

UPPER LEVEL OFFICE EXPANSION

PRESCOTT HONDA

PRESCOTT, ARIZONA

General Notes

1. A COPY OF THE APPROVED SET OF CONSTRUCTION DRAWINGS SHALL BE KEPT AT THE JOB SITE.
2. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS ARE PROHIBITED.
3. STUD PARTITIONS SHALL BE ANCHORED SO AS TO RESIST A LATERAL LOAD OF 5 P.S.F. AS FOLLOWS:
BOTTOM PLATE - ANCHOR TO SUB-FLOOR WITH .145" DIAMETER POWER DRIVEN PINS AT 24" ON CENTER.
TOP PLATE - BRACE BACK TO STRUCTURE ALTERNATING SIDES EVERY 8'-0" ON CENTER WITH 20 GAUGE METAL STUDS.
4. PROVIDE BLOCKING BEHIND ALL WALL MOUNTED DOOR STOPS, AND AS REQUIRED FOR ALL MILLWORK, ETC. ALL WOOD BLOCKING, AND FURRING AND BACKING, SHALL BE NONCOMBUSTABLE FIRE-RETARDANT-TREATED WOOD OR METAL. ALL REQUIRED RATED MATERIALS SHALL BEAR IDENTIFICATION SHOWING FIRE PERFORMANCE RATING THEREOF.
5. DRAWINGS ASSUME THE EXISTING BUILDING TO BE IN COMPLIANCE WITH CODE REQUIREMENTS. ANY VIOLATIONS OF CODES IN EXISTING BUILDING DISCOVERED DURING THE COURSE OF CONSTRUCTION WILL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE BUILDING OWNER AND W. ALAN KENSON & ASSOCIATES, P.C.
6. MOUNTING HEIGHT FOR TELEPHONE AND ELECTRICAL OUTLETS SHALL BE 18" ABOVE FINISH FLOOR UNLESS OTHERWISE NOTED. ELECTRICAL / TELEPHONE OUTLET COMBINATIONS SHALL BE MOUNTED ON THE OTHER SIDE OF THE SAME STUD. OUTLETS SHALL BE STAGGERED FROM ONE SIDE TO THE OTHER WALLS TO INHIBIT TRANSFER OF SOUND.

General Notes Cont.

7. ALL WALLS CONTAINING WASTE LINES SHOULD BE CONSTRUCTED OF 6" STUDS OR AS REQUIRED TO ACCOMMODATE PLUMBING LINES.
8. DIMENSIONS ARE FROM FACE TO FACE WHERE INDICATED AS CLEAR.
9. CENTER PARTITION ON CENTERLINE OF EXTERIOR WINDOW WALL MULLION, EXCEPT AS NOTED OTHERWISE.
10. ALIGN NEW PARTITION WITH EXISTING PARTITION OR OTHER NEW PARTITIONS OTHERWISE LOCATED.
11. PARTITIONS, END OF PARTITIONS, AND OTHER ELEMENTS WHICH APPEAR TO ALIGN WITH EACH OTHER ARE INTENDED TO ALIGN UNLESS OTHERWISE DIMENSIONED.
12. GYPSUM BOARD WALLS ARE TO BE TAPED, MUDDED, AND PAINTED WITH ONE PRIME COAT AND TWO FINISH COATS.
13. ALL BASE CABINET COUNTERTOPS SHALL BE SCRIBED TO WALL WHEREVER BACKSPLASH DOES NOT OCCUR.
14. WE CERTIFY TO THE BEST OF OUR KNOWLEDGE AND INFORMATION WE HAVE COMPLIED WITH APPLICABLE PORTIONS OF THE ANSI STANDARD NO. A117.1-2003, THE AMERICANS WITH DISABILITIES ACT OF 1990 - ADAAG AND THE ARIZONA DISABILITIES ACT - AZDAAG AS WELL AS ALL LOCAL REQUIREMENTS PERTAINING TO BUILDING ACCESSIBILITY FOR THE HANDICAPPED.
15. REFER TO ORIGINAL PRESCOTT HONDA CONSTRUCTION DOCUMENTS AND PROJECT MANUAL BY W. ALAN KENSON & ASSOCIATES, P.C., DATED 03-08-11, AVAILABLE AT THE ARCHITECT'S OFFICE, FOR REFERENCE AS REQUIRED.

Project Information

OWNER:	Prescott Honda 1240 Iron Springs Road Prescott, Arizona 86305	CONTRACTOR:	TBD TBD TBD
PREPARED BY:	W. Alan Kenson & Associates, P.C. P.O. Box 11593 Prescott, AZ 86304	JOBSITE ADDRESS:	3291 Willow Creek Road Prescott, AZ
PARCEL NUMBER:	Parcel 1: 106-08-209 Parcel 2: 106-08-209A	PARKING REQUIRED:	Parking is existing and sufficient
SITE OVERALL:	Parcel 1: 5.23 Acres (228,013 S.F.) Parcel 2: 1.83 Acres (79,929 S.F.)		
ZONING:	BR - Business Regional		
OCCUPANCY:	B - Business	CONST. TYPE:	V-B
		BUILDING SETBACKS:	Front: 10' Side: 7' Rear: 10'
BUILDING HEIGHT:	50' Maximum ± 32' Approximate height provided		
BUILDING AREA:	OCCUPANT LOAD:		
	<u>1st Floor:</u>		
	Office Area:	2,444 s.f. / 100 s.f. =	24.44 Occupants
	Showroom Area:	5,604 s.f. / 30 s.f. =	186.80 Occupants
	Storage Area:	1,722 s.f. / 500 s.f. =	3.44 Occupants
	Service Area:	10,317 s.f. / 100 s.f. =	103.17 Occupants
	Car Wash:	953 s.f. 0 =	0 Occupants
			319.85 Occupants
	<u>2nd Floor: (Refer to Occupant Load Calculation on Sheet A0.0)</u>		
	Office Area:	=	92.27 Occupants
	Storage Area:	2,520 s.f. / 500 s.f. =	5.04 Occupants
			97.31 Occupants
	<u>Covered Outdoor Area:</u>		
	Vehicle Delivery:	1,093 s.f.	417.16 Occupants
	Service Reception:	1,426 s.f.	
	Express Reception:	412 s.f.	
	Entrance Can:	129 s.f.	
	Vehicle Detail Bays:	1,569 s.f.	
	Total Under Roof:	39,793 s.f.	
	Total Gross Building:	35,078 s.f.	
EXITS REQUIRED:	2 exits required, 13 exits provided.		

Sheet Index

<u>ARCHITECTURAL</u>	<u>MECHANICAL:</u>
CS Cover Sheet / Project Information	M1.0 Mechanical Floor Plan
A0.0 Egress / Occupancy Plan	M2.0 Mechanical Notes & Schedules
A1.0 Reference / Dimension Floor Plan	M3.0 Mechanical Details
A2.0 Reflected Ceiling Plan	P1.0 Plumbing Floor Plan
A3.0 Room Finish / Furnishings Plan & Schedule , Materials Schedule	P2.0 Plumbing Details and Schedules
A4.0 Enlarged Restroom Floor Plan, Interior Elevations, Details	<u>ELECTRICAL:</u>
A5.0 Door Schedule, Interior Elevations, Details	E1.0 Electrical One Line Diagram, Specifications, Fixture Schedule
A6.0 Window Elevations, Interior Elevations, Details	E2.0 Lighting Floor Plan Power Floor Plan

Project Description

Tenant Improvement of existing unoccupied Upper Level space. Tenant improvement consists of reconfiguring existing MP&E systems and fire sprinkler / alarm systems to new floor plan layout / build new offices, toilet room, breakroom, files room & conference room. Install specified finishes and millwork.

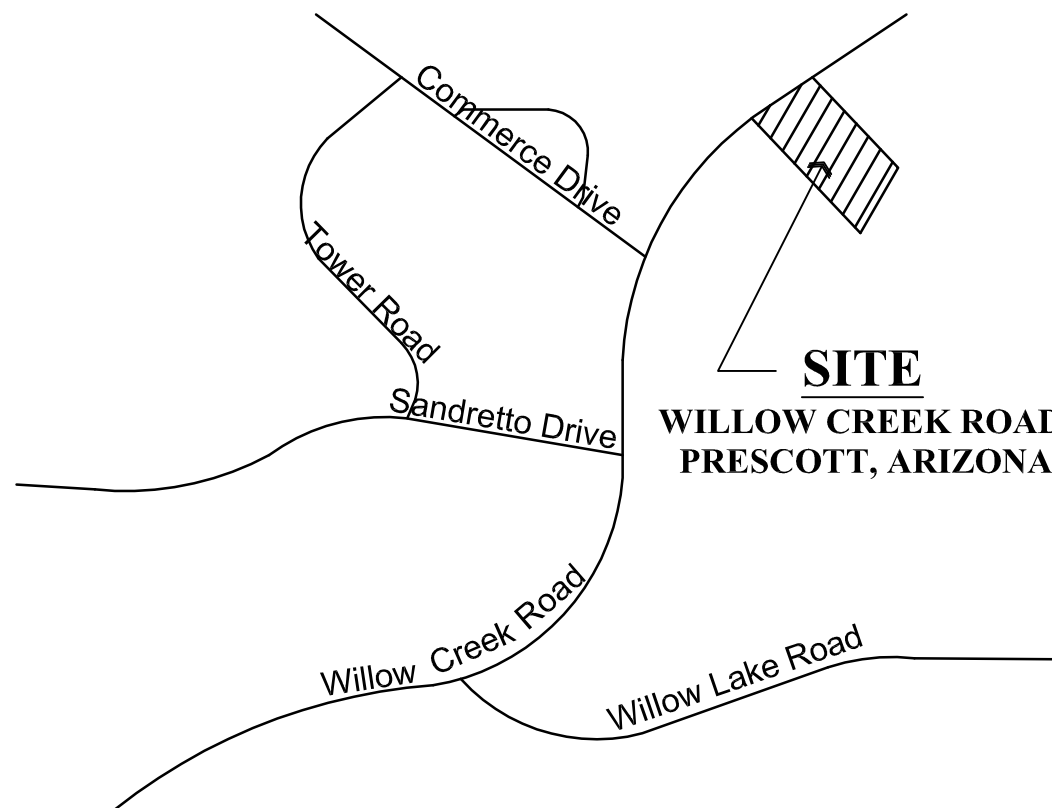
Graphic Standards



Deferred Submittals

- The following items are required and will be provided as a deferred submittal:**
- Fire Sprinkler System.
Automatic Fire Sprinkler System submittal documents for deferred submittal shall be submitted to the local fire district, who shall review them and forward them to the building official, with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the building. The deferred submittal items shall "NOT" be installed until their design and submittal documents have been approved by the fire marshal having jurisdiction.
 - Fire Alarm System.
Automatic Fire Alarm System submittal documents for deferred submittal shall be submitted to the local fire district, who shall review them and forward them to the building official, with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the building. The deferred submittal items shall "NOT" be installed until their design and submittal documents have been approved by the fire marshal having jurisdiction.

Vicinity Map



Architect:

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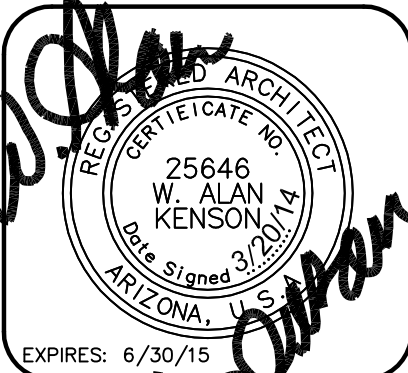
www.kenson-associates.com

ARCHITECTURE & PLANNING



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ARCHITECTURE & PLANNING

DRAWING: COVER SHEET, PROJECT INFORMATION

PROJECT: IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY
JMM

CHECKED BY
WAK

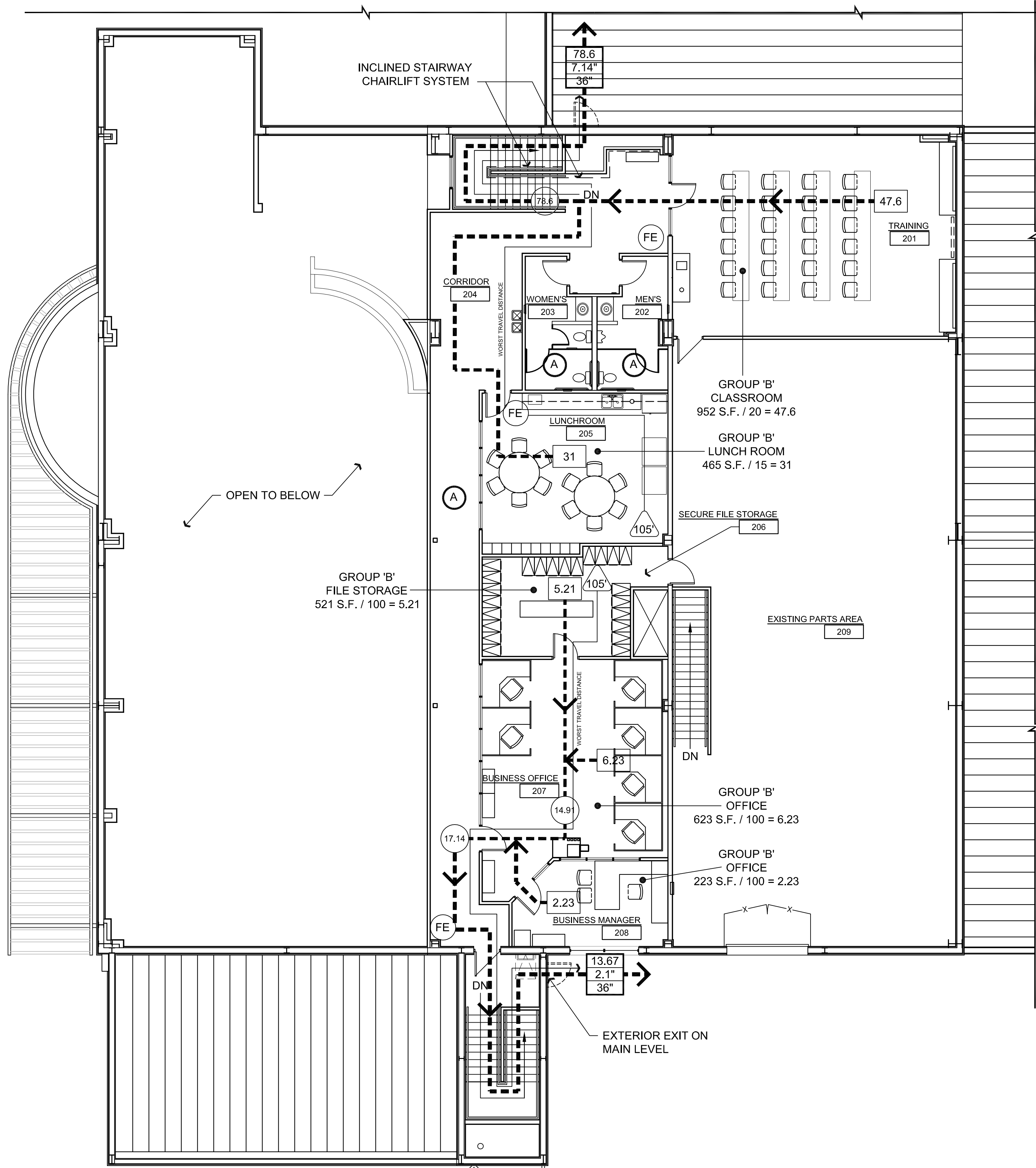
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649

SHEET

CS



Accessibility Notes:

- NOTES APPLY ONLY TO NEW CONSTRUCTION
- ACCESS TO THESE FACILITIES SHALL BE AT PRIMARY ENTRANCES.
 - THE SLOPE OF PUBLIC WALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 2%.
 - WALKING SURFACES GREATER THAN 2% SHALL BE SLIP RESISTANT.
 - PROVIDE A 44"x60" MINIMUM LANDING ON THE STRIKE SIDE OF THE ENTRANCE DOOR WITH 44" MINIMUM WIDTH IN THE DIRECTION OF TRAVEL.
 - WALLS SHALL EXTEND 18" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARDS THE OCCUPANT.
 - RAMPS SHALL HAVE A NON-SLIP SURFACE.
 - RAMPS SHALL BE A MINIMUM OF 36" WIDE.
 - EVERY REQUIRED EXIT DOORWAY SHALL BE SIZED FOR A DOOR NOT LESS THAN 36" WIDE BY NOT LESS THAN 6'-8" HIGH CAPABLE OF OPENING 90 DEGREES AND MOUNTED SO THE CLEAR WIDTH OF THE EXIT WAY IS 32" MINIMUM.
 - THRESHOLDS TO BE A MAXIMUM OF 1/4" ABOVE ADJACENT FLOOR FINISH. ONE-HALF INCH THRESHOLD MAY BE USED IF BEVELED PER A.D.A. STANDARDS.
 - MAXIMUM EFFORT TO OPERATE A DOOR SHALL NOT EXCEED 5 POUNDS.
 - THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
 - PROVIDE LEVER TYPE HARDWARE, PANIC BARS, PUSH AND PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. (30" TO 44" A.F.F.) REFER TO DOOR HARDWARE SCHEDULE.

Occupant Load:

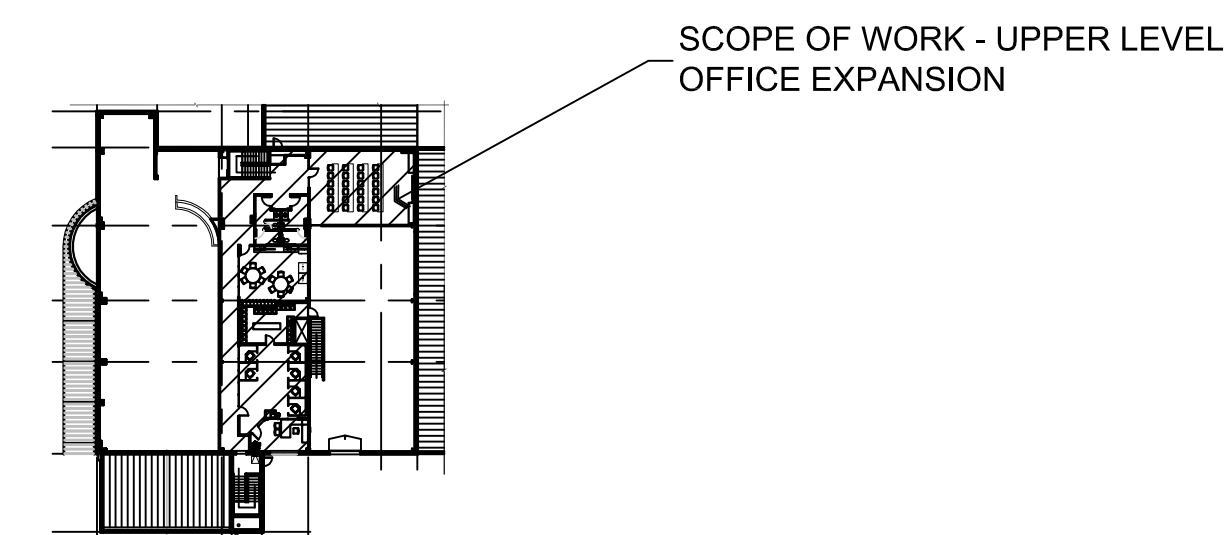
NOTE:
GROSS SQUARE FOOTAGE LISTED
BELOW DOES NOT INCLUDE
ACCESSORY AREAS.

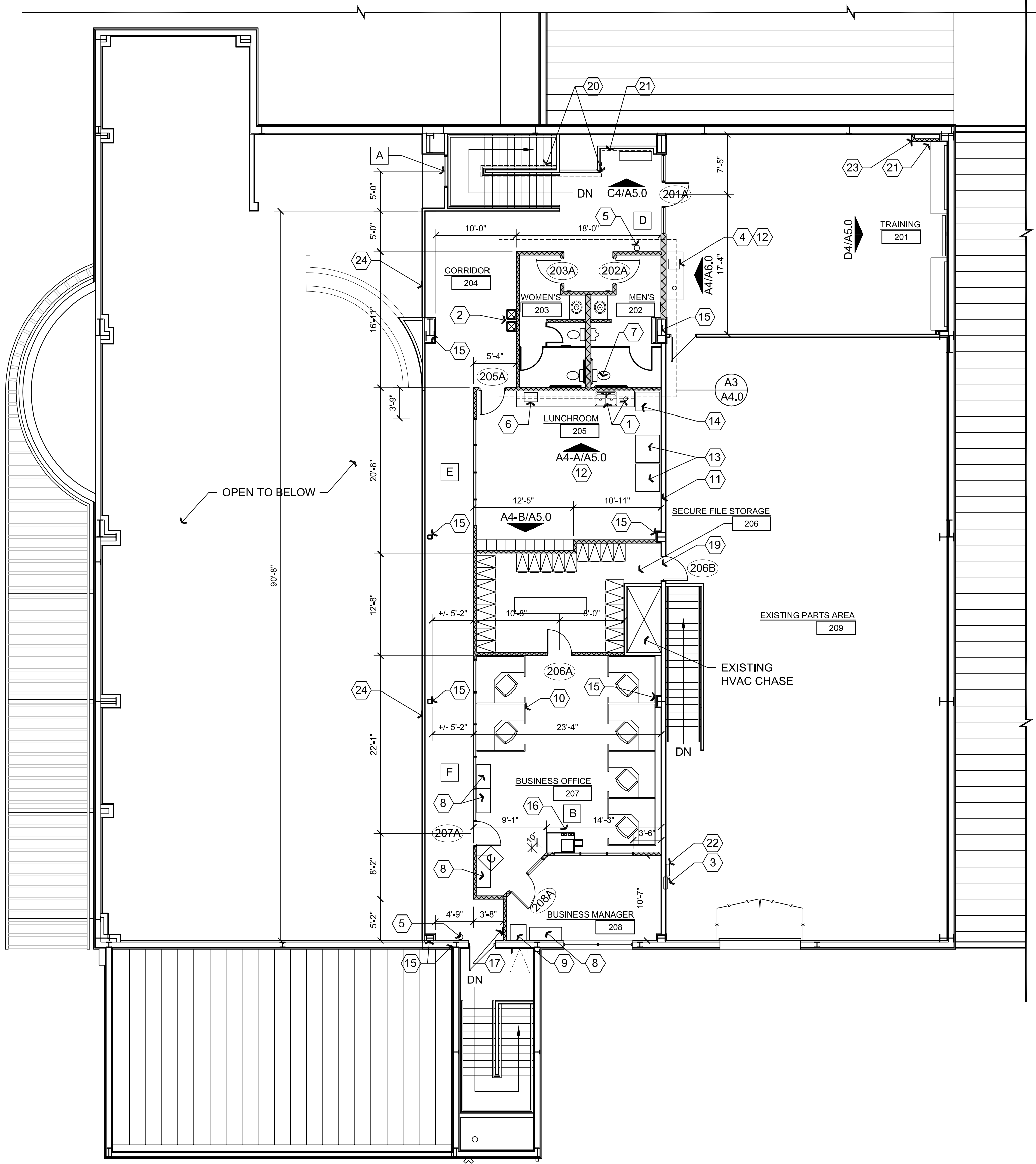
CLASSROOM:	952 S.F., 'B' 1:20 NET	= 47.6 OCCUPANTS
OFFICE AREA:	846 S.F., 'B' 1:100 GROSS	= 8.46 OCCUPANTS
STORAGE AREA:	521 S.F., 'B' 1:100 GROSS	= 5.21 OCCUPANTS
LUNCH ROOM:	465 S.F., 'B' 1:15 NET	= 31 OCCUPANTS
TOTAL:	2,784 S.F.	= 92.27 OCCUPANTS

- NOTE:**
- PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ICCA117.1 AND IBC 1011.3 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE CENTER OF THE SIGN.

Egress Legend:

- EXIT ACCESS
- ACCESSORY USE (NO OCCUPANCY)
- ROOM OCCUPANCY LOAD
- SUBTOTAL OCCUPANCY LOAD
- OCCUPANCY TOTAL
- REQ'D EXIT WIDTH (FACTOR = 0.15)
- PROV'D EXIT WIDTH
- FIRE EXTINGUISHER
- WORST CASE TRAVEL DISTANCE





Legend:

TYPICALLY INDICATES EXISTING DOOR

TYPICALLY INDICATES PROPOSED DOOR

Wall Types Legend:

REFER TO FRAMING DETAILS ON A4.0

NEW WALLS:

INTERIOR PARTITION WALL: 1 LAYER 5/8" GPDW ON EACH SIDE OF 3-5/8" 25 GAUGE METAL STUDS AT 2'-0" ON CENTER TO 6" ABOVE CEILING. PROVIDE R-11 UNFACED BATT INSULATION (TYPICAL: 4-7/8" WIDE; PLUMBING: 8" WIDE; FURRED: 4-1/4" WIDE WALL TO ALIGN, WIDTH VERIFY IN FIELD)

EXISTING WALL

Key Plan - Upper Level

Reference Floor Plan General Notes:

1. ALL FLOORING TRANSITIONS TO OCCUR BENEATH CENTER OF DOOR UNLESS NOTED OTHERWISE.

2. IN-WALL BLOCKING / REINFORCING IS REQUIRED BEHIND ALL WALL MOUNTED MILLWORK AND / OR ACCESSORIES WHETHER FURNISHED AND INSTALLED BY THE CONTRACTOR OR BY THE OWNER.

