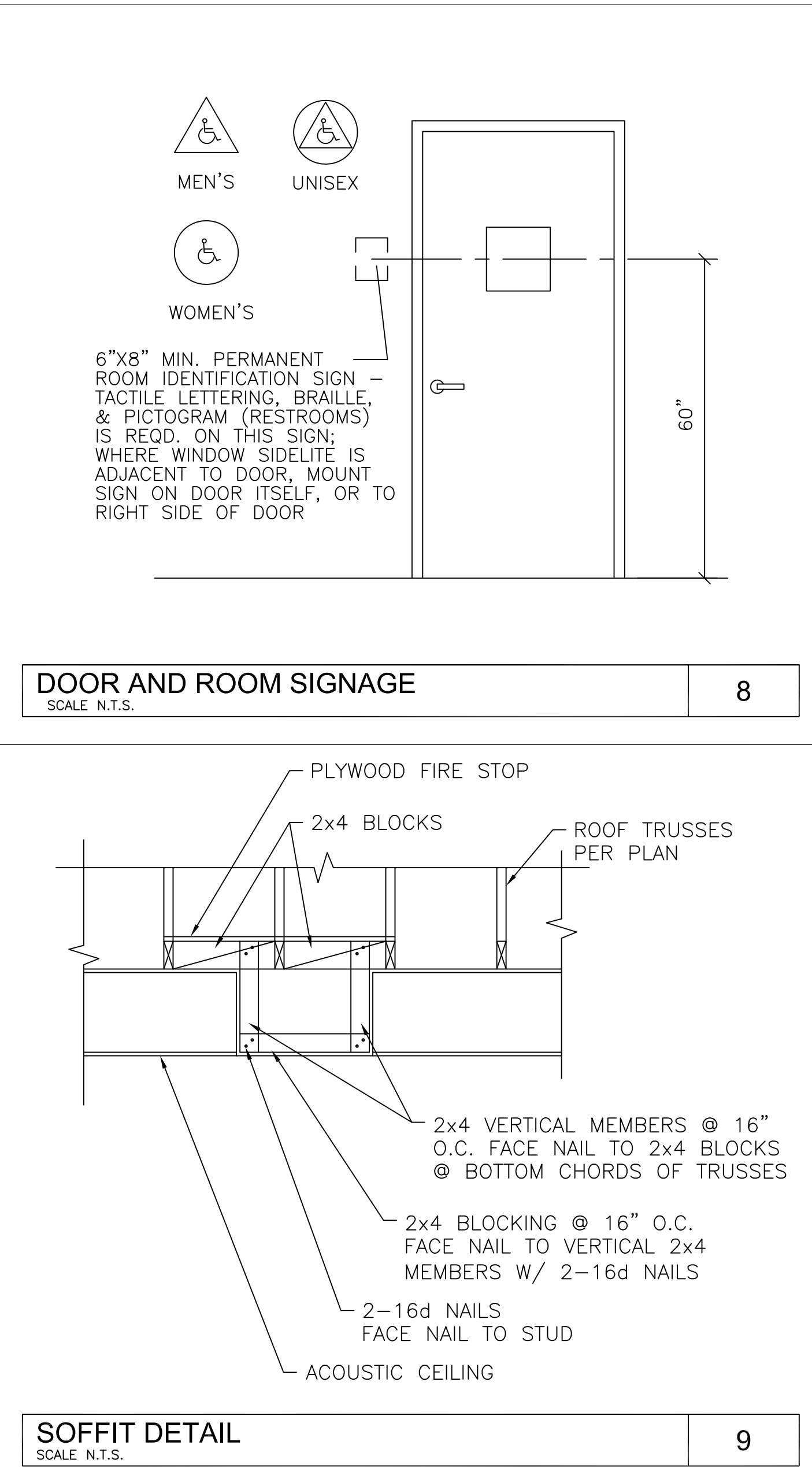
SINGLE DRINKING FOUNTAIN
SCALE N.T.S.



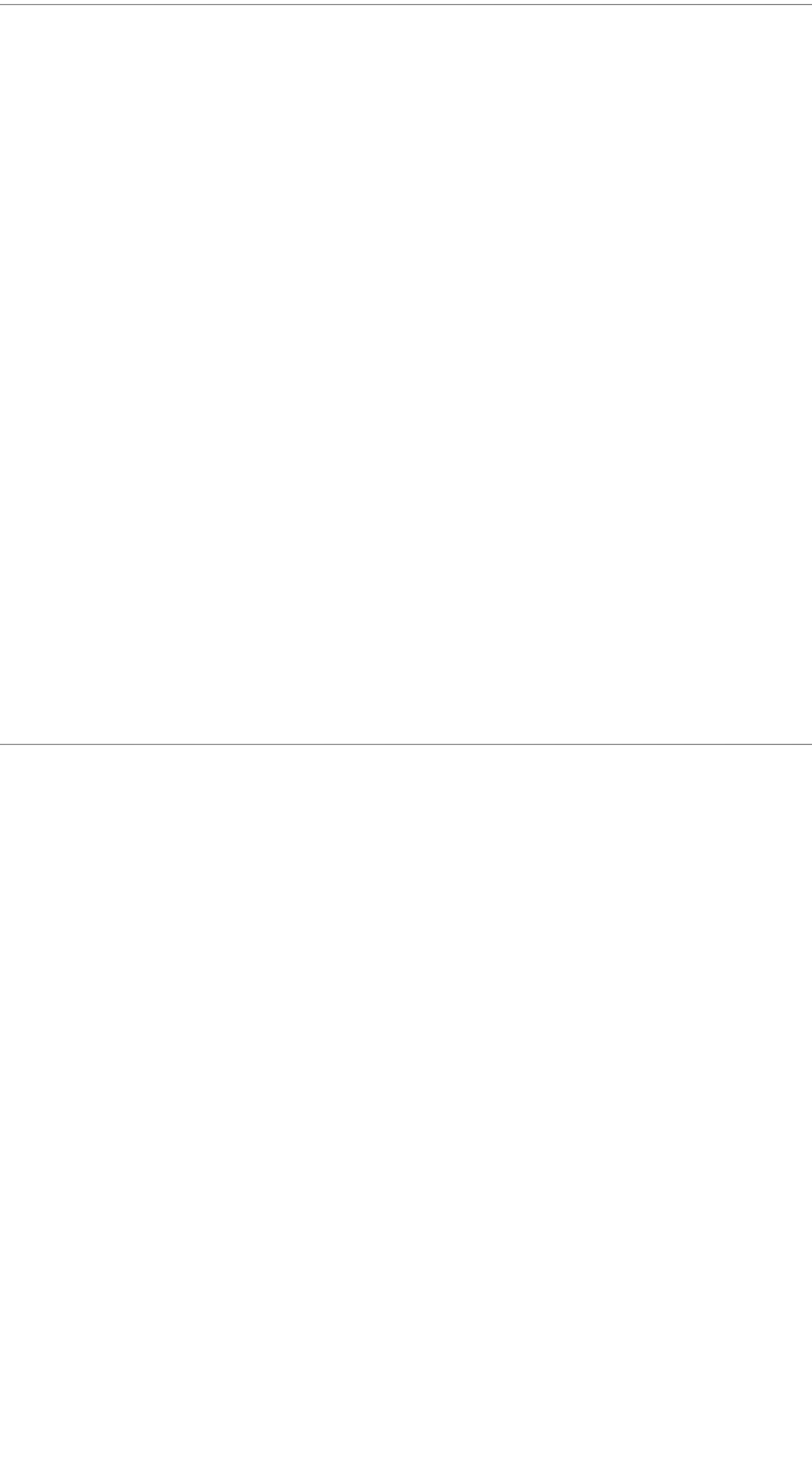
FRAMING DETAIL
SCALE N.T.S.



TYPICAL WALL BRACING
SCALE N.T.S.



DOOR AND ROOM SIGNAGE
SCALE N.T.S.



SOFFIT DETAIL
SCALE N.T.S.

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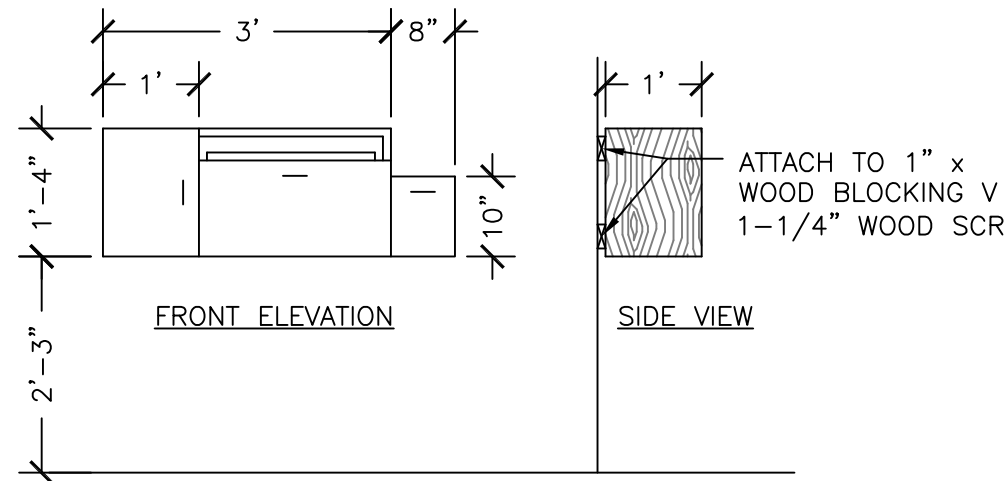
CONTRACTOR
COMPANY:
T.B.D.
NAME:
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ADDRESS:
PHONE:

DETAILS

CONSTRUCTION SITE
SITE ADDRESS:
3530 S. MOONEY BLVD.
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FILE NAME:
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DRAWING SCALE:
AS SHOWN

A8

DESIGNERS SIGNATURE



PRE TEST CABINET

1

 **Rheem EcoSense** | Model # RETE 9 | ★★★★★ (37)

RETE-9 - 9KW Point of Use Electric Tankl...



RELATED ITEMS | PRODUCT OVERVIEW | SPECIFICATIONS | RECOMMENDED ITEMS | CUSTOMER REVIEWS | SHIPPING & DELIVERY

SPECIFICATIONS

DIMENSIONS

Assembled Depth (in.)	3 in	Product Height (in.)	10
Assembled Height (in.)	10 in	Product Width (in.)	7.25 in
Assembled Width (in.)	7.25 in	Water Connection Size (in.)	1/2
Product Depth (in.)	3		

DETAILS

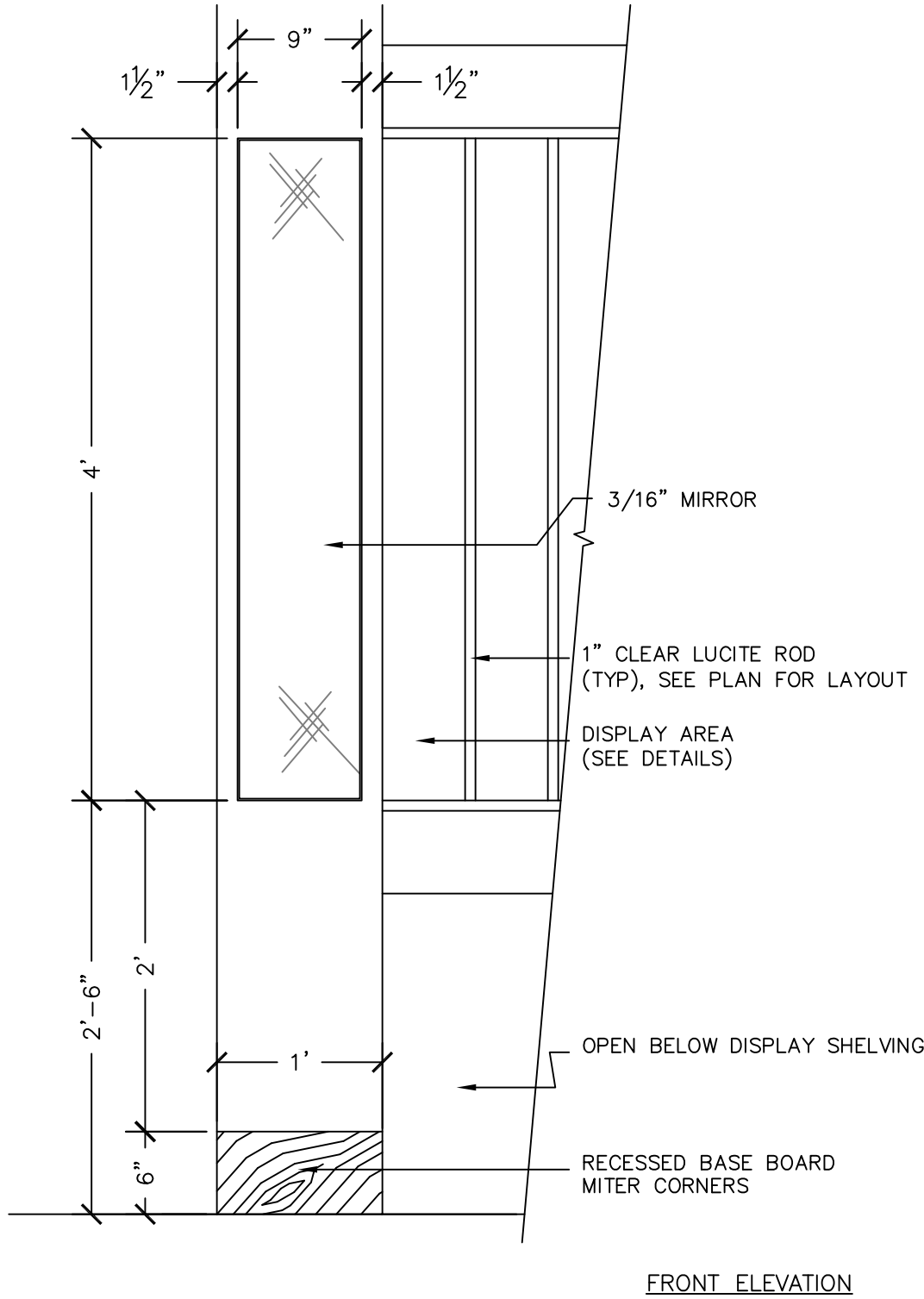
Amperage (amps)	38	Minimum Temperature (F)	0
Electric Product Type	Point of Use	Point-Of-Use	Yes
Finish Family	Gray	Product Weight (lb.)	8 lb
Flow Rate @ 35 F Rise (gallons/min)	1.76 gal (US)/min	Residential/Commercial/Industrial Use	Residential or commercial
Flow Rate @ 45 F Rise (gallons/min)	1.37 gal (US)/min	Returnable	90-Day
Fuel Type	Electric	Voltage (volts)	240
Indoor/Outdoor	Indoor	Water Connection Location	Side
Maximum Temperature (F)	125	Water Heater Features	No Additional Features
Minimum Activation Rate (gpm)	.4	Wattage (watts)	9000

WARRANTY / CERTIFICATIONS

Certifications and Listings	2-UL Recognized	Labor Warranty	No Warranty
ENERGY STAR Certified	No	Part Warranty	1 Year

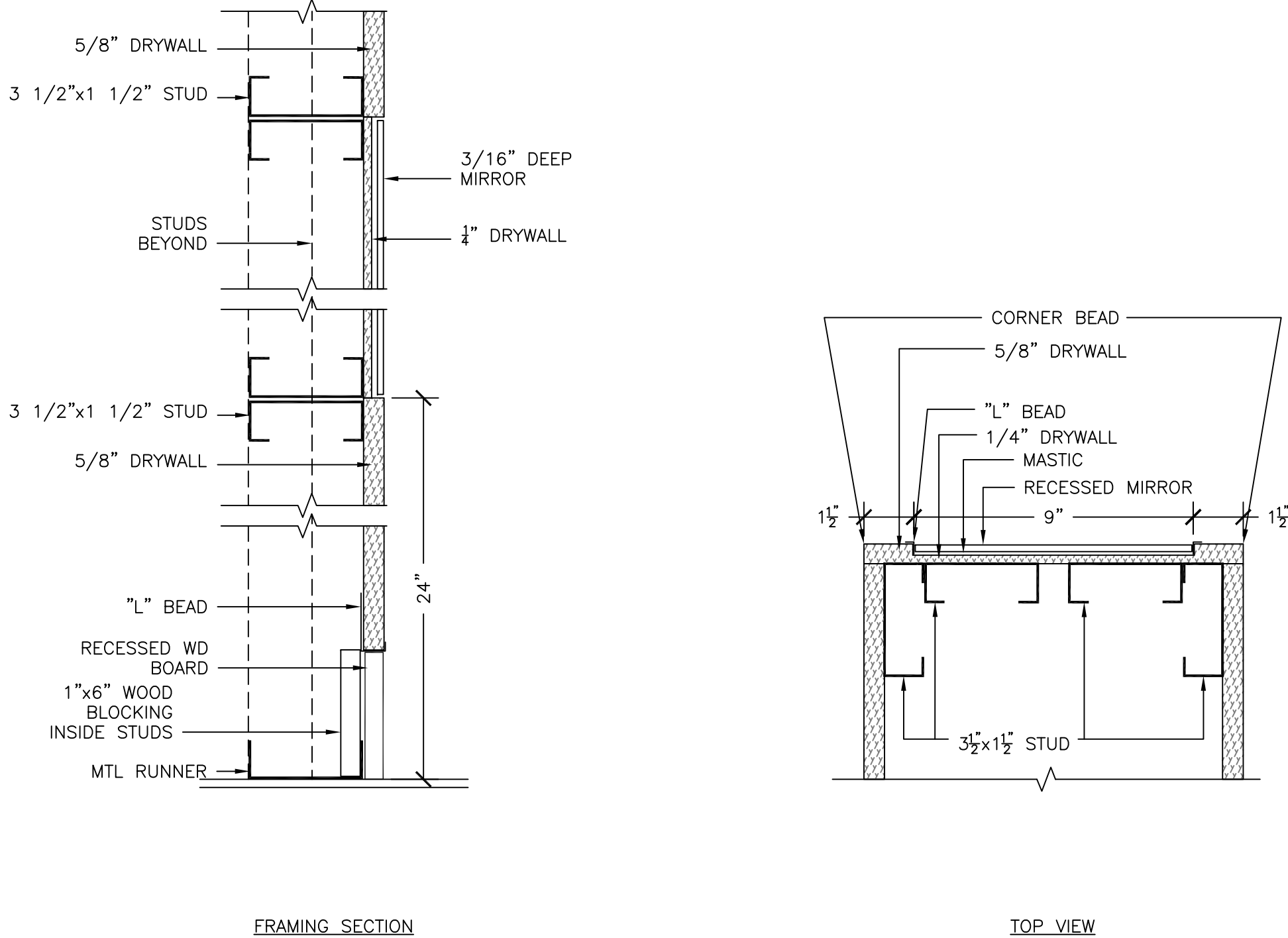
POINT OF USE WATER HEATER

4



MIRROR IN WALL ELEVATION

2



MIRROR IN WALL DETAILS

3

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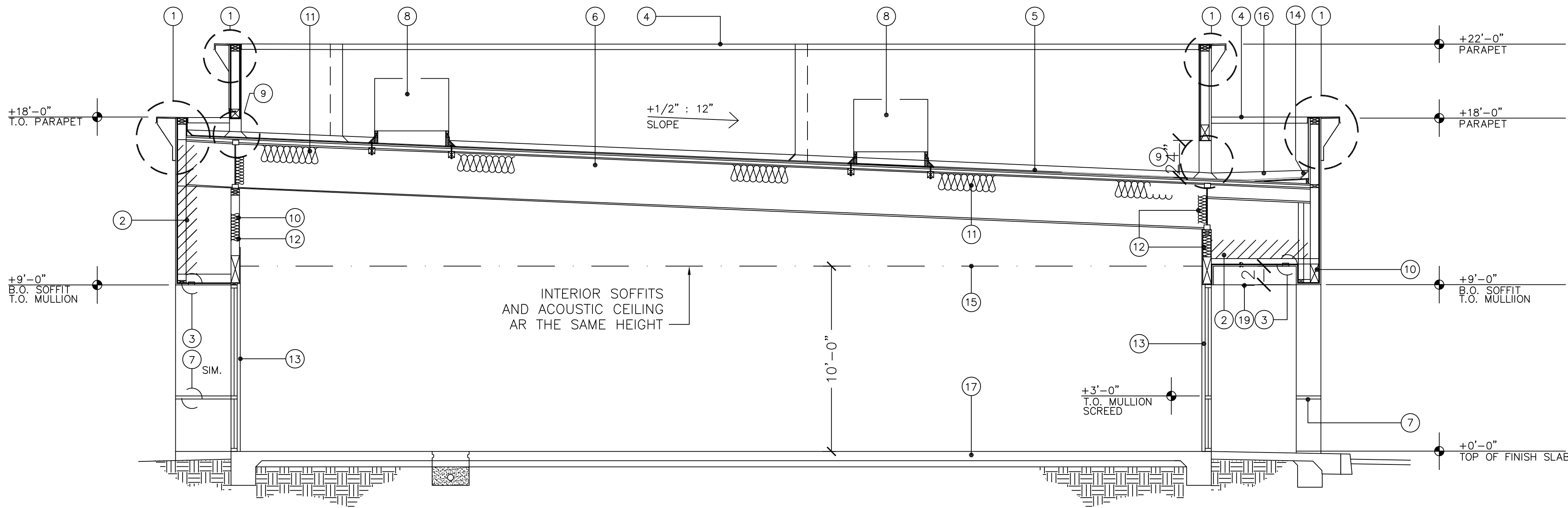
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ADA DETAILS

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DRAWING SCALE:
N.T.S.



A10

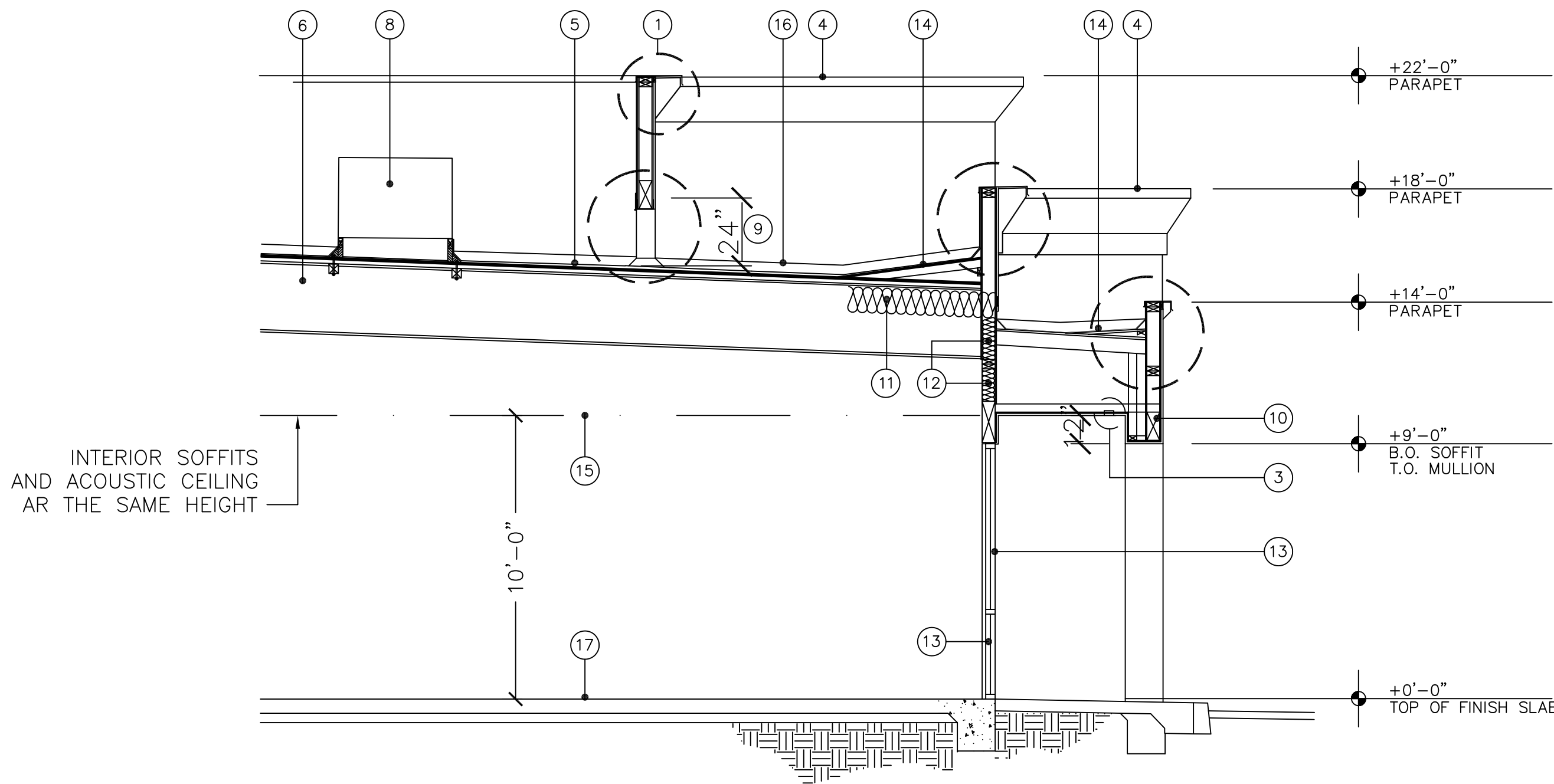


SECTION A-A

SCALE: 1/4" = 1'

KEYED BUILDING SECTION NOTES:

- ① INDICATES EXISTING FOAM MOLDING. SEE DETAIL 3/A-2.
- ② INDICATES EXISTING 1/2" CDX PLYWOOD OR 5/8" TYPE 'X' GYPSUM BOARD DRAFTSTOP TO DIVIDE SOFFIT AREAS INTO LENGTHS LESS THAN 60 FEET. SEE ROOF PLAN FOR LOCATION.
- ③ INDICATES EXISTING CONTINUOUS 4" GSM SOFFIT VENT SCREED. PAINTED WITH 2 COATS ENAMEL TO MATCH STUCCO.
- ④ INDICATES TOP OF EXISTING PARAPET BEYOND.
- ⑤ INDICATES EXISTING 4 PLY. ROOFING SYSTEM WITH PLYWOOD SHEATHING.
- ⑥ INDICATES EXISTING ROOF TRUSSES.
- ⑦ INDICATES EXISTING 2" WIDE GSM SCREED AT 4 SIDES OF COLUMN.
- ⑧ INDICATES EXISTING CURB LOCATION FOR MECHANICAL UNIT.
- ⑨ INDICATES EXISTING DRAINAGE SCUPPER LOCATION.
- ⑩ EXISTING 2 X 6 FIRE BLOCKING AT MAX. 10'-0" INTERVALS IN FRAMED WALLS.
- ⑪ INDICATES EXISTING R-19 INSULATION AT ROOF DECK.
- ⑫ INDICATES EXISTING R-19 INSULATION FROM SLAB TO UNDERSIDE OF ROOF DECK ABOVE.
- ⑬ INDICATES EXISTING 1/4" CLEAR GLAZED STOREFRONT SYSTEM.
- ⑭ EXISTING ROOF CRICKET.
- ⑮ INDICATES EXISTING AND NEW PLANE OF SUSPENDED CEILING AND SOFFITS
- ⑯ INDICATES EXISTING CANT STRIP BEYOND.
- ⑰ INDICATES EXISTING 4" THICK CONCRETE SLAB.
- ⑱ INDICATES EXISTING 2' VOID IN SLAB FOR SEWER LINE FILLED WITH GRAVEL TO BOTTOM OF ADJACENT SLAB AND KEYED EDGE.
- ⑲ INDICATES KEYED EDGE. 9' HIGH SOFFIT RETURN AT CANOPY ENDS.



SECTION B-B

SCALE: 1/4" = 1'

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JURISDICTION
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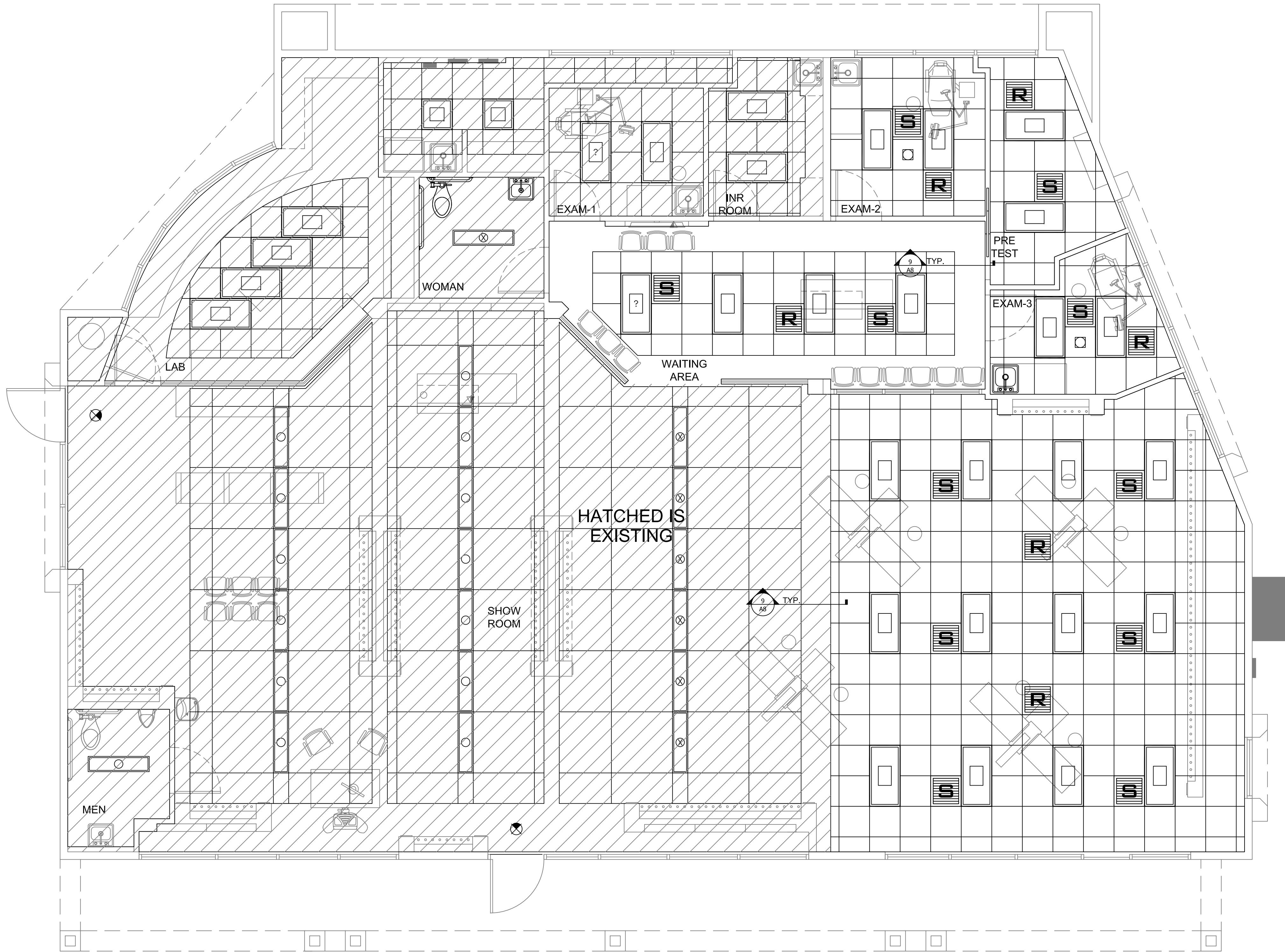
OWNER
BUILDING OWNER
NAME:
NEIL ANGELILLO
TRUE NORTH PROPERTIES
ADDRESS:
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FRESNO, CA 93711
PHONE:
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TENANT
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3801 CONGRESS AVE.
PALM SPRINGS, FL 33461
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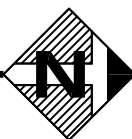
ADA DETAILS
CONSTRUCTION SITE
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SITE APN:
122-290-026-000
DRAWING INFORMATION
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DRAWING SCALE:
N.T.S.

A11



REFLECTED CEILING

SCALE: 1/4" = 1'



REFLECTED CEILING KEYNOTES

CEILING NOTES

IBC/25/#2
INSTALLATION STANDARDS FOR SUSPENDED CEILING SYSTEM AND LIGHTING FIXTURES

1) A STRUT SHALL BE PROVIDED AT 12 FEET ON-CENTER MAXIMUM, WHICH SHALL BE FASTENED TO THE MAIN RUNNER AND SHALL BE EXTENDED AND FASTENED TO THE STRUCTURE. THE STRUCTURE ATTACHMENT SHALL BE CAPABLE OF SUPPORTING THE DEAD LOAD OF THE COMPRESSION STRUT. A STRUT WHICH ENCAPSULATES A HANGER WIRE THAT IS ATTACHED TO THE MAIN RUNNER AND THE STRUCTURE ABOVE NEED NOT BE SEPARATELY ATTACHED TO THE RUNNER OR THE STRUCTURE ABOVE.

2) BASED ON THE MAXIMUM SPACING OF 12 FEET ON-CENTER IN EACH DIRECTION, THE FOLLOWING STRUT SIZES AND CORRESPONDING MAXIMUM LENGTHS MAY BE USED:

MAX LENGTH	
1/2" DIAMETER CONDUIT (EMT)	5'-10"
3/4" DIAMETER CONDUIT (EMT)	7'-8"
1" DIAMETER CONDUIT (EMT)	9'-9"
SINGLE 162S125-33 METAL STUD (1-5/8" X 20 GAUGE)	12'-0"
BACK TO BACK 162S125-33 METAL STUDS (1-5/8" X 20 GAUGE)	15'-0"
SINGLE 250S125-33 METAL STUD (2-1/2" X 20 GAUGE)	13'-6"
BACK TO BACK 250S125-33 METAL STUDS (2-1/2" X 20 GAUGE)	15'-0"

WHERE UTILIZING A STRUT THAT IS NOT INDICATED ON THE TABLE ABOVE, THE STRUT SHALL BE CAPABLE OF RESISTING THE VERTICAL COMPONENT OF 180 POUNDS INDUCED BY THE WIRES.



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GEN. CONTRACTOR

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T.B.D.

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REFLECTED CEILING

CONSTRUCTION SITE

SITE ADDRESS:
3530 S. MOONEY BLVD.
VISALIA, CA 93277

SITE APN:
122-290-026-000

DRAWING INFORMATION

REVISION DATE
12-29-14

FILE NAME:
14-1010-STANTON-VISALIA

DRAWING SCALE:
1/4" = 1'

ICC-ES EVALUATION REPORT
ESR-1222 (DESIGN CATEGORY D)

SYSTEM SUMMARY	
SUSPENSION SYSTEM DUTY RATING	HEAVY
WALL MOLDING	7/8"
SEISMIC CLIP	ACM7
TWO ADJACENT FIXED SIDES (FLOATING WALL)	3/4", 1/2" OR 3/8" GAP; ACM7 SEISMIC CLIP WITH ONE FASTENER THROUGH WALL MOLDING (OPTIONAL) AND NO FASTENER ATTACHMENT TO TEE
TWO ADJACENT FIXED SIDES (TIGHT WALL)	TIGHT, NO GAP; ACM7 SEISMIC CLIP WITH ONE FASTENER THROUGH WALL MOLDING (OPTIONAL) AND ONE FASTENER ATTACHMENT TO TEE
PERIMETER HANGER WIRES	8" MAX FROM EDGE OF WALL (ALL RUNNERS)
STABILIZER BARS	NONE

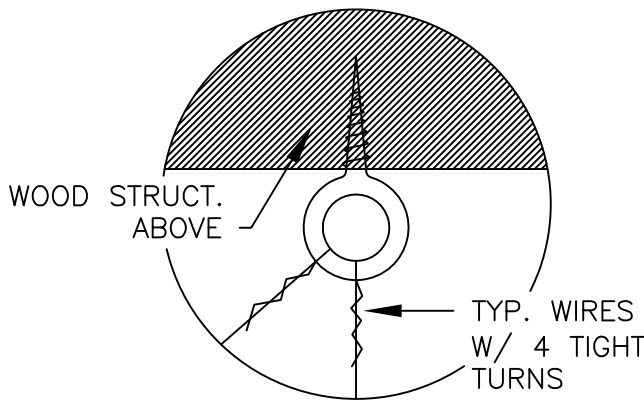
NOTE:
ALL MAIN DONN SUSPENSION SYSTEMS -- DX/DXL, FINELINE DXF, FINELINE 1/8 DXFF, CENTRICITEE DXT/DXLT, CE,DXW,DXIA, AND ZXLA--INCLUDE THE CODE COMPLIANT INTERMEDIATE-DUTY AND HEAVY-DUTY MAIN TEES FOR SEISMIC DESIGN CATEGORIES C, D, E, AND F.
FOR CEILING AREAS EXCEEDING 2,500 SQ. FT.
A SEISMIC SEPARATION JOINT MAY BE REQUIRED. SEE PAGE 16 FOR INFORMATION ON SEISMIC SEPARATION JOINTS.
THE PERFORMANCE OF DONN SEISMIC SYSTEMS IS BASED ON THE SPECIFIC COMBINATION OF SUPERIOR COMPONENTS, AND DESIGN AND INSTALLATION METHODS SHOWN. COMPONENTS FROM OTHER MANUFACTURERS WERE NOT EVALUATED,AND THEIR USE OR ANY MIXED USE IS NOT RECOMMENDED.
CONVENIENCE HOLES LOCATED IN THE TEE BULB MAY BE USED FOR ANY AND ALL HANGER WIRES.

VERTICAL SUPPORT:

12 GAUGE WIRES 4' ON CENTER
WITHIN 8" OF EACH WALL. HANGER WIRES
TO BE WITHIN 1:6 OF PLUMB UNLESS
COUNTER SLOPING WIRES ARE PROVIDED.

LATERAL BRACING:

12 GAUGE WIRE, 4 WIRES SECURED
WITHIN 2" OF THE CROSS RUNNER
INTERSECTION AND SPLAYED 90. FROM EACH
OTHER AT AN ANGLE NOT EXCEEDING 45
FROM THE PLANE OF THE CEILING. A
STRUT FASTENED TO THE MAIN RUNNER
SHALL BE EXTENDED TO AND FASTENED TO
THE STRUCTURE MEMBERS SUPPORTING THE
ROOF OR FLOOR ABOVE. THESE 4 WIRE
BRACING POINTS TO BE WITHIN 6" OF EACH
WALL AND 12' O.C. IN EACH DIRECTION. FOR
TILE CEILINGS, ENDS OF MAIN RUNNERS AND
CROSS MEMBERS SHALL BE TIED TOGETHER
TO PREVENT THEIR SPREADING.