3. NEW CONSTRUCTION IS TO ALIGN WITH EXISTING.

4. PROVIDE NEW PAINT AT ALL WALLS, TWO COATS - REFER TO ROOM FINISH SCHEDULE.

Descriptive Key Notes:

1. PROVIDE STAINLESS STEEL SINK FOR LUNCH ROOM, CONNECT TO EXISTING PLUMBING WASTE AND WATER STUB OUTS, REFER TO PLUMBING PLANS. PROVIDE 6" METAL SLEEVE TRASH INSERT, REFER TO A4-A5.0

2. DRINKING FOUNTAIN, HI LOW , ADA COMPLIANT, REFER TO PLUMBING PLANS

3. EXISTING ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS

4. PROVIDE STAINLESS STEEL BAR SINK FOR TRAINING ROOM, REFER TO PLUMBING PLANS . METAL TRASH SLEEVE INSERT AT COUNTER TOP

5. PROVIDE TYPE 2A10BC FIRE EXTINGUISHER, WALL MOUNTED

6. MICROWAVE BY OWNER

7. EXISTING PLUMBING FIXTURES STUB OUTS TO REMAIN, TYPICAL

8. LATERAL FILES BY OWNER

9. FLOOR SAFE BY OWNER

10. WORK STATIONS BY OWNER

11. PROVIDE WATER LINE AND WALL VALVE BOX FOR VENDING, RUN NEW WATER LINE BELOW FLOOR , REFER TO PLUMBING PLANS

12. PROVIDE MILLWORK, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE

13. VENDING MACHINES BY OWNER

14. REFRIGERATOR BY OWNER

15. EXISTING STEEL BUILDING COLUMN

16. POSTAGE MACHINE BY OWNER

17. PROVIDE 6" X 9" BLUE TACTILE EXIT SIGN @ 60" A.F.F., REFER TO SHEET A0.0

18. NOT USED

19. REMOVE EXISTING WALL AT NEW DOOR

20. INCLINED STAIRWAY CHAIRLIFT "SAVARIA STAIRFRIEND STAIRLIFT", PART NO. 000914, CHAIR DOCK AT UPPER LEVEL, ASME A18.1-2011 COMPLIANT

21. NATURAL GAS PIPING, HORIZONTAL AND VERTICAL, VERIFY IN FIELD

22. PROVIDE NEW ELECTRICAL PANEL, REFER TO ELECTRICAL PLANS

23. FURR WALL TO MATCH TO ALIGN WITH FURRED CEILING AT PIPING, REFER TO D1-A4.0

24. EXISTING 42" HIGH WALL

REVISIONS

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W. Alan Kenson & Associates, P.C.

25646 W. ALAN KENSON DRIVE SUITE 301 PHOENIX, ARIZONA 85024

EXPIRES: 6/30/15

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DRAWING:

REFERENCE / DIMENSION FLOOR PLAN

PROJECT:

IMPROVEMENTS FOR: PRESCOTT HONDA 3291 WILLOW CREEK ROAD PRESCOTT, AZ 86301

DRAWN BY

JMM

CHECKED BY

WAK

DATE

3/20/2014

SCALE

AS NOTED

JOB NO.

649

SHEET

A1.0

1. NEW CONSTRUCTION IS TO ALIGN WITH EXISTING.
2. PROVIDE NEW PAINT AT ALL WALLS, TWO COATS PLUS PRIMER COAT- REFER TO ROOM FINISH SCHEDULE.

1. 2X4' CEILING GRID SYSTEM WITH ACOUSTICAL TILES, SUSPEND FROM STRUCTURE
2. GPDW CEILING SYSTEM. GPDW ON 3 5/8" - 20 GA. METAL JOISTS, SCREW JOISTS AT 2'-0" O.C.
3. ACOUSTICAL BATT INSULATION, R-11, OVER ROOMS
4. LIGHT FIXTURE AS INDICATED, REFER TO ELECTRICAL PLANS
5. HVAC AS INDICATED, REFER TO MECHANICAL PLANS
6. FASCIA WALL FROM CEILING UP TO ROOF STRUCTURE ABOVE, ALIGN WITH FACE OF EXISTING UPPER LEVEL GUARD WALL BELOW , REFER TO C1-A4.0

NOTE: REFER TO MECHANICAL, PLUMBING ELECTRICAL, AUTOMATIC FIRE ALARM, AND AUTOMATIC FIRE SPRINKLER PLANS

2'x4' SUSPENDED ACOUSTIC CEILING GRID SYSTEM AC-1

GPDW CEILING SYSTEM

RECESSED 2'x4' FLUORESCENT LIGHT FIXTURE - REFER TO ELECTRICAL PLANS

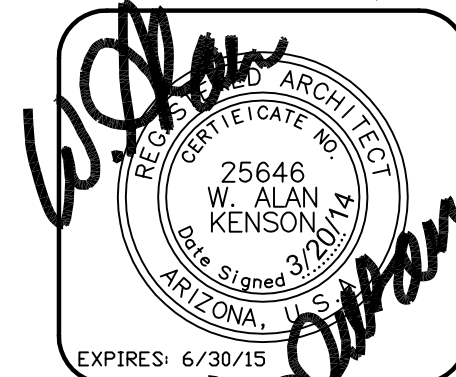
RECESSED DOWNLIGHT - REFER TO ELECTRICAL PLANS

HVAC SUPPLY - REFER TO MECHANICAL PLANS

HVAC RETURN - REFER TO MECHANICAL PLANS



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ARCHITECTURE & PLANNING



DRAWING: REFLECTED CEILING PLAN

PROJECT:
IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86304

DRAWN BY
JMM

CHECKED BY
WAK

DATE
3/20/2014

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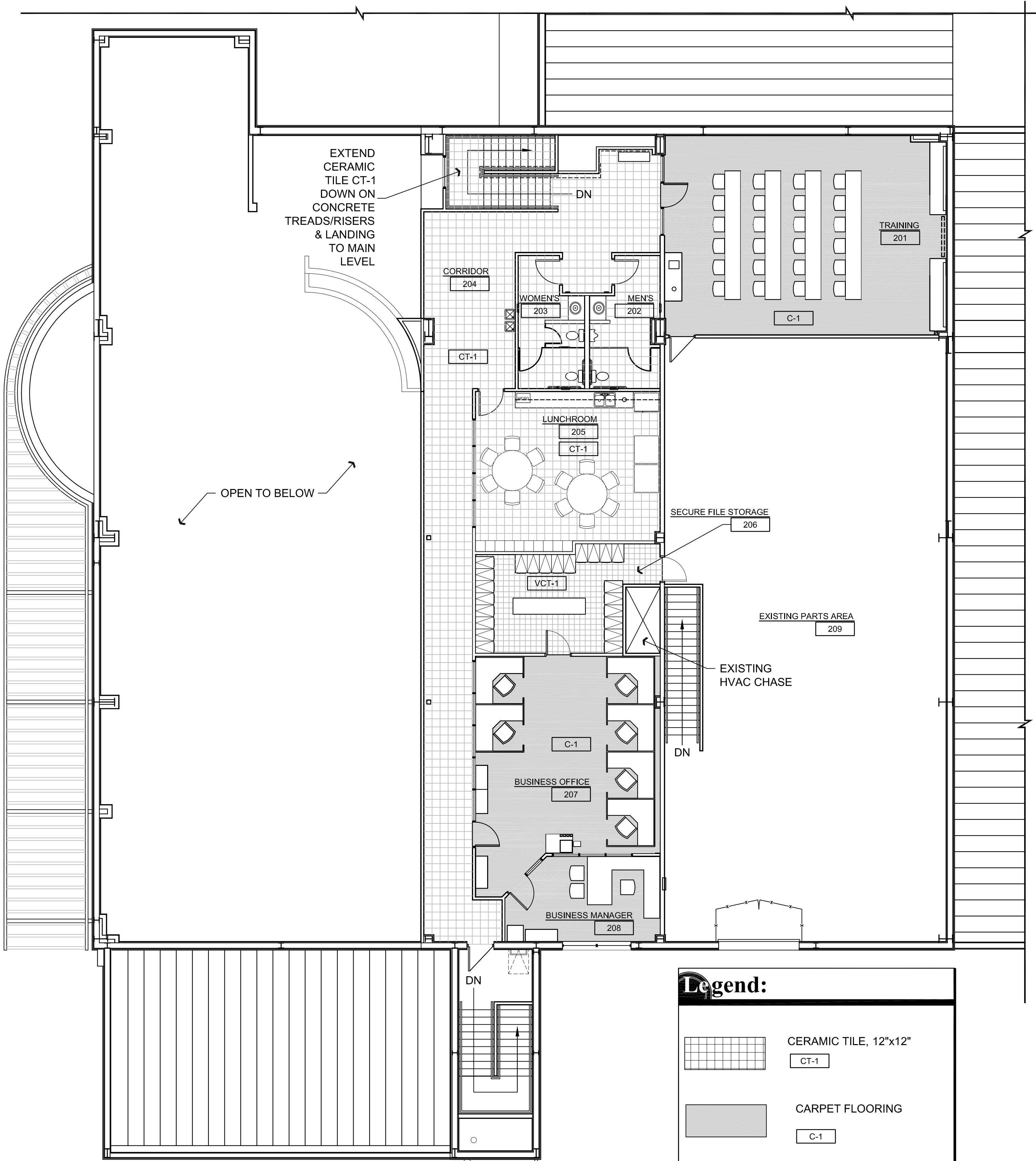
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A2.0



Room Finish /Furnishings Plan - Upper Level

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



Legend:

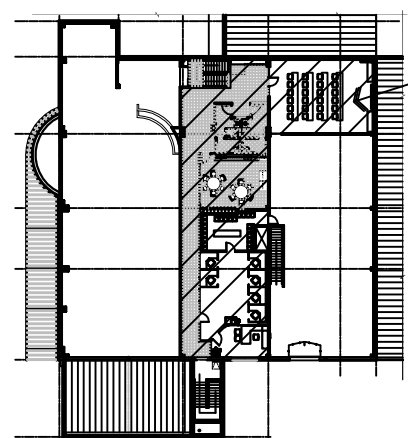
- CERAMIC TILE, 12"x12"
CT-1
- CARPET FLOORING
C-1
- RESILIENT TILE FLOORING
VCT-1
- EXISTING PLYWOOD FLOOR

Room Finish Schedule:

NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT	COMMENTS
201	TRAINING	F1	B1	W1/W2/W3	C1	8'-6"	Comments Note 1
202	MENS	F2	B2	W1/W2/W4	C2	8'-0"	Comments Note 3
203	WOMENS	F2	B2	W2/W4	C2	8'-0"	Comments Note 3
204	CORRIDOR	F2	B1	W1/W2/W3	C1	9'-0"	
205	LUNCHROOM	F2	B1	W1/W2	C1	8'-0"	
206	SEC. FILE STG.	F3	B1	W1/W2	C1	8'-0"	Comments Note 2
207	BUS. OFFICE	F1	B1	W1/W2/W3	C1	8'-0"	Comments Note 1
208	BUS. MGR.	F1	B1	W1/W2/W3	C1	8'-0"	Comments Note 1
209	EX. PARTS	F4	-	-	-	-	Existing
FLOOR:				GENERAL NOTES:			
F1 CARPET				1. PAINT WALLS.			
F2 CERAMIC TILE OVER 1/4" CEMENTITIOUS BACKER BOARD				2. EXISTING FINISHES TO REMAIN - PROVIDE FINISH TO MATCH EXISTING AT REPAIR / INFILL NEW AREAS.			
F3 VINYL COMPOSITION TILE				3. PROVIDE RUBBER TRANSITION STRIPS TO MATCH RUBBER BASE COLOR BETWEEN CARPET & RESILIENT FLOORING AND CARPET & PLYWOOD			
F4 EXISTING PLYWOOD							
BASE:				COMMENTS:			
B1 4" RUBBER COVE BASE				1. PROVIDE 1/4" LUAN SUBFLOOR OR AS RECOMMENDED BY CARPET MANUFACTURER			
B2 CERAMIC TILE				2. PROVIDE 1/4" MASONITE SUBFLOOR			
WALLS:				3. FLOOR PATTERN MATCH MAIN LEVEL RESTROOMS			
W1 EXISTING PAINTED GPDW (TO BE REPAINTED)							
W2 PAINTED GPDW, LIGHT SKIP TROWEL TEXTURE TO MATCH EXISTING							
W3 ALUMINUM STOREFRONT							
W4 CERAMIC TILE WAINSCOT							
CEILING:							
C1 ACOUSTIC PANEL WITH SUSPENDED GRID							
C2 PAINTED GPDW							

Interior Material & Finish Schedule:

CODE	MATERIAL	COOL COLOR SCHEME	
		MANUFACTURER	SPECIFICATION
AC-1	ACOUSTICAL CEILING TILE	USG CEILINGS CONTACT: MARTY HAAKE (800) 874-5129 EXT. 8220	SERIES: RADAR CLIMAPLUS ITEM#: 2410 SQ SIZE: 2'-0" X 4'-0" X 3/4"
C-1	CARPET	J & J INVISION CONTACT: DON FICALING (800) 241-4586 EXT. 7934 OR LISA WILCOX (800-241-4585)	PL93405434M
CB-1	COVE BASE	FLEXCO	COLOR: #WF-025 LIGHT GRAY
CT-1	CERAMIC TILE (RESTROOM FLOOR) (CORRIDOR FLOOR) (LUNCHROOM FLOOR)	GRANITI FIANDRE CONTACT: RANDY MASS/ TRI-STATE TILE (888) 866-8453 OR (513) 383-8081	COLOR: #C-380 TOLIMA (BEIGE) FINISH: SEMI-MATTE SIZE: 12" X 12"
CT-2	CERAMIC TILE (RESTROOM FLOOR ACCENT)	GRANITI FIANDRE	STYLE: GRANITI REALI COLOR: #R120 AZUL BAHIA (BLUE) SIZE: 12" X 12"
CT-3	CERAMIC TILE (RESTROOM WALL)	DAL-TILE CONTACT: MARSHA MCCAULEY (513) 759-9325	COLOR: #K-176 ICE GRAY FINISH: GLOSS SIZE: 4" X 4"
CT-4	CERAMIC TILE (RESTROOM WALL ACCENT)	DAL-TILE	COLOR: #1469 GALAXY FINISH: GLOSS SIZE: 4" X 4"
D-1	WOOD DOOR	VT INDUSTRIES	#3070 COLOR TO MATCH PL-1
DT-1	STEEL DOOR TRIM (STEEL DOOR FRAMES)	TIMELY INDUSTRIES	COLOR: MATCH EXISTING AT MAIN LEVEL TIMELY FRAMES
G-1	EPOXY GROUT (SHOWROOM AND RESTROOM FLOORS)	LATICRETE INTERNATIONAL CONTACT: RANDY MASS/ TRI-STATE TILE (888) 866-8453 OR (513) 383-8081	COLOR: #89 SMOKE GRAY
G-2	GROUT (RESTROOM WALLS)	LATICRETE INTERNATIONAL	COLOR: #88 SILVER SHADOW
P-1	PAINT (OVERALL INTERIOR)	SHERWIN WILLIAMS CONTACT: STACY STACHLER (216) 341-6444	COLOR: #SW1039 ZURICH WHITE INTERIOR PROMAR 200, EG-SHEL N1 - 9/32 + 1/128, B20W02251
PL-1	PLASTIC LAMINATE CASEWORK TRAINING CASEWORK CORRIDOR CASEWORK LUNCHROOM CASEWORK FACES	PIONITE	COLOR: #WX031-S PEARWOOD FINISH: SUEDE
PL-2	PLASTIC LAMINATE (TRAINING & LUNCHROOM COUNTERTOPS)	WISONART INTERNATIONAL CONTACT: MICHELLE ALLEN (800) 736-3524 EXT. 310	COLOR: #4142-60 GREY GLACE FINISH: MATTE
SF-1	STOREFRONT WINDOW	OLD CASTLE	MATCH MAIN LEVEL INTERIOR STOREFRONT
SF-2	TYPICAL SIDELIGHT	OLD CASTLE	GLASS & FRAME TO MATCH SF-1
SS-1	SOLID SURFACE COUNTERTOP (MENS & WOMENS)	WILSONART	COLOR: #9028 MG "ROYAL MIRAGE"
TS-1	TRANSITION STRIP	SCHLUTER (800) 472-4588	RENO-AETK100 ALUMINUM SATIN, ANODIZED
VCT-1	VINYL COMPOSITION TILE (FILE STORAGE)	ARMSTRONG COMMERCIAL CONTACT: LISA CAVATAIO (800) 356-9301 EXT. 8432	STYLE: IMPERIAL TEXTURE COLOR: #51908 PEWTER SIZE: 12" X 12" FIELD TILE



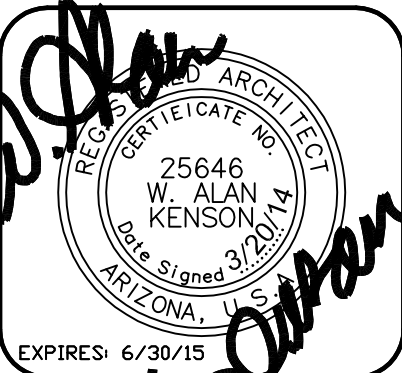
SCOPE OF WORK - UPPER LEVEL OFFICE EXPANSION



Key Plan - Upper Level

REVISIONS	BY

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ARCHITECTURE & PLANNING

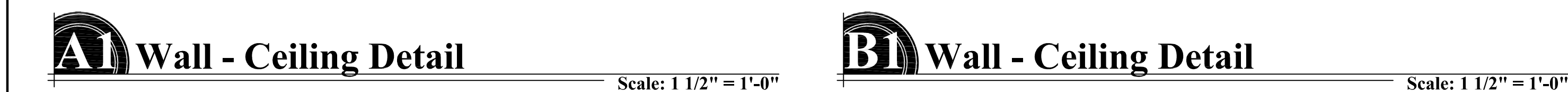
DRAWING: ROOM FINISH PLAN & SCHEDULE / MATERIALS SCHEDULE
PROJECT: IMPROVEMENTS FOR: PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY: JMM
CHECKED BY: WAK
DATE: 3/20/2014
SCALE: AS NOTED
JOB NO: 649
SHEET