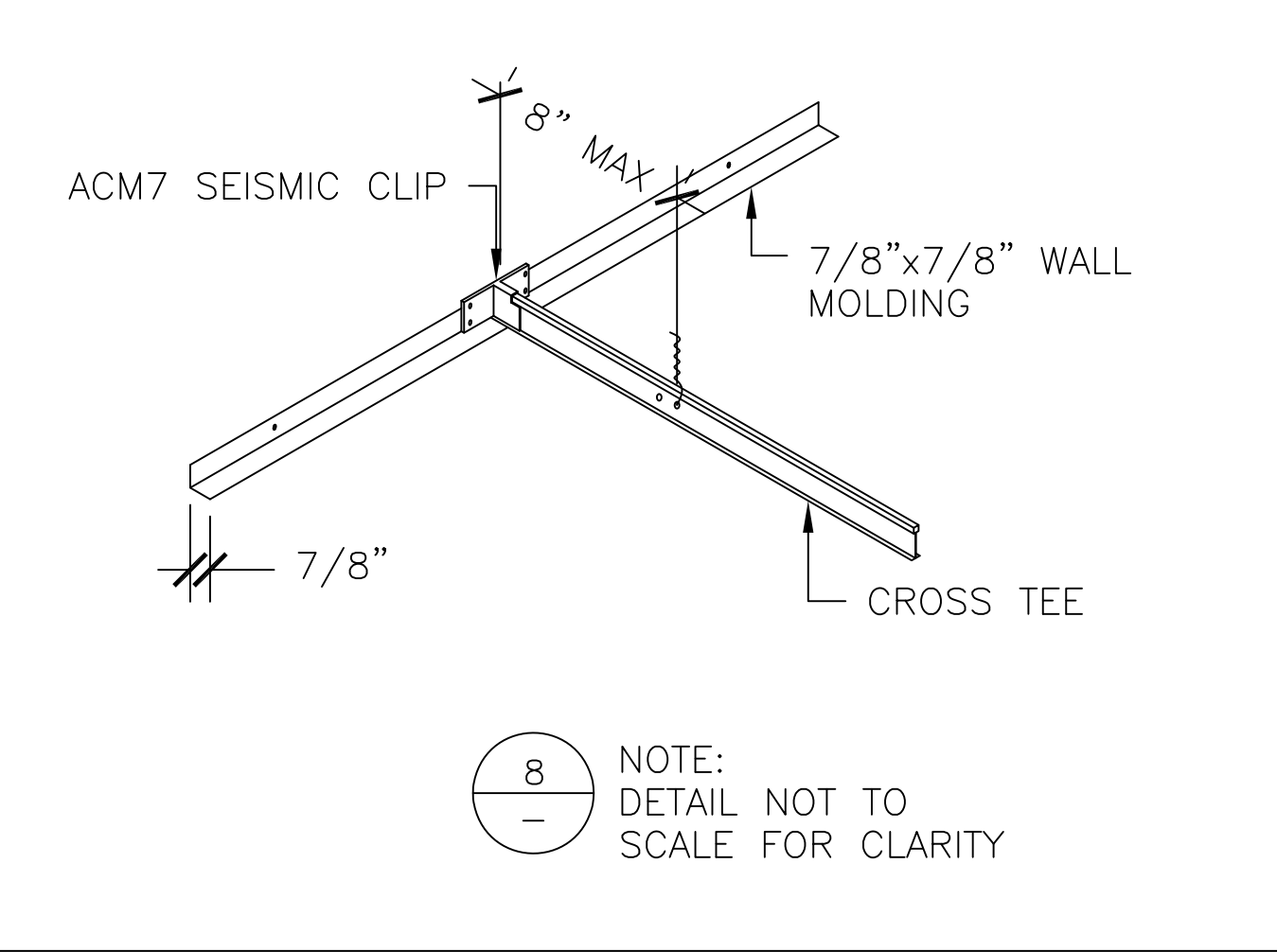
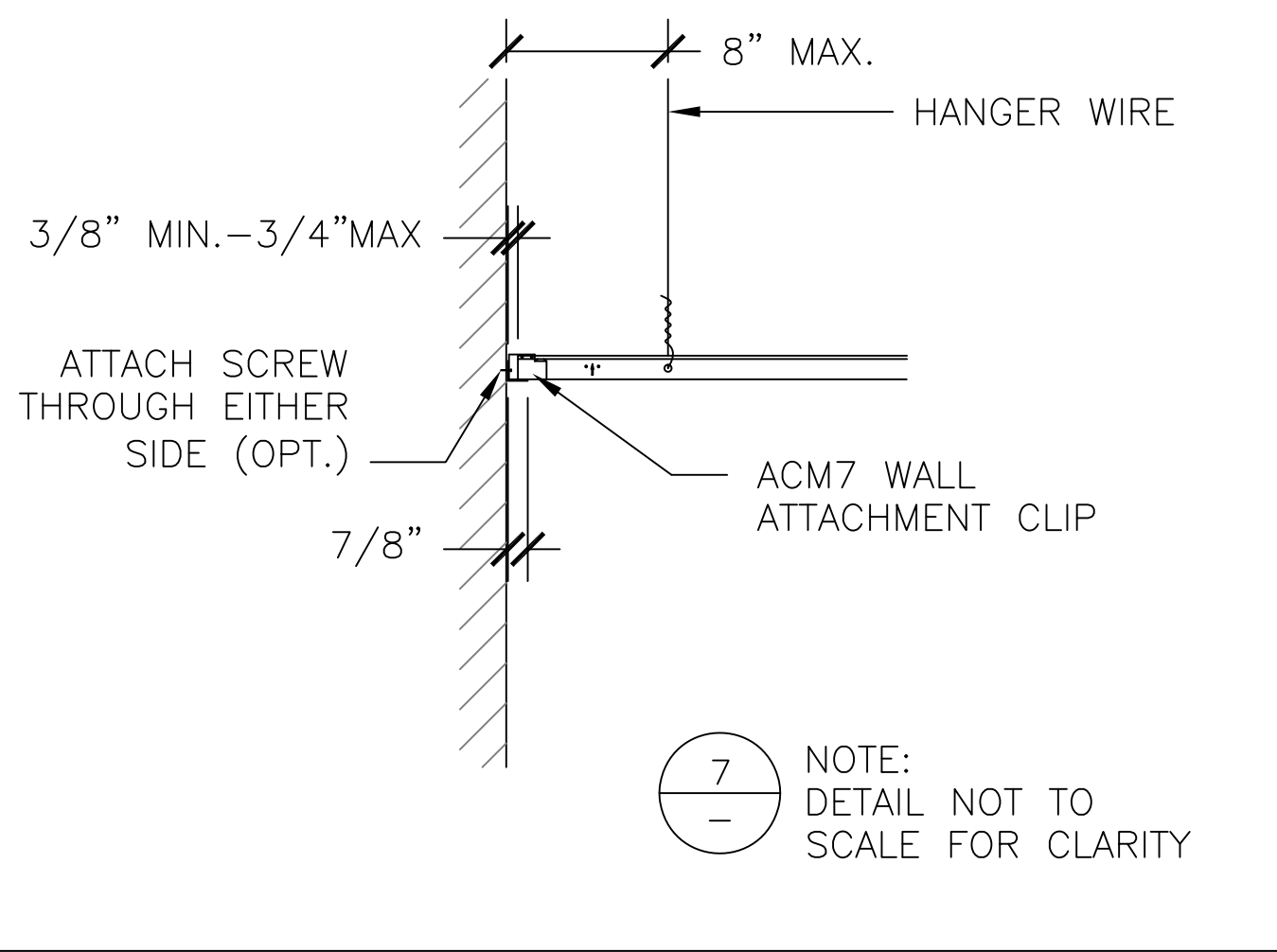
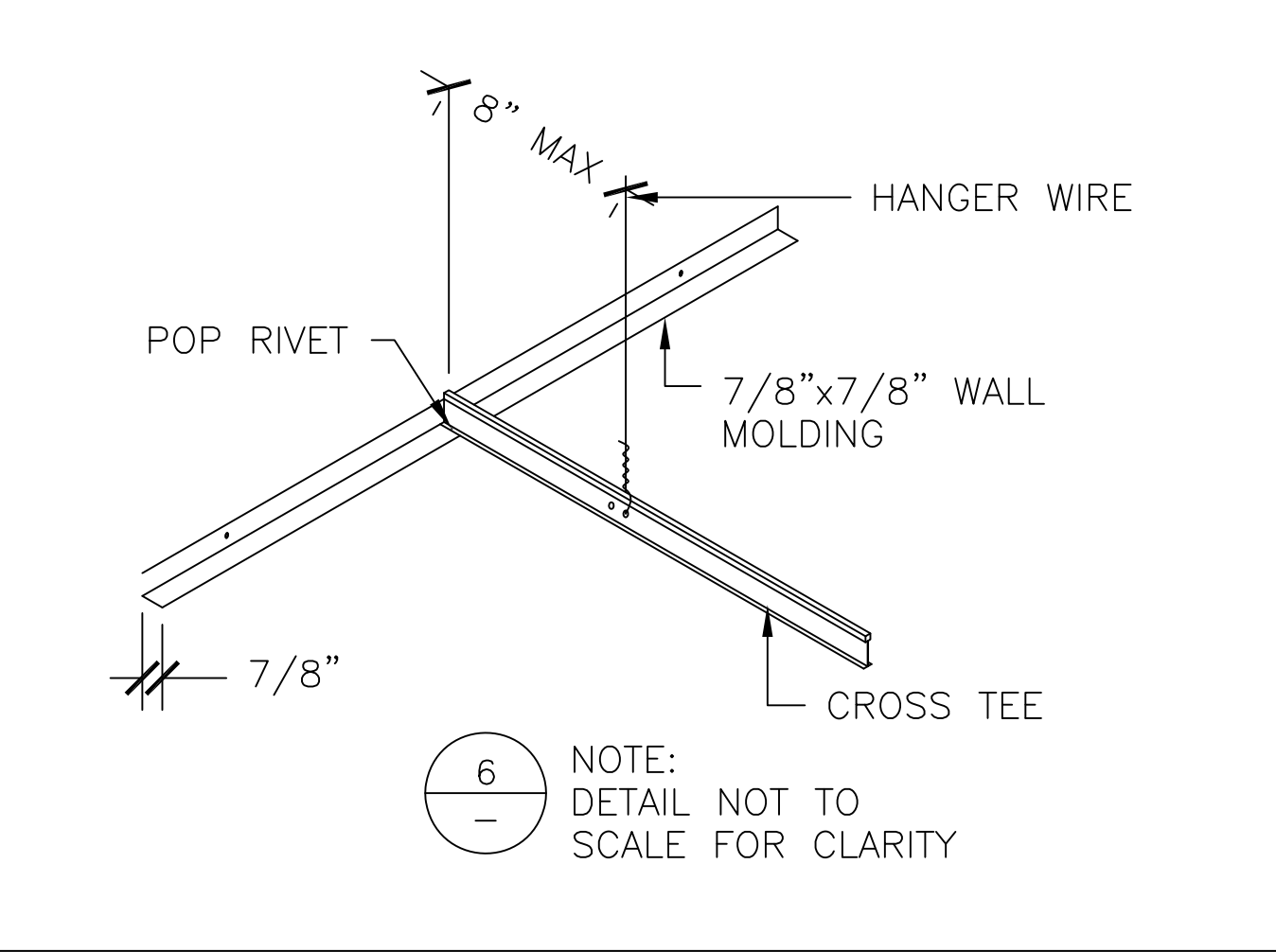
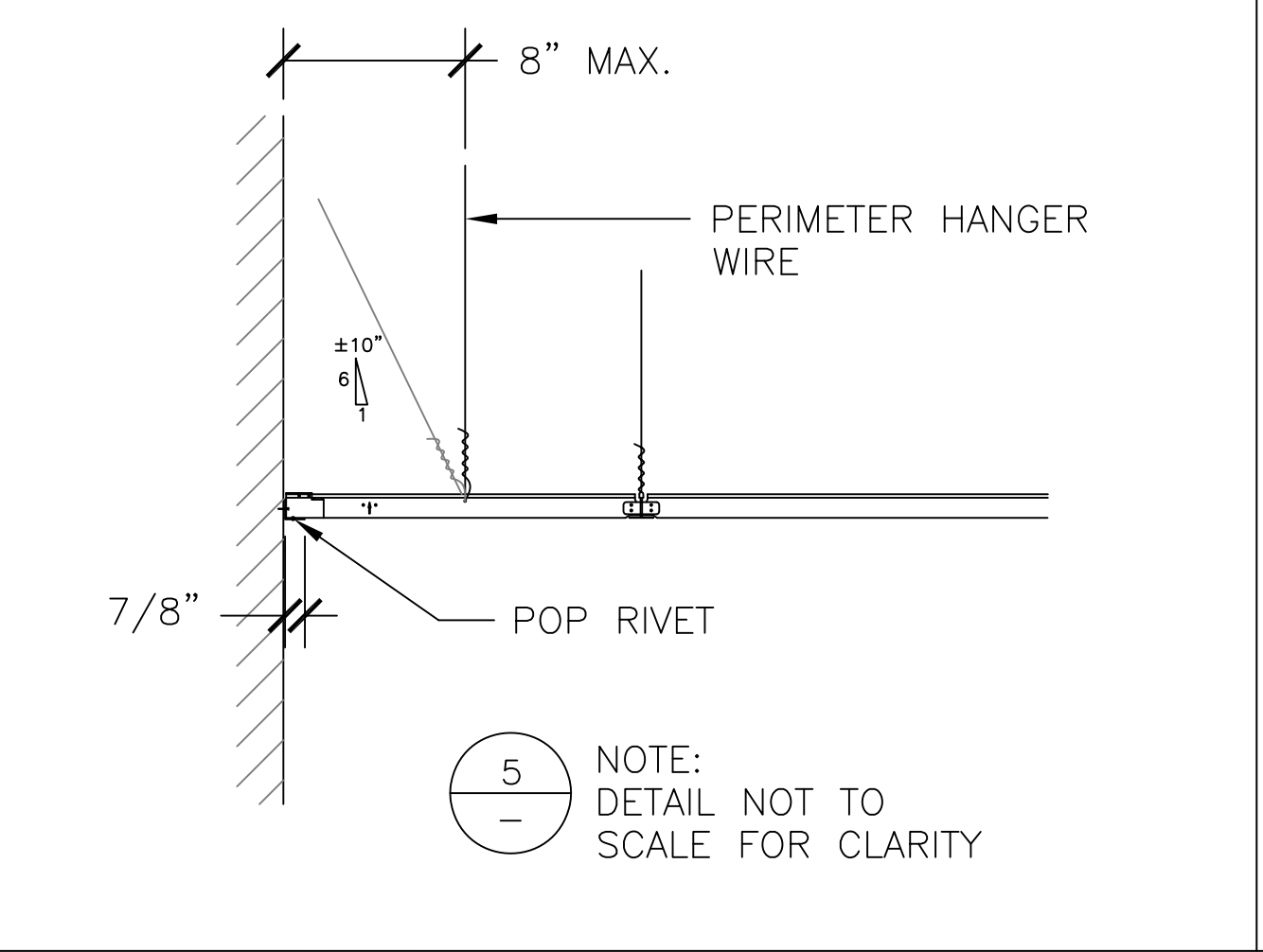
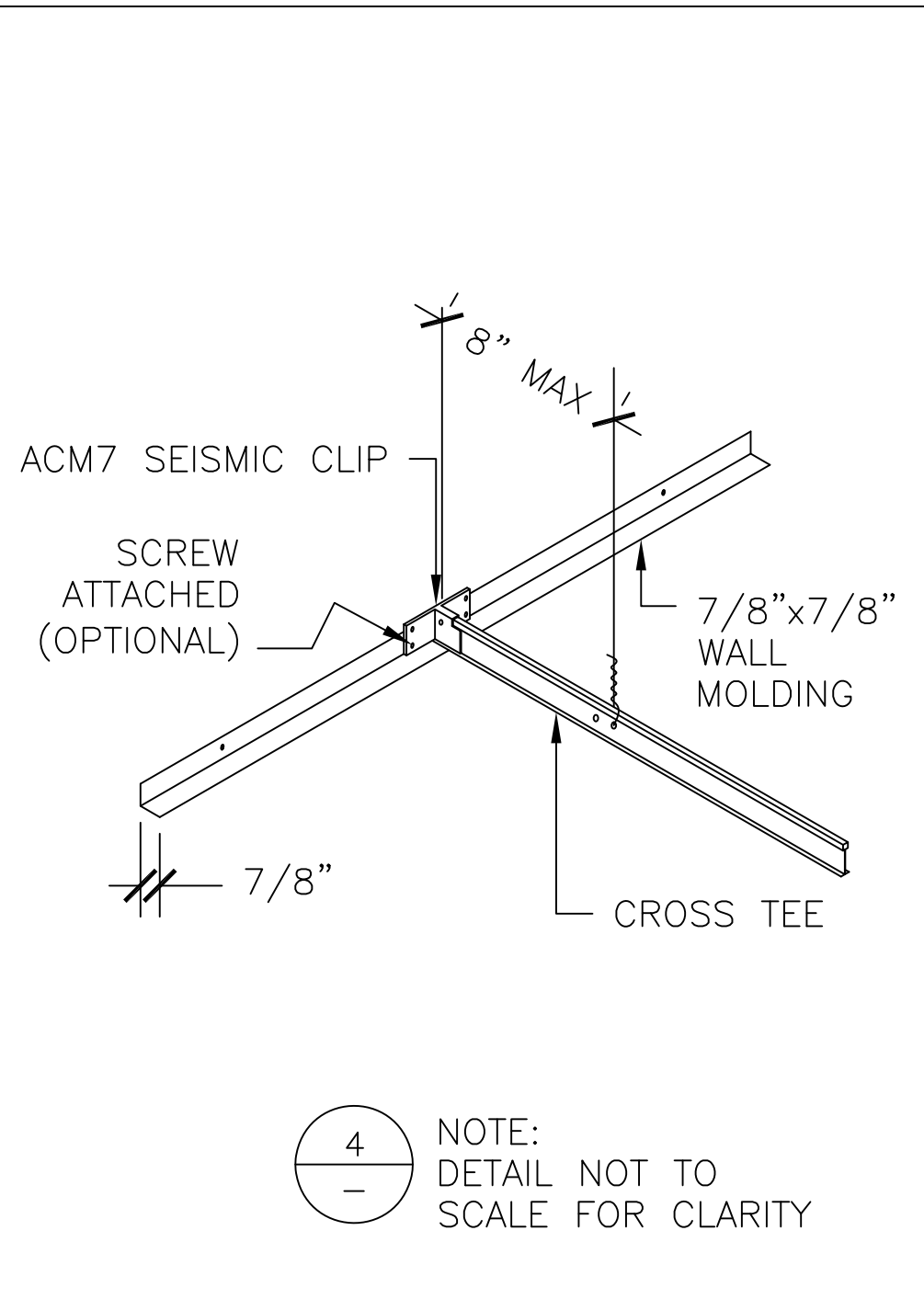
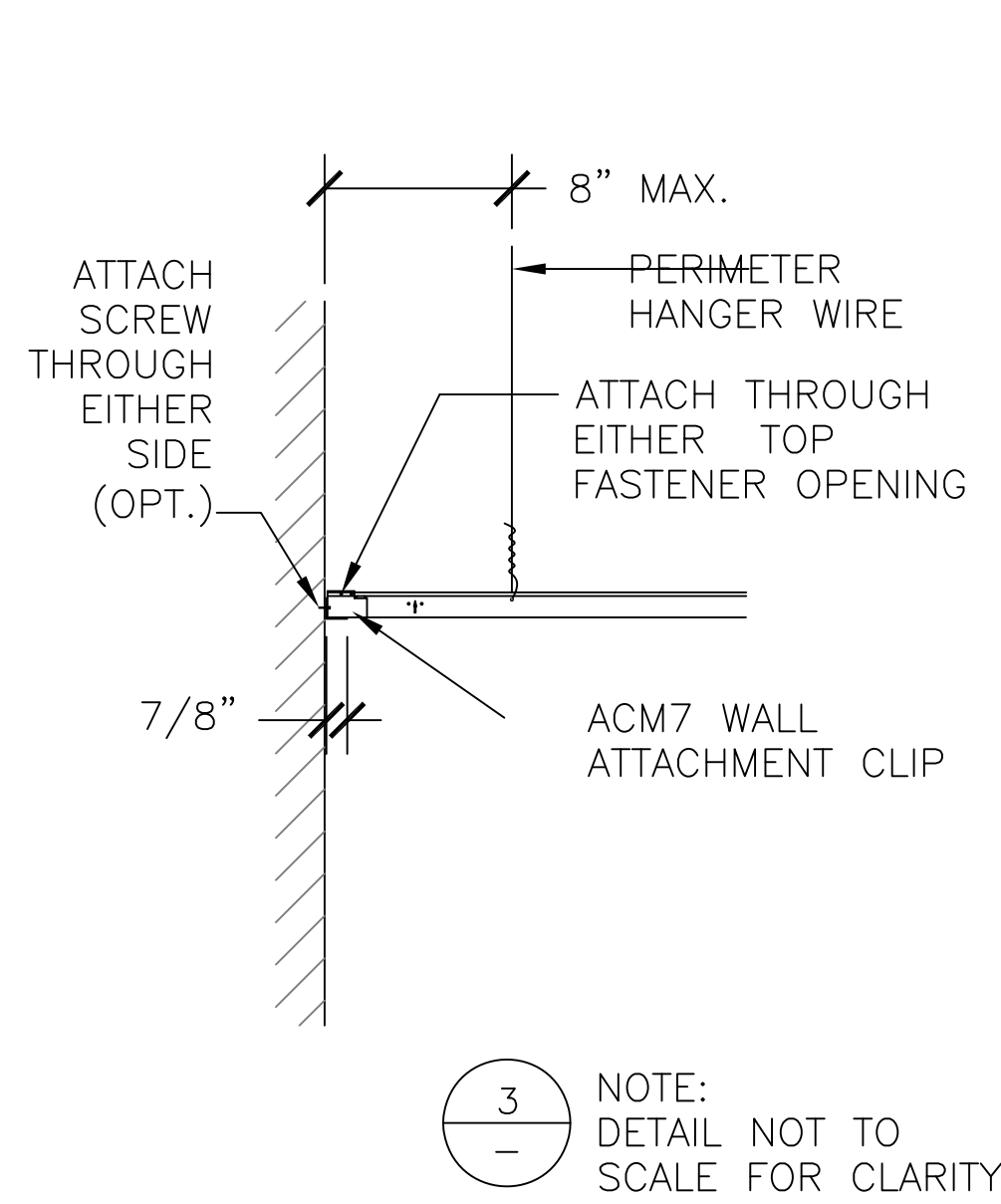
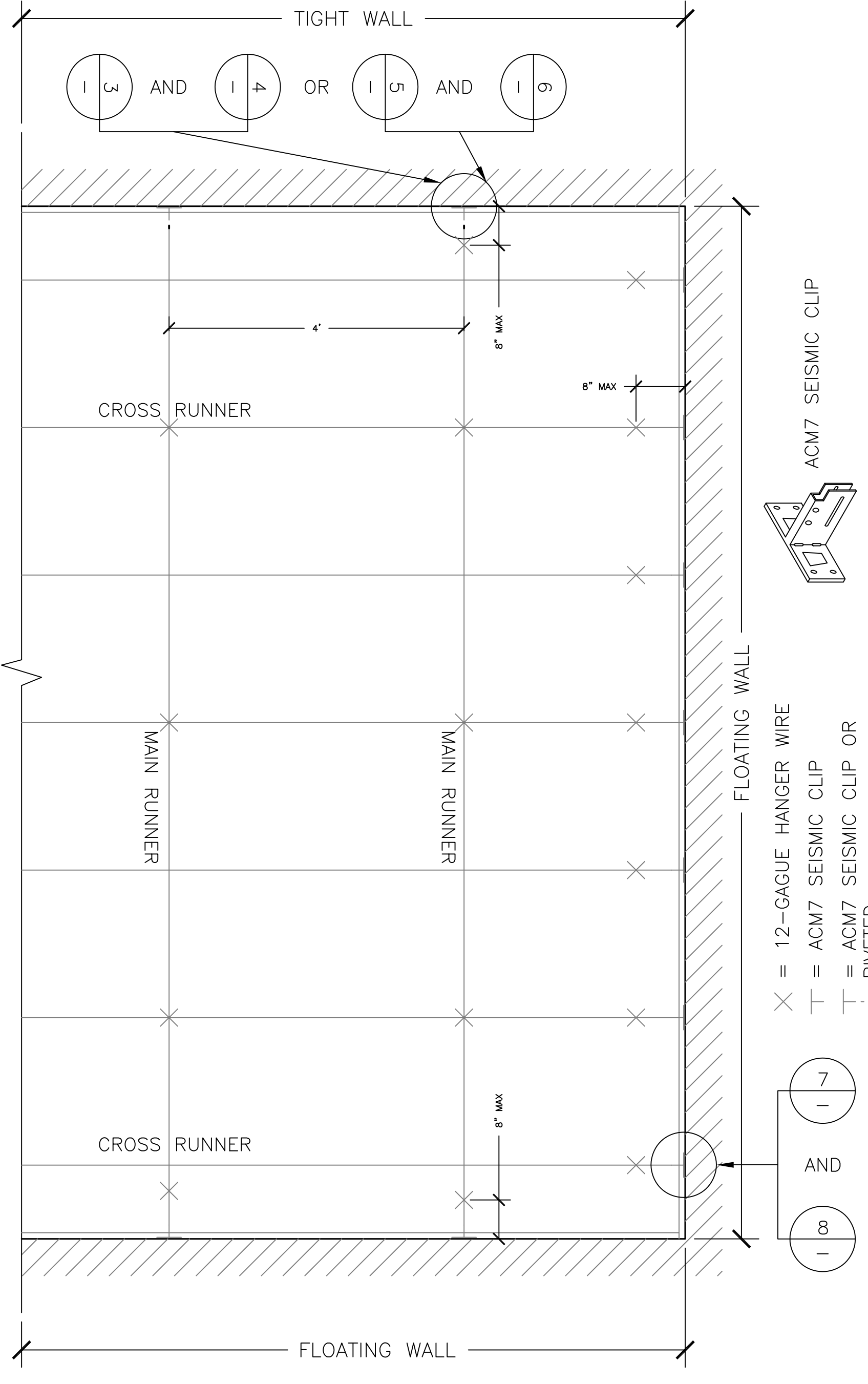
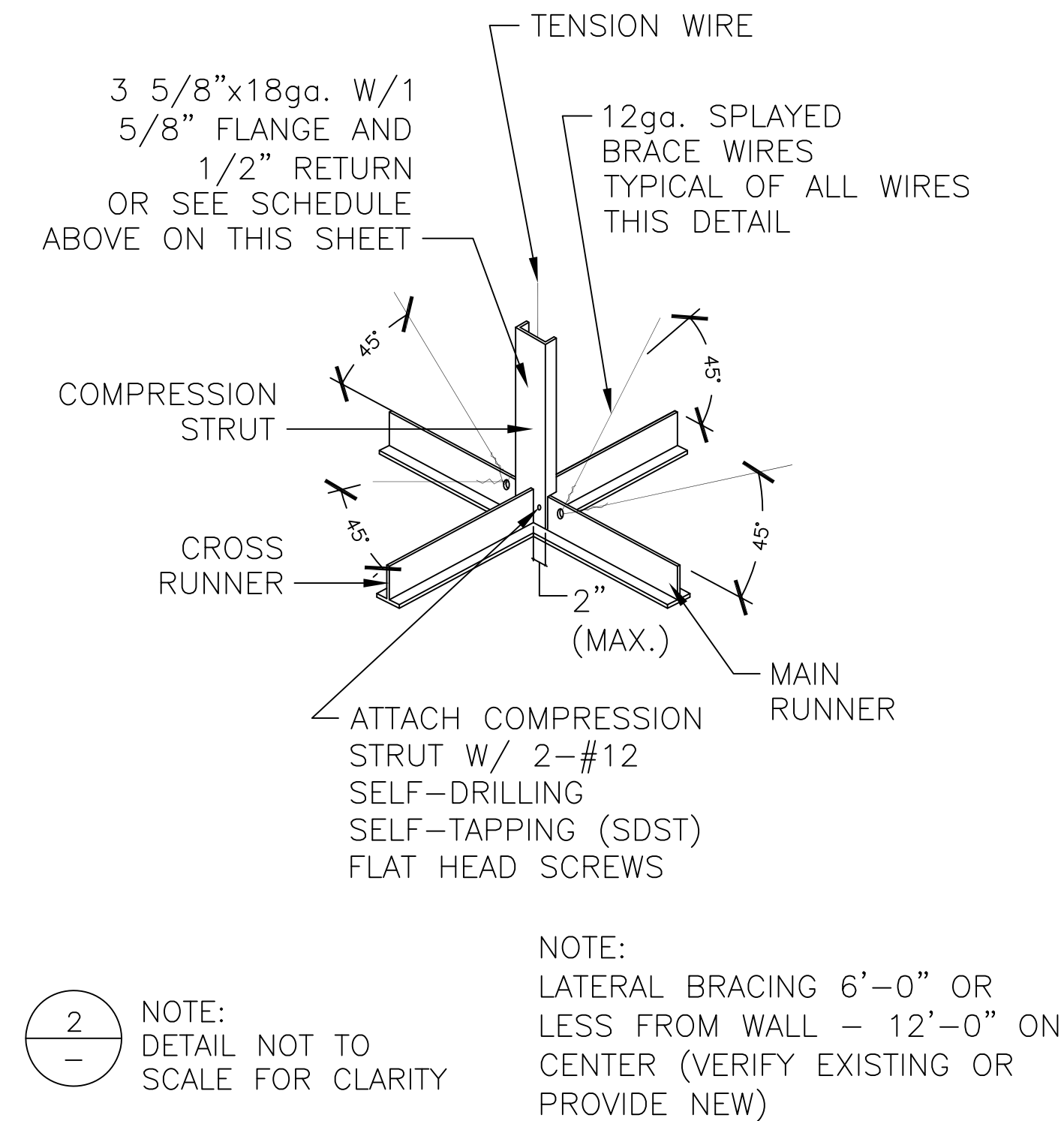
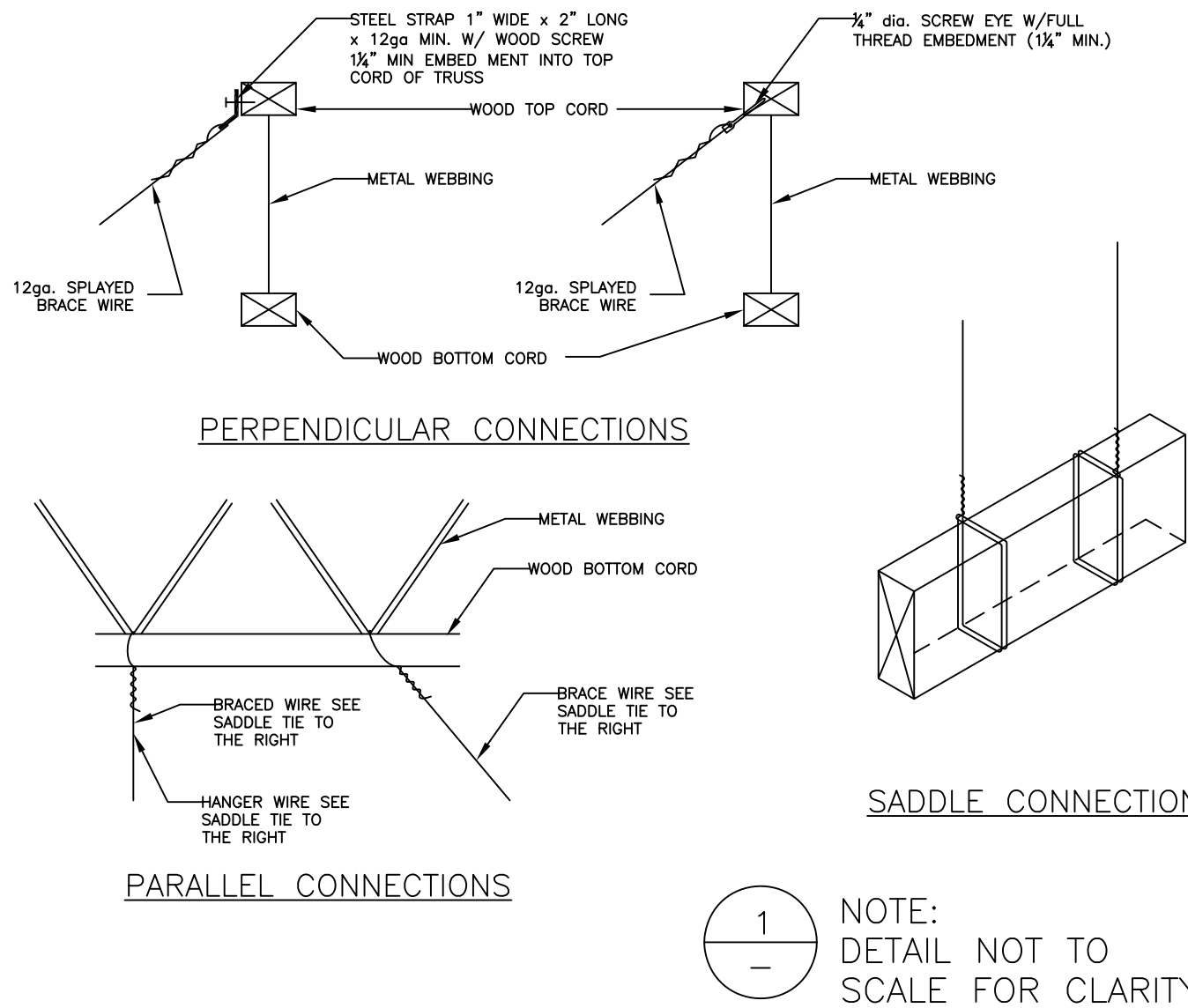


LIGHTING FIXTURES

("Intermediate" systems)
ALL LIGHTING FIXTURES SHALL BE POSITIVELY
ATTACHED TO THE SUSPENDED CEILING
SYSTEM. NO. 12 GAUGE HANGERS SHALL
BE ATTACHED TO THE GRID MEMBERS WITHIN
3" OF EACH CORNER OF EACH FIXTURE. IN
ADDITION TO THE ABOVE, PROVIDE TWO NO.
12 GAUGE HANGERS CONNECTED FROM THE
FIXTURE HOUSING TO THE STRUCTURE
ABOVE. THESE WIRES MAY BE SLACK.

MECHANICAL SERVICES:

CEILING MOUNTED AIR TERMINALS
WEIGHING LESS THAN 20 POUNDS SHALL BE
POSITIVELY ATTACHED TO THE CEILING
RUNNERS. TERMINALS WEIGHING MORE THAN
20 POUNDS SHALL BE INSTALLED AS PER
LIGHT FIXTURE.



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DESIGNERS SIGNATURE

JURISDICTION

BUILDING DEPARTMENT

NAME:
CITY OF VISALIA

ADDRESS:
315 E. ACEQUIA AVE.
VISALIA, CA 93291

PHONE:
559-713-4444

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NAME:
NEIL ANGELILLO
TRUE NORTH PROPERTIES

ADDRESS:
1155 W. SHAW #104
FRESNO, CA 93711

PHONE:
559-222-5768

TENANT

NAME:
STANTON OPTICAL

ADDRESS:
3801 CONGRESS AVE.
PALM SPRINGS, FL 33461

PHONE:
561-275-2020

GEN. CONTRACTOR

CONTRACTOR

COMPANY:
T.B.D.

NAME:

LIC #:

ADDRESS:

PHONE:

T-BAR CEILING DETAILS

CONSTRUCTION SITE

SITE ADDRESS:
3530 S. MOONEY BLVD.
VISALIA, CA 93277

SITE APN:
122-290-026-000

DRAWING INFORMATION

REVISION DATE
12-29-14

FILE NAME:
14-1010-STANTON-VISALIA

DRAWING SCALE:
N.T.S.

LEGEND	
<u>ABBREVIATIONS:</u> A AMPERE A.F.F. ABOVE FINISHED FLOOR C. CONDUIT CO CONDUIT ONLY CU COPPER D DEDICATED OUTLET (E) EXISTING GFI GROUND FAULT INTERRUPT GND GROUND M.L.O. MAIN LUG ONLY (N) NEW NL NIGHT LIGHT U.O.N. UNLESS OTHERWISE NOTED V VOLTAGE WP WEATHER PROOF <u>LIGHT:</u> LUMINAIRE FIXTURE TAG TWO SINGLE POLE SWITCH 3-WAY, TWO SINGLE POLE SWITCH 3-WAY SWITCH WALL MOTION SENSOR WITH DUAL RELAY WALL MOTION SENSOR TIMER OVERRIDE CEILING OCCUPANCY SENSOR WITH DUAL RELAY EXIT SIGN WITH SINGLE FACE PLATE EXIT SIGN WITH DOUBLE FACE PLATE EXIT SIGN. STANDARD LED STYLE COMBO EMERGENCY LIGHT/EXIT SIGN WITH SINGLE FACE W/ 90 MIN. BATTERY BACKUP	<u>POWER & SIGNAL:</u> DUPLEX RECEPTACLE +15" A.F.F., U.O.N. GFI DUPLEX RECEPTACLE +15" A.F.F., U.O.N. QUADLEX RECEPTACLE +15" A.F.F., U.O.N. CEILING MOUNTED DUPLEX RECEPTACLE SPECIAL RECEPTACLE +15" A.F.F., U.O.N. FLOOR RECEPTACLE SINGLE GANG JUNCTION BOX, U.O.N. RECESSED MOUNT DISTRIBUTION PANEL SURFACE MOUNT DISTRIBUTION PANEL TELEPHONE/DATA +15" A.F.F.; RING & STRING TO ACCEPTABLE AREA TELEPHONE +15" A.F.F.; RING & STRING TO ACCEPTABLE AREA 1 GROUND, 1 NEUTRAL AND 1 HOT WIRE CONDUIT WITH WIRES HIDDEN CONDUIT WITH WIRES <u>MECHANICAL</u> DISCONNECT FUSED DISCONNECT CEILING MOUNTED EXHAUST FAN MOTOR <u>EMERGENCY LIGHTING</u> 2' X 4' RECESS LUMINAIRE W/ EMERGENCY LIGHTING
<u>GENERAL</u> 1. ENSURE THAT ALL EQUIPMENT HAS AN AIC RATING ADEQUATE FOR THE SERVICE. IF NECESSARY, CONSULT WITH UTILITY COMPANY TO VERIFY BEFORE PURCHASE OF PANELS. 2. OVERCURRENT DEVICE ENCLOSURES THAT ARE SERIES RATED WILL BE IDENTIFIED AS SERIED-RATED AND LABELED IN ACCORDANCE WITH 2013 C.E.C. THE OVERCURRENT DEVICES SHALL BE AIC RATED PER MANUFACTURERS' LABELING OF THE ELECTRICAL EQUIPMENT. 3. ALL WIRE/CONDUIT SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE: INSIDE CONCEALED TYPE MC (METAL CLAD CABLE). UNDERGROUND: CU THWN IN PVC. INSIDE EXPOSED CU THWN IN EMT OUTSIDE EXPOSED/WET LOCATIONS: CU THWN IN PVC/LIQUID TIGHT. 4. ALL CONDUCTORS SHALL BE #12CU, UNLESS NOTED OTHERWISE. <u>RECEPTACLES</u> 1. WHERE DEDICATED RECEPTACLES ARE INDICATED, VERIFY THAT GROUNDING CONFORMS TO COMPUTER EQUIPMENT REQUIREMENTS. WHERE ISOLATED RECEPTACLES ARE USED, INSTALL PER 2013 C.E.C. <u>LIGHTING</u> 1. DUAL SWITCHING OF ALTERNATE LUMINAIRES OR DUAL BALLASTS IF EQUIPPED, TYPICAL FOR BI-LEVEL CONTROL OF DAYLIT AREAS AND ROOMS> 110 SF PART, 6 131(B) & (C) 2. EXTERIOR LAMPS SHALL HAVE AN EFFICACY OF AT LEAST 60 LUMENS/WATT PER TITLE-24. 3. EMERGENCY LIGHTING FIXTURES SHALL PROVIDE 1.0 FC AT FLOOR LEVEL WITH BATTERY POWER. PROVIDE MFG SPEC. TO BLDG DEPT IF REQUIRED.	

LUMINAIRE SCHEDULE		
	TYPE: A DESCRIPTION: 2'X4' RECESSED FLUORESCENT HOUSING: WHITE ENAMEL AND COLD-ROLLED STEEL LENS: #12 ACRYLIC DIFFUSER BALLAST: (1) 2-LAMP ELECTRONIC LAMP: (2) F32T5 INPUT WATTS: 55 MANUFACTURERS: LITHONIA: #2GT8-2-32-A12-MVOLT-GEB10RS, OR EQUAL.	SYMBOL
EXISTING	TYPE: B DESCRIPTION: 2'X2' RECESSED MOUNTED FLUORESCENT HOUSING: WHITE ENAMEL AND COLD-ROLLED STEEL LENS: #12 ACRYLIC DIFFUSER BALLAST: (2) 1-LAMP ELECTRONIC LAMP: (2) F31T8U INPUT WATTS: 69 MANUFACTURERS: LITHONIA: OR EQUAL.	SYMBOL
EXISTING	TYPE: C DESCRIPTION: RECESSED FLUORESCENT WRAPAROUND HOUSING: 8.33"X48" W/ WHITE ENAMEL END PLATES LENS: FLAT GLASS BALLAST: (1) 1-LAMP ELECTRONIC LAMP: (2) F32T8 INPUT WATTS: 62. MANUFACTURERS: LITHONIA #SB232-120GEB; OR EQUAL	SYMBOL
EXISTING	TYPE: D DESCRIPTION: SURFACE FLUORESCENT WRAPAROUND HOUSING: 8.33"X48" W/ WHITE ENAMEL END PLATES LENS: FLAT GLASS BALLAST: (1) 1-LAMP ELECTRONIC LAMP: (2) F32T8 INPUT WATTS: 62. MANUFACTURERS: LITHONIA #SB232-120GEB; OR EQUAL	SYMBOL
	TYPE: E DESCRIPTION: UNIVERSAL MOUNTED L.E.D. EXIT SIGN W/ BUNGEE @ 120 VOLT. HOUSING: DIE CAST ALUMINUM HOUSING W/ BRUSHED FACEPLATE. LENS: PROVIDE DIFFUSING LENS. BALLAST: PROVIDE 90 MINUTE NICKEL CADMIUM BATTERY BACK-UP. NOTE: PROVIDE SELF DIAGNOSTIC. LAMP: RED L.E.D./HALOGEN INPUT WATTS: 12 MANUFACTURERS: LITHUANIA LE ELN SERIES, SURE-LITES CX SERIES, HUBBELL, CHLORIDE, LSI LIGHTING; OR APPROVED EQUAL.	SYMBOL
	TYPE: F DESCRIPTION: WALL MOUNTED EMERGENCY LIGHT WITH 90 MIN. BATTERY BACKUP HOUSING: 18-GUAGE STEEL HOUSING LENS: GLASS SEALED BEAM LAMPS BALLAST: (2) DUAL-VOLTAGE INPUT CAPACITY (120 OR 277 VOLTS) LAMP: (2) 12-WATT INCANDESCENT GLASS SEALED BEAM LAMPS INPUT WATTS: 50 MANUFACTURERS: LITHONIA ELT180; OR EQUAL	SYMBOL
	TYPE: G DESCRIPTION: RECESSES CAN LIGHT WITH DIMMER BALLAST HOUSING: HEAVY GAUGE DIE FORMED GALVANIZED STEEL HOUSING LENS: TEMPERED PRISMATIC GLASS LENSE BALLAST: ELECTRONIC CLASS P THERMALLY PROTECTED BALLAST LAMP: TRT 4-PIN INPUT WATTS: 26 MANUFACTURERS: LITHONIA LF8N WITH DIMMING BALLAST	SYMBOL

OWNER WILL PROVIDE LIGHT FIXTURES

Phone / Fax: (209) 951-4527
E-Mail: lee4streamline@comcast.net
Or visit us at:
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VISALIA, CA 93277

SITE APN:
122-290-026-000

DRAWING INFORMATION

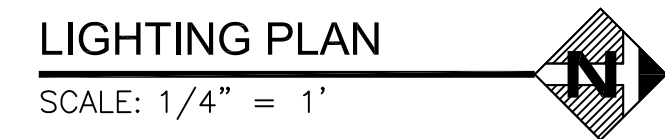
REVISION DATE

FILE NAME:
14-1010-STANTON-VISA

DRAWING SCALE:

N/A

E 1



LIGHTING OVERRIDE

TO ENCLOSED AREAS OR FLOORS
IF MULTIPOINT CONTROL

MAIN PANEL BOX

PANEL

ATS

AUTOMATIC TIME SWITCH FOR BUILDING

ENCLOSED SPACE
≤ 5000 sf

TIMED MANUAL OVERRIDE. MANUAL SWITCH AND OVERRIDE ARE ONLY ONE DEVICE.

The diagram illustrates the wiring for a lighting override system. A 'MAIN PANEL BOX' is connected to a 'PANEL' (represented by a vertical rectangle). This panel is connected to an 'ATS' (Automatic Time Switch) unit. The ATS is connected to an 'ENCLOSED SPACE' (represented by a 3D box). The ATS is labeled 'AUTOMATIC TIME SWITCH FOR BUILDING'. The 'ENCLOSED SPACE' is labeled 'ENCLOSED SPACE ≤ 5000 sf'. A line from the ATS goes to the 'ENCLOSED SPACE' and is labeled 'TO ENCLOSED AREAS OR FLOORS IF MULTIPOINT CONTROL'. A note points to the connection between the ATS and the Enclosed Space, stating: 'TIMED MANUAL OVERRIDE. MANUAL SWITCH AND OVERRIDE ARE ONLY ONE DEVICE.'

120V

TIME SWITCH

TS

N

PHOTOCELL

LIGHTING CONTACTOR

C

N

L1-1 LIGHTING

L1-2 LIGHTING

L1-3 LIGHTING

L1-4 LIGHTING

L1-5 LIGHTING

L1-6 LIGHTING

L1-7 LIGHTING

L1-8 LIGHTING

L1-9 LIGHTING

L1-10 LIGHTING

L1-11 LIGHTING

L1-12 LIGHTING

L1-13 LIGHTING

L1-14 LIGHTING

L1-15 LIGHTING

L1-16 LIGHTING

L1-17 LIGHTING

L1-18 LIGHTING

L1-19 LIGHTING

L1-20 LIGHTING

NEW L2-16 LIGHTING

NEW L2-18 LIGHTING

NEW L2-23 LIGHTING

Diagram illustrating the installation of a fluorescent light fixture to a ceiling tile using a fastener fixture and suspension wires.

FASTEN #12 SUSPENSION WIRE AT 2 DIAGONAL CORNERS OF EACH 4' LAY-IN FIXTURE & TO STRUCTURAL MEMBER.

SEE ARCH. DRAWINGS & SPECS ON "HANGER WIRE DETAIL" FOR ANCHORAGE DETAIL.

PROVIDE 2 TAUGHT WIRES AT DIAGONAL CORNERS FOR FIXTURES THAT WEIGH 55 LBS. OR LESS.

PROVIDE 4 TAUGHT SUPPORT WIRES, ONE AT EACH CORNER FOR FIXTURES THAT WEIGH MORE THAN 56 LBS.

INTEGRAL EARTHQUAKE CLIP. BEND OUT AS REQUIRED TO ENGAGE MAIN "TEE" RUNNERS. "X" HOLE IN CLIP FOR SUSPENSION RUNNERS.

CEILING TILE

T-BAR

FASTEN FIXTURE TO MAIN RUNNER W/ #8 X 2 SELF-TAPPING TEK SCREWS, ONE AT EACH OPPOSING CORNER.

LAY-IN FLUORESCENT LIGHT FIXTURE

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www.streamlinedigitaldesign.com

Phone / Fax: (209) 951-4827
E-Mail: leadstreamline@comcast.net

DESIGNERS' SIGNATURE

JURISDICTION	BUILDING DEPARTMENT
	<u>NAME:</u> CITY OF VISALIA
	<u>ADDRESS:</u> 315 E. ACEQUIA AVE. VISALIA, CA 93291
	<u>PHONE:</u> 559-713-4444

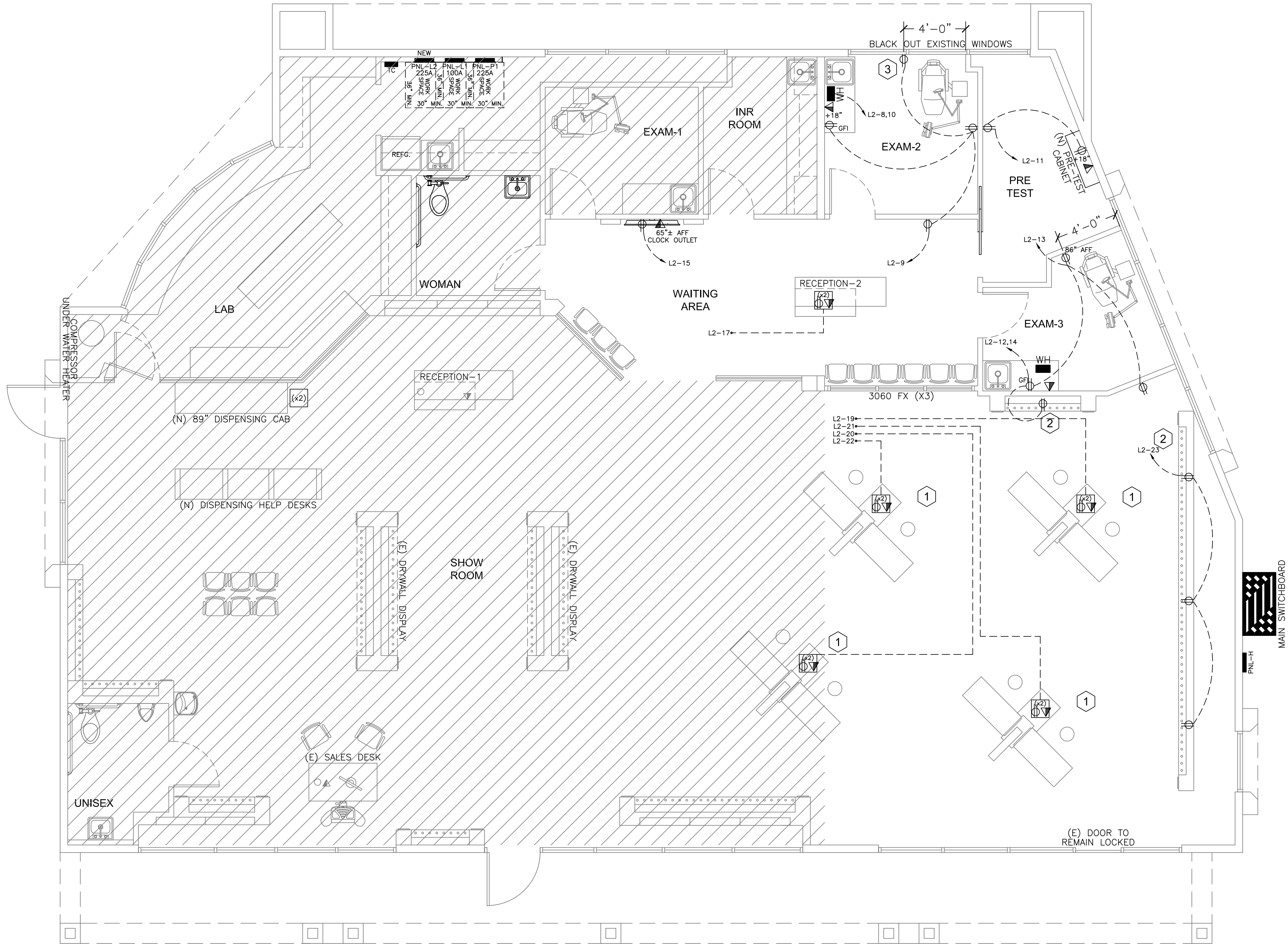
OWNER	BUILDING OWNER
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	<u>ADDRESS:</u> 1155 W. SHAW #104 FRESNO, CA 93711
	<u>PHONE:</u> 559-222-5768

TENANT	TENANT
	NAME: STANTON OPTICAL
	ADDRESS: 3801 CONGRESS AVE. PALM SPRINGS, FL 33461
	PHONE: 561-275-2020

CONTRACTOR	CONTRACTOR
	<u>COMPANY:</u>
	T.B.D.
	<u>NAME:</u>
	<u>LIC #:</u>
<u>ADDRESS:</u>	
<u>PHONE:</u>	

LIGHTING PLAN	CONSTRUCTION SITE
	SITE ADDRESS: 3530 S. MOONEY BLVD VISALIA, CA 93277
	SITE APN: 122-290-026-000
	DRAWING INFORMATION
	REVISION DATE 12-29-14
	FILE NAME: 14-1010-STANTON-VISALIA
	DRAWING SCALE: 1/2" = 1'

E2



ELECTRIC PLAN

SCALE: 1/4" = 1'