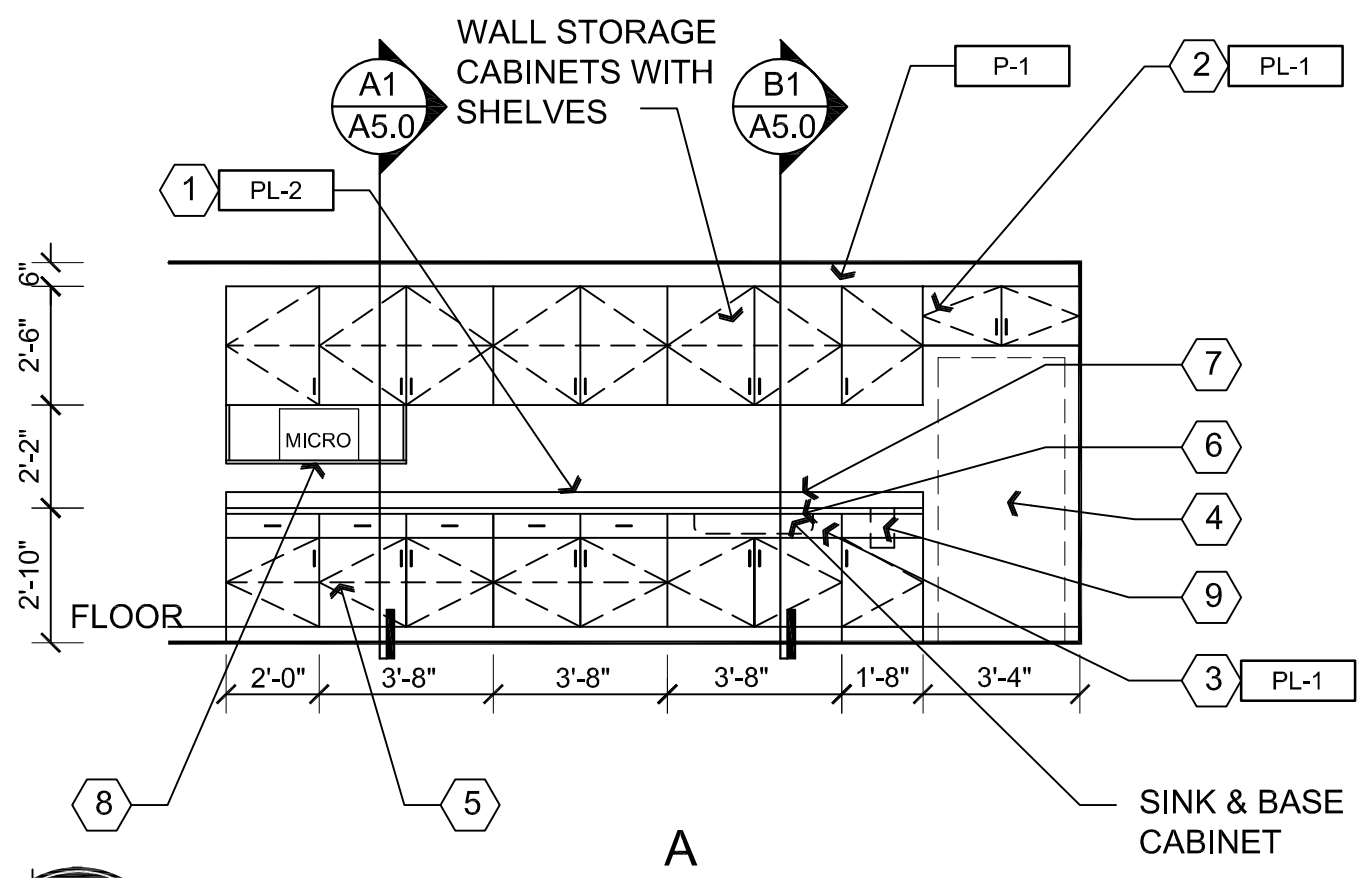
A3.0



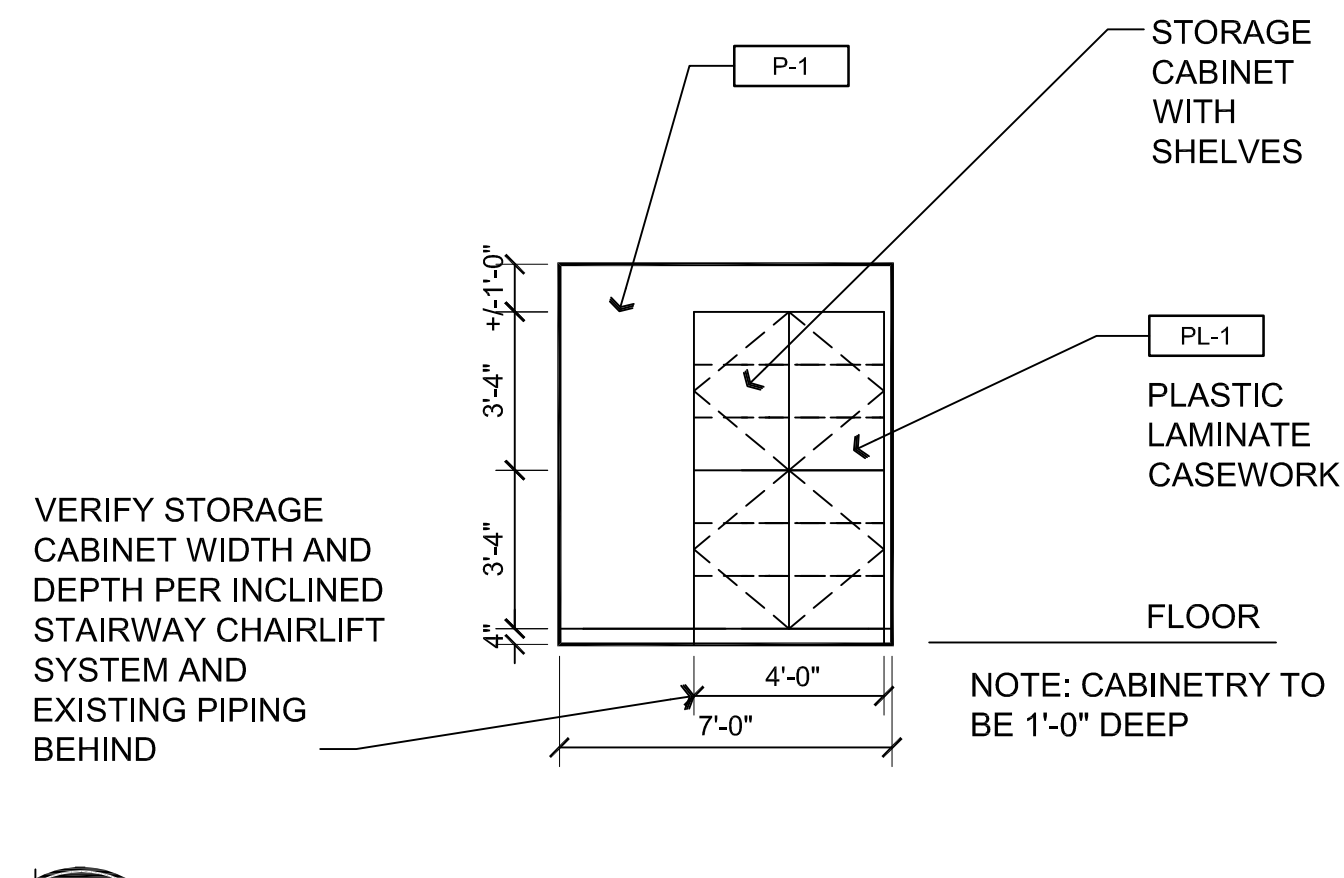
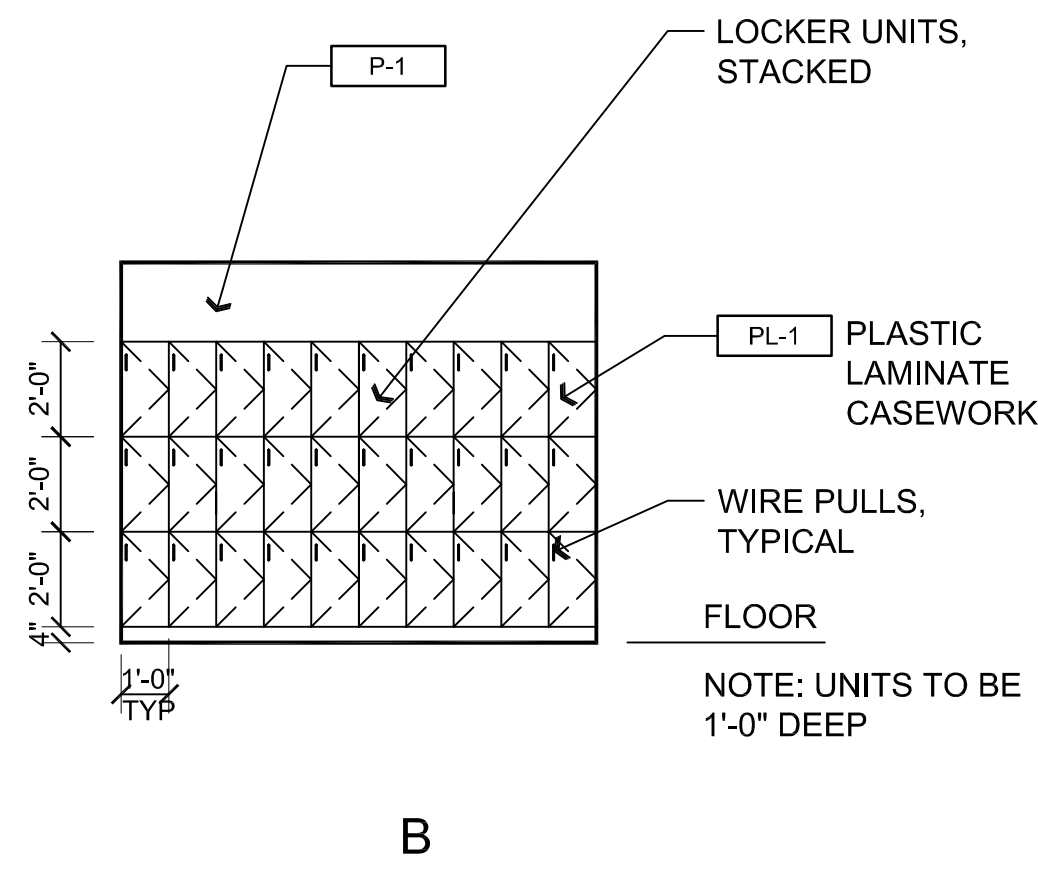
<ol style="list-style-type: none"> 1. DOOR, REFER TO DOOR SCHEDULE. 2. PROVIDE 4'-0" HIGH TILE WAINSCOT, REFER TO ROOM FINISH SCHEDULE. 3. PROVIDE 1-1/2" DIAMETER GRAB BARS PER A.D.A. REQUIREMENTS, 42" LONG & 18" LONG AT SIDE OF WATER CLOSET / 36" LONG AT REAR OF WATER CLOSET. 4. PROVIDE 24" X 36" MIRROR. 5. PROVIDE 'C' FOLD PAPER TOWEL DISPENSER WITH INTEGRAL WASTE BASKET. 6. PROVIDE TOILET PAPER HOLDER. 7. PROVIDE TANK TYPE, WATER CLOSET, REFER TO PLUMBING DRAWINGS. 8. PROVIDE INTEGRAL LAVATORY IN SOLID SURFACE COUNTER TOP, REFER TO PLUMBING DRAWINGS. 9. PROVIDE TILE FLOORING PATTERN , REFER TO ROOM FINISH SCHEDULE AND MAIN LEVEL MENS AND WOMENS ROOMS FOR PATTERN MATCH . 10. PROVIDE ACCESSIBILITY SIGNAGE. 11. PROVIDE SOLID SURFACE COUNTER TOP. 12. PROVIDE HEADRAIL BRACED METAL TOILET PARTITION TO MATCH EXISTING ON LOWER LEVEL. 13. PROVIDE SOAP DISPENSER. 14. PROVIDE WALL HUNG URINAL, REFER TO PLUMBING PLANS. 	<ol style="list-style-type: none"> 15. EXISTING STEEL COLUMN. 16. PROVIDE SANITARY NAPKIN DISPOSAL. 17. PROVIDE DRINKING FOUNTAINS. REFER TO PLUMBING PLANS. 18. PLUMBING WALL- TYP WALL WITH 8" OFFSET STAGGERED STUDS, REFER TO WALL TYPES. <p>TOILET ROOM ACCESSORIES:</p> <p>MODELS ARE AS MANUFACTURED BY GAMCO COMMERCIAL RESTROOM ACCESSORIES.</p> <p>NAPKIN DISPOSERS: GAMCO, MODEL ND-1.</p> <p>MIRRORS: GAMCO, C-SERIES, SIZE AS INDICATED ON PLANS.</p> <p>TOILET PAPER HOLDERS: GAMCO, MODEL TTD-5.</p> <p>GRAB BARS: GAMCO, 1 - 1 1/2" DIAMETER WITH CONCEALED FLANGES IN CONFIGURATIONS SHOWN ON THE DRAWINGS.</p> <p>PAPER TOWEL DISPENSERS: GAMCO, MODEL TW-1.</p>
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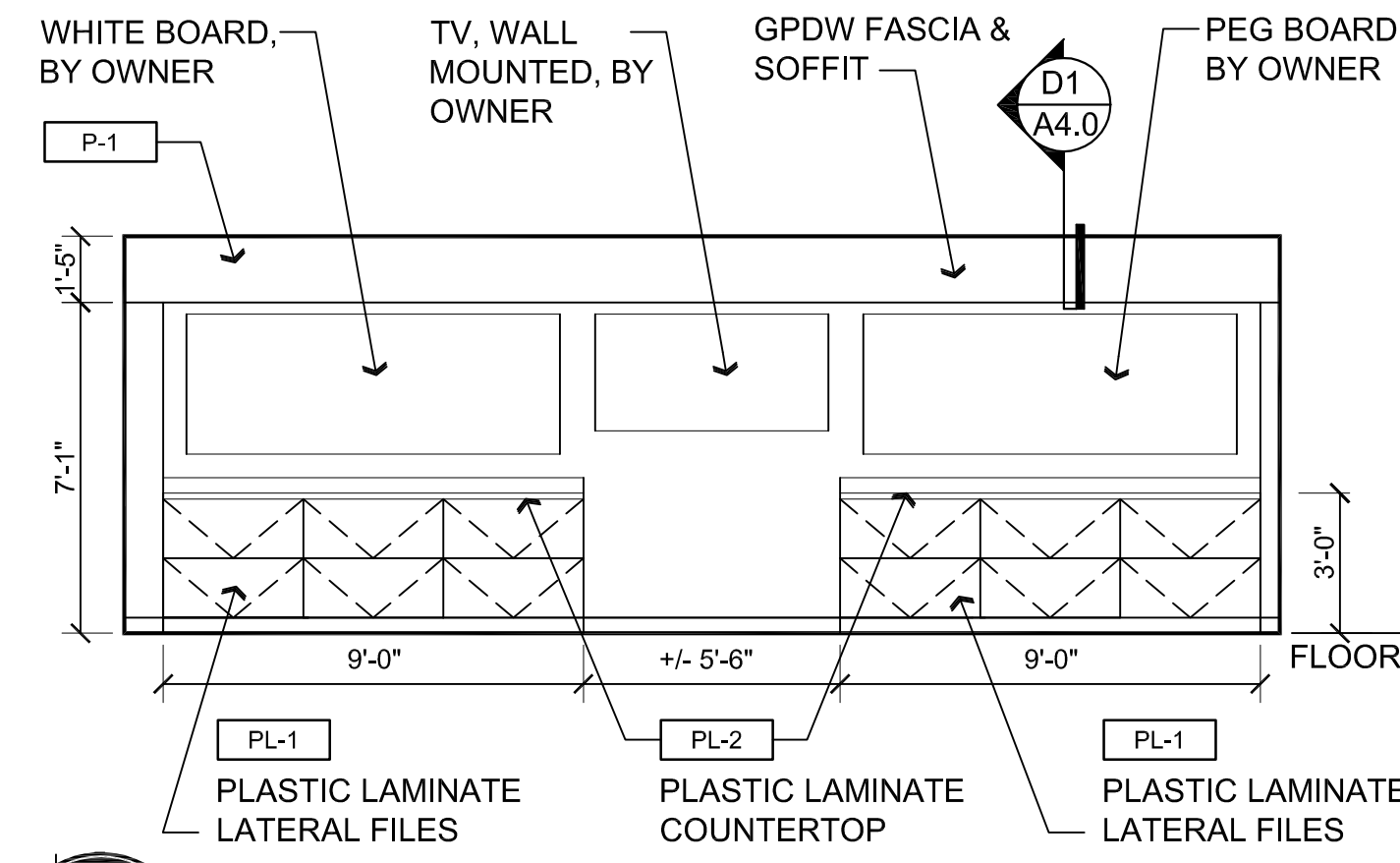
A4.0



A4 Interior Elevations, Room 205



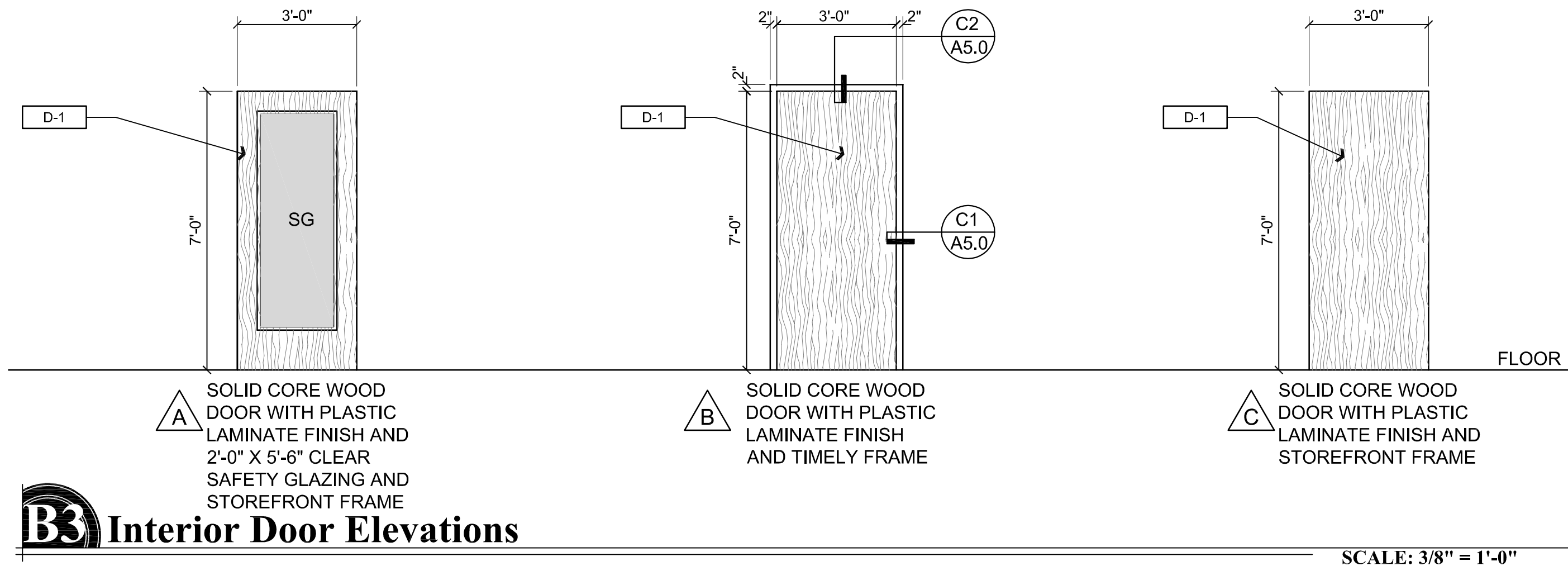
C4 Interior Elevation, Room 204



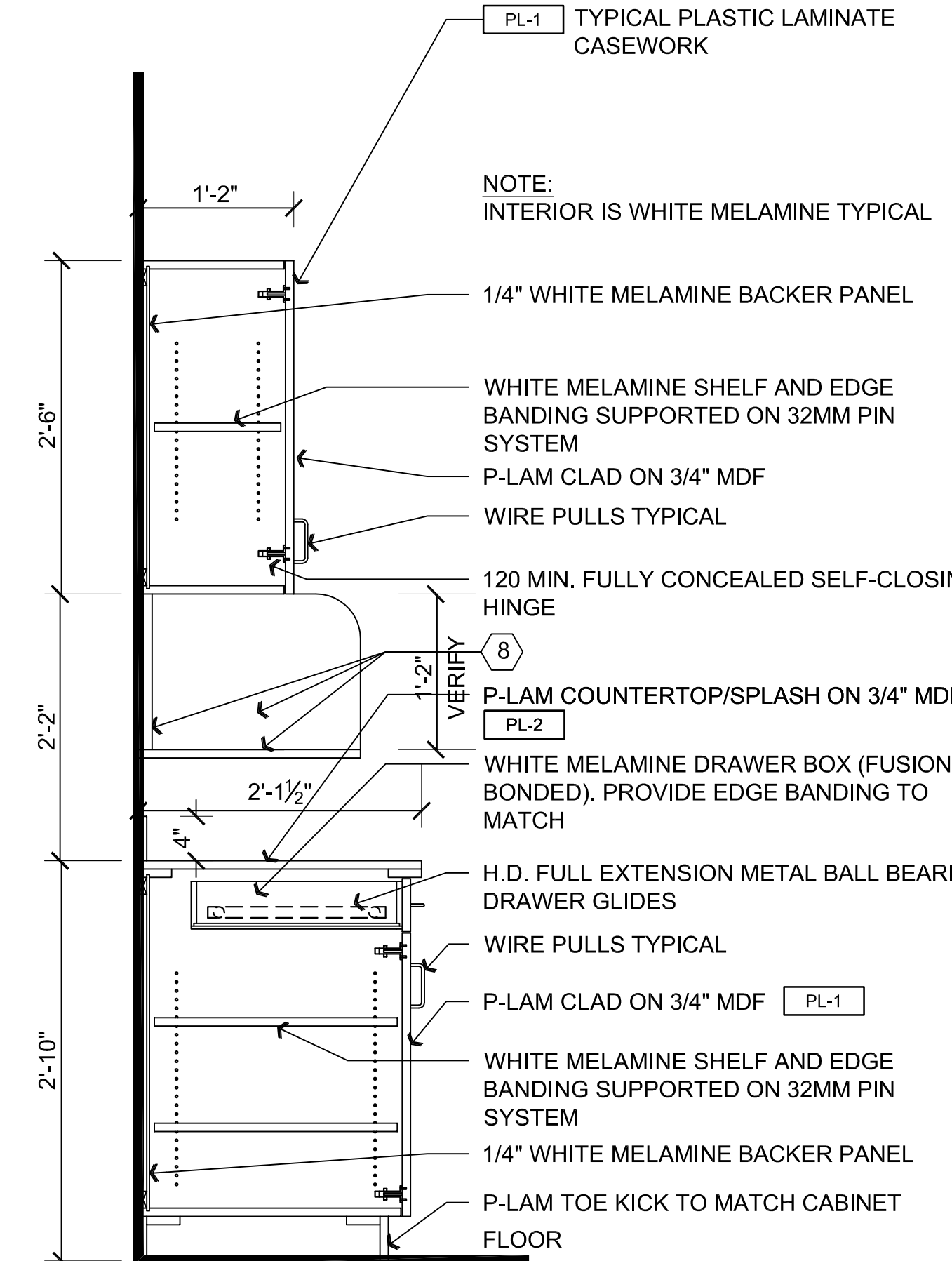
D4 Interior Elevation, Room 201

Descriptive Key Notes:

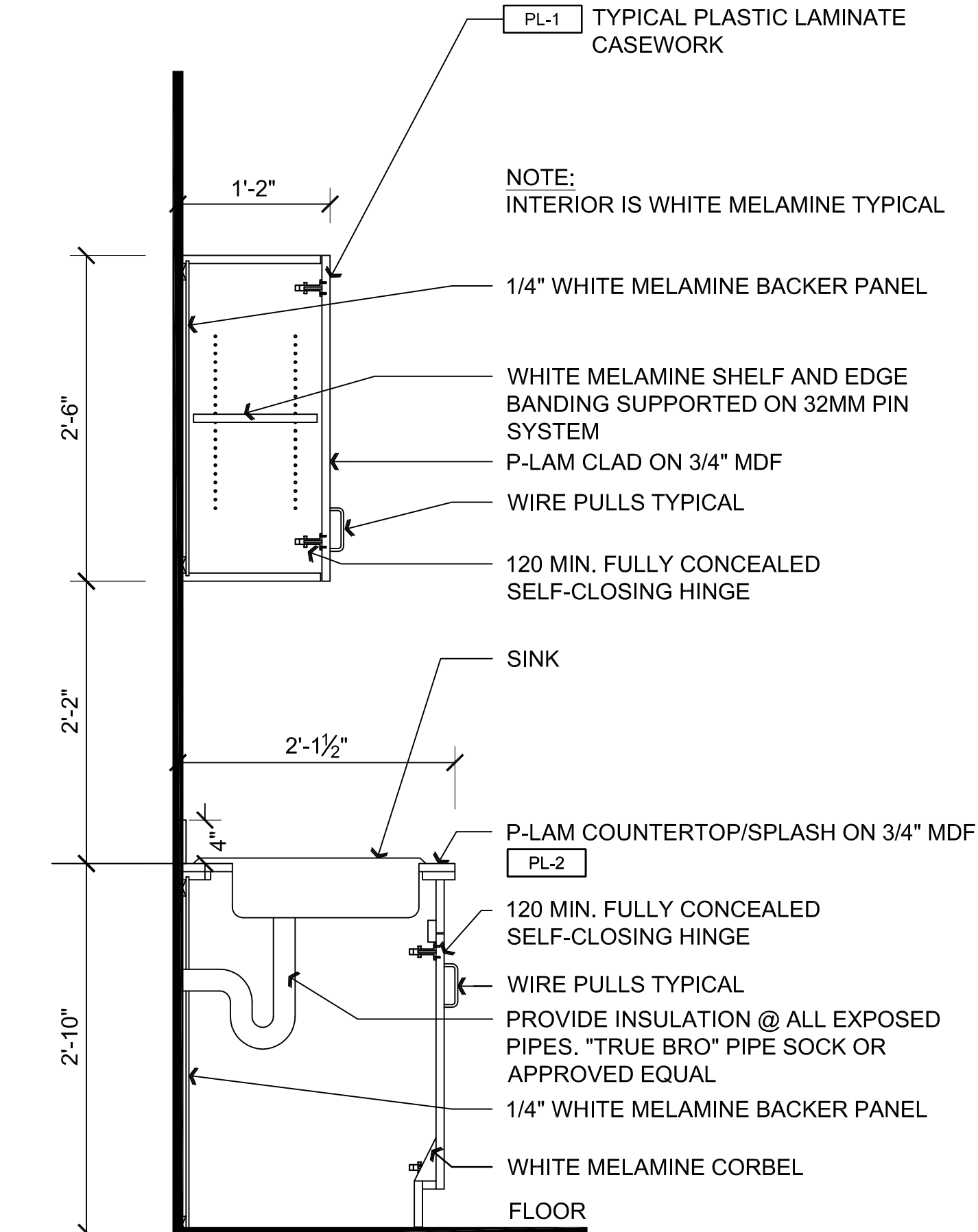
1. PROVIDE PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH
2. PROVIDE PLASTIC LAMINATE UPPER CABINET WITH SHELF, AND WIRE PULLS
3. PROVIDE PLASTIC LAMINATE BASE CABINET WITH SINK, AND WIRE PULLS
4. REFRIGERATOR PROVIDED BY OWNER.
5. PROVIDE BASE CABINET WITH SHELF, DRAWERS, AND WIRE PULLS
6. PROVIDE SINK, REFER TO PLUMBING PLANS
7. PROVIDE PLASTIC LAMINATE BACKSPLASH
8. PROVIDE PLASTIC LAMINATE SUSPENDED SHELF WITH BACK & SIDE RETURNS.
9. PROVIDE METAL TRASH SLEEVE, 6" DIAMETER.



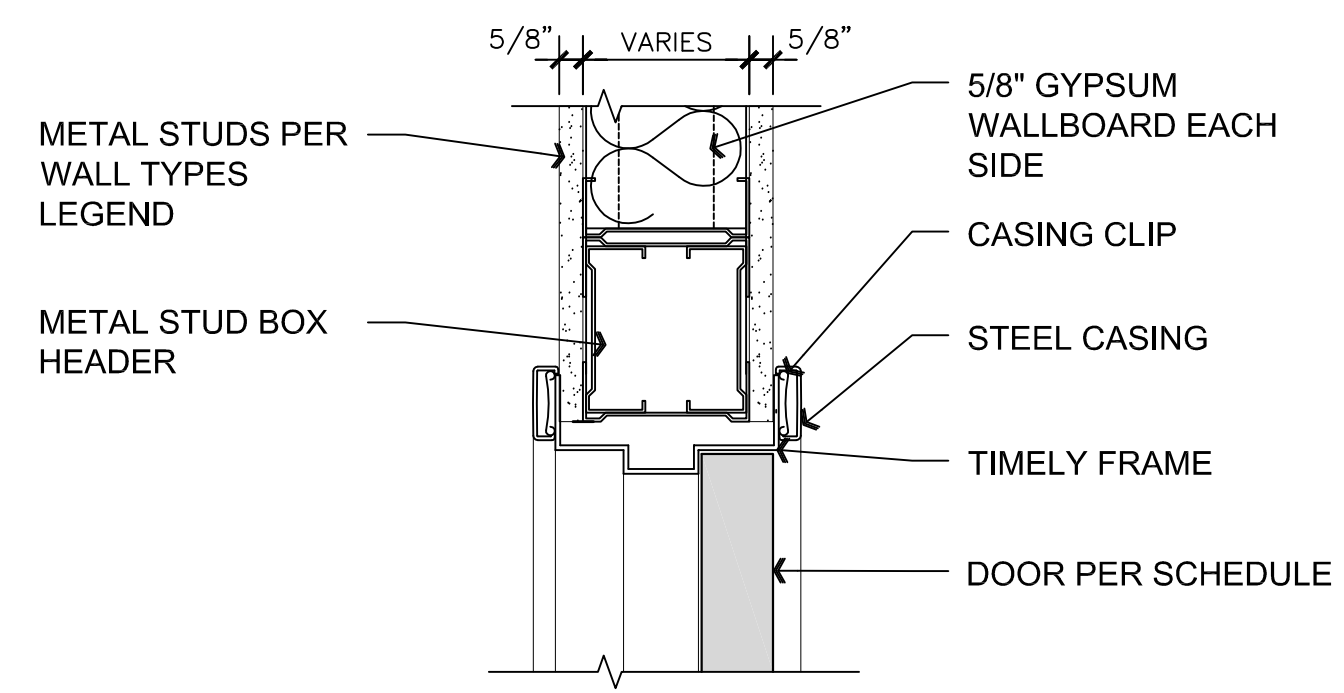
B3 Interior Door Elevations



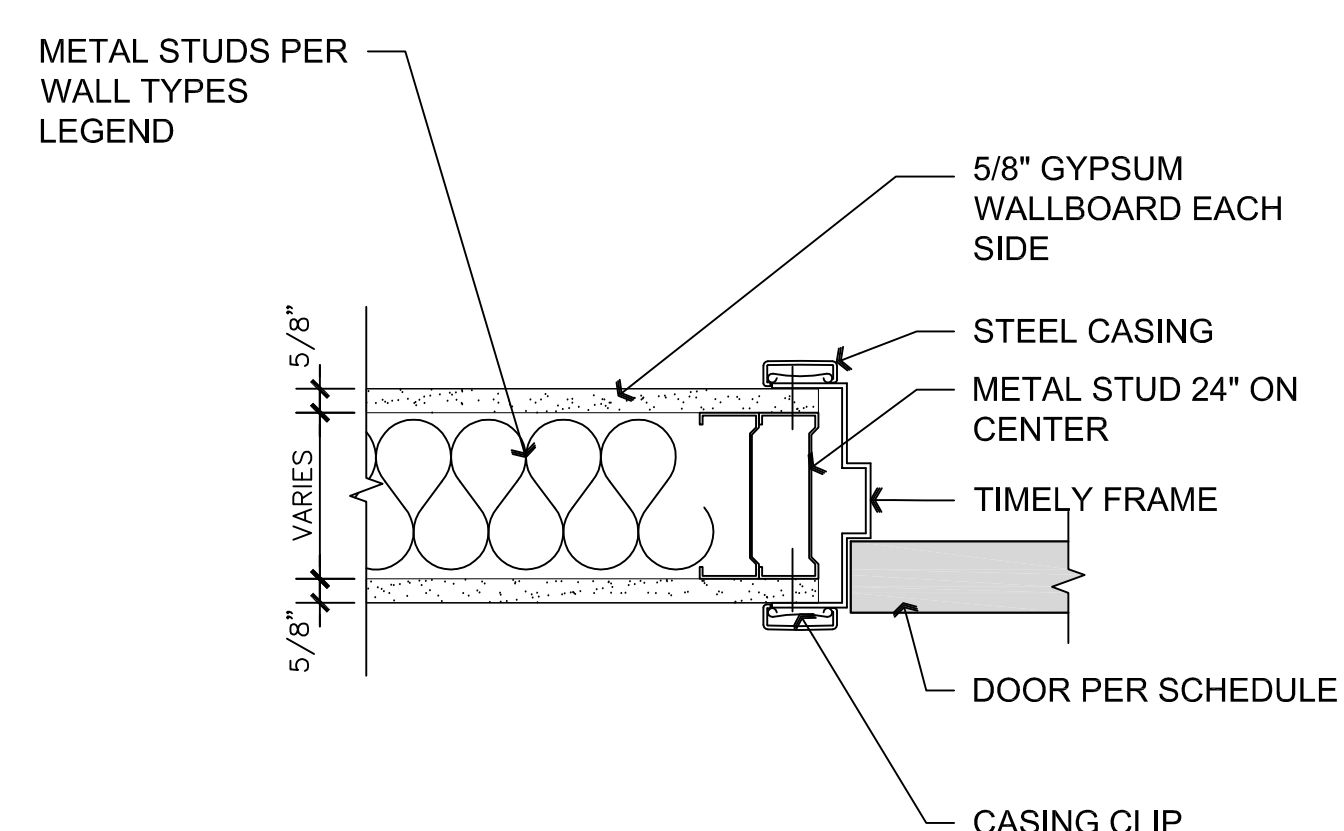
A1 At Drawer Section at Cabinet , Room 205



B1 At Sink Section at Cabinet , Room 205



C2 Door Head Detail



C1 Door Jamb Detail

Door Schedule:

NO.	SIZE	TYPE	DOOR		FRAME		COMMENTS	HARDWARE SET
			MATL.	FINISH	MATL.	FINISH		
201A	3'-0" x 7'-0"	A	WOOD	P-LAM	ALUM	CLEAR	SAFETY GLAZING	1
202A	3'-0" x 7'-0"	B	WOOD	P-LAM	STEEL	PAINT		2
203A	3'-0" x 7'-0"	B	WOOD	P-LAM	STEEL	PAINT		2
205A	3'-0" x 7'-0"	B	WOOD	P-LAM	STEEL	PAINT		3
206A	3'-0" x 7'-0"	B	WOOD	P-LAM	STEEL	PAINT		1
206B	3'-0" x 7'-0"	B	WOOD	P-LAM	STEEL	PAINT		1
207A	3'-0" x 7'-0"	C	WOOD	P-LAM	ALUM	CLEAR		1
208A	3'-0" x 7'-0"	C	WOOD	P-LAM	ALUM	CLEAR		1

NOTE:

1. ALL EXIT DOORS AND HARDWARE SHALL COMPLY WITH THE 2006 I.B.C.
2. DOOR THRESHOLDS SHALL HAVE A MAX HEIGHT OF 1/2" FOR H.C. ACCESSIBILITY. THRESHOLD SHALL HAVE A MAXIMUM RISE OF 1/4" AND 1/2" RISE WHEN BEVELED WITH MAXIMUM 1:2 SLOPE.
3. ALL GLAZING IN DOORS SHALL BE SAFETY GLAZING.
4. ALL INTERIOR DOORS SHALL BE OPERABLE FOR EMERGENCY EXITING PURPOSES WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE NOR EFFORT.
5. ALL GLAZING WITHIN 24" OF OPENINGS SHALL BE SAFETY GLASS.