ELECTRIC NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2013 CALIFORNIA ELECTRICAL CODE, AS ACCEPTED AND AMENDED BY LOCAL ORDINANCES.
- ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
- ANY EQUIPMENT AND MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW, UNUSED, AND FREE FROM DEFECTS.
- ALL WORK SHOWN ON DRAWINGS IS IN PART SCHEMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL LAYOUT.
- WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
- FINAL ACCEPTANCE OF WORK IN PLACE SHALL BE SUBJECT TO APPROVAL BY OWNER OR THE OWNERS REPRESENTATIVE. INSTALLATION APPROVAL SHALL BE BASE ON APPROVED SUBMITTAL, SHOP DRAWINGS AND LOCAL INSPECTIONS.
- CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
- BRANCH CIRCUIT RACEWAY SHALL BE MC CABLE OR 1/2" ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED. RACEWAYS IN FLOOR SLABS SHALL BE PVC AND/OR PVC COATED MC CABLE UNLESS OTHERWISE NOTED.
- ALL INTERIOR OUTLET, JUNCTION AND PULL BOXES SHALL BE METALLIC, SIZED PER CODE FOR THE NUMBER OF
- ALL ELECTRICAL RACEWAYS SHALL BE CONCEALED IN THE WALLS AND ABOVE SUSPENDED CEILING OR BELOW RAISED FLOOR UNLESS OTHERWISE NOTED.
- ALL CONDUCTORS SHALL BE #12 THHN/THWN AWG MINIMUM, UNLESS NOTED OTHERWISE.
- ALL JUNCTION BOXES AND MECHANICAL EQUIPMENT REQUIRING ACCESS FOR SERVICE SHALL BE LOCATED OVER ACoustICAL CEILINGS, NO ACCESS HATCHES SHALL BE INSTALLED IN GYPSUM BOARD CEILINGS WITHOUT PRIOR APPROVAL BY DESIGNER. (NO EXCEPTION)
- NO COMBUSTIBLE MATERIALS SHALL BE USED IN THE PLENUM SPACE, INCLUDING ALUMINUM FLEX ALUMINUM CONDUIT, AND POT METAL CONNECTORS.
- CONDUIT ABOVE CEILING MUST BE A MINIMUM OF 12" ABOVE THE CEILING.
- PROVIDE FULLY CONCEALED SPRINKLERS IN GYP. BOARD CEILINGS IF REQUIRED.
- LOCATIONS OF CEILING DEVICES AS AIR DIFFUSERS, GRILLES, LIGHT FIXTURES, ETC., SHALL BE AS SHOWN ON THE REFLECTED CEILING PLAN, WHERE DISCREPANCIES IN LOCATION OCCUR, THE PROPOSED FLOOR PLAN SHALL GOVERN. NOTIFY DESIGNER OF ANY DISCREPANCIES FOR CLARIFICATIONS.
- PLACEMENT OF LIGHT FIXTURES IN AREAS WHERE MAIN DUCTS MAY CAUSE INTERFERENCE MUST BE APPROVED BY DESIGNER PRIOR TO INSTALLATION.
- FIELD VERIFY ALL CLEARANCES OF DUCTS, PIPES, SPRINKLERS, ETC., AND NOTIFY DESIGNER OF ANY CONFLICTS PRIOR TO INSTALLATION OF LIGHTS ETC.
- VERIFY ACTUAL CEILING GRID LOCATION AND NOTIFY THE LOCAL FIRE MARSHAL OF ANY DISCREPANCIES.
- LOCATE RECESSED DOWN LIGHTS, WALL, WASHERS, SMOKE DETECTORS, EXIT SIGNS, SPEAKERS, FIRE SPRINKLERS, ETC., IN CENTER OF 24" X 24" CEILING TILES OR IN CENTER OF 24" X 24" PORTION OF 24" X 48" CEILING TILES, UNLESS NOTED OTHERWISE.
- FOR SPECIFICATIONS OF NEW BUILDING STANDARD LIGHT FIXTURES, SWITCHES, EXIT SIGNS SEE ELECTRICAL DRAWINGS.
- ALL NEW FLUORESCENT LAMPS WILL BE BUILDING STANDARD, SAME COLOR AND MANUFACTURES.
- PROVIDE SWITCHES AND LIGHT SENSORS FOR OPEN AREAS AND PRIVATE OFFICES. ACTUAL LOCATION OF ALL SWITCHES TO BE PROVIDED ON ELECTRICAL DRAWINGS.
- PLACE ALL LIGHT SENSORS @ 36" A.F.F., UNLESS NOTED OTHERWISE.
- MOUNT LIGHT SENSORS WITHIN 12" OF EDGE OF DOOR SWING AND MAINTAIN CONSISTENT\ DIMENSION THROUGHOUT.
- PROVIDE BACK-UP POWER FOR EXIT SIGNS
- EMERGENCY LIGHTING SHALL BE 2 SEPARATE SOURCES OF POWER AND SHALL COMPLY WITH ARTICLE 700 OF THE 2013 C.E.C.

ELECTRIC KEYNOTES

- 1 • FLOOR BOX WITH POWER AND DATA
- 1 1/4" CONDUIT FOR DATA
- 1/2" CONDUIT FOR POWER
- 2 • CONTROL THRU LCP
- 3 • FACE DOWN IN CEILING TILE

NOTE: OUTLETS TO BE MOUNTED HORIZONTAL 6" DOWN FROM TOP OF RECESS

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ELECTRIC PLAN

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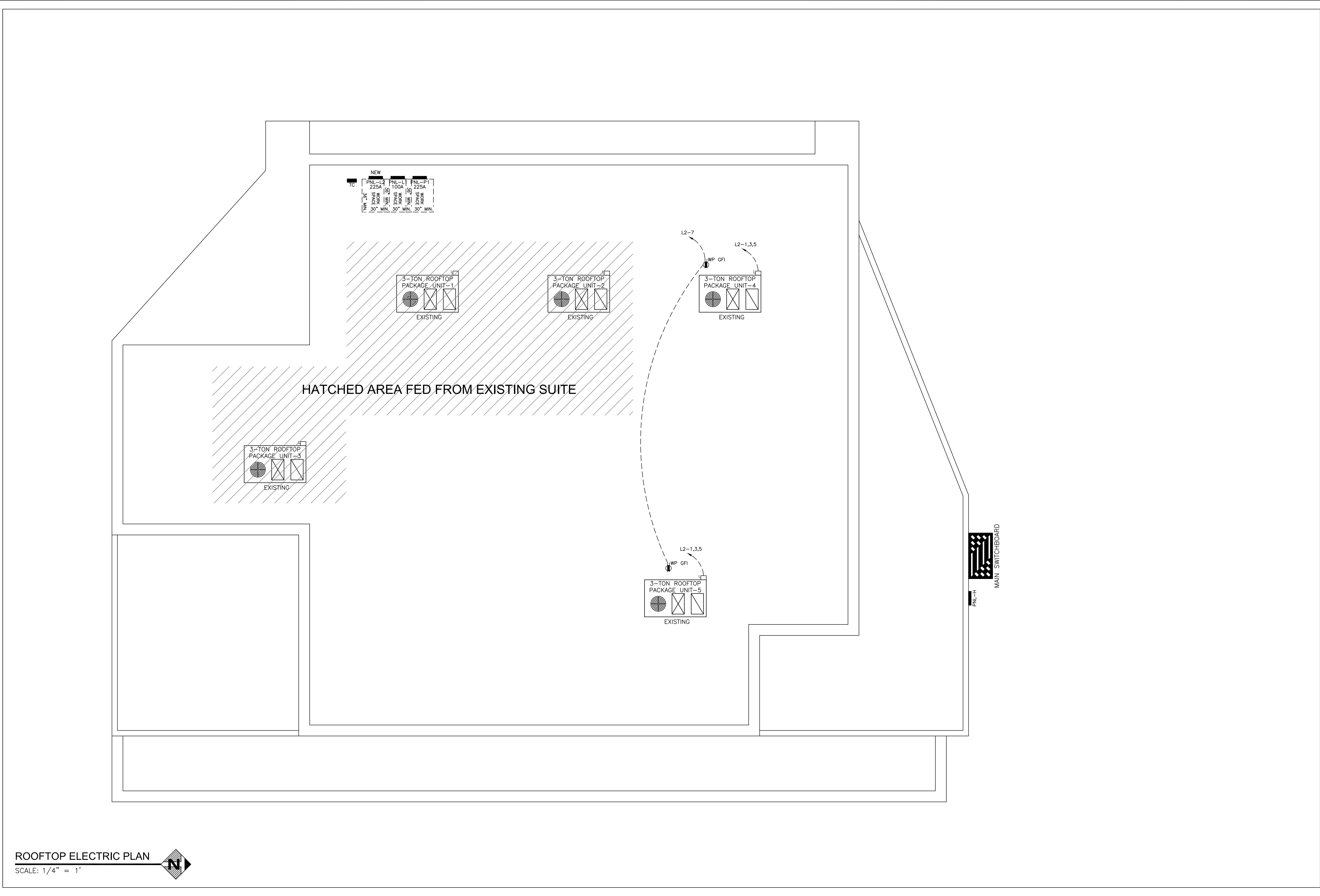
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	NAME: CITY OF VISALIA
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	NAME: STANTON OPTICAL
	ADDRESS: 3801 CONGRESS AVE. PALM SPRINGS, FL 33461
	PHONE: 561-275-2020
GEN. CONTRACTOR	CONTRACTOR
	COMPANY: T.B.D.
	NAME:
	LIC #: ADDRESS: PHONE:
ROOFTOP ELECTRIC PLAN	CONSTRUCTION SITE
	SITE ADDRESS: 3530 S. MOONEY BLVD. VISALIA, CA 93277
	SITE APN: 122-290-026-000
	DRAWING INFORMATION REVISION DATE 12-29-14 FILE NAME: 14-1010-STANTON-VISALIA DRAWING SCALE: N/A

E4

NamePNL-L2LocationBREAKBrandMain ModelMain

A.I.C. Rating225Bus Amps225Main Amps225Breaker StyleTRIPPhase3Poles42

☒ Print

Feeder/System/Occupancy

Fed FromMSBSystem208/120v 3 Phase 4 W

Feeder OCPInstant trip breakerAmp800OccupancyAll Others

Other Type

Printed Reports

☒ Project Page☒ List of Loads

Circuit DirectoryBreaker AmpsShowSize6 inch x 8 inch

Load (Va)BreakerLoad (Va)

Cct	Circuit Name	Load Type	A	B	C	P	Amp	Breaker	Amp	P	A	B	C	Load Type	Circuit Name	Cct
1	UNIT-4	Cooling	5990				50		50		5990			Cooling	UNIT-5	2
3			5990								5990					4
5				5990								5990				6
7	ROOTTOP	Gen. Receptacle	360				20		40		4560			Small Appliance	WATER HEATER	8
9	EXAM-2	Gen. Receptacle	540				20		40		4560			Small Appliance	WATER HEATER	10
11	PRE-TEST	Gen. Receptacle		360			20		40		4560			Small Appliance	WATER HEATER	12
13	EXAM-3	Gen. Receptacle	540				20		40		4560					14
15	TV	Gen. Receptacle		1500			20		20					Cont. Lighting	SHOW ROOM	16
17	RECEPTION-2	Gen. Receptacle		540			20		20					Cont. Lighting	EXAM ROOMS	18
19	SALES DESK	Gen. Receptacle	540				20		20		540			Gen. Receptacle	SALES DESK	20
21	SALES DESK	Gen. Receptacle		540			20		20		540			Gen. Receptacle	SALES DESK	22
23	DRYWALL DISPLAY	Gen. Receptacle			360		20									24
25																26
27																28
29																30
31																32
33																34
35																36
37																38
39																40
41																42

Demand Loads (Va)

General Lighting	0.0
Continuous Lighting	0.0
General Receptacle	6360.0
Dwelling Appliance	0.0
Electric Dryer	0.0
Kitchen Units	0.0
Heating/Cooling	11980.0
Other @ 100%	0.0
Motor Load	0.0
25% Largest Motor	0.0
Other @ 125%	0.0

Connected Load Without Demand Factoring

	A	B	C
Connected Load	23080		17800
Per Phase (Va)			19660

Total Connected Load (Va)

	Amps
60540	168

Total Demand Load

Va	Amps
18340	51

NEW PANEL-L2

(e) MAIN SWITCHBOARD 120/208V, 3 ϕ , 4W, NEMA 3

The diagram illustrates the electrical distribution system. It begins with a utility transformer (UTILITY XFMR) connected to an existing main switchboard (MSB) enclosure. The MSB contains an 800A bus, a ground bus, and a #3CU ground. The system is fed by a 120/208V, 3-phase, 4-wire, NEMA 3 main switchboard. The main bus is labeled (e) 800/3. The ground bus is labeled (e) GRND BUS. The ground is connected to the utility ground (e) UFER GND, building steel (e) BLDG. STEEL, and cold water pipe (e) COLD WATER PIPE. The system is divided into three phases: (e) 200/3, (e) 225/3, and (N) 225/3. The main bus is connected to three panels: (E) PNL-H (120/208V, 3 ϕ , 200A MLO), (E) PNL-P1 (120/208V, 3 ϕ , 225A MLO), and (N) PNL-L2 (120/208V, 3 ϕ , 225A MLO). The PNL-H panel is connected to a (E) TIME CLOCK. The PNL-P1 panel is connected to a (E) 100/3 bus, which is then connected to (E) PNL-L1 (120/208V, 3 ϕ , 100A MLO). The PNL-L1 panel is connected to a (E) TIME CLOCK. The PNL-L2 panel is connected to a NEW 2" CONDUIT (4EA) 4/0 THWN CU ST (1)#4CU GND. The system is labeled ONE LINE.

ONE LINE

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Phone / Fax: (209) 951-4527
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DESIGNERS SIGNATURE

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PANEL SCHED / ONE LINE

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FILE NAME:
14-1010-STANTON-VISALIA
DRAWING SCALE:
N/A

E5

CA Building Energy Efficiency Standards - 2013 Nonresidential ComplianceJune 2014
2014 Building Energy Efficiency Standards - 2013 Nonresidential ComplianceCA Building Energy Efficiency Standards - 2013 Nonresidential Compliance[illegible]June 2014CA Building Energy Efficiency Standards - 2013 Nonresidential ComplianceCA Building Energy Efficiency Standards - 2013 Nonresidential ComplianceCA Building Energy Efficiency Standards - 2013 Nonresidential ComplianceLTG-1

STATE OF CALIFORNIA
LINE-VOLTAGE TRACK LIGHTING WORKSHEET
CEC-NRCC-1.1 (0-6) (Revised 09/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting – Line-Voltage Track Lighting Worksheet


CALIFORNIA ENERGY COMMISSION
NRCC-LTI-05-E
(Page 1 of 2)

Project Name: Stanford

Date Received: 26-Mar-15

☐ 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 Luminaires 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)
		45			
		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)

CA Building Energy Efficiency Standards - 2013 Residential Compliance

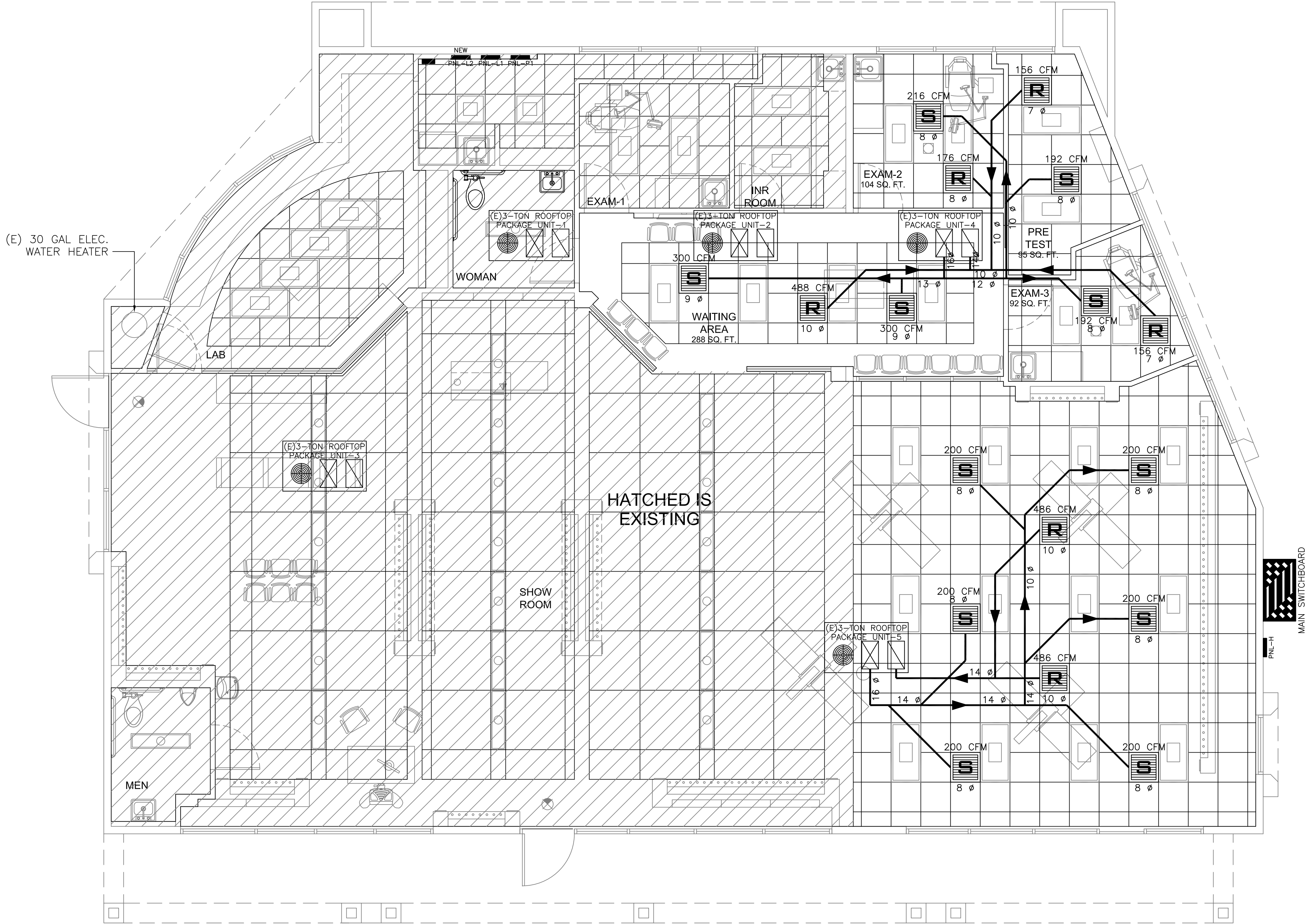
June 2014

STATE OF CALIFORNIA LIN-VOLTAGE TRACK LIGHTING WORKSHEET CEC-NRCC 1.1.0-6 (Revised 09/14) CERTIFICATE OF COMPLIANCE Indoor Lighting - Line Voltage Track Lighting Worksheet Project Name: Stanston	 CALIFORNIA ENERGY COMMISSION NRCC-LTV-05-E (Page 2 of 2)
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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Tailored Energy Services - Title 24 Ca	Documentation Author Signature: 
Company: Kevin Laughlin	Signature Date: 26-Mar-15
Address: www.TailoredEnergyOnline.com	CEA/ PEWS Certification Identification (if applicable):
City/State/Zip: ,	Phone: Kevin@TailoredEnergyOnl

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. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with 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:	Responsible Designer Signature:
Company: Gary Kerr Architect	Date Signed:
Address: 23917 Bennington Drive	License:
City/State/Zip: Valencia, CA 91354	Phone: 630 290 9823

LTG-2



PROPOSED MECHANICAL PLAN

SCALE: 1/4" = 1'

GENERAL NOTES

- ALL DUCT WORK TO BE INSTALLED INTO EXIST. UNITS. UNLESS OTHERWISE NOTED
- PATCH AND REUSE EXISTING PLENUMS
- INSTALL NEW DUCT AS INDICATED ON PLANS.
- SET MINIMUM OSA AS INDICATED ON PLANS.
- REUSE EXISTING THERMOSTATS.
- DUCT TO BE INSTALLED IS FLEX DUCT

HVAC SPECIFICATIONS

UNIT #	SPECIFICATIONS	COOLING
UNIT-4	EXISTING 3-TON	S/A = 1,200 CFM R/A =975 CFM OSA = 225 CFM
UNIT-5	EXISTING 3-TON	S/A = 1,200 CFM R/A =975 CFM OSA = 225 CFM

MECHANICAL NOTES

GENERAL NEW NOTES:

- PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY DESIGNER, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
- ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
- REFER TO DESIGNER/URAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON DESIGNER/URAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
- COORDINATE LOCATION OF ROOF MOUNTED HVAC EQUIPMENT AND ROOF PENETRATIONS WITH THE DESIGNER/URAL AND STRUCTURAL DRAWINGS.
- INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF (INSTALLED AND DELIVERED) DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS GOTTEN WET AT ANY TIME DURING CONSTRUCTION, DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST. AN INDEPENDENT, PROFESSIONAL DUCT CLEANING COMPANY SHALL VACUUM CLEAN ANY DUCTWORK CONNECTED TO HVAC UNITS THAT WERE OPERATED DURING THE CONSTRUCTION PERIOD AFTER NEW FILTERS ARE INSTALLED AND PRIOR TO TURNING SYSTEM OVER TO THE OWNER.
- INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
- OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING HOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF.
- COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
- SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
- COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
- ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
- LOCATE AND SET THERMOSTATS AND HUMIDISTAT AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 16.
- COORDINATE THE LOCATION AND ELEVATION OF WALL-MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE DESIGNER/URAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REMBURSED FOR RELOCATION OF WALL-MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
- PROVIDE A MANUAL BALANCING DAMPER IN EACH BRANCH DUCT TAKEOFF FROM MAIN SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS.
- BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
- DUCT SIZES SHOWN ON DRAWINGS ARE NET FREE AREA. CONTRACTOR MAY USE ROUND DUCTWORK OF EQUIVALENT FREE AREA IN LIEU OF RECTANGULAR. INCREASE RECTANGULAR SHEET METAL SIZE AS REQUIRED FOR LINER. REFER TO SPECIFICATIONS FOR INSULATION THICKNESS.
- PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING. AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.

MECHANICAL KEYNOTES

INDEX

- = H.V.A.C. UNIT
- = SUPPLY GRILL (24 X 24)
- = RETURN GRILL (24 X 24)
- = DIRECTION
- R/A = RETURN AIR
S/A = SUPPLY AIR
OA = OUTSIDE AIR

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www.streamlinedigitaldesign.com

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Email: leadstreamline@comcast.net

DESIGNERS SIGNATURE

JURISDICTION

BUILDING DEPARTMENT

NAME:
CITY OF VISALIA

ADDRESS:
315 E. ACEQUIA AVE.
VISALIA, CA 93291

PHONE:
559-713-4444

OWNER

BUILDING OWNER

NAME:
NEIL ANGELILLO
TRUE NORTH PROPERTIES

ADDRESS:
1155 W. SHAW #104
FRESNO, CA 93711

PHONE:
559-222-5768

TENANT

TENANT

NAME:
STANTON OPTICAL

ADDRESS:
3801 CONGRESS AVE.
PALM SPRINGS, FL 33461

PHONE:
561-275-2020

GEN. CONTRACTOR

CONTRACTOR

COMPANY:
T.B.D.