Door Hardware Set Schedule:

FOR DOOR HARDWARE : MATCH EXISTING ON MAIN LEVEL

DOOR HARDWARE SET: 1
DOOR NUMBERS:

- 201A
 - 206A
 - 206B
 - 207A
 - 208A
- EACH TO HAVE:
- 3 EA HINGES
 - 1 EA ENTRY LOCK
 - 1 EA WALL STOP

DOOR HARDWARE SET: 2
DOOR NUMBERS:

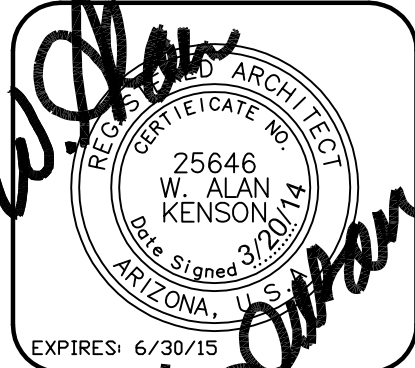
- 202A
 - 203A
- EACH TO HAVE:
- 3 EA HINGES
 - 1 EA PUSH PLATE
 - 1 EA PULL PLATE
 - 1 EA SURFACE CLOSER
 - 1 EA KICK PLATE
 - 1 EA WALL STOP

DOOR HARDWARE SET: 3
DOOR NUMBERS:

- 205A
- EACH TO HAVE:
- 3 EA HINGES
 - 1 EA PASSAGE SET
 - 1 EA SURFACE CLOSER
 - 1 EA FLOOR STOP

REVISIONS	BY

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ARCHITECTURE & PLANNING

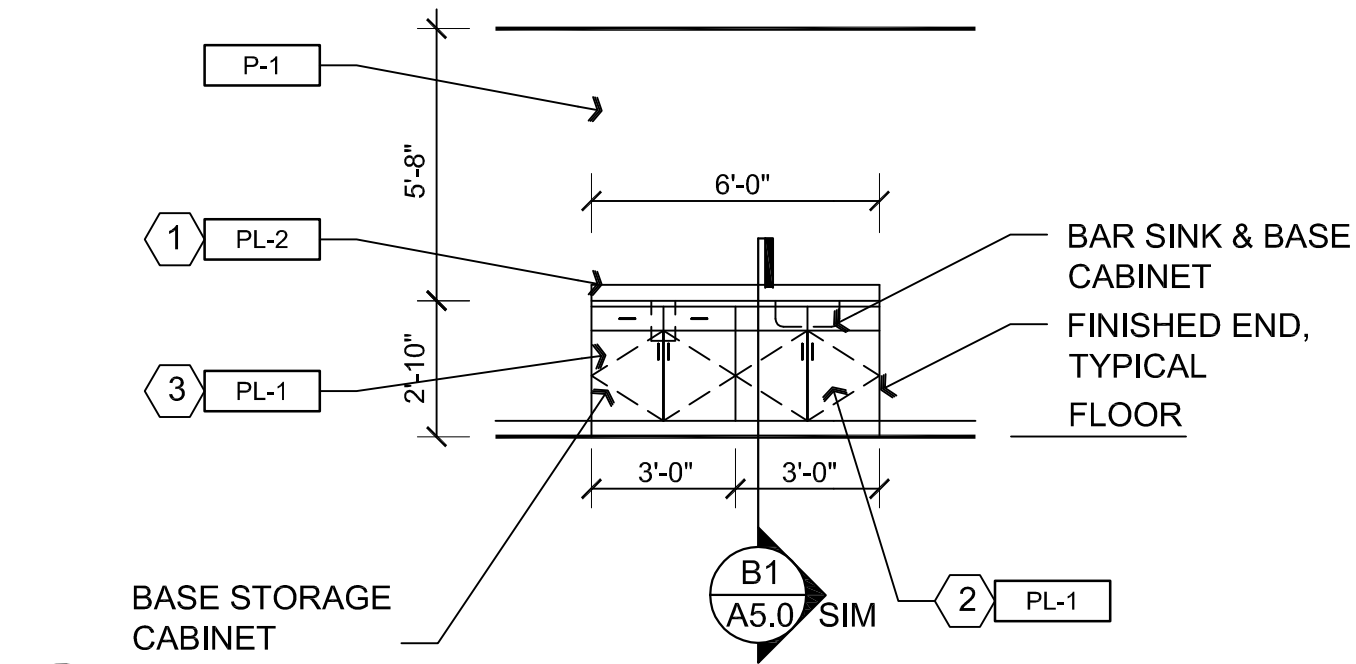
DRAWING: DOOR & WINDOW SCH., ELEV., DETAILS

PROJECT: IMPROVEMENTS FOR: PRESCOTT HONDA 3291 WILLOW CREEK ROAD PRESCOTT, AZ 86301

DRAWN BY JMM
CHECKED BY WAK
DATE 3/20/2014
SCALE AS NOTED
JOB NO. 649
SHEET

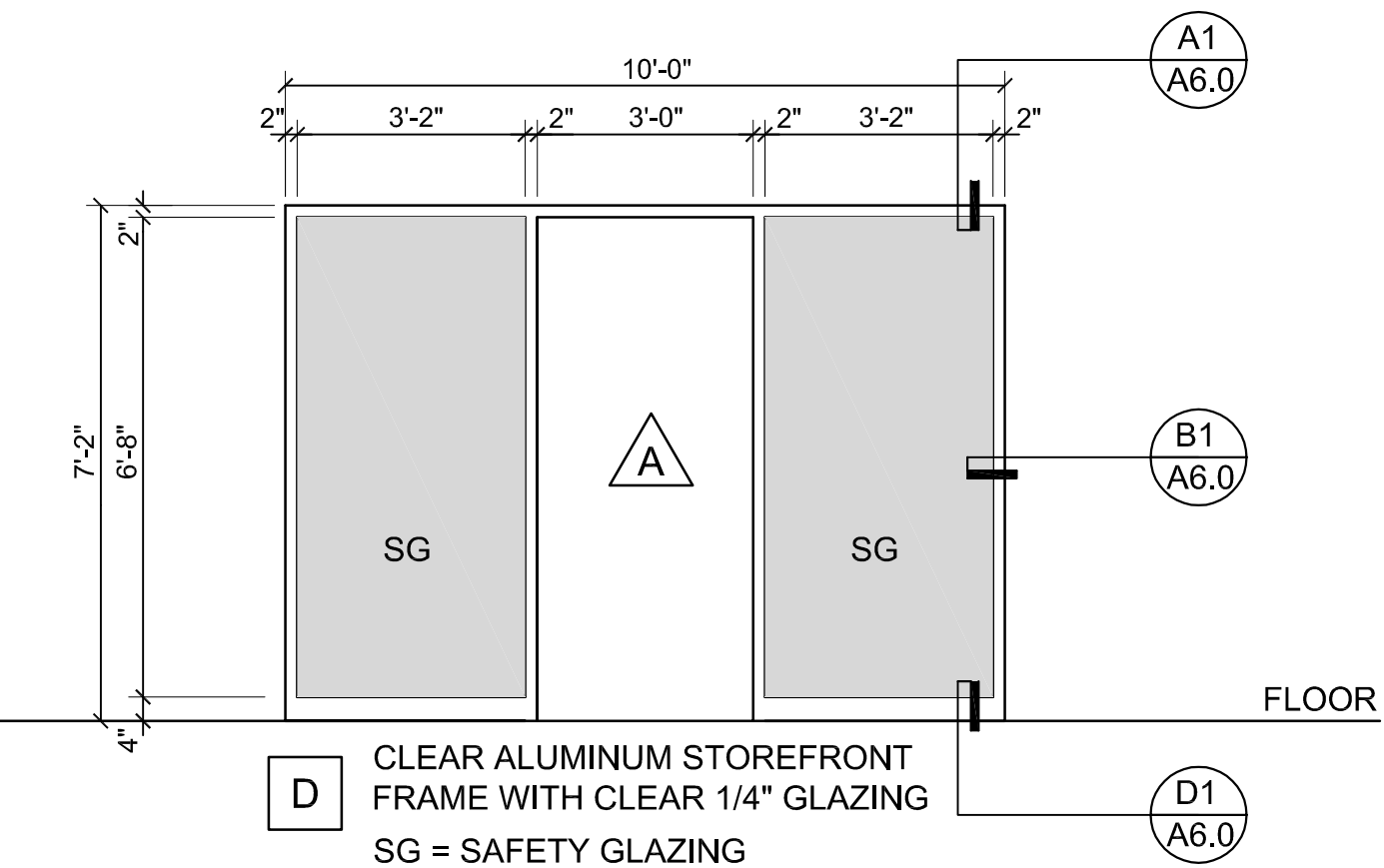
A5.0

- Descriptive Key Notes:**
1. PROVIDE PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH
 2. PROVIDE PLASTIC LAMINATE BASE CABINET WITH DRAWER FRONT , WIRE PULLS, AND BAR SINK - REFER TO PLUMBING PLANS
 3. PROVIDE BASE CABINET WITH DRAWER FRONT, WIRE PULLS AND METAL TRASH SLEEVE INSERT, 6" DIAMETER



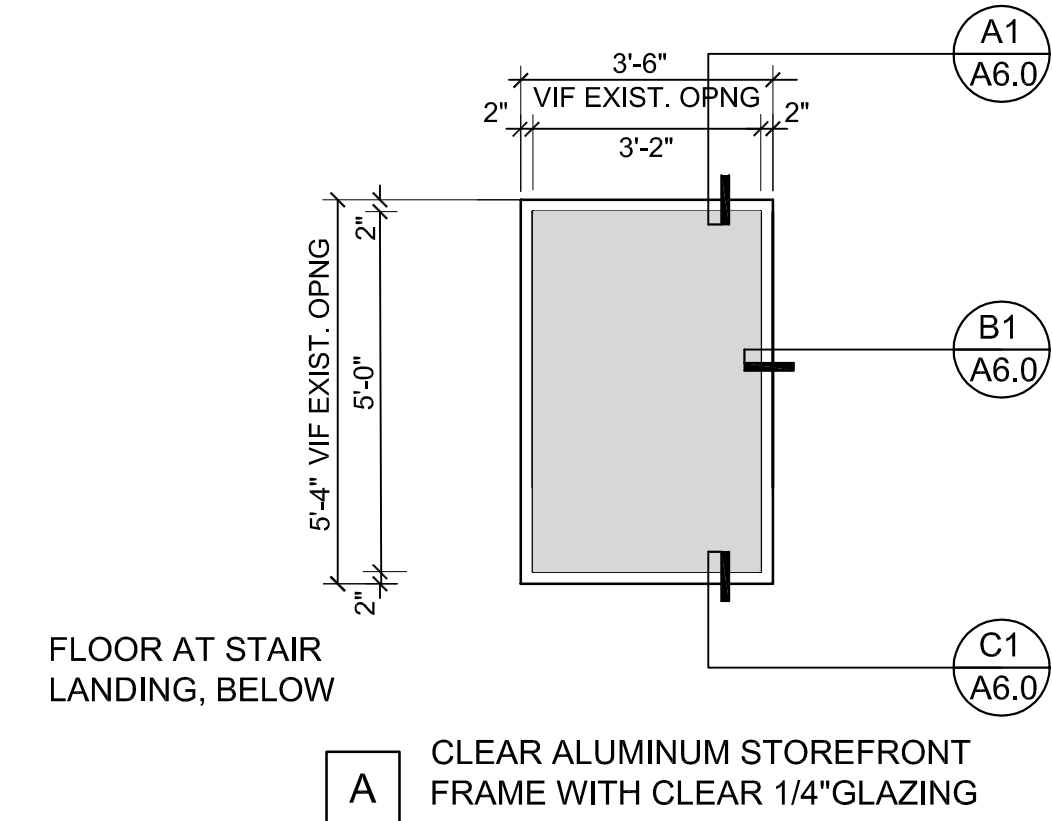
A4 Interior Elevation, Room 201

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



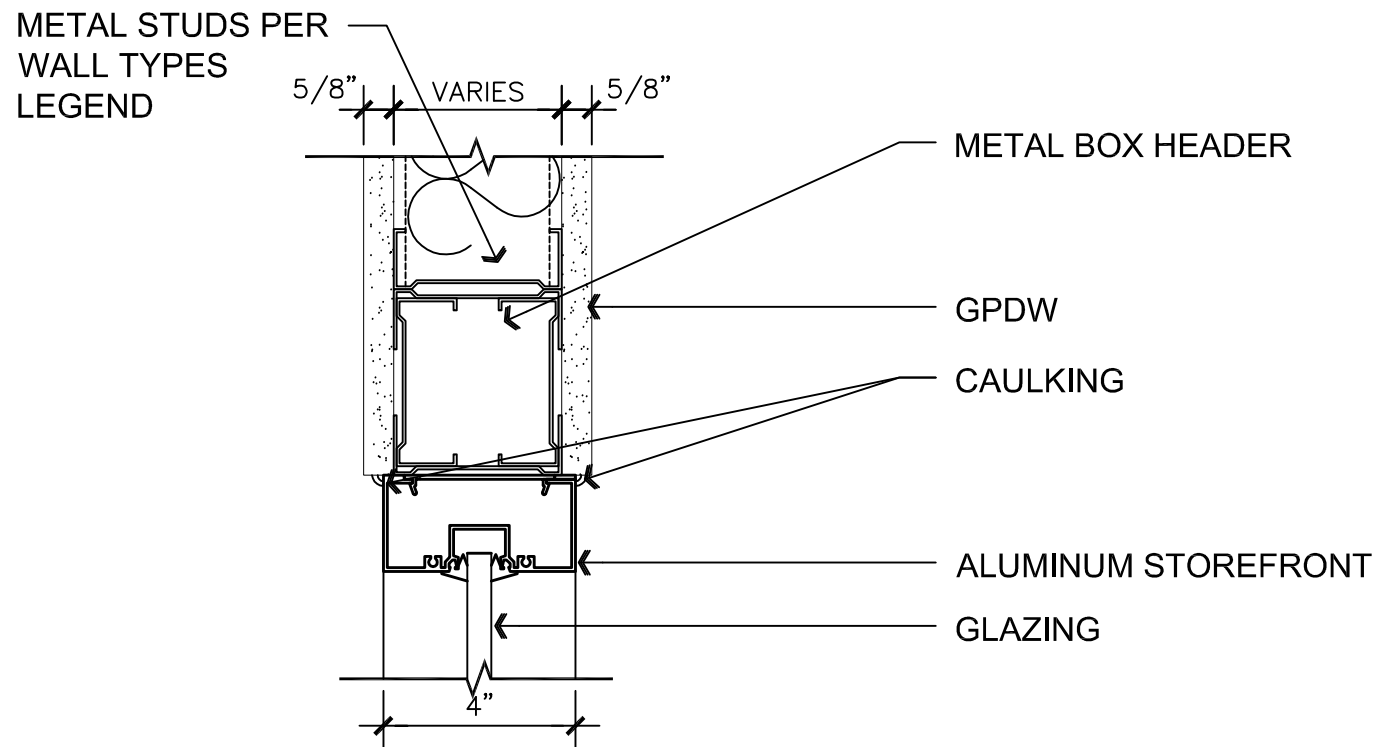
A3 Interior Storefront Window Elevation

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



A2 Interior Storefront Window Elevation

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

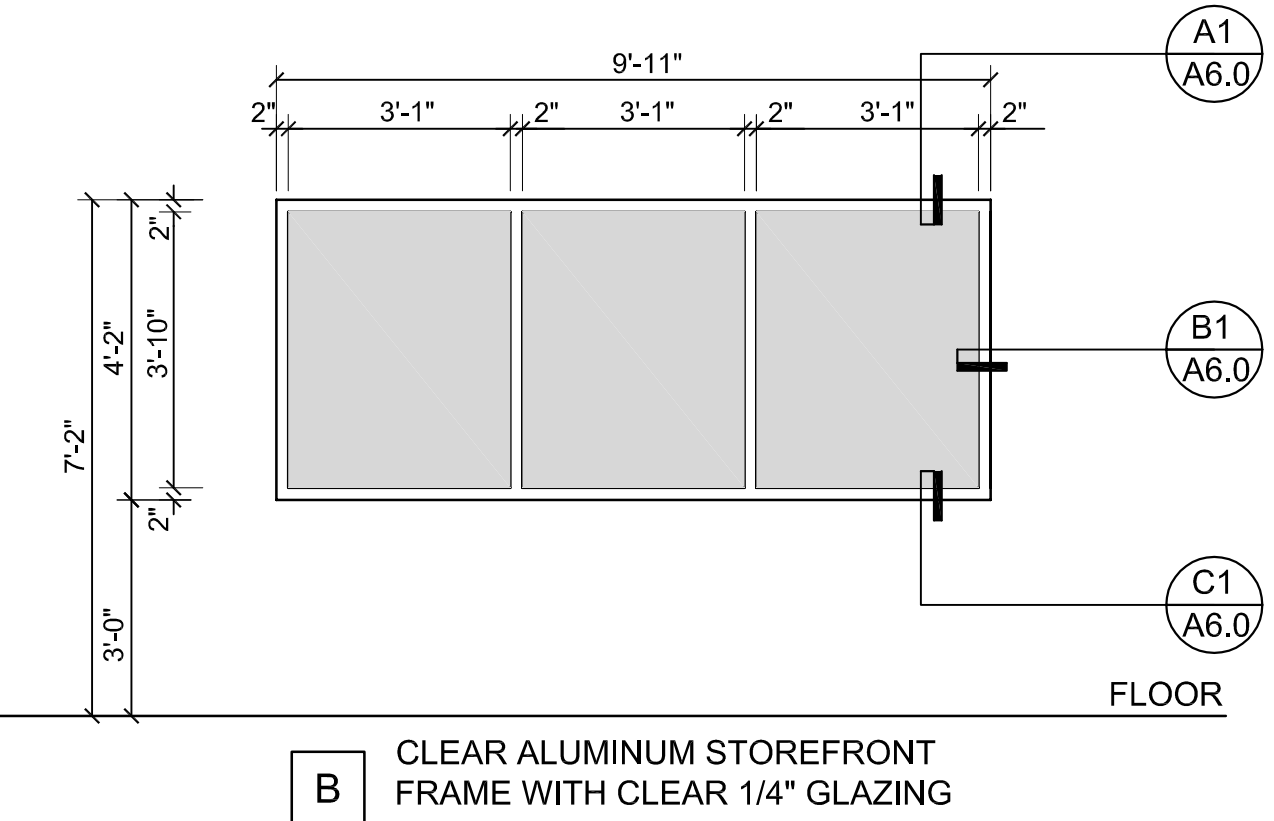


A1 Interior Storefront Window Head Detail

SCALE: 3" = 1'-0"