NAME:

LIC #:

ADDRESS:

PHONE:

MECHANICAL PLAN

CONSTRUCTION SITE

SITE ADDRESS:
3530 S. MOONEY BLVD.
VISALIA, CA 93277

SITE APN:
122-290-026-000

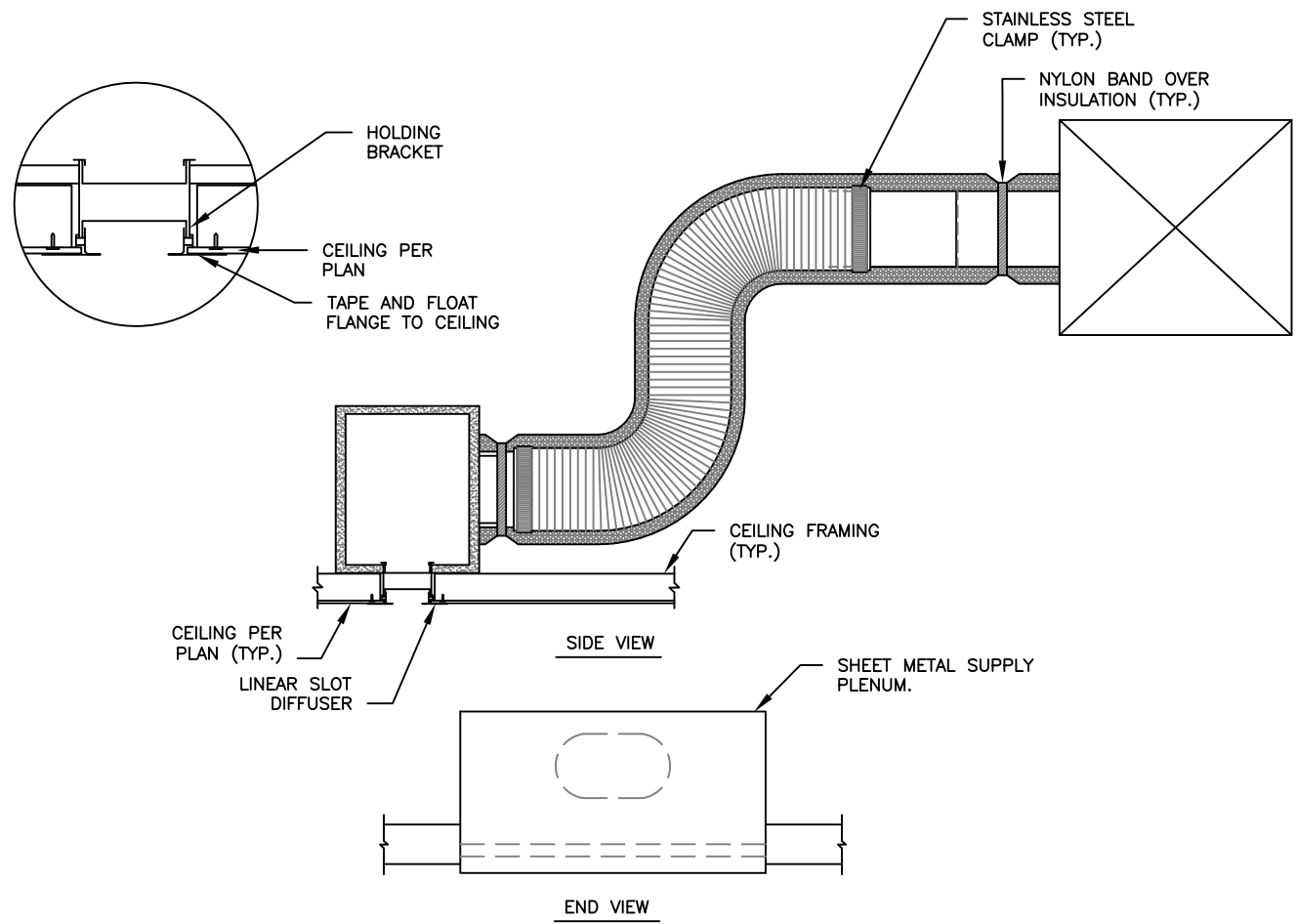
DRAWING INFORMATION

REVISION DATE
12-29-14

FILE NAME:
14-1010-STANTON-VISALIA

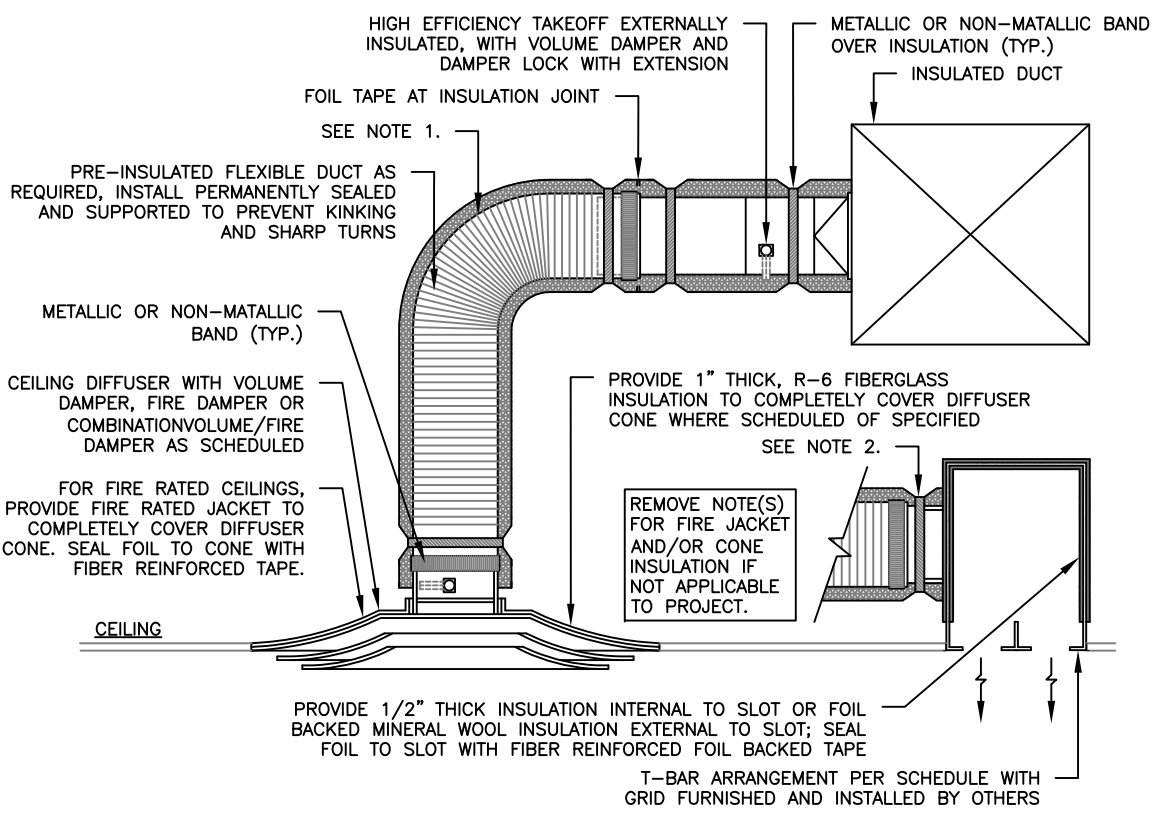
DRAWING SCALE:
1/4" = 1'

M1



LINIER RETURN SLOT DETAIL (CEILING)
SCALE N.T.S.

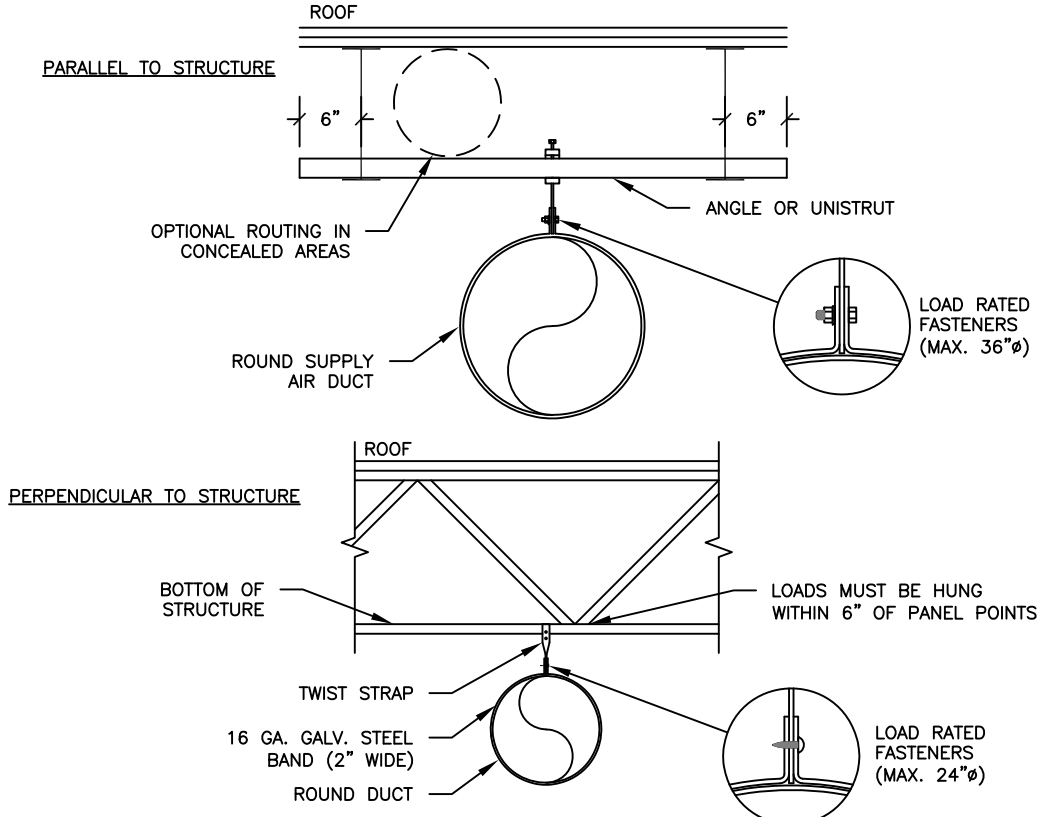
1



- NOTES:
1. EXTEND RIGID METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0\"/>
 2. PROVIDE RIGID ROUND-TO-OVAL TRANSITION WHEN PLENUM HAS OVAL CONNECTION.

LAY IN AND SLOT TYPE CEILING DIFFUSER
SCALE N.T.S.

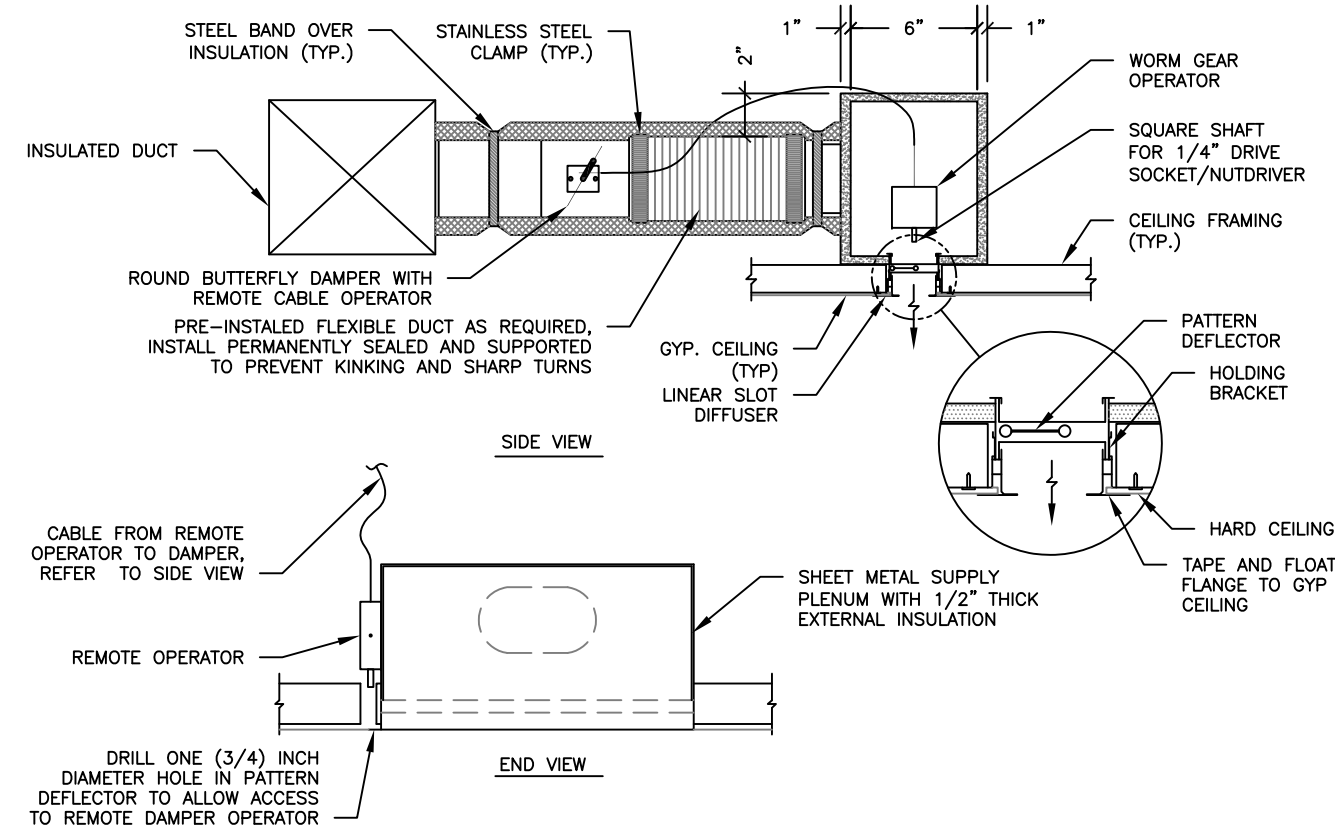
2



- NOTES:
1. FOR DUCTS LARGER THAN 36\"/>

ROUND DUCT SUPPORT DETAIL
SCALE N.T.S.

3



EXTEND HARD METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0\"/>

COORDINATE EXACT LENGTH AND LOCATION OF SLOT DIFFUSER WITH DESIGNER'S REFLECTED CEILING PLAN.

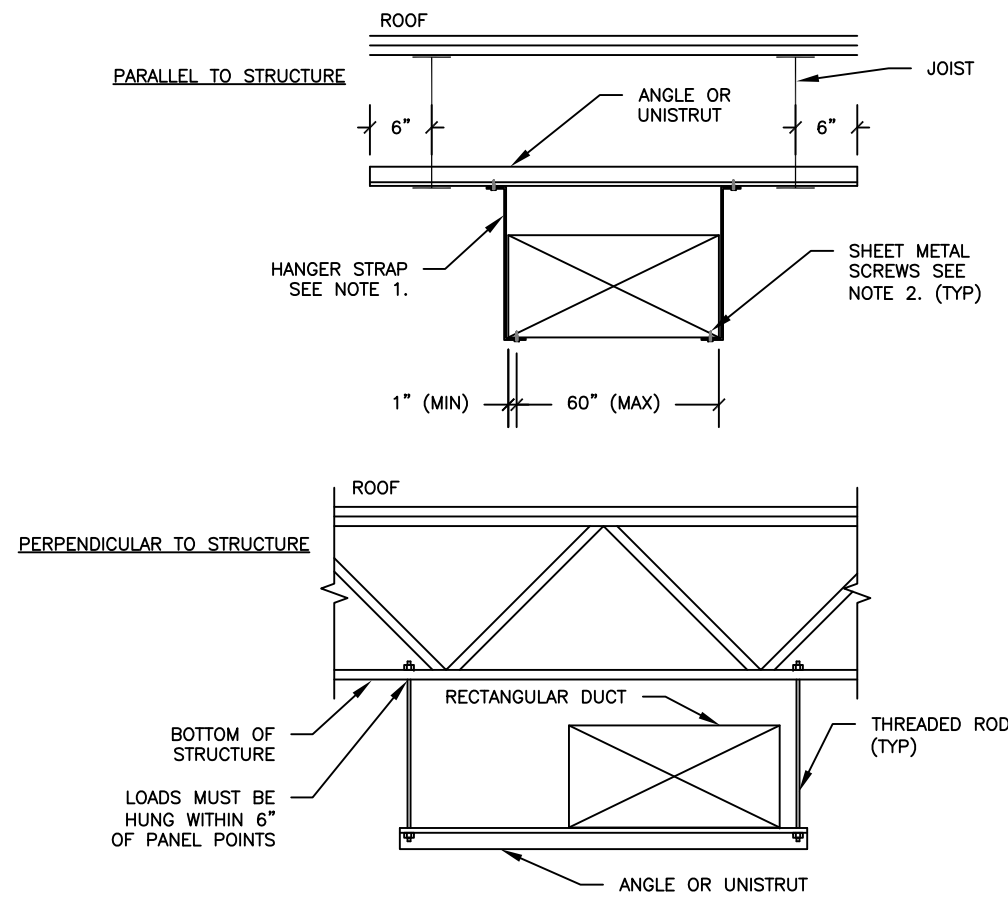
PORTIONS OF THE SLOT DIFFUSER NOT USED FOR SUPPLY SHALL REMAIN OPEN TO THE PLENUM FOR RETURN UNLESS NOTED OTHERWISE.

DAMPER OPERATOR ASSEMBLY SHALL BE #RT-250 MANUFACTURED BY METROPOLITAN AIR TECHNOLOGY (1-800-585-7886).

ALL FLEXIBLE DUCT OFFSETS SHALL MAINTAIN A RADIUS OF 1.5 TIMES THE DIAMETER AND SHALL BE A MINIMUM OF 3'-0\"/>

LINIER SLOT DIFFUSER DETAIL (CEILING)
SCALE N.T.S.

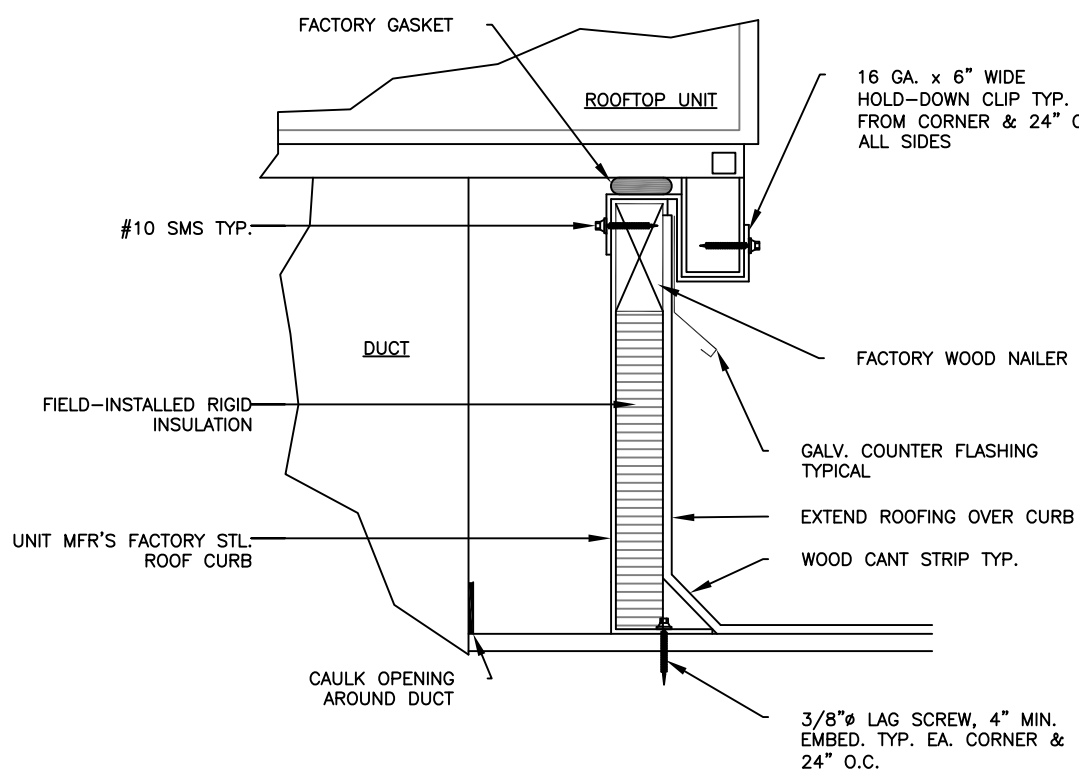
4



- NOTES:
1. USE THREADED ROD FOR ALL DUCTS LARGER THAN 60\"/>
 2. SHEET METAL SCREWS MAY BE OMITTED IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE DUCT.

RECTANGULAR DUCT SUPPORT DETAIL
SCALE N.T.S.

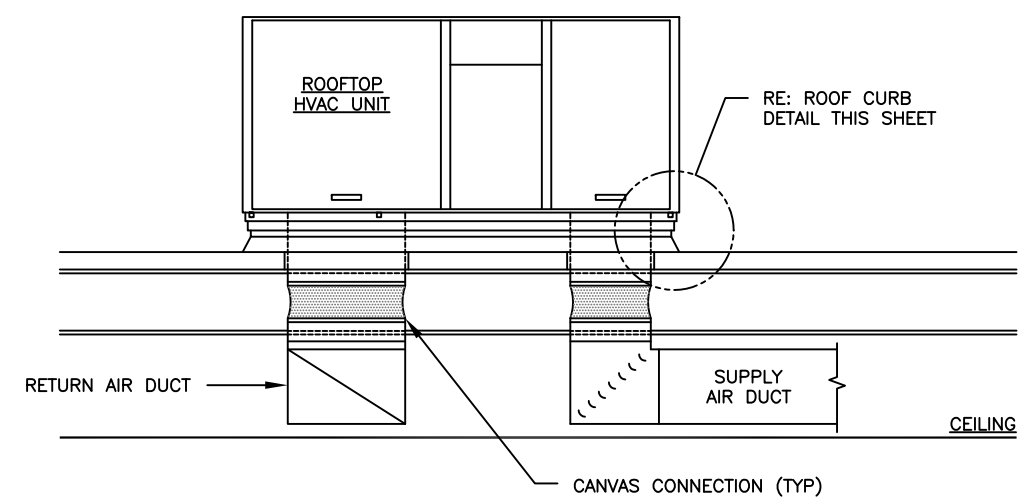
5



NOTE: ROOFTOP HVAC UNITS ARE EXISTING

ROOF CURB DETAIL
SCALE N.T.S.

6



- NOTES:
1. PROVIDE OPENING THROUGH ROOF AND ROOF DECK INSULATION NO LARGER THAN REQUIRED TO ALLOW DUCTS TO PASS THROUGH. REFER TO PLANS FOR DUCT SIZES. TRANSITION AS REQUIRED IN ROOF CURB TO RTU SUPPLY AN RETURN OPENINGS.
 2. PROVIDE SLOPED ROOF CURB TO INSTALL ROOFTOP UNIT LEVEL TO ENSURE PROPER DRAINAGE. COORDINATE ROOF SLOPE WITH DESIGNER. FLASH AND COUNTER FLASH ROOF PENETRATIONS, ETC. TO ENSURE WEATHER TIGHT INSTALLATION.

NOTE: ROOFTOP HVAC UNITS ARE EXISTING

ROOFTOP UNIT WITH DUCTWORK DETAIL
SCALE N.T.S.

7

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DESIGNERS SIGNATURE

JURISDICTION

BUILDING DEPARTMENT

NAME:
CITY OF VISALIA

ADDRESS:
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3801 CONGRESS AVE.
PALM SPRINGS, FL 33461

PHONE:
561-275-2020

GEN. CONTRACTOR

CONTRACTOR

COMPANY:
T.B.D.