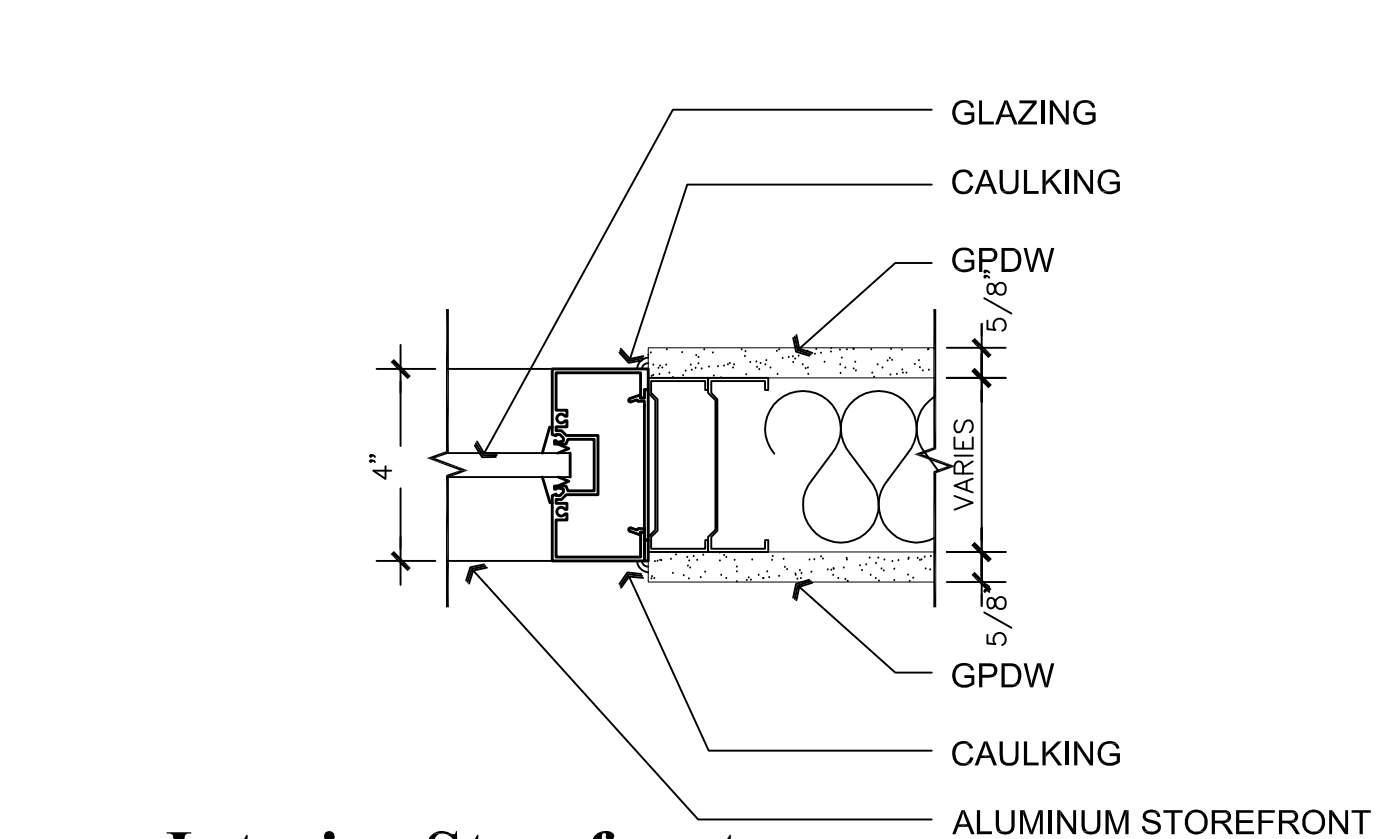
B3 Interior Storefront Window Elevation

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



B2 Interior Storefront Window Elevation

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

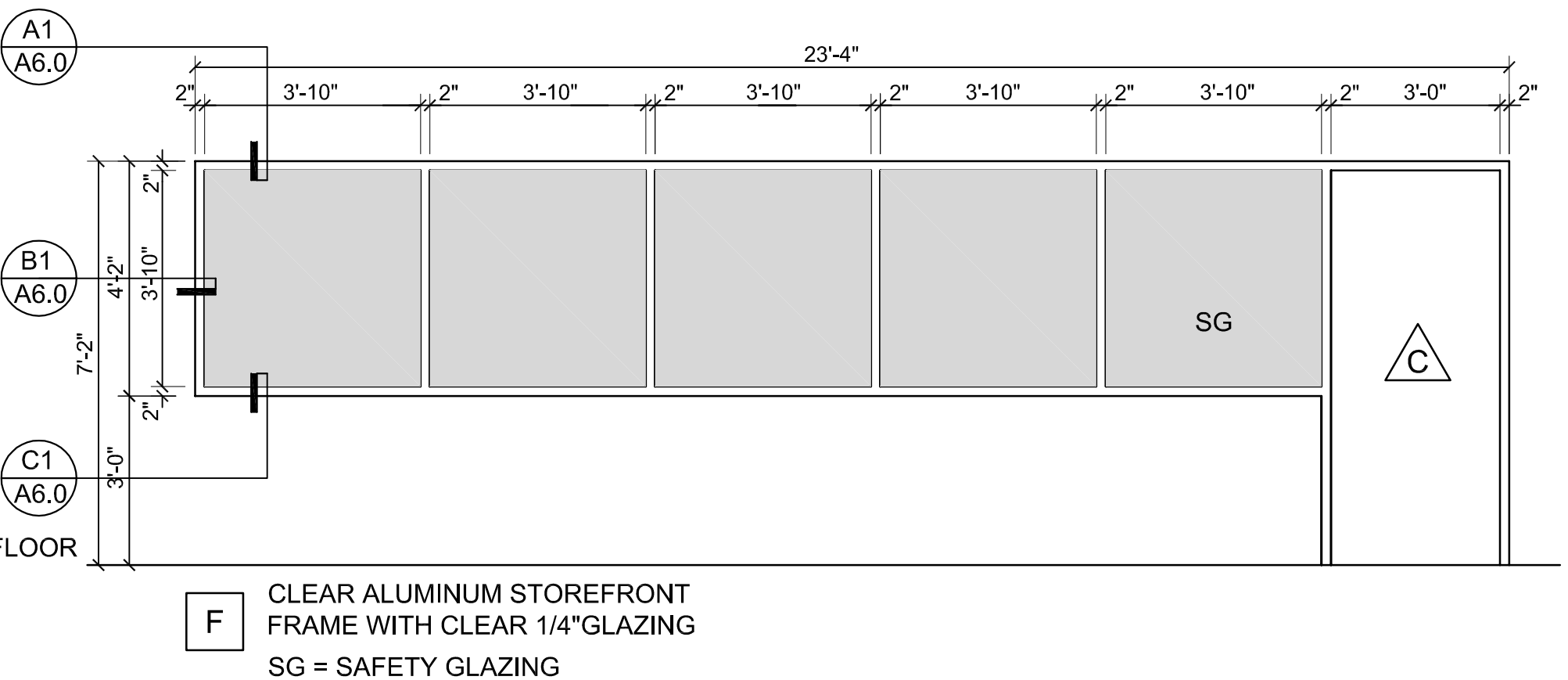


B1 Interior Storefront Window Jamb Detail

SCALE: 3" = 1'-0"

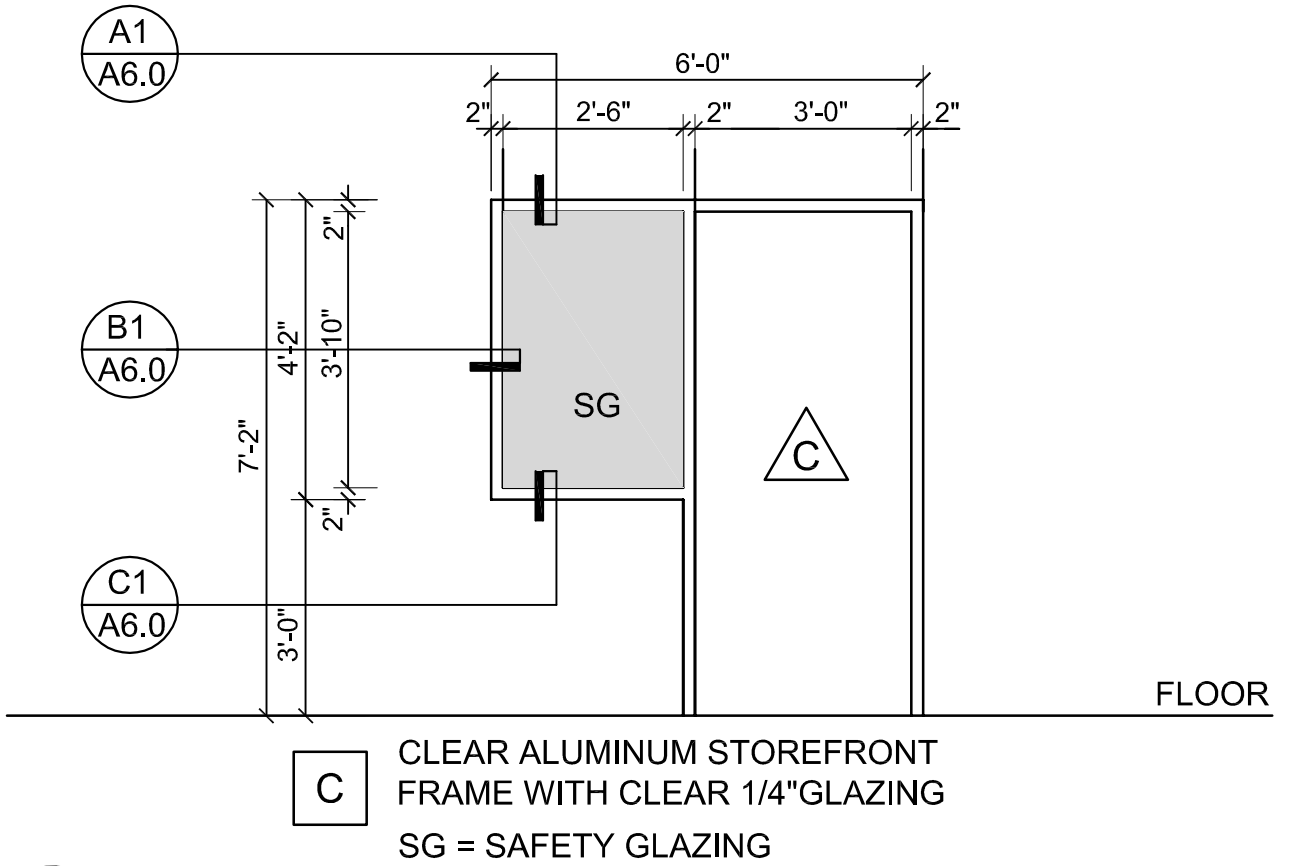
D3 Interior Storefront Window Elevation

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



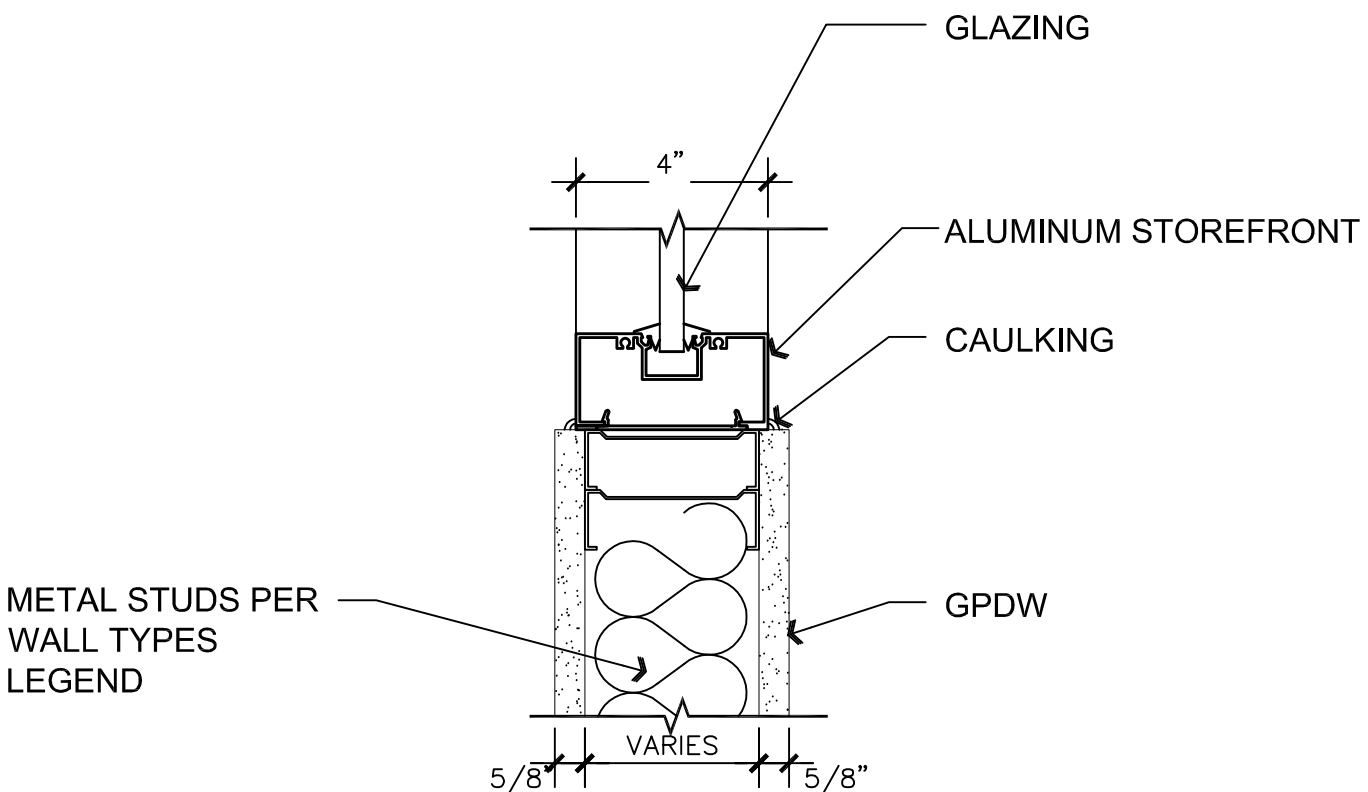
D1 Interior Storefront Window Sill Detail

SCALE: 3" = 1'-0"



C2 Interior Storefront Window Elevation

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

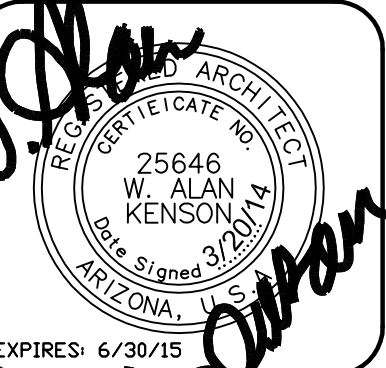


C1 Interior Storefront Window Sill Detail

SCALE: 3" = 1'-0"

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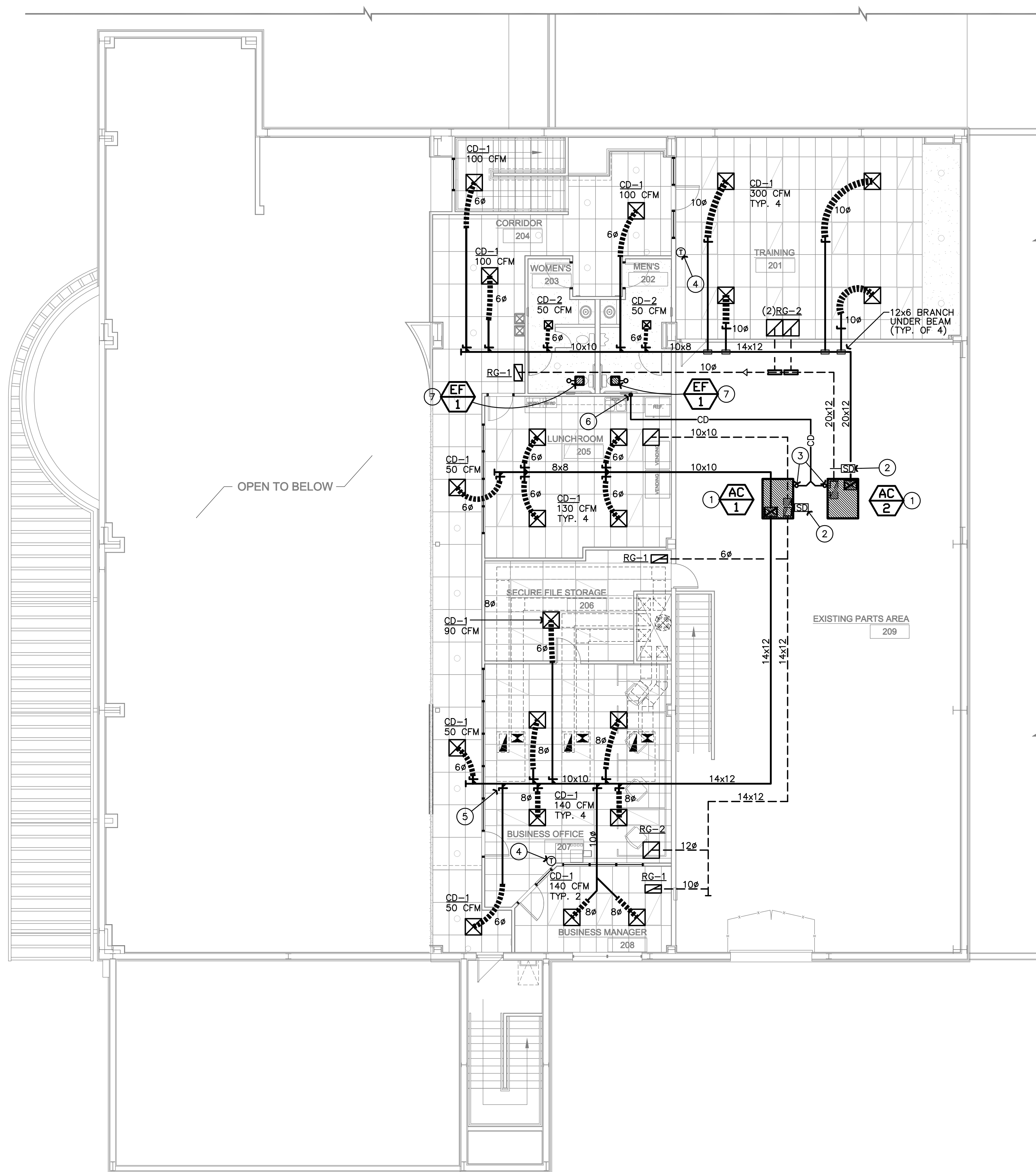
ARCHITECTURE & PLANNING

DRAWING: WINDOW ELEVATIONS, INTERIOR ELEVATIONS, DETAILS

PROJECT: IMPROVEMENTS FOR: PRESCOTT HONDA 3291 WILLOW CREEK ROAD PRESCOTT, AZ 86301

DRAWN BY JMM
CHECKED BY WAK
DATE 3/20/2014
SCALE AS NOTED
JOB NO. 649
SHEET

A6.0



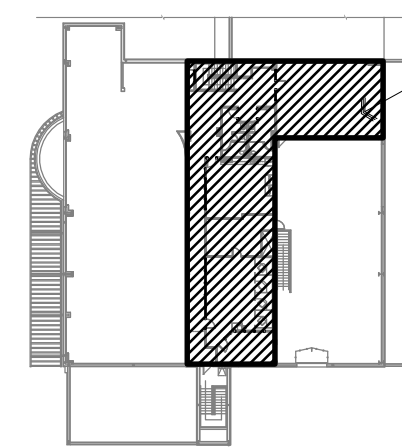
Mechanical Floor Plan - Upper Level

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



KEYNOTES

- NEW GAS-FIRED ROOF MOUNTED A/C ON EXISTING ROOF CURB. EXTEND FULL SIZE SUPPLY AND RETURN AIR DUCTS DOWN THROUGH ROOF AND TRANSITION TO SIZES SHOWN.
- INSTALL SMOKE DETECTOR IN RETURN AIR DUCT FOR AUTO SHUT-OFF UPON DETECTION OF SMOKE AS PER SECTION 606, 2006 IMC. SMOKE DETECTOR SHALL BE DOWN STREAM OF ANY FILTER OR OSA. IF A FIRE ALARM SYSTEM EXISTS, THE DUCT SMOKE DETECTOR(S) SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM (IMC 606.4.1). DETECTOR PROVIDED AND WIRED BY FIRE ALARM CONTRACTOR. DETECTOR SHALL BE WIRED TO SHUT DOWN UNIT UPON DETECTION OF SMOKE PER 2006 IMC 606. PROVIDE DETECTOR TROUBLE INDICATOR (LED) AT CEILING BELOW DETECTOR.
- 3/4" TYPE 'M' COPPER CONDENSATE DRAIN PIPING FROM UNIT DRAIN CONNECTION. SLEEVE DRAIN LINE THROUGH ROOF WITH FLASHING AND SLOPE PIPING AT A MIN. 1/8" PER FOOT AS SHOWN AND ROUTE TO SINK TAILPIECE. PROVIDE VENTED TRAP WITH CLEANOUT AT UNIT CONNECTION AS REQUIRED BY UNIT MANUFACTURER. (TYPICAL)
- HEATING/COOLING PROGRAMMABLE THERMOSTAT ON WALL AT 48" through 54" ABOVE FINISHED FLOOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER.
- BRANCH TAKE-OFFS ABOVE CEILING SHALL BE BELL MOUTH TYPE SPIN-IN FITTINGS WITH BALANCING DAMPER AND FLEX DUCT RUNOUT TO DIFFUSER. BALANCE TO CFM SHOWN. FLEX DUCT SHALL NOT EXCEED 6'-0" IN LENGTH. SIZE TO CORRESPOND WITH INLET NECK OF DIFFUSER. (TYPICAL).
- 3/4" CONDENSATE DRAIN DOWN IN WALL AND TO SINK TAILPIECE.
- CEILING MOUNTED EXHAUST FAN WITH BACK DRAFT DAMPER. TRANSITION EXHAUST DUCT FROM UNIT DISCHARGE AND ROUTE 6" DUCT THROUGH ROOF AND TO ROOF DISCHARGE CAP. MAINTAIN A MINIMUM 10' CLEARANCE FROM ALL OUTSIDE AIR INTAKES. FAN SHALL OPERATE VIA WALL SWITCH.



SCOPE OF WORK - UPPER LEVEL
OFFICE EXPANSION

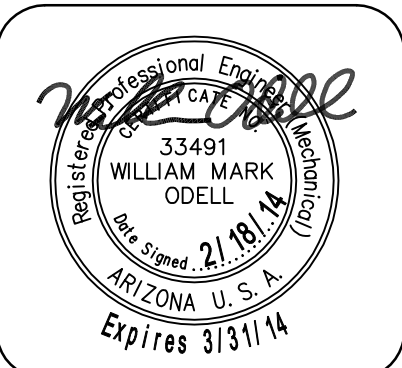
Key Plan - Upper Level



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Project #13138
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DRAWING: MECHANICAL FLOOR PLAN
PROJECT: IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY JWS
CHECKED BY WMO
DATE 12/30/2013
SCALE AS NOTED
JOB NO. 649
SHEET

M1.0

MECHANICAL SPECIFICATIONS

GENERAL REQUIREMENTS

GENERAL PROVISIONS WHICH MAKE SPECIFIC REFERENCE TO ELECTRICAL DIVISION ONLY ARE INCLUDED HEREIN FOR CLARITY AND SIMPLIFICATION OF SPECIFICATIONS WRITING AND ARE NOT PART OF THE MECHANICAL WORK. THE WORK OF DIVISION 15, MECHANICAL, IS SUBJECT TO THE CONDITIONS OF THE CONDITIONS OF THE CONTRACT, DIVISION 1, GENERAL REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF OTHER PORTIONS OF THE CONTRACT DOCUMENTS. EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS AND COORDINATE THE MECHANICAL WORK ACCORDINGLY.

INTENT

IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. SHALL THERE APPEAR TO BE DISCREPANCIES OR QUESTIONS OF INTENT IN THE CONTRACT. DOCUMENTS, REFER THE MATTER TO THE ARCHITECT FOR HIS DECISION BEFORE ORDERING ANY MATERIALS OR EQUIPMENT OR BEFORE THE START OF ANY RELATED WORK. THE DECISION OF THE ARCHITECT SHALL BE FINAL, CONCLUSIVE AND BINDING.

DRAWINGS AND DATA

DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE OF WORK AND TO INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTS, CONDUITS, PIPING AND FIXTURES. THEY ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTINGS OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT PROJECT AND SHALL HAVE OVAL OF ARCHITECT BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS. IF SO DIRECTED BY ARCHITECT, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF WORK. INCLUDE MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION OF A SYSTEM OR PIECE OF EQUIPMENT IN BID PRICE.

CODES

INCLUDE IN WORK, WITHOUT EXTRA COST TO OWNER, LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) REQUIRED TO COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS. DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, ORDINANCES, STANDARDS AND STATUTES. CODES, ORDINANCES, STANDARDS AND STATUTES TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH DRAWINGS OR SPECIFICATIONS. FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS AND CODES ARE MINIMUM REQUIREMENTS:

- A. APPLICABLE CITY, COUNTY, AND STATE MECHANICAL, ELECTRICAL, GAS, PLUMBING, HEALTH AND SANITARY CODES, LAWS AND ORDINANCES.
B. 2009 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS.
C. REGULATIONS, PERMITS, INSPECTIONS: COMPLY WITH ALL APPLICABLE CODED, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE UNIFORM MECHANICAL CODE. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

GENERAL

MATERIALS AND EQUIPMENT STANDARD PRODUCTS OF A REPUTABLE MANUFACTURER REGULARLY ENGAGED IN MANUFACTURE OF THE SPECIFIED ITEMS. WHERE MORE THAN ONE UNIT IS REQUIRED OF ANY ITEM, FURNISHED BY THE SAME MANUFACTURER, EXCEPT WHERE SPECIFIED OTHERWISE. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SHOULD VARIANCE BETWEEN PLANS AND SPECIFICATIONS OCCUR WITH THESE, CONTACT ARCHITECT IMMEDIATELY SO THAT VARIATIONS IN INSTALLATION CAN BE KNOWN BY ALL PARTIES CONCERNED. PROVIDE EQUIPMENT FROM MANUFACTURER WHOSE PRODUCTS HAVE LOCAL REPRESENTATION.

EXECUTION

PROTECT EXISTING ACTIVE SERVICES (WATER, GAS, SEWER, ELECTRIC) WHEN ENCOUNTERED, AGAINST DAMAGE FROM CONSTRUCTION WORK. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES WHICH ARE TO REMAIN. IF WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, CONSULT WITH OWNER AS TO DATES, PROCEDURES, AND ESTIMATED DURATION OF AT LEAST 10 WORKING DAYS IN ADVANCE OF DATE WHEN WORK IS TO BE PERFORMED. ARRANGE WORK FOR CONTINUOUS PERFORMANCE TO ASSURE THAT EXISTING OPERATING SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME REQUIRED TO MAKE NECESSARY CONNECTIONS. IF A SYSTEM CANNOT SHUT DOWN, INSTALL TEMPORARY BYPASSES OR JUMPERS UNTIL CONNECTIONS ARE COMPLETE. CONTRACTOR RESPONSIBLE FOR ALL COSTS INCURRED BY ABOVE SHUTDOWNS, INCLUDING BYPASS OR JUMPER INSTALLATIONS, FOR WORK PERFORMED UNDER THIS SECTION. IF EXISTING ACTIVE UTILITY SERVICES ARE ENCOUNTERED WHICH REQUIRE RELOCATION, MAKE REQUEST TO PROPER AUTHORITIES FOR DETERMINATION OF PROCEDURES. PROPERLY TERMINATE EXISTING SERVICES TO BE ABANDONED IN CONFORMANCE WITH REQUIREMENTS OF AUTHORITIES. WHERE CONNECTIONS OR DISRUPTIONS ARE MADE TO EXISTING SYSTEMS, REACTIVATE, REFILL, AND RECHARGE ALL COMPONENTS AND RESTORE SYSTEMS TO OPERATING CONDITIONS AT TIME OF DISRUPTION.

GUARANTEE

EACH COMPLETE SYSTEM GUARANTEED BY CONTRACTOR FOR A PERIOD OF ONE YEAR, FROM DATE OF ACCEPTANCE OF WORK BY OWNER IN WRITING, TO BE FREE OF DEFECTS OF MATERIALS AND WORKMANSHIP, AND TO PERFORM SATISFACTORILY UNDER ALL CONDITIONS OF LOAD OR SERVICE. THE GUARANTEE PROVIDES THAT ANY ADDITIONAL CONTROLS, PROTECTIVE DEVICES, OR EQUIPMENT BE PROVIDED AS NECESSARY TO MAKE THE SYSTEM OF EQUIPMENT OPERATE SATISFACTORILY, AND THAT ANY FAULTY MATERIALS OR WORKMANSHIP BE REPLACED OR REPAIRED. ON FAILURE OF GUARANTOR TO DO THE ABOVE AFTER WRITTEN NOTICE FROM OWNER, THE OWNER MAY HAVE THE WORK DOWN AT THE COST OF GUARANTOR. LOSS OF REFRIGERANT IS CONSIDERED A DEFECT IN WORKMANSHIP AND/OR EQUIPMENT, TO BE CORRECTED AS REQUIRED AT NO EXTRA COST TO THE OWNER.

PROVIDE EXTENDED FIVE (5) YEAR FACTORY PARTS & LABOR WARRANTY ON ALL AIR CONDITIONING COMPRESSORS.

AIR CONDITIONING, HEATING AND VENTILATING

SCOPE

WORK UNDER THIS SECTION INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE REMODELING, INSTALLATION AND PLACING INTO OPERATION THE HEATING, VENTILATING AND AIR CONDITIONING WORK AS SPECIFIED HEREIN AND INDICATED ON THE DRAWINGS.

VERIFICATION OF DIMENSIONS:

SCALED AND FIGURED DIMENSIONS ARE APPROXIMATE ONLY. BEFORE PROCEEDING WITH WORK, CAREFULLY CHECK AND VERIFY AT THE SITE, AND RESPONSIBLE FOR PROPERLY FITTING EQUIPMENT AND MATERIALS TOGETHER AND TO THE STRUCTURE IN SPACES PROVIDED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. CAREFULLY STUDY DRAWINGS AND PREMISES I ORDER TO DETERMINE BEST METHODS, EXACT LOCATIONS, ROUTES AND BUILDING OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

CUTTING AND PATCHING:

CUT EXISTING WORK AND PATCH AS NECESSARY TO PROPERLY INSTALL THE NEW WORK. AS THE WORK PROGRESSES, LEAVE NECESSARY OPENINGS, HOLES AND CHASES, ETC., IN THEIR CORRECT LOCATIONS. IF THE REQUIRED OPENINGS, HOLES AND CHASES ETC., ARE NOT IN THEIR CORRECT LOCATIONS, MAKE THE NECESSARY CORRECTIONS AT NO COST TO THE OWNER. AVOID EXCESSIVE CUTTING AND DO NOT CUT STRUCTURAL MEMBERS WITHOUT CONSENT OF ARCHITECT.

REGULATIONS, PERMITS & INSPECTIONS

COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE INTERNATIONAL MECHANICAL CODE. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

DUCTWORK

ALL DUCTWORK FABRICATED AS PER LATEST INTERNATIONAL MECHANICAL CODE REQUIREMENTS AND SMACNA MANUAL. EXTENSION OF EXISTING DUCTWORK SHALL BE MADE WITH SOME MATERIAL. DUCTWORK SHALL BE CONSTRUCTED OF NEW HOT-DIPPED GALVANIZED SHEET METAL ASTM A-120 FOR EACH SIDE, WITH 1", 1 1/2 LB. DENSITY DUCT LINER. TAPE ALL CROSS-JOINTS IN SHEET METAL DUCT WITH HARDCAST. TAKE-OFF FITTINGS SHALL BE CONICAL SPIN-IN WITH QUADRANT DAMPER. TURNING VANES SHALL BE INSTALLED IN ALL MITERED ELBOWS.

FLEXIBLE DUCT

FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTION TO AIR DISTRIBUTION DEVICES, BUT SHALL NOT EXCEED 8 FEET IN LENGTH. FLEXIBLE DUCT SHALL HAVE A MINIMUM R-8 INSULATION VALUE.

DUCT INSULATION

DUCT SIZES ON DRAWINGS ARE "CLEAR INSIDE." INCREASE SHEET METAL SIZES ACCORDINGLY FOR LINED DUCTWORK. ADHESIVE AND INSULATING MATERIALS SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS MAXIMUM 25 FOR FLAME SPREAD AND 50 FOR SMOKE DEVELOPED. ADHESIVES SHALL BE WATERPROOF.

DUCT INSULATION SCHEDULE:

CONCEALED RECTANGULAR	LINED OR WRAPPED
CONCEALED ROUND	LINED OR WRAPPED
EXPOSED ROUND (EXCEPT MP ROOM)	UNINSULATED
EXPOSED RECTANGULAR	LINED (FOR SOUND ATTENUATION)

DUCTS IN CONDITIONED SPACE OR UNCONDITIONED SPACE SEPARATED FROM BUILDING EXTERIOR:

RECTANGULAR LINED DUCTWORK - SEMI-RIGID GLASS FIBER INSULATION, 1 1/2 PCF, 1 1/2" THICK, THERMAL CONDUCTIVITY AT 75°. MAXIMUM 0.17 BTU/IN./SQ. FT./DEG./HR. MINIMUM "R-VALUE" SHALL BE 6.0.

WRAPPED DUCTWORK - FIBER GLASS BLANKET WITH FRK VAPOR RETARDING FACING. 1 1/2 PCF, 2" THICK, WITH A MINIMUM INSTALLED "R-VALUE" OF 6.0. (ASSUMES 25% COMPRESSION)

ACCEPTABLE MANUFACTURERS

THE FOLLOWING IS A LIST OF MANUFACTURERS WHOSE EQUIPMENT AND HVAC MATERIALS ARE ACCEPTABLE, SUBJECT TO CONFORMANCE WITH CONTRACT DOCUMENTS. VERIFY THAT THE EQUIPMENT WILL MEET ALL CAPACITIES, SPACE ALLOCATIONS, AND THAT THE WEIGHTS WILL NOT EXCEED STRUCTURAL DESIGN LOADS.

PACKAGED HEAT PUMP: TRANE, CARRIER, RUUD, GOODMAN
GRILLES, REGISTERS, DIFFUSERS: KRUEGER, METAL-AIRE, TITUS,
FLEXIBLE DUCT: GENFLEX, THERMAFLEX, OR EQUIVALENT.

EXHAUST FANS: GREENHECK AND LOREN COOK.
DUCT AND PIPE INSULATION: KNAUF, OWENS-CORNING, MANVILLE, CERTAIN-TEED, PPG.

EXHAUST FANS

SIZE, CAPACITIES, AND TYPE AS INDICATED ON THE DRAWINGS. FURNISH COMPLETE WITH FACTORY CURBS/ROOF CAPS, BAROMETRIC DAMPER, SPEED CONTROL, DISCONNECT, STARTER (IF REQUIRED), AND BIRDSCREEN. PROVIDE CEILING MOUNTED FANS WITH WALL/ROOF CAP.

AIR SYSTEM BALANCING

AIR SYSTEMS AND AIR DISTRIBUTION TEST AND BALANCE. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE SERVICES OF AN INDEPENDENT AIR BALANCE AND TESTING AGENCY. THE AGENCY SHALL BE APPROVED BY THE OWNER AND ARCHITECT. THE TESTING AGENCY SHALL BE ONE WHICH SPECIALIZES IN THE BALANCING AND TESTING OF HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS TO BALANCE, ADJUST AND TEST AIR MOVING EQUIPMENT AND AIR DISTRIBUTING OR EXHAUSTING SYSTEMS AS HEREIN SPECIFIED. ALL WORK SHALL BE DONE UNDER DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL HEATING AND VENTILATING ENGINEER OR AABC OR NEBB CERTIFIED COMPANY. PROVIDE CERTIFIED REPORT.

INSTRUCTIONS/O&M MANUAL

THE CONTRACTOR SHALL INSTRUCT THE OWNER IN THE PROPER OPERATION AND MAINTENANCE OF ALL INSTALLED HVAC EQUIPMENT. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) BOUND OPERATING AND MAINTENANCE MANUALS TO THE OWNER AT THE COMPLETION OF THE PROJECT. THE MANUAL SHALL INCLUDE: CONTROL AND/OR INTERLOCK WIRING DIAGRAMS, SEQUENCE OF OPERATION, PREVENTATIVE MAINTENANCE ITEMS, AND A PARTS LIST WITH THE NOMENCLATURE, MAINTENANCE SCHEDULE, AND NAME, ADDRESS AND PHONE NUMBER OF THE LOCAL PRODUCT REPRESENTATIVE.



PACKAGE ROOFTOP A/C W/ GAS HEAT SCHEDULE

EQUIP. NO.	MANUFACTURER	MODEL NO.	CFM	OSA CFM	EXT. S.P. IN WG	FAN HP	COOLING CAPACITY					HEATING (NAT. GAS)			MCA	VOLTS/ PHASE	MIN. SEER	WEIGHT LBS.	REMARKS
							TOTAL MBH	SENS. MBH	ENT. AIR TEMP		AMB. TEMP	INPUT	OUTPUT	A.F.U.E.					
									DB (F)	WB (F)									
AC-1	TRANE	4YCC3048	1600	—	0.4	3/4	45.2	41.8	80	62	95	75.0	60.0	80%	33.1	208/230-1	13	645	①②③④⑤⑥
AC-2	TRANE	4YCC3048	1600	—	0.4	3/4	45.2	41.8	80	62	95	75.0	60.0	80%	33.1	208/230-1	13	645	①②③④⑤⑥

- ① PROVIDE WITH ROOF CURB SLOPED TO MATCH ROOF SLOPE. PROVIDE 5-YEAR COMPRESSOR WARRANTY.
- ② EXTEND FULL SIZE TYPE "L" COPPER CONDENSATE DRAIN FROM UNIT THROUGH ROOF AND SLOPE @ 1/8" PER FT. TO LAVATORY TAILPIECE OR MOP SINK. SEE PLAN FOR ROUTING.
- ③ PROVIDE CLEARANCES AS PER MANUFACTURERS REQUIREMENTS.
- ④ PROVIDE PROGRAMMABLE THERMOSTAT.
- ⑤ PROVIDE OUTSIDE AIR INTAKE WITH BAROMETRIC OR MOTORIZED DAMPER. OUTSIDE AIR DAMPER SHALL CLOSE WHEN UNIT IS OFF.
- ⑥ INSTALL SMOKE DETECTOR IN RETURN AIR DUCT FOR AUTO SHUT-OFF OF ALL UNITS IN SYSTEM UPON DETECTION OF SMOKE, AS PER 2006 IMC, SECTION 606.



EXHAUST FAN SCHEDULE

MARK	SERVES	MANUF.	MODEL	CFM	E.S.P. (in. wg)	MOTOR		DRIVE	SONES	WEIGHT LBS	REMARKS
						HP OR WATTS	V/PH				
1	TOILETS	GREENHECK	SP-A190	150	0.25	113 W	120/1	DIRECT	2.5	17	①②

- ① PROVIDE ROOF DISCHARGE CAP WITH FLASHING FLANGE SUITABLE FOR ROOF CONSTRUCTION.
- ② FAN SHALL BE INTERLOCKED WITH LIGHTS.

GRILLES/REGISTERS/DIFFUSERS SCHEDULE

MARK	DESCRIPTION	MODULE SIZE	TYPE	OBD	FRAME ①	MATERIAL	FINISH	MANUF.	MODEL	REMARKS
CD-1	SUPPLY DIFFUSER	24" x 24"	SQUARE CEILING	NO	LAY-IN	STEEL	WHITE	TITUS	TMS	②
CD-2	SUPPLY DIFFUSER	8" x 8"	SQUARE CEILING	YES	SURFACE	STEEL	WHITE	TITUS	TDC	②
RG-1	RETURN GRILLE	24" x 12"	PERF.	NO	LAY-IN	STEEL	WHITE	TITUS	PAR	②③
RG-2	RETURN GRILLE	24" x 24"	PERF.	NO	LAY-IN	STEEL	WHITE	TITUS	PAR	②③

- ① PROVIDE FRAME STYLE TO SUIT CEILING TYPE. REFER TO ARCHITECTURAL DRAWINGS.
- ② RUN OUT SIZE SHALL BE AS SHOWN ON PLANS.
- ③ PROVIDE LINED PLENUM BOX.

SUPPLY DIFFUSER SCHEDULE:

250 CFM AND BELOW 8"ø NECK
251 CFM- 400 CFM 10"ø NECK
401 CFM- 600 CFM 12"ø NECK
601 CFM- 800 CFM 14"ø NECK

DUCT CONSTRUCTION NOTES

1 - ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH "ASHRAE GUIDE" AND "SMACNA STANDARDS" AND IN CONFORMANCE WITH REQUIREMENTS OF LOCAL BUILDING, MECHANICAL AND ENERGY CONSERVATION CODES. WHERE MORE THAN ONE REGULATION OR CODE APPLIES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

2 - FLEXIBLE DUCTWORK SHALL COMPLY WITH THE CLASS I REQUIREMENTS OF THE NFPA BULLETIN NO. 90A AND SHALL BE INSULATED WITH 1" FIBERGLASS, SUPPORTED BY HELICALLY WOUND STEEL WIRE WITH REINFORCED METALIZED OUTER JACKET RATED FOR USE IN PLENUMS. ATTACHMENT SHALL BE WITH WORM DRIVE CLAMPS. LENGTH SHALL NOT EXCEED 6'-0"

3 - PROVIDE MANUAL BALANCING DAMPER AT EACH BRANCH DUCT TAKE OFF.

4 - ALL DUCTWORK JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTION ON DUCTWORK SHALL BE LISTED AND LABELED BY UL 181A OR 181B TAPES AND MASTICS.

5 - PROVIDE RADIUS ELBOWS, TURNING VANES, AND SPLITTER DAMPERS IN BRANCHES AND EXTRACTORS WHERE APPLICABLE.

6 - TURNING VANES SHALL BE INSTALLED IN ALL MITERED ELBOWS.

7 - TAKE-OFF FITTINGS SHALL BE CONICAL SPIN-IN TYPE WITH QUADRANT DAMPER.

8 - BRANCH DUCT SERVING DIFFUSERS SHALL BE SAME SIZE AS NECK DIAMETER.

9 - ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS. IF DUCT LINER IS USED FOR INSULATION, CONTRACTOR SHALL INCREASE DUCT SIZE ACCORDINGLY.

10 - HANGERS FOR SHEET METAL DUCTWORK SHALL BE INSTALLED AS REQUIRED BY 2006 IMC.

11 - ALL EXPOSED SPIRAL DUCTWORK, REGISTERS AND GRILLES LOCATED IN SHOWROOM SHALL BE PAINTED "HONDA BLUE".

GENERAL REQUIREMENTS

1 - PITCH CONDENSATE DRAIN LINE 1/8" PER 12" RUN TOWARDS TERMINATION. INSULATE IN CONDENSATE DRAIN LINE WITH 3/8" CLOSED CELL "ARMIFLEX" TUBE INSULATION, TO PREVENT CONDENSATE DRIP.

2 - THE CONTRACTOR SHALL DO ALL NECESSARY CUTTING OF WALLS AND CEILING. NO STRUCTURAL MEMBER SHALL BE CUT WITHOUT PERMISSION FROM THE ARCHITECT. PATCH AROUND ALL OPENINGS TO MATCH EXISTING CONSTRUCTION.

3 - PRIOR TO THE CONTRACTOR ORDERING OR SETTING ANY AIR CONDITIONING EQUIPMENT, DUCTWORK, OR AIR DEVICE, HE SHALL VERIFY LOCATION OF PLACEMENT WITH STRUCTURAL DRAWINGS AND CONFIRM WEIGHTS, DISCHARGE CONFIGURATION, SIZES, ELECTRICAL CHARACTERISTICS AND ANY OTHER DIMENSIONAL DATA WHICH MIGHT AFFECT THE SUCCESSFUL INSTALLATION OF THE EQUIPMENT.

4 - KEEP ALL VENTS THROUGH ROOF AND EXHAUST DISCHARGE DUCTS A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES OR WINDOWS AND FROM ALL VERTICAL PORTIONS OF THE BUILDING.

5 - UPON COMPLETION AND TESTING OF AIR CONDITIONING EQUIPMENT, THE CONTRACTOR SHALL REPLACE ALL CONSTRUCTION AIR FILTERS WITH NEW FILTERS OF THE SIZED SPECIFIED BY THE MANUFACTURER.

COORDINATION NOTES

1 - COORDINATE OPENING'S FOR GRILLES, REGISTERS, DIFFUSERS AND DUCTWORK WITH FRAMING CONTRACTOR PRIOR TO ROUGH-IN.

2 - COORDINATE EXACT LOCATION OF ALL GRILLES, REGISTERS AND DIFFUSERS WITH ARCHITECTURAL PLANS.

3 - LIGHTING & SPRINKLER HEADS TAKE PRECEDENCE OVER DIFFUSER LOCATION. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO DIFFUSERS TO AVOID ANY CONFLICT WITH LIGHTING LAYOUT & SPRINKLER HEADS.

4 - CONTRACTOR TO COORDINATE ALL FINAL THERMOSTAT LOCATIONS WITH OWNER & ARCHITECT PRIOR TO MOUNTING.

5 - ALL THERMOSTATS ARE TO BE MOUNTED AT A HEIGHT OF 48" TO 54" ABOVE THE FLOOR LEVEL FOR DISABLED ACCESS.



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Project
#13138

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MECHANICAL DETAILS AND SCHEDULES

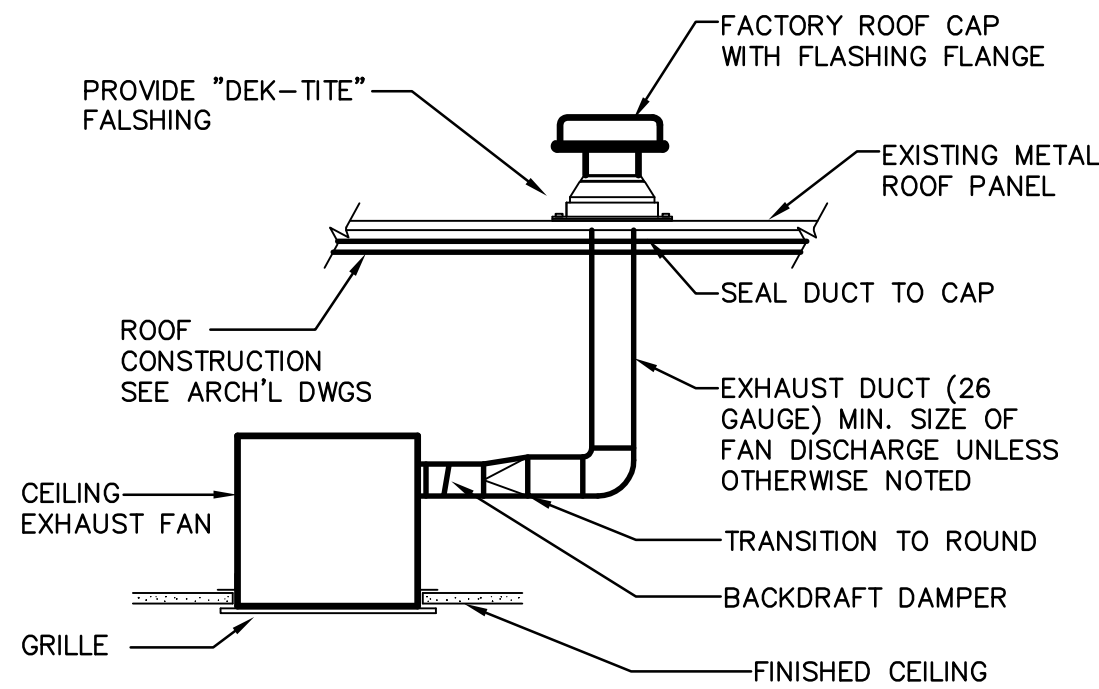
DRAWING:

PROJECT:

IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY JWS
CHECKED BY WMO
DATE XX/XX/2013
SCALE AS NOTED
JOB NO. 649
SHEET