NAME:

LIC #:

ADDRESS:

PHONE:

MECHANICAL DETAILS

CONSTRUCTION SITE

SITE ADDRESS:
3530 S. MOONEY BLVD.
VISALIA, CA 93277

SITE APN:
122-290-026-000

DRAWING INFORMATION

REVISION DATE
12-29-14

FILE NAME:
14-1010-STANTON-VISALIA

DRAWING SCALE:
N.T.S.

M2

June 2014

California Building Energy Efficiency Standards – 2013 Nonresidential Compliance

STATE OF CALIFORNIA

**MECHANICAL SYSTEMS
CERTIFICATE OF COMPLIANCE**

CALIFORNIA ENERGY COMMISSION

NREC-MCH-O1-E
(Page 2 of 3)

Project Name: Station

Form Prepared: 26-Mar-15

Mechanical HVAC Acceptance Forms (check box for required form)

This form is to be used by the designer and installed as shown. Listed below are all acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.

Installing Contractor:

The contractor who installed the equipment is responsible to either conduct the acceptance test them self or have a qualified entity run the test for them. If more than one person has performed the testing, each person shall sign and submit the certificate of acceptance appropriate to the portion of the construction or installation for which they are responsible. The following tests require a

Refrigerant Agency:

Note: - The NREC-MCH-O1-E form is not considered a completed form and it must be accepted by the building department unless the correct boxes are checked.

Inspector - After occupancy permit is granted off-gas installed process system must be tested to ensure proper operation.

Test Description	MCH-13A Air Quality Diagnoses for DX Units	MCH-13B Temperature Reset Controls	MCH-13C Thermostat Storage (TES) Systems	MCH-13D Temperature Reset Controls	MCH-13E CO ₂ s
Fuel Burning Testing or Verification	☐	☐	☐	☐	☐
(5) York Package 5	☐	☐	☐	☐	☐

STATE OF CALIFORNIA CERTIFICATE OF COMPLIANCE CIRC-NRCC-MCH-02-E (Revised 06/14)	HVAC SYSTEM REQUIREMENTS CALIFORNIA ENERGY COMMISSION	 NRCC-MCH-02-E (Page 1 of 3)
CERTIFICATE OF COMPLIANCE HVAC Dry System Requirements		Date Issued: 26-Mar-15
Project Name: Starline		

Equipment Tag and System Description ¹	hVAC	Reference to the Requirements in the Contract Documents ²
MANDATORY REQUIREMENTS		
Heating Equipment Efficiency ³	110.1 or 110.2(a)	
Cooling Equipment Efficiency ³	110.1 or 110.2(a)	
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)	
Furnace Standby Loss Control	110.2(d)	
Low Leakage AHUs	110.2(e)	
Ventilation ⁴	120.1(b)	
Demand Control Ventilation ⁵	120.1(c)(4)	
Occupant Sensor Ventilation Control ⁶	120.1(c)(5), 120.2(e)(3)	
Shutoff and Reset Controls ⁷	120.2(e)	
Outdoor Air and Exhaust Damper Control	120.2(f)	
Isolation Zones	120.2(g)	
Automatic Demand Shed Controls	120.2(h)	
Economizer FDD	120.2(i)	
Duct Insulation	120.4	
PRESCRIPTIVE REQUIREMENTS		
Equipment is sized in conformance with 140.4 (s & b)	140.4(e & b)	y
Supply Fan Pressure Control	140.4(c)	
Simultaneous Heat/Cool ⁸	140.4(d)	
Economizer	140.4(e)	
Heat and Cool Air Supply Reset	140.4(f)	
Electric Resistance Heating ⁹	140.4(g)	
Duct Leakage Sealing and Testing ¹⁰	140.4(h)	

Notes:

1. Provide equipment tags (e.g., AHU 1 to 10) and system description (e.g., Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.
2. Provide references to plans (i.e., Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
3. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g., full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601.1 et seq.
4. Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more space is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E form.
5. If one or more space has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.
6. If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation
7. If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).
8. Identify where the heating, cooling and demand airflow curves are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E form.
9. Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.
10. If duct leakage sealing and testing is required, a MCH-04-A form must be submitted.

[illegible]

STATE OF CALIFORNIA REQUIRED ACCEPTANCE TESTS (SEE MCH-MCH-04-E (1 of 2) and MCH-MCH-05-E (1 of 2) for details) REQUIRED ACCEPTANCE TESTS	CALIFORNIA ENERGY COMMISSION MECHANICAL COMPLIANCE TESTS (Page 1 of 3)
Project Name: Shannon	Date Prepared: 26-MAR-15

MECHANICAL COMPLIANCE TESTS & WORKSHEETS (Indicate if worksheet is included)		
<i>For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated into the building plans. Forms MCH-MCH-04-E and MCH-MCH-05-E are alternative forms to MCH-MCH-01-E, MCH-MCH-02-E and MCH-MCH-03-E for projects using only single zone packaged HVAC systems.</i>		
YES	Form	Title
✓	MCH-MCH-04-E (1 of 2)	Certification of Compliance Required for plans when used
✓	MCH-MCH-04-E (2 of 2)	Certification of Compliance Form, signed and sealed by a submittal
✓	MCH-MCH-05-E (1 of 2)	HVAC Equipment Requirements. It is required on plans when used
	MCH-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

 STREAMLINE DIGITAL DESIGN Or visit us at: www.streamlinedigitaldesign.com Phone / Fax: (209) 951-4527 E-Mail: kse4streamline@comcast.net DESIGNERS SIGNATURE	
JURISDICTION	BUILDING DEPARTMENT
	NAME: CITY OF VISALIA ADDRESS: 315 E. ACEQUIA AVE. VISALIA, CA 93291 PHONE: 559-713-4444
OWNER	BUILDING OWNER
	NAME: NEIL ANGELILLO TRUE NORTH PROPERTIES ADDRESS: 1155 W. SHAW #104 FRESNO, CA 93711 PHONE: 559-222-5768
TENANT	TENANT
	NAME: STANTON OPTICAL ADDRESS: 3801 CONGRESS AVE. PALM SPRINGS, FL 33461 PHONE: 561-275-2020
GEN. CONTRACTOR	CONTRACTOR
	COMPANY: T.B.D. NAME: LIC #: ADDRESS: PHONE:
TITLE-24	CONSTRUCTION SITE
	SITE ADDRESS: 3530 S. MOONEY BLVD. VISALIA, CA 93277 SITE APN: 122-290-026-000 DRAWING INFORMATION REVISION DATE 12-29-14 FILE NAME: 14-1010-STANTON-VISALIA DRAWING SCALE: N/A
M3	

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
CERTIFICATE OF COMPLIANCE
REGULATORY DIVISION

ACCEPTANCE TESTS

CALIFORNIA ENERGY COMMISSION
NRC-MCH-04-E

Required Certificate Tests:

Insulation Startups

Site Inspected: 26-Mar-15

(Page 7 of 9)

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of units. The MA number designated the Section in the Appendixes of the Nonresidential Reference Appendices Manual that describes the test.

Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

Systems Acceptance. Before occupancy permits is granted for a newly constructed building or space, or a new space conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirement for Code Compliance.

Systems Acceptance. Before occupancy permits is granted, All newly installed HVAC equipment must be tested using the Acceptance Requirements.

The NRC-MCH-04-E Form is considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing test, test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance forms shall be submitted to the building department for review. This information is to be included in the project file. In addition, a certificate of Acceptance forms shall be submitted to the building department for review. The information provided on this form shall be used to determine if the equipment meets the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy permit.

Test Description	MCH-04-A	MCH-04-B	MCH-04-C	MCH-04-D	MCH-04-E	MCH-04-F	MCH-04-G	MCH-04-H	MCH-04-I	MCH-04-J	MCH-04-K	MCH-04-L	MCH-04-M	MCH-04-N	MCH-04-O	MCH-04-P	MCH-04-Q	MCH-04-R	MCH-04-S	MCH-04-T	MCH-04-U	MCH-04-V	MCH-04-W	MCH-04-X	MCH-04-Y	MCH-04-Z	MCH-04-AA	MCH-04-AB	MCH-04-AC	MCH-04-AD	MCH-04-AE	MCH-04-AF	MCH-04-AG	MCH-04-AH	MCH-04-AI	MCH-04-AJ	MCH-04-AM	MCH-04-AN	MCH-04-AO	MCH-04-AP	MCH-04-AQ	MCH-04-AR	MCH-04-AS	MCH-04-AT	MCH-04-AU	MCH-04-AV	MCH-04-AW	MCH-04-AX	MCH-04-AY	MCH-04-AZ	MCH-04-BA	MCH-04-BB	MCH-04-BC	MCH-04-BD	MCH-04-BE	MCH-04-BF	MCH-04-BG	MCH-04-BH	MCH-04-BI	MCH-04-BJ	MCH-04-BK	MCH-04-BL	MCH-04-BM	MCH-04-BN	MCH-04-BO	MCH-04-BP	MCH-04-BQ	MCH-04-BR	MCH-04-BS	MCH-04-BT	MCH-04-BU	MCH-04-BV	MCH-04-BW	MCH-04-BX	MCH-04-BY	MCH-04-BZ	MCH-04-CA	MCH-04-CB	MCH-04-CC	MCH-04-CD	MCH-04-CE	MCH-04-CF	MCH-04-CG	MCH-04-CH	MCH-04-CI	MCH-04-CJ	MCH-04-CK	MCH-04-CL	MCH-04-CM	MCH-04-CN	MCH-04-CO	MCH-04-CP	MCH-04-CQ	MCH-04-CR	MCH-04-CS	MCH-04-CT	MCH-04-CU	MCH-04-CV	MCH-04-CW	MCH-04-CX	MCH-04-CY	MCH-04-CZ	MCH-04-DA	MCH-04-DB	MCH-04-DC	MCH-04-DD	MCH-04-DE	MCH-04-DF	MCH-04-DG	MCH-04-DH	MCH-04-DI	MCH-04-DJ	MCH-04-DK	MCH-04-DL	MCH-04-DM	MCH-04-DN	MCH-04-DO	MCH-04-DP	MCH-04-DQ	MCH-04-DR	MCH-04-DS	MCH-04-DT	MCH-04-DU	MCH-04-DV	MCH-04-DW	MCH-04-DX	MCH-04-DY	MCH-04-DZ	MCH-04-EA	MCH-04-EB	MCH-04-EC	MCH-04-ED	MCH-04-EE	MCH-04-EF	MCH-04-EG	MCH-04-EH	MCH-04-EI	MCH-04-EJ	MCH-04-EK	MCH-04-EL	MCH-04-EM	MCH-04-EN	MCH-04-EO	MCH-04-EP	MCH-04-EQ	MCH-04-ER	MCH-04-ES	MCH-04-ET	MCH-04-EU	MCH-04-EV	MCH-04-EW	MCH-04-EX	MCH-04-EY	MCH-04-EZ	MCH-04-FA	MCH-04-FB	MCH-04-FC	MCH-04-FD	MCH-04-FE	MCH-04-FF	MCH-04-FG	MCH-04-FH	MCH-04-FI	MCH-04-FJ	MCH-04-FK	MCH-04-FL	MCH-04-FM	MCH-04-FN	MCH-04-FO	MCH-04-FP	MCH-04-FQ	MCH-04-FR	MCH-04-FS	MCH-04-FT	MCH-04-FU	MCH-04-FV	MCH-04-FW	MCH-04-FX	MCH-04-FY	MCH-04-FZ	MCH-04-GA	MCH-04-GB	MCH-04-GC	MCH-04-GD	MCH-04-GE	MCH-04-GF	MCH-04-GG	MCH-04-GH	MCH-04-GI	MCH-04-GJ	MCH-04-GK	MCH-04-GL	MCH-04-GM	MCH-04-GN	MCH-04-GO	MCH-04-GP	MCH-04-GQ	MCH-04-GR	MCH-04-GS	MCH-04-GT	MCH-04-GU	MCH-04-GV	MCH-04-GW	MCH-04-GX	MCH-04-GY	MCH-04-GZ	MCH-04-HA	MCH-04-HB	MCH-04-HC	MCH-04-HD	MCH-04-HE	MCH-04-HF	MCH-04-HG	MCH-04-HH	MCH-04-HI	MCH-04-HJ	MCH-04-HK	MCH-04-HL	MCH-04-HM	MCH-04-HN	MCH-04-HO	MCH-04-HP	MCH-04-HQ	MCH-04-HR	MCH-04-HS	MCH-04-HT	MCH-04-HU	MCH-04-HV	MCH-04-HW	MCH-04-HX	MCH-04-HY	MCH-04-HZ	MCH-04-IA	MCH-04-IB	MCH-04-IC	MCH-04-ID	MCH-04-IE	MCH-04-IF	MCH-04-IG	MCH-04-IH	MCH-04-II	MCH-04-IJ	MCH-04-IK	MCH-04-IL	MCH-04-IM	MCH-04-IN	MCH-04-IO	MCH-04-IP	MCH-04-IQ	MCH-04-IR	MCH-04-IS	MCH-04-IT	MCH-04-IU	MCH-04-IV	MCH-04-IW	MCH-04-IX	MCH-04-IY	MCH-04-IZ	MCH-04-JA	MCH-04-JB	MCH-04-JC	MCH-04-JD	MCH-04-JE	MCH-04-JF	MCH-04-JG	MCH-04-JH	MCH-04-JI	MCH-04-JJ	MCH-04-JK	MCH-04-JL	MCH-04-JM	MCH-04-JN	MCH-04-JO	MCH-04-JP	MCH-04-JQ	MCH-04-JR	MCH-04-JS	MCH-04-JT	MCH-04-JU	MCH-04-JV	MCH-04-JW	MCH-04-JX	MCH-04-JY	MCH-04-JZ	MCH-04-KA	MCH-04-KB	MCH-04-KC	MCH-04-KD	MCH-04-KE	MCH-04-KF	MCH-04-KG	MCH-04-KH	MCH-04-KI	MCH-04-KJ
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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance



REQUIRED ACCEPTANCE TESTS
 CERTIFICATE OF COMPLIANCE
 CEC-900-001-001 (Revised 06/14)
 (Page 5 of 5)

CALIFORNIA ENERGY COMMISSION
INNOVATION & E
Page 5 of 5

Project Name: Stanton

Date Prepared: 26-Mar-15

Signature: 

Organization Name	Organization Address	Organization City/State/Zip	Organization Phone
Stanton Energy Services	1100 24th Avenue	Stanton, CA 95759	209-943-1100

Project Name: Stanton

Date Prepared: 26-Mar-15

Signature: 

Project Name: Stanton

Date Prepared: 26-Mar-15

Signature: 

Project Name: Stanton

Date Prepared: 26-Mar-15

Signature: 

Project Name: Stanton

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Project Name: Stanton

Date Prepared: 26-Mar-15

Signature: 

Project Name: Stanton

Date Prepared: 26-Mar-15

Signature: 

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

TITLE-24	CONSTRUCTION SITE
	SITE ADDRESS: 3530 S. MOONEY BLVD. VISALIA, CA 93277
	SITE APN: 122-290-026-000
	DRAWING INFORMATION
	REVISION DATE 12-29-14
	FILE NAME: 14-1010-STANTON-VISALIA
	DRAWING SCALE: N/A

GEN. CONTRACTOR	CONTRACTOR
	<u>COMPANY:</u>
	<u>T.B.D.</u>
	<u>NAME:</u>
	<u>LIC #:</u>
	<u>ADDRESS:</u>
	<u>PHONE:</u>

OWNER	NAME:
	NEIL ANGELILLO TRUE NORTH PROPERTIES
	ADDRESS:
	1155 W. SHAW #104 FRESNO, CA 93711
	PHONE:
	559-222-5768

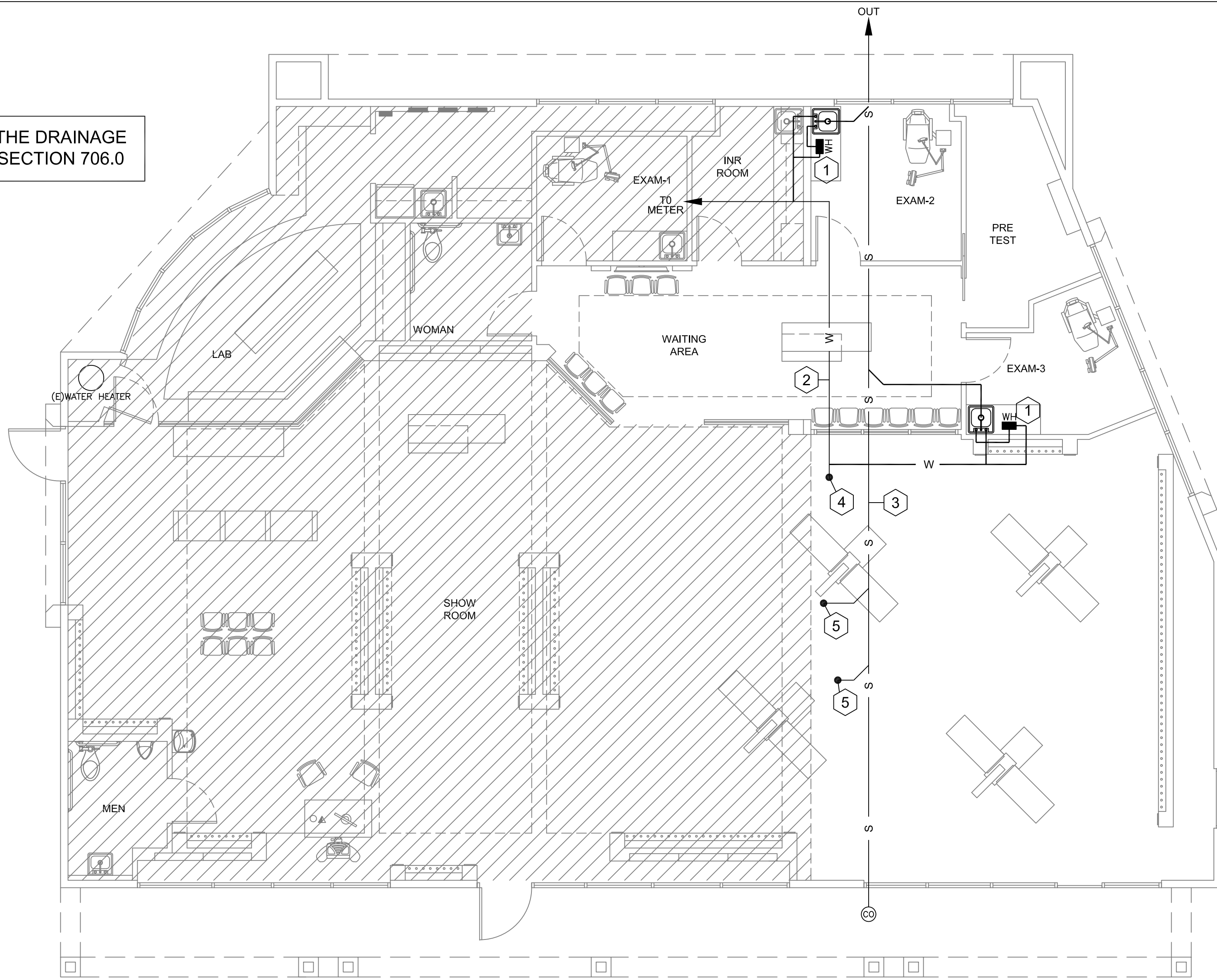
JURISDICTION	BUILDING DEPARTMENT
	NAME:
	CITY OF VISALIA
	ADDRESS:
	315 E. ACEQUIA AVE. VISALIA, CA 93291
PHONE:	
	559-713-4444

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E-Mail: lee@streamline.com

DESIGNERS' SIGNATURE



SCALE: 3/16" = 1'

[illegible]

1. UNIONS: UNIONS ON FERROUS PIPE SHALL BE GROUND JUNT WITH BRASS TO IRON SITES AND UNIONS ON COPPER PIPING SHALL BE CAST BRONZE WITH SWEATS END.	SURFACE (COMPOSITION: DISC, RENEWABLE RING-SEAL) VALVES SHALL BE RISING STEM TYPE, BRONZE SCREWED END FOR FERROUS PIPING AND SOLDER END FOR COPPER PIPING (RATED FOR 125 PSI SWP).	MESH 125 PSI SWP MINIMUM.
2. DIELECTRIC UNIONS: UNIONS RATE MATERIALS SHALL BE CONNECTED WITH DIELECTRIC PIPE FITTINGS/DISSIMILAR RATE AT 250 PSI @ 180F AND ARE DESIGNED TO MEET THE REQUIREMENTS OF ANSI B16.39, INCLUDING HYDROSTATIC STRENGTH, TENSILE STRENGTH, AND PRESSURE. DIELECTRIC PIPE FITTINGS AND UNIONS SHALL BE MATTS 3000 SERIES OR APPROVED EQUIV. BY CAST, ROCKWOOD, OR WALWORTH.	5. BALL VALVES: BALL VALVES SHALL BE EQUIPPED WITH TWO-PIECE BODY, CONVENTIONAL PART, BRONZE TRIM, THE SEAT RINGS, AND BLOWOUT PROOF STEM. BALL VALVES SHALL BE RATED AT 125 SWP/4000WG AND MEET FEDERAL SPECIFICATIONS: WW-V-35, TYPE II, CLASS A, STYLE S.	8. PRESSURE GAUGES: GAUGES SHALL BE 4" DIA., MICRO ADJUSTABLE POINTER, SWEATED RING, FIBERGLASS REINFORCED POLYPROPYLENE CASE, PLEXIGLASS WINDOW, SLOW FRONT, BLOWBACK BALL AND SHALL BE DESIGNED SO THE GAUGE CAN BE LIQUID FILLED IN THE FIELD BY ADDITION OF 1/2" OF LIQUID IN VIBRATION.
3. GATE VALVES: GATE VALVES SHALL BE BRONZE, RISING STEM TYPE, SCREWED END FOR FERROUS PIPING AND SOLDER END FOR COPPER PIPING, RATED FOR 125 PSI SWP.	6. CHECK VALVES: SWING CHECK VALVES SHALL HAVE 45DEGREE SEATING ANGLE, DISC SEAT AND RENEWABLE RING-SEAL. BALL VALVES SHALL BE BRONZE, SCREWED END FOR FERROUS PIPING AND SOLDER END FOR COPPER PIPING.	ACCURACY 1% FULL SCALE, 0-200 PSI FOR DOMESTIC WATER SERVICE, TRICER #450 OR APPROVED EQUIV. BY ASHROFT OR PALMER. EACH GAUGE SHALL BE PROVIDED WITH TREX 3" X 73.25" NEEDLE VALVE COCK, 885-1 SPHON, 87-2 SNUBBER.
		9. NO EXPOSED BARS (PLASTIC PIPING WITH FLAME SPREAD RATING OF 75 OR MORE)

- 1 - NEW POINT OF USE WATER HEATER. SEE SPECIFICATIONS DETAIL-4 ON SHEET-A9
- 2 - EXISTING WATER MAIN IS APPROXIMATE. (CONTRACTOR TO FIELD LOCATE)
- 3 - EXISTING SEWER MAIN IS APPROXIMATE. (CONTRACTOR TO FIELD LOCATE)
- 4 - CAP EXISTING WATER MAIN.
- 5 - CAP EXISTING SEWER MAIN.

1. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE OTHERWISE CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE DESIGNER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE DESIGNER REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS.
3. PROVIDE TO THE DESIGNER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS.
4. INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
5. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
6. VERIFY LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION.
7. REFER TO DESIGNER/URAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
8. DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
9. INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE. INSTALL EXPOSED PIPING TIGHT TO THE STRUCTURE, WALL OR CEILING, AND AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID INTERFERENCE.
10. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
11. PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED BEING, WHEN NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
12. COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
13. COORDINATE PIPING INSTALLATION WITH STRUCTURAL, GRADE BEAMS, FOOTINGS, COLUMN PIERES, ETC. AS REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVES INSTALLATIONS WITH THE DESIGNER, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
14. CLEAN FAUCET AERATORS AND PIPE STAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
15. PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
16. COORDINATE PIPING ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
17. PAINT ALL EXPOSED GAS PIPING USING RUST INHIBITOR PIPING. PAINT AND COLOR SHALL BE COORDINATED WITH THE DESIGNER AND/OR OWNER.
18. COORDINATE ALL ROOF PENETRATIONS WITH OTHERS. MAINTAIN 10" MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2" CLEARANCE FROM ALL OTHER EQUIPMENT.
19. INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZE.
20. PROVIDE SHIELDED ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON AT SLAB ON GRADE. SEE SPECIFICATION SECTION 15400 FOR MORE INFORMATION.
21. FLOW CONTROL VALVES SHALL BE SIZE 1/2" AND SET AT 0.5 GPM UNLESS NOTED OTHERWISE.
22. VALVE HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.
23. PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUT-OFF VALVES.
24. CORROSION PROTECTION / WRAPPING IS REQUIRED ON ALL UNDER SLAB OR UNDER GROUND PIPING, UNDER SLAB PIPING, UNDER PIPES, BUILDING SEWERS, FLOOR SINKS, FLOOR DRAINS, TRAP PRIMERS, WASTE DRAINS, AND OTHER FERROUS PIPING, INCLUDING ALL ZINC ANODES, COUPLERS AND FITTINGS. CORROSION PROTECTION / WRAPPING IS REQUIRED ON COPPER WATER PIPING. CORROSION PROTECTION SHALL BE INSPECTED AND APPROVED BY THE BUILDING INSPECTOR BEFORE COVERING.
25. RELIEF VALVES LOCATED INSIDE A BUILDING SHALL BE PROVIDED WITH A DRAIN OF GALVANIZED STEEL OR COPPER. RELIEF VALVES IN PVC OR LISTED VALVE DRAIN, THE DRAIN SHALL EXTEND FROM THE VALVE TO THE OUTSIDE OF THE BUILDING WITH THE END OF THE PIPE NOT MORE THAN 2 FEET NOR LESS THAN 6 INCHES ABOVE THE GROUND AND POINTING DOWNWARD. (2013 CPC, SECTION 608.5)
26. GAS UTILIZATION EQUIPMENT CONNECTED TO A PIPING SYSTEM SHALL HAVE AN ACCESSIBLE REMOVED MANUAL SHUT OFF VALVE. A NON-DISPLACABLE VALVE MEMBER, OR A LISTED GAS CONVENIENCE OUTLET INSTALLED WITHIN 6' OF THE EQUIPMENT IT SERVES. SHUT OFF VALVES AND REMOVED MANUAL SHUT OFF VALVES ARE REQUIRED FOR PLUMBING OVERS THE WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED A CONTROL. (CPC SECTION 413.1)
29. CHANGE IN DIRECTION OF THE DRAINAGE FLOW SHALL COMPLY WITH CPC SECTION 706.0

_____ E _____	= (P) ELECTRIC LINE (BURIED)
_____ W _____	= (P) COLD WATER PIPE (TYPE-L COPPER)
_____ HW _____	= (P) HOT WATER PIPE (TYPE-L COPPER)
_____ G _____	= (P) GAS LINE (SCHEDULE 40 METALLIC PIPE)
_____ S _____	= (P) (ABS/PVC) SEWER DRAIN PIPE
_____ GR _____	= (P) (CAST IRON) GREASE DRAIN PIPE
_____ AR _____	= (P) (PVC) DRAIN PIPE (ACID RESISTANT)
_____ E _____	= (E) ELECTRIC LINE (BURIED)
_____ W _____	= (E) COLD WATER PIPE (TYPE-L COPPER)
_____ HW _____	= (E) HOT WATER PIPE (TYPE-L COPPER)
_____ G _____	= (E) GAS LINE (SCHEDULE 40 METALLIC PIPE)
_____ S _____	= (E) (ABS/PVC) SEWER DRAIN PIPE
_____ GR _____	= (E) (CAST IRON) GREASE DRAIN PIPE
_____ AR _____	= (E) (PVC) DRAIN PIPE (ACID RESISTANT)

TOTAL OCCUPANT LOAD = 3,778 SQ. FT. / 200 (CPC 4-1) = 19

GENDER	COUNT	W.C. REQ'D	W.C. PROV'D	UR. REQ'D	UR. PROV'D	LAV. REQ'D	LAV. PROV'D	D.F. REQ'D	D.F. PROV'D
MALE	10	1	1	0	1	1	1	1	1
FEMALE	10	1	1	N/A	N/A	1	1		

Phone / Fax: (209) 951-4527
E-Mail: leedstreamline@comcast.net
Or visit us at:
www.streamlinedigitaldesign.com

DESIGNERS SIGNATURE

OWNER	BUILDING OWNER
	NAME: NEIL ANGELILLO TRUE NORTH PROPERTIES
	ADDRESS: 1155 W. SHAW #104 FRESNO, CA 93711
	PHONE: 559-222-5768

TENANT	TENANT
	NAME: STANTON OPTICAL
	ADDRESS: 3801 CONGRESS AVE. PALM SPRINGS, FL 3346
	PHONE: 561-275-2020

CONTRACTOR	CONTRACTOR
	<u>COMPANY:</u>
	T.B.D.
	<u>NAME:</u>
	<u>LIC #:</u>
	<u>ADDRESS:</u>
	<u>PHONE:</u>

PLUMBING PLAN	CONSTRUCTION SITE
	<u>SITE ADDRESS:</u> 3530 S. MOONEY BLVD. VISALIA, CA 93277
	<u>SITE APN:</u> 122-290-026-000
	DRAWING INFORMATION
	<u>REVISION DATE</u> 12-29-14
	<u>FILE NAME:</u> 14-1010-STANTON-VISALIA
	<u>DRAWING SCALE:</u> 3/16" = 1'

P 1



PLUMBING FIXTURE SCHEDULE					
ITEM NO.	DESCRIPTION	WSFU	QNTY	TOTAL WSFU	PLUMBING
1	HAND SINK (CS)	3.0	2	6.0	3" DRAIN, 3/4" SUPPLY
2	WATER HEATER #1 (WH)	5.0	2	10.0	3/4" WATER, 3/4" GAS
			TOTAL	16.0	

WATER SUPPLY SCHEDULE
SCALE: N.T.S.

JURISDICTION	BUILDING DEPARTMENT
	<u>NAME:</u> CITY OF VISALIA
	<u>ADDRESS:</u> 315 E. ACEQUIA AVE. VISALIA, CA 93291
	<u>PHONE:</u> 559-713-4444

OWNER	BUILDING OWNER
	NAME: NEIL ANGELILLO TRUE NORTH PROPERTIES
	ADDRESS: 1155 W. SHAW #104 FRESNO, CA 93711
	PHONE: 559-222-5768

TENANT	TENANT
	NAME: STANTON OPTICAL
	ADDRESS: 3801 CONGRESS AVE. PALM SPRINGS, FL 33461
	PHONE: 561-275-2020

CONTRACTOR	CONTRACTOR
	COMPANY: T.B.D.
	NAME:
	LIC #:
	ADDRESS:
	PHONE:

PIPE SCHEDULE	CONSTRUCTION SITE
	SITE ADDRESS; 3530 S. MOONEY BLVD. VISALIA, CA 93277
	SITE APN; 122-290-026-000
	DRAWING INFORMATION
	REVISION DATE 12-29-14
	FILE NAME; 14-1010-STANTON-VISALIA
	DRAWING SCALE; N.T.S.

2013 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1

INSPECTOR SIGNOFF	CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL 301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. 301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work. A code section will be designated by a banner to indicate where the code section only applies to newly constructed building [N] or to additions and alterations [AA]. When the code section applies to both, no banner will be used. SECTION 302 MIXED OCCUPANCY BUILDINGS 302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy. ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development BSC California Building Standards Commission DSA-SS Division of the State Designer, Structural Safety OSHDP Office of Statewide Health Planning and Development LR Low Rise HR High Rise AA Additions and Alterations N New CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES DIVISION 5.1 PLANNING AND DESIGN SECTION 5.101 GENERAL 5.101.1 Scope The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties. SECTION 5.102 DEFINITIONS 5.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire. LOW-EMITTING AND FUEL EFFICIENT VEHICLES. Eligible vehicles are limited to the following: 1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT PZEV) or CNG fueled (original equipment manufacturer only), regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962. 2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles. NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.1500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards. TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors. VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing. Note: Source: Vehicle Code, Division 1, Section 688 ZEV. Any vehicle certified to zero-emission standards. SECTION 5.106 SITE DEVELOPMENT 5.106.1 STORM WATER POLLUTION PREVENTION. Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures: 5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance. 5.106.1.2 Best Management Practices (BMP). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good PNL-H-keeping BMP. 1. Soil loss BMP that should be considered for each project include, but are not limited to, the following: a. Scheduling construction activity. b. Preservation of natural features, vegetation and soil. c. Drainage swales or lined ditches to control stormwater flow. d. Mulching or hydroseeding to stabilize disturbed soils. e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts). g. Perimeter sediment control (perimeter silt fence, fiber rolls). h. Sediment trap or sediment basin to retain sediment on site. i. Stabilized construction exits. j. Wind erosion control. k. Other soil loss BMP acceptable to the enforcing agency. 2. Good PNL-H-keeping BMP to manage construction equipment, materials and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Material handling and waste management. b. Building materials stockpile management. c. Management of washout areas (concrete, paints, stucco, etc.). d. Control of vehicle/equipment fueling to contractor's staging area. e. Vehicle and equipment cleaning performed off site. f. Spill prevention and control. g. Other PNL-H-keeping BMP acceptable to the enforcing agency. 5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Designer pursuant to Section 105, comply with Section 5.106.4.2 5.106.4.1 Bicycle parking. [BSC] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter. 5.106.4.1.1 Short-term bicycle parking. [BSC] If the project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitor's entrance, readily visible to passers-by, for 5% of new motorized bicycle parking spaces being added, with a minimum of one two-bike capacity rack. Exception: Additions or alterations which add nine or less visitor vehicular parking spaces. 5.106.4.1.2 Long-term bicycle parking. For new buildings with over 10 tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and shall meet one of the following: 1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers. Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.
EXISTING	N/A

INSPECTOR SIGNOFF	5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2 5.106.4.2.1 Short-term bicycle parking. Provide permanently anchored bicycle racks within 200 feet of the student entrance, readily visible to passers-by, for 5 percent of the student population based on the total occupant load of the campus, with a minimum of one two-bike capacity rack. 5.106.4.2.2 Long-term bicycle parking. Provide secure bicycle parking for 5% of employees, based on the total number of motorized vehicle parking capacity in the staff parking lot, with a minimum of one space. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following: 1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers. 5.106.5.2 DESIGNATED PARKING. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows: <table><tr><th colspan="2">TABLE 5.106.5.2 – PARKING</th></tr><tr><th>TOTAL NUMBER OF PARKING SPACES</th><th>NUMBER OF REQUIRED SPACES</th></tr><tr><td>0–9</td><td>0</td></tr><tr><td>10–25</td><td>1</td></tr><tr><td>25–50</td><td>3</td></tr><tr><td>51–75</td><td>6</td></tr><tr><td>76–100</td><td>8</td></tr><tr><td>101–150</td><td>11</td></tr><tr><td>151–200</td><td>16</td></tr><tr><td>201 AND OVER</td><td>AT LEAST 8% OF TOTAL</td></tr></table> 5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces. 5.106.8 LIGHT POLLUTION REDUCTION. [N] Outdoor lighting systems shall be designed and installed to comply with the following: 1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance not less stringent pursuant to Section 101.7, whichever is more stringent. Exceptions: [N] 1. Luminaires that qualify as exceptions in Section 147 of the California Energy Code. 2. Emergency lighting. Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways. 5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 1. Swales. 2. Water collection and disposal systems. 3. French drains. 4. Water retention gardens. 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path.	TABLE 5.106.5.2 – PARKING		TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES	0–9	0	10–25	1	25–50	3	51–75	6	76–100	8	101–150	11	151–200	16	201 AND OVER	AT LEAST 8% OF TOTAL
TABLE 5.106.5.2 – PARKING																					
TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES																				
0–9	0																				
10–25	1																				
25–50	3																				
51–75	6																				
76–100	8																				
101–150	11																				
151–200	16																				
201 AND OVER	AT LEAST 8% OF TOTAL																				
EXISTING	N/A																				

INSPECTOR SIGNOFF	MANDATORY
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5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following: 5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush. 5.303.3.2 Urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush. 5.303.3.3 Showerheads. 5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads. 5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead. 5.303.4 WASTEWATER REDUCTION. [N] Each building shall reduce by 20 percent wastewater by one of the following methods: 1. [BSC, DSA-SS] The installation of water-conserving fixtures (water closets, urinals) meeting the criteria established in sections 5.303.2.2 or 5.303.3. 2. [BSC] Utilizing non-potable water systems [captured rainwater, graywater, and municipally treated wastewater (recycled water) complying with the current edition of the California Plumbing Code or other methods described in Section A5.304.8. 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 140.1.1 of the California Plumbing Code and in Chapter 6 of this code.	EXISTING N/A EXISTING N/A
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TABLE 5.303.2.2 – WATER USE BASELINES					
FIXTURE TYPE	FLOW RATE ₁	DURATION	DAILY USES	OCCUPANTS ₂	
SHOWER HEADS	2.0 GPM @ 80 PSI	5 MIN.	1	X _{2a}	
LAVATORY FAUCETS (NON-RESIDENTIAL)	0.5 GPM @ 60 PSI	.25 MIN.	3	X	
KITCHEN FAUCETS	2.2 GPM @ 60 PSI	4 MIN.	1	X _{2b}	
REPLACEMENT AERATORS	2.2 GPM @ 60 PSI			X	
WASH FOUNTAINS	2.2 [RIM SPACE (N)/20 GPM@60 PSI]			X	
METERING FAUCETS	0.25 GAL/CYCLE	0.25 MIN.	3	X	
METERING FAUCETS FOR WASH FOUNTAINS	.25 [RIM SPACE (N)/20 GPM@60 PSI]	0.25 MIN.		X	
GRAVITY TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X	
FLUSHOMETER TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X	
FLUSHOMETER VALVE WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X	
ELECTROMECHANICAL HYDRAULIC WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X	
URINALS	0.5 GAL/FLUSH	1 FLUSH	2 MALE	X	

FIXTURE "WATER USE" = FLOW RATE X DURATION X OCCUPANTS X DAILY USES
1. THE DAILY USE NUMBER SHALL BE INCREASED TO THREE IF URINALS ARE NOT INSTALLED IN THE ROOM.
2. REFER TO TABLE A, CHAPTER 4, CALIF. PLUMBING CODE, FOR OCCUPANT LOAD FACTORS.
a. SHOWER USE BY OCCUPANTS DEPENDS ON THE TYPE OF USE OF A BUILDING OR PORTION OF A BUILDING, E.G., TOTAL OCCUPANT LOAD FOR A HEALTH CLUB, BUT ONLY A FRACTION OF THE OCCUPANTS IN AN OFFICE BUILDING AS DETERMINED BY THE ANTICIPATED NUMBER OF USERS.
b. NONRESIDENTIAL KITCHEN FAUCET USE IS DETERMINED BY THE OCCUPANT LOAD OF THE AREA SERVED BY THE FIXTURE.
3. USE WORKSHEET WS-1 TO CALCULATE BASELINE WATER USE.

TABLE 5.303.2.3 – FIXTURE FLOW RATES	
FIXTURE TYPE	MAX. FLOW RATE @ 20% REDUCTION
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
WASH FOUNTAINS	1.8 [RIM SPACE (N)/20 GPM @ 60 PSI]
METERING FAUCETS	0.20 GALLONS/CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	.20 [RIM SPACE (N)/20 GPM @ 60 PSI]

SECTION 5.304 OUTDOOR WATER USE
5.304.1 WATER BUDGET. A water budget shall be developed for landscape irrigation use that installed in conjunction with a new building or an addition or alteration conforms to the local water efficient landscape ordinance or to the California Department of Water Resources Water Efficient Landscape Ordinance where no local ordinance is applicable.

Note: Prescriptive measures to assist in compliance with the water budget are listed in Sections 492.5 through 492.8, 492.10 and 492.11 of the ordinance, which may be found at:
<http://www.water.ca.gov/watersenseefficiency/docs/WaterOrdSec492.fm>

5.304.2 OUTDOOR POTABLE WATER USE. For new water service or for addition or alteration requiring upgraded water service for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet (the level at which Water Code §535 applies), separate submeters or metering devices shall be installed for outdoor potable water use.

5.304.3 IRRIGATION DESIGN. In new nonresidential construction with at least 1,000 but not more than 2,500 square feet of cumulative landscaped area (the level at which the MWELo applies), install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.

5.304.3.1 Irrigation controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:
1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants, needs as weather conditions change.
2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller (a). Soil moisture-based controllers are not required to have rain sensor input.

Note: More information regarding irrigation controller function and specifications is available from the Irrigation Association.

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.2 WATER REDUCTION. Plumbing fixtures shall meet the maximum flow rate values shown in Table 5.303.2.3

Exception: Building that demonstrate 20% overall water use reduction. In this case, a calculation demonstrating a 20% reduction in the building "water use baseline," as established in Table 5.303.2.2, shall be provided.

5.303.2.1 Areas of addition or alteration. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.2 and Section 5.303.3 shall apply to new fixtures in additions or areas of alteration to the building.

INSPECTOR SIGNOFF	DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY SECTION 5.401 GENERAL 5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting. SECTION 5.402 DEFINITIONS 5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference) ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper. BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities. BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's, s project requirements. TEST. A procedure to determine quantitative performance of a system or equipment. SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 (Weather Protection) and California Energy Code Section 150, (Mandatory Features and Devices), manufacturer's, s installation instructions or local ordinance, whichever is more stringent. 5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods. 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. 5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows: 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following: 1. An installed awning at least 4 feet in depth. 2. The door is protected by a roof overhang at least 4 feet in depth. 3. The door is recessed at least 4 feet. 4. Other methods which provide equivalent protection. 5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane. SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 50% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent. 5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that: 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section. Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. Exceptions to Sections 5.408.1.1 and 5.408.1.2: 1. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist. 3. Demolition waste meeting local ordinance or calculated in consideration of load recycling facilities and markets. 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 50% minimum requirement as approved by the enforcing agency. 5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and can be accessible during construction for examination by the enforcing agency. Notes: 1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan. 2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle). 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. [BSC] 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed. Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation. Notes: 1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. 2. For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdffa.ca.gov) SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (but not limited to) paper, corrugated cardboard, glass, plastics and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. 5.410.1.1 Additions. [A] All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site. Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area. 5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the <i>Public Resources Code</i> . Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1981 (Act). Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site. 5.410.2 COMMISSIONING. [N] For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. Commissioning requirements shall include: Owner's or Owner representative's, s project requirements. Basis of design. Commissioning measures shown in the construction documents. Commissioning plan. Functional performance testing. Documentation and training. Commissioning report. Exceptions: Dry storage ware/PNL-Hs of any size. Areas under 10,000 square feet used for offices or other conditioned accessory spaces within dry storage ware/PNL-Hs. Tenant improvements under 10,000 square feet as described in Section 303.1.1 Commissioning requirements for energy systems covered by the 2013 California Energy Code. All building systems and components covered by Title 24, Part 6, as well as process equipment and controls, and renewable energy systems shall be included in the scope of the commissioning requirements.
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STREAMLINE DIGITAL DESIGN Or visit us at: www.streamlinedigitaldesign.com Phone / Fax: (209) 951-4527 E-Mail: beststreamline@comcast.net	DESIGNERS SIGNATURE

JURISDICTION	BUILDING DEPARTMENT
	NAME: CITY OF VISALIA ADDRESS: 315 E. ACEQUIA AVE. VISALIA, CA 93291 PHONE: 559-713-4444

OWNER	BUILDING OWNER
	NAME: NEIL ANGELILLO TRUE NORTH PROPERTIES ADDRESS: 1155 W. SHAW #104 FRESNO, CA 93711 PHONE: 559-222-5768

TENANT	TENANT
	NAME: STANTON OPTICAL ADDRESS: 3801 CONGRESS AVE. PALM SPRINGS, FL 33461 PHONE: 561-275-2020

GEN. CONTRACTOR	CONTRACTOR
	COMPANY: T.B.D. NAME: LIC #: ADDRESS: PHONE:

GREEN BUILDING STANDARDS	CONSTRUCTION SITE
	SITE ADDRESS: 3530 S. MOONEY BLVD. VISALIA, CA 93277 SITE APN: 122-290-026-000 DRAWING INFORMATION REVISION DATE 12-29-14 FILE NAME: 14-1010-STANTON-VISALIA DRAWING SCALE: N/A

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2013 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 2

INSPECTOR SIGNOFF

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5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR).

5.410.2.2 Basis of Design (BOD).

5.410.2.3 Commissioning plan.

5.410.2.4 Functional performance testing.

5.410.2.5 Documentation and training.

5.410.2.5.1 Systems manual.

5.410.2.5.2 Systems operations training.

5.410.2.6 Commissioning report.

5.410.4 TESTING AND ADJUSTING.

5.410.4.2 Systems.

5.410.4.3 Procedures.

5.410.4.3.1 HVAC balancing.

5.410.4.4 Reporting.

5.410.4.5 Operation and maintenance (O & M) manual.

5.410.4.5.1 Inspections and reports.

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JURISDICTION	BUILDING DEPARTMENT <u>NAME:</u> CITY OF VISALIA <u>ADDRESS:</u> 315 E. ACEQUIA AVE. VISALIA, CA 93291 <u>PHONE:</u> 559-713-4444
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OWNER	BUILDING OWNER <u>NAME:</u> NEIL ANGELILLO TRUE NORTH PROPERTIES <u>ADDRESS:</u> 1155 W. SHAW #104 PALM SPRINGS, CA 93711 <u>PHONE:</u> 559-222-5768
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TENANT	TENANT <u>NAME:</u> STANTON OPTICAL <u>ADDRESS:</u> 3801 CONGRESS AVE. PALM SPRINGS, FL 33461 <u>PHONE:</u> 561-275-2020
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GEN. CONTRACTOR	CONTRACTOR <u>COMPANY:</u> T.B.D. <u>NAME:</u> <u>LIC #:</u> <u>ADDRESS:</u> <u>PHONE:</u>
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GREEN BUILDING STANDARDS	CONSTRUCTION SITE <u>SITE ADDRESS:</u> 3530 S. MOONEY BLVD. VISALIA, CA 93277 <u>SITE APN:</u> 122-290-026-000 DRAWING INFORMATION <u>REVISION DATE</u> 12-29-14 <u>FILE NAME:</u> 14-1010-STANTON-VISALIA <u>DRAWING SCALE:</u> N/A
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