M2.0

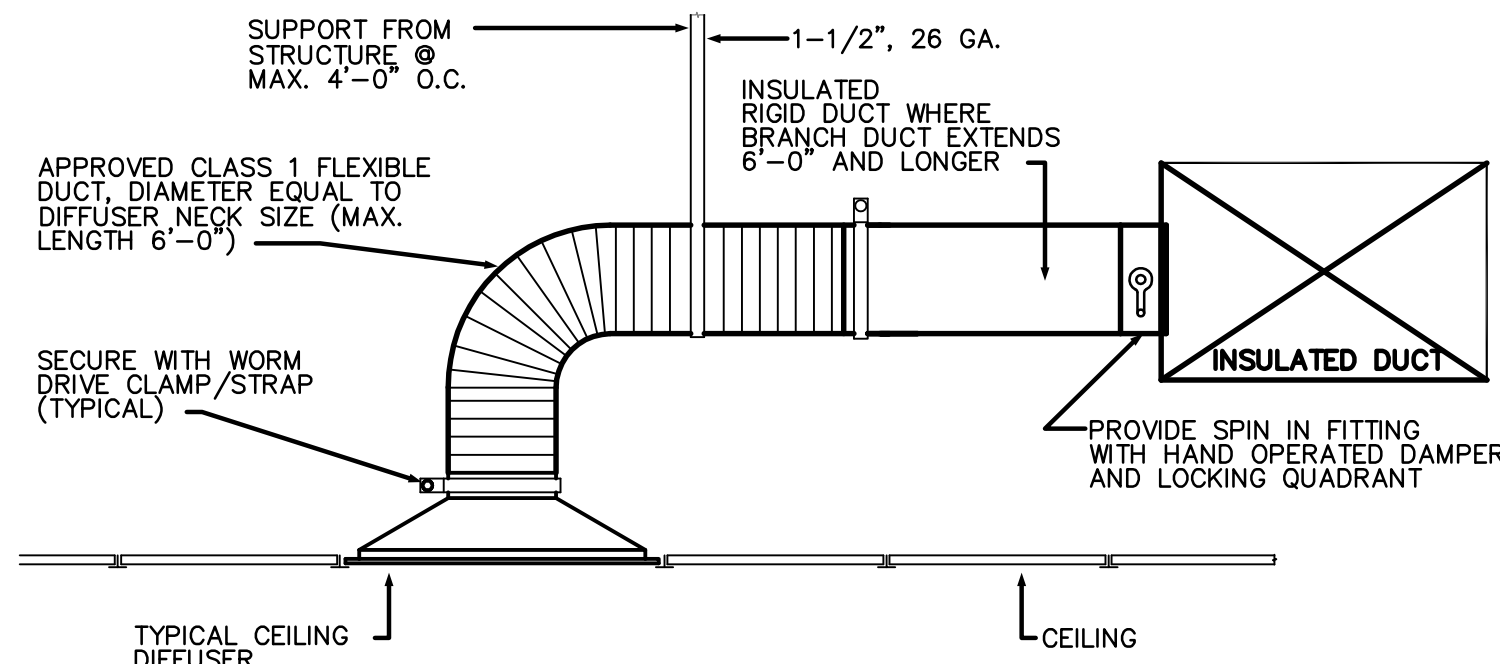


CEILING MOUNTED
EXHAUST FAN DETAIL

NOT TO SCALE

4

M3.0

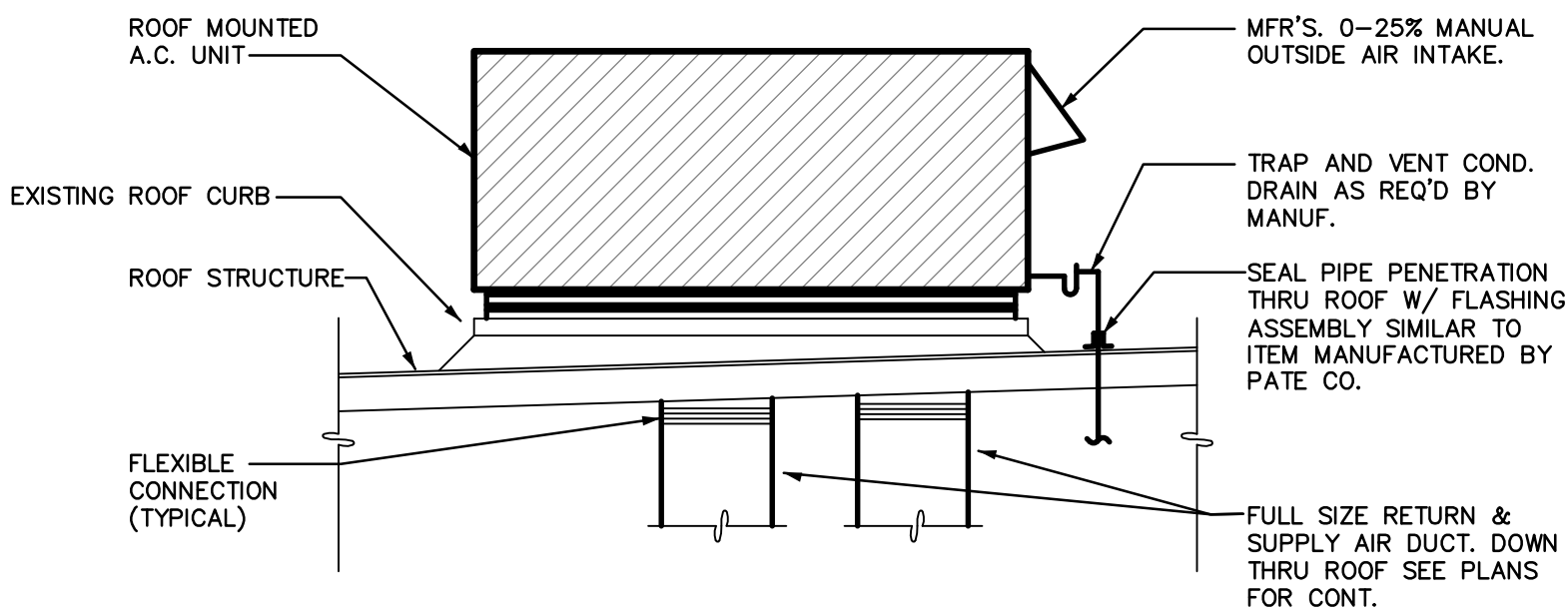


BRANCH
DUCT TAKE-OFF DETAIL

NOT TO SCALE

1

M3.0

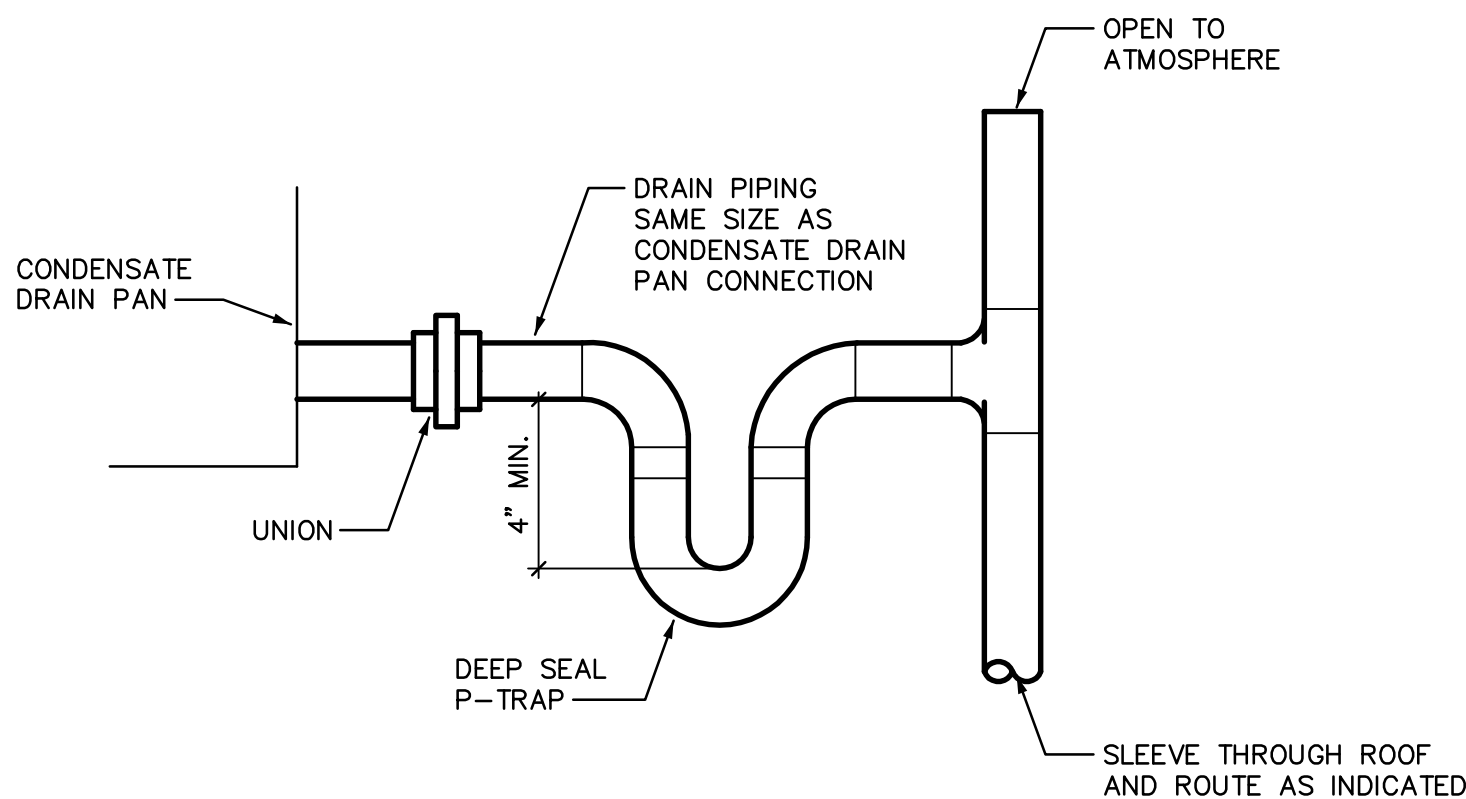


AC UNIT MOUNTING DETAIL

NOT TO SCALE

5

M3.0

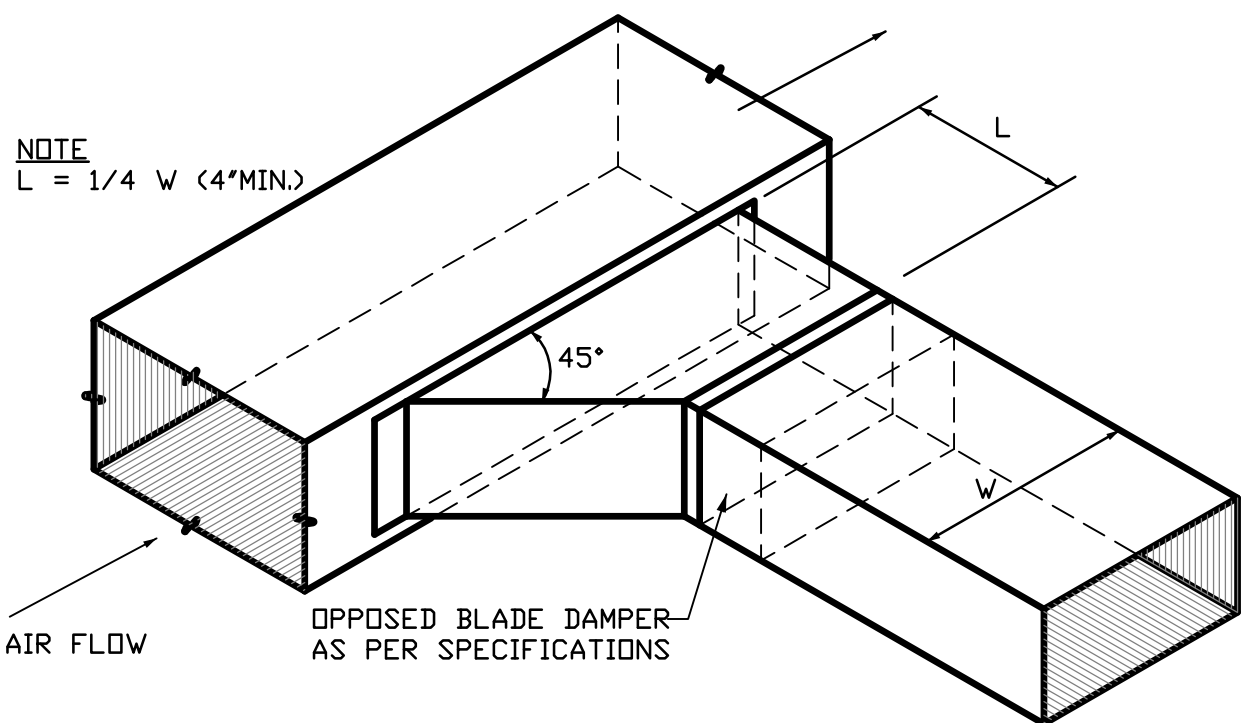


CONDENSATE PIPING
AT UNIT DETAIL

NOT TO SCALE

2

M3.0

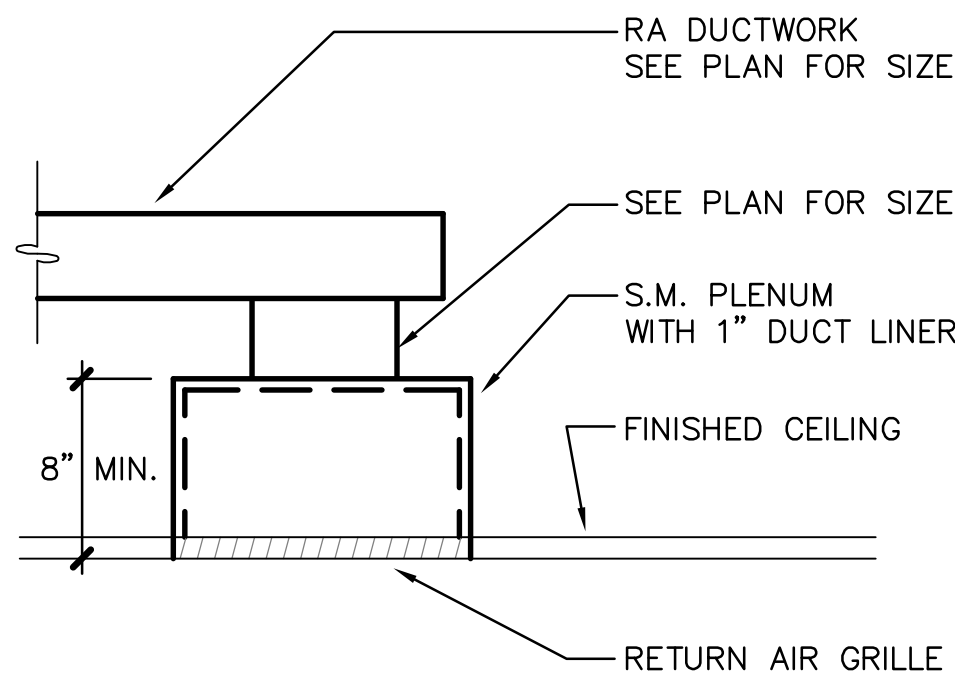


BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE

6

M3.0

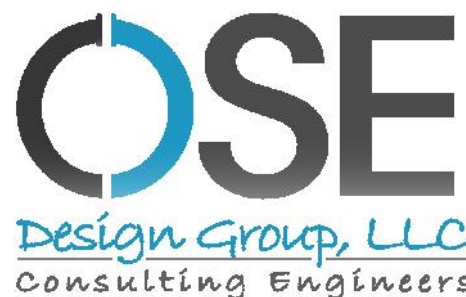


RETURN GRILLE DETAIL

NOT TO SCALE

3

M3.0



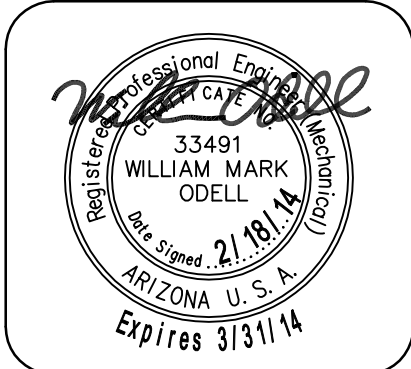
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ARCHITECTURE & PLANNING

IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

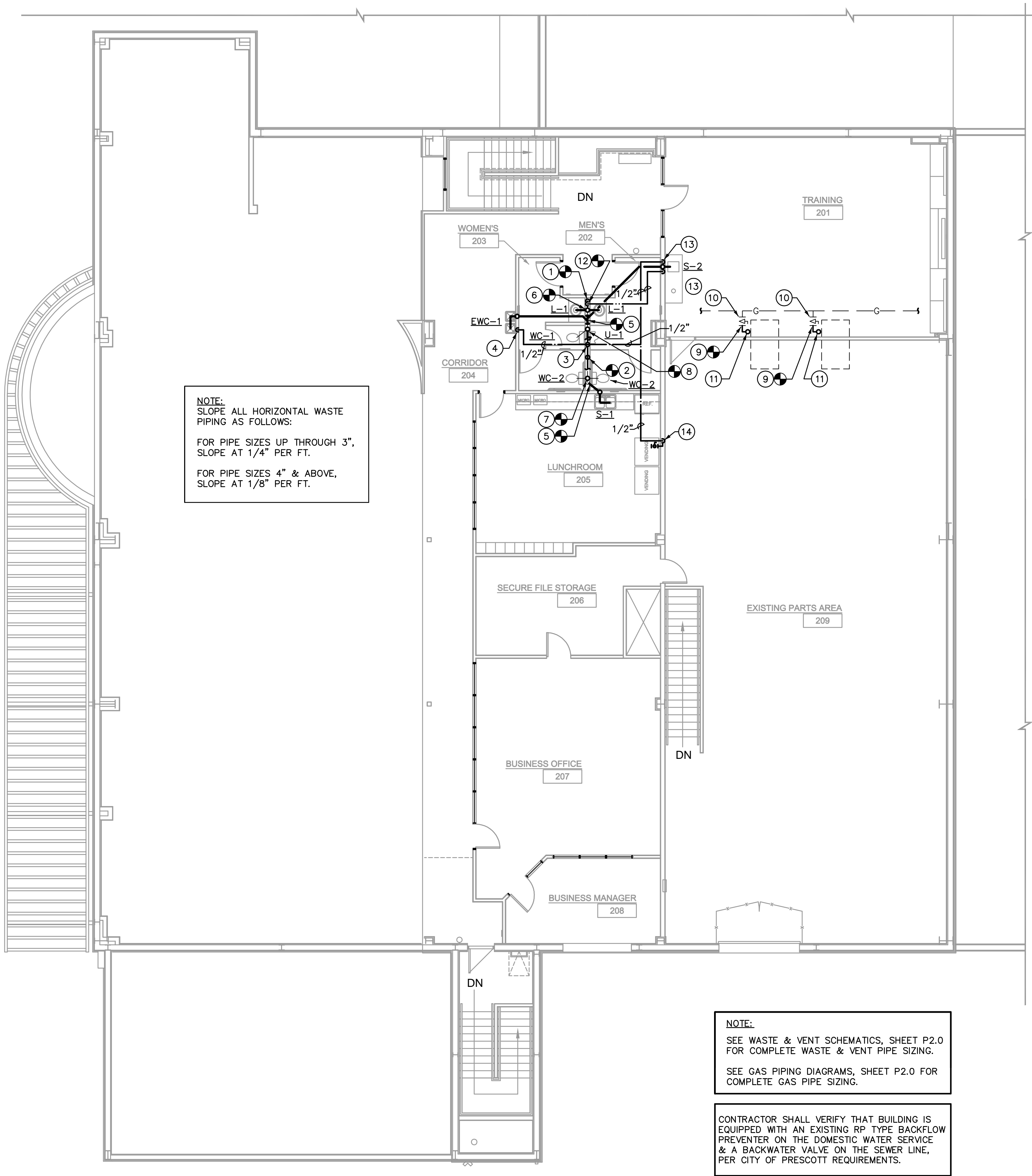
DRAWING: MECHANICAL DETAILS AND SCHEDULES

DRAWING: MECHANICAL DETAILS AND SCHEDULES

PROJECT: IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY JWS
CHECKED BY WMO
DATE XX/XX/2013
SCALE AS NOTED
JOB NO. 649
SHEET

M3.0



Plumbing Floor Plan - Upper Level

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



PLUMBING GENERAL NOTES:

1. ALL PLUMBING WORK SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES, OR THE SPECIFICATIONS.
2. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
3. COORDINATE LOCATION OF ALL PLUMBING LINES WITH DUCTWORK AND ELECTRICAL SERVICES.
4. WATER PIPING INSTALLED UNDER CONCRETE SLAB SHALL BE LOOPED IN PARTITION WALLS WITH NO JOINTS UNDER SLAB & WITH PLASTIC SLEEVE FOR EACH PENETRATION THROUGH SLAB.
5. ALL WATER PIPING TO BE CONTROLLED BY FULL FLOW BALL VALVE.
6. LOCATE ALL VENTS THROUGH ROOF 10'-0" FROM ALL AIR INTAKES, EVAPORATIVE COOLERS, ETC.
7. VERIFY INVERT ELEVATIONS (WASTE LINES), SIZES, & LOCATIONS OF ALL EXISTING GAS, WATER & WASTE LINES TO WHICH NEW PIPING CONNECTS PRIOR TO MAKING-UP OR INSTALLATION OF PIPING.
8. SLOPE ALL HORIZONTAL WASTE LINES AT 2% (MINIMUM) THROUGHOUT.
9. LOCATE ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER EQUIPMENT REQUIRING FREQUENT READING, REPAIRS, ADJUSTMENTS, INSPECTION, REMOVAL OR REPLACEMENT SO AS TO BE ACCESSIBLE WITH REFERENCE TO THE FINISHED BUILDING.
10. FULL WAY VALVE IS REQUIRED ON THE DISCHARGE SIDE OF EACH METER AND AT THE COLD WATER SUPPLY TO EACH WATER HEATER.
11. INSTALL APPROVED DIELECTRIC ISOLATORS AT ALL CONNECTIONS OF DISSIMILAR METALS.
12. REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL LINE SIZES.
13. WHERE POSSIBLE, TIE VENTS TOGETHER SO THAT A MINIMUM NUMBER TERMINATE THROUGH ROOF.
14. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS & INCLUDE IN HIS BID AN AMOUNT TO FURNISH & INSTALL ANY FIXTURES SHOWN IN ADDITION TO PLUMBING DRAWINGS.
15. SOLDERS AND FLUX HAVING A LEAD CONTENT IN EXCESS OF TWO-TENTHS OF ONE PERCENT SHALL NOT BE USED IN THE INSTALLATION OR REPAIR OF PLUMBING PROVIDING WATER FOR HUMAN CONSUMPTION.
16. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.
17. ROUGH-IN ALL WATER & WASTE PIPING TO SPECIAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' SHOP DRAWINGS. VALVE ALL SUPPLIES AND MAKE FINAL CONNECTIONS.

PLUMBING NOTE:

ALL PLUMBING FIXTURES SHALL BE OF A LOW-FLOW DESIGN WHICH LIMITS THE WATER FLOW NOT TO EXCEED THE FOLLOWING:

WATER CLOSETS: 1.6 GALLONS PER FLUSH
URINALS: 1.0 GALLONS PER FLUSH
LAV FAUCETS: .5 GALLONS PER MINUTE
SINK FAUCETS: 2.5 GALLONS PER MINUTE

WATER CALCULATION:

BUILDING IS SERVED BY AN EXISTING 1-1/2" WATER METER & RP TYPE BACKFLOW PREVENTER, WITH MAXIMUM ALLOWABLE 200 FU / 65 GPM

EXISTING FIXTURE UNITS: 154 FU
FIXTURE UNITS FOR THIS PROJECT: 32 FU

TOTAL FIXTURE UNITS = 154 FU + 32 FU = 186 FU / 64 GPM

PIPING SIZED PER ORIGINAL BUILDING WATER CALCULATION, USING 5.2 PSI MAXIMUM ALLOWABLE DROP PER 100 FT. OF PIPE LENGTH

BRANCH PIPE SIZING CHART FOR 5.2 PSI LOSS

PIPE SIZE	G.P.M.	F.U.(TANK)
1/2"	3	2
3/4"	7	8
1"	14	19
1-1/4"	24	38

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
---	W	WASTE PIPING
---	V	VENT PIPING
---	CW	COLD WATER PIPING
---	HW	HOT WATER PIPING
---	BV	BALL VALVE
---	FCO, SCO	FLOOR OR SURFACE CLEANOUT
---	WCO	WALL CLEANOUT
---	VTR	VENT THRU ROOF
---	FD	FLOOR DRAIN

NOTE:

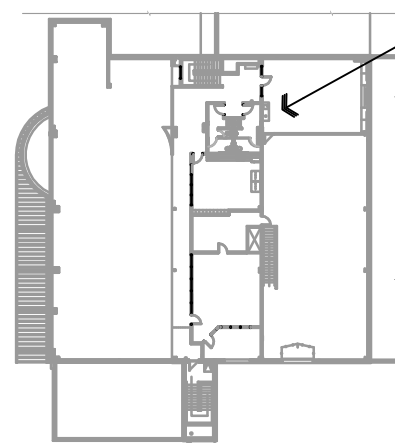
SEE WASTE & VENT SCHEMATICS, SHEET P2.0 FOR COMPLETE WASTE & VENT PIPE SIZING.

SEE GAS PIPING DIAGRAMS, SHEET P2.0 FOR COMPLETE GAS PIPE SIZING.

CONTRACTOR SHALL VERIFY THAT BUILDING IS EQUIPPED WITH AN EXISTING RP TYPE BACKFLOW PREVENTER ON THE DOMESTIC WATER SERVICE & A BACKWATER VALVE ON THE SEWER LINE, PER CITY OF PRESCOTT REQUIREMENTS.

KEYNOTES

1. CONNECT NEW 3/4" HW TO EXISTING HW STUBOUT. EXTEND NEW 3/4" HW HEADER WITH 1/2" TO EACH LAV & 1/2" TO SINK.
2. CONNECT NEW 1-1/4" CW TO EXISTING CW STUBOUT. EXTEND NEW 1-1/4" CW HEADER, WITH WITH 1/2" TO EACH LAV, 3/4" TO URINAL, 1/2" TO EACH WC & 1/2" TO SINK.
3. 3/4" CW RISE OFF HEADER TO ROUTE ABOVE CEILING, WITH 1/2" TO WATER COOLER & 1/2" TO TRAINING ROOM/ LUNCHROOM.
4. 1/2" CW DOWN TO ELECT. WATER COOLER.
5. CONNECT NEW WASTE TO EXISTING WASTE.
6. CONNECT NEW LAV WASTE TO EXISTING WASTE STUB-UP.
7. CONNECT NEW WC VENT TO EXISTING VENT STUB-UP.
8. CONNECT NEW URINAL WASTE TO EXISTING WASTE STUB-UP.
9. CONNECT NEW GAS PIPING TO EXISTING STUBOUT.
10. EXISTING VALVED GAS STUBOUT- FIELD VERIFY EXACT SIZE & LOCATION.
11. NEW GAS LINE UP THROUGH ROOF TO CONNECT TO NEW ROOFTOP A/C UNIT. PROVIDE LUBRICATED GAS COCK & 6" DIRT LEG AT UNIT CONNECTION. FLASH PIPING PENETRATION THROUGH ROOF.
12. 1/2" HW RISE OFF HEADER TO ROUTE ABOVE CEILING OVER TO TRAINING ROOM.
13. 1/2" H & CW DOWN TO SINK.
14. 1/2" CW DOWN TO VALVED STUBOUT FOR CONNECTION TO VENDING MACHINE TO BE MADE THROUGH APPROVED DUAL CHECK TYPE BACKFLOW PREVENTER.



Key Plan - Upper Level



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ARCHITECTURE & PLANNING

DRAWING: PLUMBING FLOOR PLAN

IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY JWS
CHECKED BY WMO
DATE XX/XX/2013
SCALE AS NOTED
JOB NO. 649
SHEET

P1.0

PLUMBING SPECIFICATIONS:

1. GENERAL

1.1 Scope: Work under this section includes coordinating and furnishing all labor and material necessary to install a complete plumbing system as shown and specified and in accordance with the codes. Contractor shall pay for all permits, meters, fees, city inspections, legal notices, etc., as required.

1.2 Submittals: Within 15 days after award of contract, submit 8 copies of all items.

1.3 Record Drawings: Provide a set to the Architect at completion of project.

1.4 Instructions: Provide maintenance manual and instruct Owner in the proper operation and maintenance of the equipment.

1.5 Guarantee: One year on labor, material and equipment.

2. PRODUCTS

2.1 Piping:

2.1.1 Water Lines:

2.1.1.1 Copper: Type "L" hard drawn, conforming to ASTM B88, for all water pipe not set under concrete or in the ground.

2.1.1.2 Copper: Type "K" soft drawn, conforming to ASTM B88, for water pipe set in or under concrete or in the ground. Wrap lines below concrete floors with 20 mils of polykon tape.

2.1.1.3 Fittings: Wrought copper conforming to ANSI B16.22.

2.1.1.4 Plastic: If permitted by Administrative Authority, IAPMO approved, NSF-61 listed, crosslinked polyethylene (PEX) tubing, equal to Wirsbo "AQUAPEX" system is acceptable for potable water piping.

2.1.2 Sanitary Waste and Vent Lines:

2.1.2.1 Cast Iron conforming to CISPI Standard 301-95 and ASTM A-888 for all no-hub pipe and fittings installed above and below grade.

2.1.2.2 Galvanized Iron: Standard weight, Schedule 40 galvanized iron conforming to ASTM A-120 for all vent lines 2-1/2" or smaller.

2.1.2.3 Fittings (Waste and Vent System, no-hub cast iron): No-hub cast iron drainage pattern fittings conforming to CISPI #301-95.

2.1.2.4 Fittings (Waste and Vent, galvanized steel): Threaded cast iron fittings conforming to ANSI B16.4.

2.1.2.5 Couplings (Waste and Vent, above and below grade): Double band, stainless steel couplings conforming to CISPI 310-95, with neoprene gasket conforming to ASTM Standard C564 (NOTE: Screened stainless shield is not approved).

2.1.2.6 Plastic: Subject to Owner approval, PVC piping conforming to ASTM D-2665-88 is acceptable for sanitary waste piping installed below grade or slab pr upper floor. Fittings: Drainage fittings to match pipe.

2.1.3 Gas Piping:

2.1.3.1 Gas Piping, interior above slab: Schedule 40 black steel conforming to ASTM A53. Fittings shall conform to the following:

2.1.3.1.1 Pipe 1-1/2" and Smaller: 150 psi, black malleable iron, conforming to ANSI B16.3, 150 psi SWP.

2.1.3.1.2 Pipe 2" and Larger: Black steel seamless welding fittings conforming to ANSI B16.9 and USAS B16.25, 150 psi SWP.

2.1.3.1.3 Unions: Black malleable iron screwed connections, ground iron-to-bronze seat, conforming to ASTM A47, 250 psi SWP.

2.1.3.1.4 Flanges: Black forged steel with weld neck flanges conforming to ANSI B16.5, 150 psi SWP.

2.1.3.2 Gas Piping, above grade or slab, exterior: Schedule 40 galvanized steel, conforming to ASTM A53. Fittings: 150# galvanized steel screwed fittings.

2.2 Pipe Hangers and Supports: Fee & Mason Figure 103 clevis hanger for insulated pipe and Figure 104 clevis hanger for cast iron pipe. Install #500 Trisolators on uninsulated copper lines at all hangers and wall penetrations.

2.3 Pipe Insulation: Use fiberglass preformed insulation with all-service jacket, minimum density of 3.5 pcf. Provide an additional 8-ounce canvas jacket with Arabol finish around all exposed pipe insulation. Cover fittings and valves (except unions) with insulation cement worked on in two applications to a smooth, hard surface, flush with pipe covering. Provide 8" long, 20 gauge, galvanized iron metal insulation guards at locations of hanger rods and supports. Provide 12" long rigid insulation blocks on bottom half of pipe 1" and larger at hangers. Insulation wall thickness shall conform to the following schedule:

Domestic Hot Water Lines:

Mains and horizontal branches - 1" thickness.
Drops in walls and partitions - 1/2" thickness.

2.4 Valves:

2.4.1 Gate Valves: Milwaukee 115, 125#, bronze body, solder type gate valve with nonrising stem for all lines up through 3" size.

2.4.2 Check Valves: Milwaukee #1509, 125#, bronze body, solder joint check valve with horizontal bronze disc for all valves up to 2" size. Milwaukee #2974, 125#, iron body, bronze trimmed, flanged horizontal check valve for all valves larger than 2" size.

2.4.3 Shutoff Valve: Milwaukee BB1-350 bronze body, solder joint valve for all lines up through

2.4.4 Gas Valves, 3/4" and Smaller: Milwaukee BB-1-102.

2.4.5 Gas Valves, 1" to 1-1/2": Rockwell-Nordstrom #142 with #555 lubricant for natural gas service.

2.4.6 Gas Valves, 2" and Larger: Rockwell-Nordstrom #143 with #555 lubricant for natural gas service.

2.5 Cleanouts:

2.5.1 Concrete and Tile Floors: J.R. Smith 4023, with scoriated nickel-bronze top.

2.5.2 Cleanouts (exposed vertical piping): J.R. Smith 4512 cast iron branch cleanout tee with bronze plug.

2.5.3 Interior Finished Walls: J.R. Smith 4532.

2.5.4 Exterior Surface Cleanouts: J.R. Smith 4253. Provide 18" x 18" x 6" concrete pad at landscape areas; provide concrete ring below grade at asphalt areas.

2.5.5 Provide all cleanouts with heavy threaded bronze plugs.

2.6 Acceptable Manufacturers: The following is a list of manufacturers whose equipment is acceptable as to manufacturer, subject to conformance with all drawings, specifications and addenda items:

Plumbing Fixtures: American Standard, Kohler, Eljer.

Electric Water Coolers: Oasis, Elkay, Halsey Taylor.

Stainless Steel Sinks: Just, Elkay, Moen.

Valves: Crane, Kennedy, Stockham, Grinnell, Milwaukee, Wolverine.

P-Traps: Crane, Kohler, Eljer, Frost, McGuire.

Supply Fittings: Chicago, American Standard, Eljer, Speakman, Kohler.

Supply Stops: Eastman, Kohler, Eljer, Brasscraft, McGuire.

Closet Seats: Sperzel, Olsonite, Beneke, Bemis.

Drains and Cleanouts: J. R. Smith, Zurn, Josam, Wade, Western.

Hangers: Grinnell, Fee & Mason, Elcen, Kin-Line, F & S, B-Line, Michigan.

2.7 Plumbing Fixtures: Use polished chrome-plated, adjustable brass P-traps with wall escutcheons at all exposed locations. Use polished chrome-plated faucets with removable trim, brass body and brass handles. Fixtures and supply fitting shall be of one manufacturer. Provide diaphragm type, polished chrome-plated flush valves with integral vacuum breakers and screwdriver stops. Provide fixture stops or valves ahead of all equipment or fixtures. After fixtures are set in place and secured to walls, caulk all around between fixtures and wall with either Dow Corning #780 or G.E. Construction Sediant white silicone caulking compound. See Plumbing Fixture Specification Schedule for complete fixture specifications.

3. EXECUTION

3.1 Tests and Inspections:

3.1.1 All work to be tested and approved before covering as directed by Architect. Remake all leaking joints.

3.1.2 Water System: 125 psi hydrostatic pressure held for four hours.

3.1.3 Sanitary Waste and Vent System: Fill with water to highest point in the system and let stand without loss for two hours.

3.1.4 Gas System: Hold at 50 psi pneumatic for four hours with no pressure loss.

3.1.5 Sterilization (Domestic Water System): After tests have been completed, the entire domestic water distribution system shall be thoroughly flushed with water until all entrained dirt and mud have been removed, and shall be sterilized with solutions of either liquid chlorine conforming to Federal Specification BB-B-120 or hypochlorite conforming to Fed. Spec. O-C-114, Type II, Grade 15, or Fed. Spec. O-S-602, Grade A or B. The chlorinating material shall provide a dosage of not less than 50 parts per million and shall be introduced into the system in an approved manner, and retained in the system for 8 hours before flushing.

3.2 Flashing, Sleeves and Escutcheon Plates:









3.2.1 Flashing: Supply flashing for all vent pipe and other types of piping through roof to be installed with roofing. Flash vents with Stoneman S1300-4 or with sheet lead weighing not less than 4 pounds per square foot or equal. Extend flashing into roofing at least 10" from vent and turn flashing over and down into vent opening.

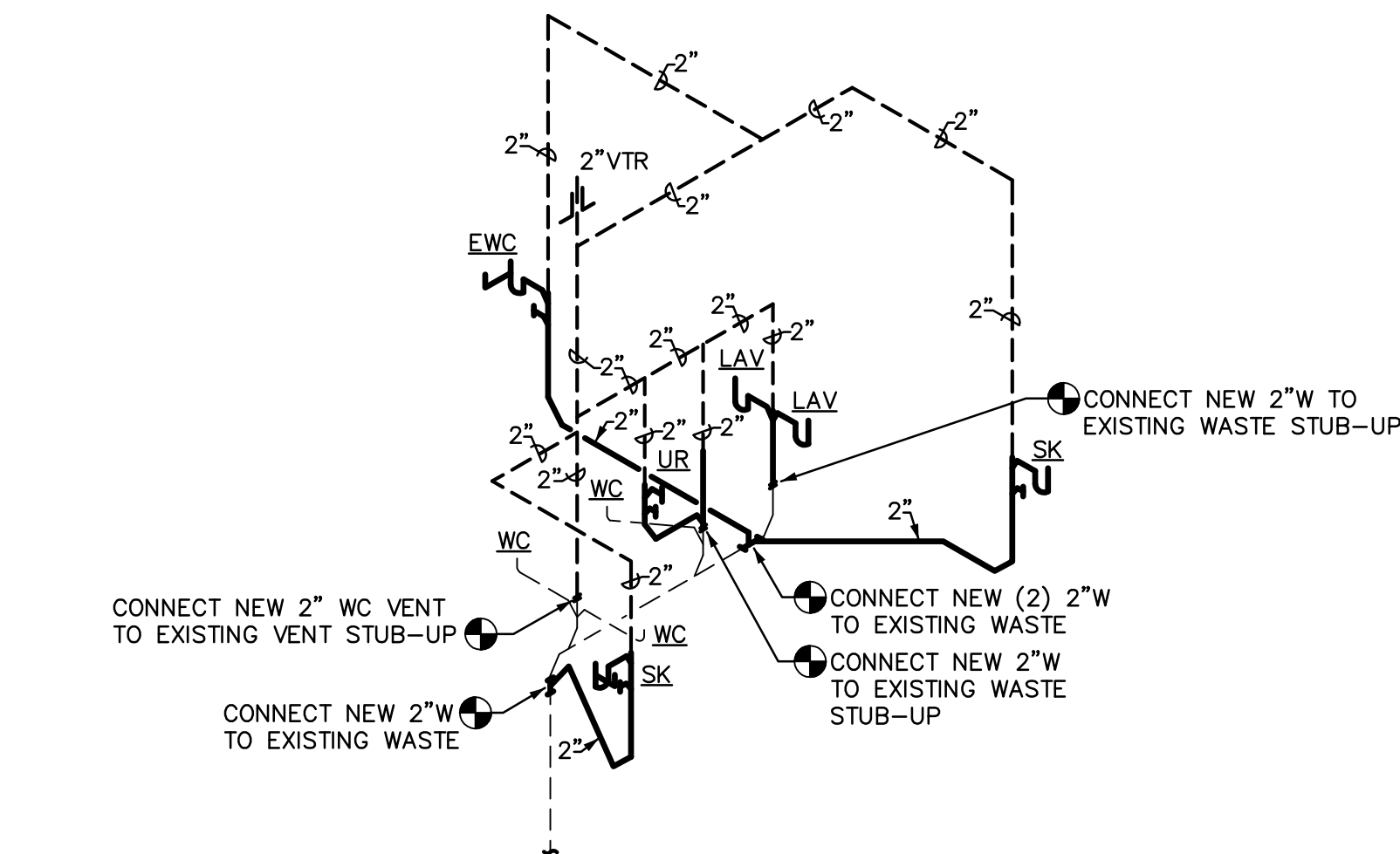
3.2.2 Sleeves: Use 20 gauge galvanized steel sleeves around pipes passing through masonry walls and concrete slabs.

3.2.3 Escutcheon Plates: Install cast brass split ring with setscrew at all locations where exposed pipes pass through walls, floors and/or ceilings. Provide polished chrome-plated escutcheons in finished rooms, all others polished brass.

3.3 Electrical: Wiring by Electrical Contractor.

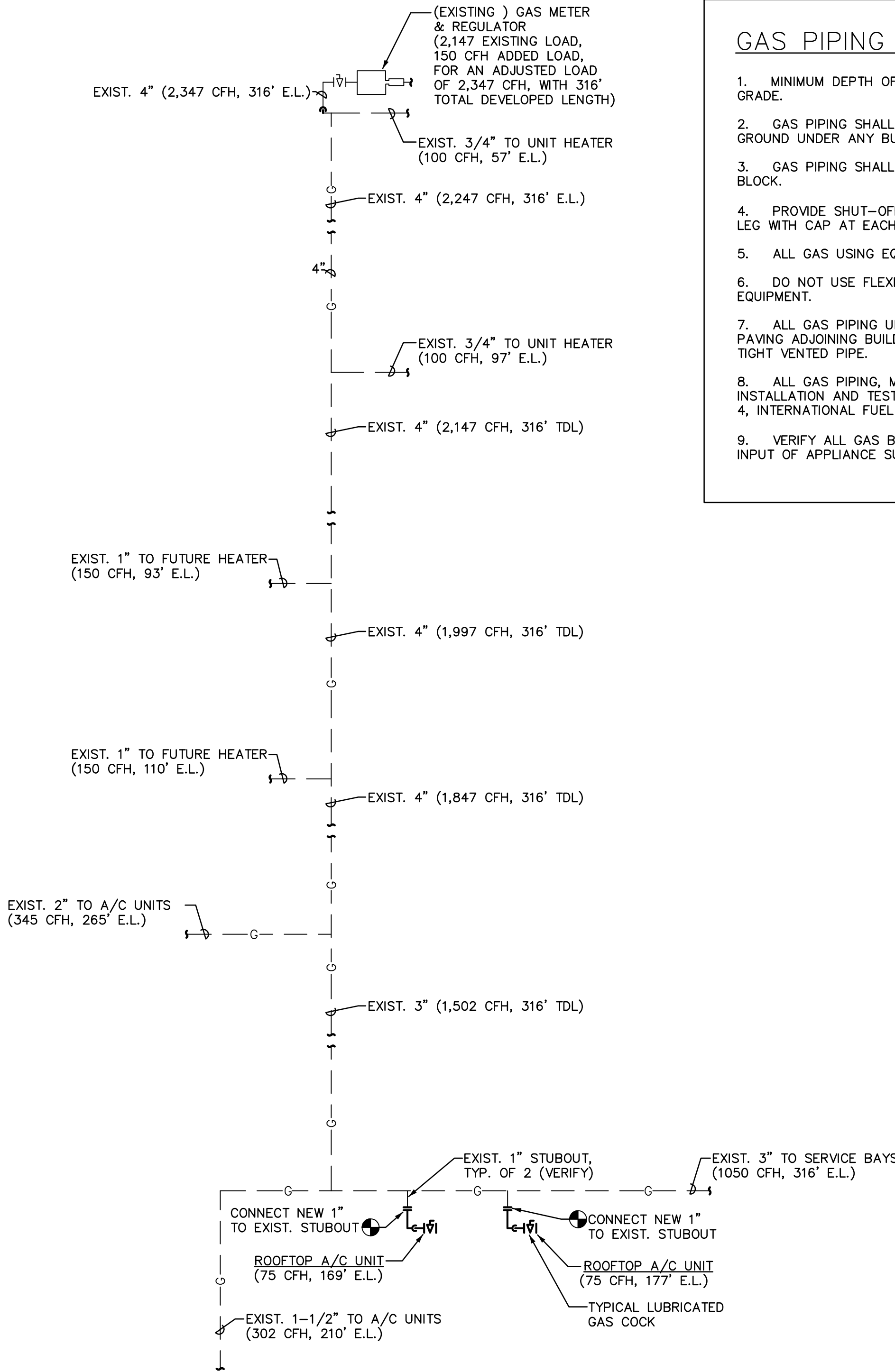
PLUMBING FIXTURE SPECIFICATIONS

SYMBOL	DESCRIPTION
	WATER CLOSET: FIXTURE: CRANE MODEL No. 3-852, 1.6 GALLONS PER FLUSH, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL. SEAT: CHURCH 9500 WHITE OPEN FRONT SEAT WITH CONCEALED CHECK HINGE & WITHOUT COVER. SUPPLIES: EASTMAN C5CR-20-LK, 1/2" x 3/8" ANGLE STOP WITH FLEXIBLE TUBE RISER.
	WATER CLOSET (HANDICAPPED): FIXTURE: CRANE MODEL No. 3-854-E, 17-1/4" HIGH RIM, 1.6 GALLONS PER FLUSH, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL. SEAT: CHURCH 9500 WHITE OPEN FRONT SEAT WITH CONCEALED CHECK HINGE & WITHOUT COVER. SUPPLIES: EASTMAN C5CR-20-LK, 1/2" x 3/8" ANGLE STOP WITH FLEXIBLE TUBE RISER. FLUSH CONTROL LOCATION TO COMPLY WITH ADA REQUIREMENTS.
	URINAL (HANDICAPPED ACCESSIBLE): FIXTURE: CRANE MODEL No. 7309 WHITE VITREOUS CHINA WALL HUNG SIPHON JET URINAL WITH ELONGATED FLUSHING RIM, 3/4" TOP SPUD, WALL HANGER, 2" THREADED FEMALE OUTLET CONNECTION. FLUSH VALVE: SLOAN ROYAL 186 YB, 1.0 GALLON PER FLUSH. MOUNT FIXTURE AT WHEELCHAIR HEIGHT (REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHT).
	LAVATORY: FIXTURE: FURNISHED AND INSTALLED UNDER SEPARATE SECTION (LAV BASIN IS INTEGRAL WITH SOLID SURFACE COUNTERTOP). FAUCET: MOEN No. 8400 SINGLE LEVER, DECK MOUNTED FAUCET WITH BLADE TYPE ADA HANDLE. STRAINER: MCGUIRE 15SWC CHROME PLATED CAST BRASS OPEN GRID STRAINER WITH 1-1/4" OFFSET TAILPIECE. TRAP: MCGUIRE 8902, 1-1/4" x 1-1/2" CAST BRASS P TRAP. SUPPLIES: EASTMAN C5CR-15-LK, CHROME PLATED ANGLE STOPS WITH FLEXIBLE TUBE RISERS. INSULATE ALL EXPOSED WATER AND WASTE PIPING WITH TRUEBRO LAV-GUARD INSULATION KIT, MODEL 102, WITH ACCESSORY #105.
	SINK (2 COMPARTMENT): FIXTURE: JUST MODEL No. DL--2233-A-GR, 22" x 33" x 8" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL, ADA COMPLIANT SELF RIMMING DOUBLE COMPARTMENT SINK WITH THREE-HOLE PUNCH. FAUCET: JUST J-900, SINGLE LEVER FAUCET WITH AERATOR. SUPPLIES: EASTMAN C5CR-20-LK, 1/2" x 3/8" ANGLE STOPS WITH FLEXIBLE TUBE RISERS. PROVIDE JUST J-35 BASKET STRAINERS WITH 1-1/2" TAILPIECE (2 REQUIRED), AND JUST J-53S 1-1/2" TRAP ASSEMBLY.
	BAR SINK: FIXTURE: JUST MODEL No. SL-1515-B-GR, 15" x 15", 20 GAUGE TYPE 304 STAINLESS STEEL, SINGLE BOWL SELF RIMMING SINK WITH 300 SERIES STAINLESS STEEL MOUNTING RIM, SINGLE HOLE PUNCH. FAUCET: JUST JGN-740 DECK MOUNTED SINGLE HOLE GOOSENECK FAUCET. SUPPLIES: EASTMAN C5CR-20-LK, 1/2" x 3/8" ANGLE STOPS WITH FLEXIBLE TUBE RISERS. JUST J-35-SSF BASKET STRAINER WITH 1-1/2" TAILPIECE. TRAP: MCGUIRE 8912, 1-1/2" x 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG, ESCUTCHEON.
	ELECTRIC DRINKING FOUNTAIN (HIGH-LOW TYPE): FIXTURE: OASIS MODEL No. P8ACSL, WALL MOUNTED BARRIER FREE SPLIT-LEVEL ELECTRIC WATER COOLER WITH CAPACITY OF 7.8 GPH AT 90° F AMBIENT AT 80° F INLET AND 50° F OUTLET. COMPRESSOR: 1/5 HP, 120 VOLT., HERMETICALLY SEALED WITH CAPACITOR AND OVERLOAD PROTECTION. COOLER MANUFACTURER SHALL PROVIDE A 5-YEAR, 100% REPLACEMENT WARRANTY ON THE COMPRESSOR, CONTROLS, TANK AND INTEGRAL PIPING. SUPPLY: EASTMAN C5CR-15-LK, 1/2" x 3/8" ANGLE STOP WITH FLEXIBLE TUBE RISER. TRAP: MCGUIRE 8902 1-1/4" x 1-1/2" CAST BRASS P TRAP. REFER TO ARCHITECTURAL DRAWINGS FOR UNIT MOUNTING HEIGHTS.
	WATER HAMMER ARRESTOR: J.R. SMITH 5000 SERIES, WHERE REQUIRED IN PIPING SYSTEMS. SIZE FOR FIXTURE UNIT LOAD, WITH NESTING TYPE BELLOWS CONTAINED WITHIN, CASING AND BELLOWS SHALL BE CONSTRUCTED OF STABILIZED 18-8 STAINLESS STEEL. COMPLETE WITH BALL VALVE BEFORE WHA.



WASTE AND VENT SCHEMATIC

NTS



GAS PIPING DIAGRAM

NTS

FIXTURE CONNECTION SCHEDULE

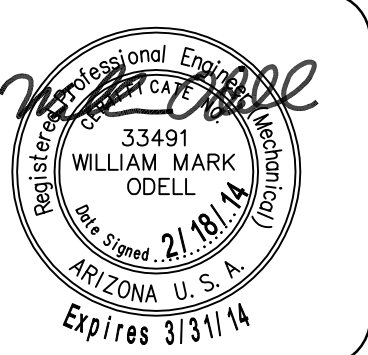
MARK	DESCRIPTION	TRAP SIZE	W	V	CW	HW	REMARKS
WC-1	WATER CLOSET	INTEGRAL	3"	2"	1"	-	FLOOR MOUNTED, FLUSH TANK, 1.6 GPF
WC-2	WATER CLOSET (HC)	INTEGRAL	3"	2"	1"	-	FLOOR MOUNTED, FLUSH TANK, 1.6 GPF
U-1	URINAL (HC)	INTEGRAL	2"	1-1/2"	3/4"	-	ADA COMPLIANT, WALL HUNG, 1.0 GPF
L-1	LAVATORY (HC ACCESSIBLE)	1-1/4"x 1-1/2"	2"	1-1/2"	1/2"	1/2"	FIXTURE INTEGRAL IN SOLID SURFACE COUNTERTOP
S-1	SINK	1-1/2"	2"	1-1/2"	1/2"	1/2"	TWO COMPARTMENT, STAINLESS STEEL
S-2	BAR SINK	1-1/2"x	2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL
EWC-1	ELECTRIC WATER COOLER	1-1/2"	2"	1-1/2"	1/2"	-	ADA COMPLIANT SPLIT LEVEL

GAS PIPING NOTES:

- MINIMUM DEPTH OF GAS PIPING TO BE 18" BELOW GRADE.
- GAS PIPING SHALL NOT BE INSTALLED IN OR ON THE GROUND UNDER ANY BUILDING.
- GAS PIPING SHALL NOT RUN IN HOLLOW CORE OF BLOCK.
- PROVIDE SHUT-OFF COCK, UNION AND 6" LONG DIRT LEG WITH CAP AT EACH GAS LINE DROP TO APPLIANCE.
- ALL GAS USING EQUIPMENT TO BE NATURAL FUEL.
- DO NOT USE FLEXIBLE PIPE CONNECTIONS TO EQUIPMENT.
- ALL GAS PIPING UNDER ASPHALT OR CONCRETE PAVING ADJOINING BUILDING MUST BE SLEEVED IN GAS TIGHT VENTED PIPE.
- ALL GAS PIPING, MATERIALS, VALVES, FITTINGS, INSTALLATION AND TESTING SHALL COMPLY WITH CHAPTER 4, INTERNATIONAL FUEL GAS CODE.
- VERIFY ALL GAS BTU/H INPUTS WITH ACTUAL BTU/H INPUT OF APPLIANCE SUPPLIED.

REVISIONS	BY

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ARCHITECTURE & PLANNING

PLUMBING DETAILS AND SCHEDULES

DRAWING:

IMPROVEMENTS FOR:

PROJECT:

PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

DRAWN BY

JWS

CHECKED BY

WMO

DATE

XX/XX/2013

SCALE

NONE

JOB NO.

649

SHEET

P2.0



611 West Delano Ave
Prescott, AZ 86301
(928) 443.7353

Project
#13138

17313 W. Young St.
Surprise, AZ 85388
(623) 444-6143

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT

- ALL WIRING #6 AWG AND LARGER SHALL BE XHHW COPPER. #8 AWG AND SMALLER SHALL BE THHN/THWN COPPER

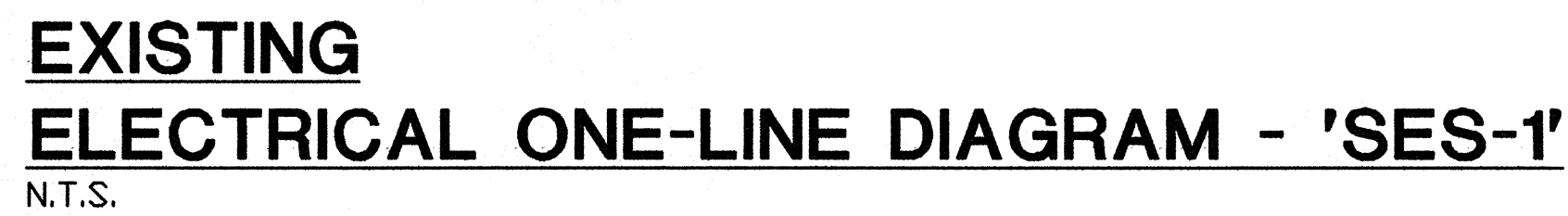
1. PRIOR TO SUBMITTING BID, SUBCONTRACTORS SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH IN ANY WAY AFFECTS THE WORK UNDER HIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
2. THE SUBCONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND /OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THE CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.
3. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS AND BUILDING DETAILS. VERIFY LOCATION OF ALL OUTLETS, SWITCHES, AND WALL MOUNTED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS. VERIFY ALL CEILING TYPES WITH ARCHITECTURAL DRAWINGS BEFORE ORDERING FIXTURES.
4. PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT.
5. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
6. BRANCH CIRCUIT WIRING SHALL BE THHN/THWN INSULATION. PANEL FEEDERS SHALL BE TYPE XHHW. ALL WIRE SHALL BE COPPER. MINIMUM WIRE SIZE SHALL BE #12.
7. ALL WIRING TO BE INSTALLED IN RACEWAYS. TYPE OF RACEWAY SHALL BE AS REQUIRED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
8. PROVIDE CODE SIZED BOND WIRE IN ALL EMT, FLEXIBLE CONDUIT, OR NM CABLES.
9. ALL ELECTRICAL EQUIPMENT SHALL BE NEW , U.L. APPROVED AND COMMERCIAL GRADE.
10. WIRE RATED FOR 150° CENTIGRADE SHALL BE USED FOR ALL INCANDESCENT LIGHTING FIXTURES.
11. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL CODE, (N.E.C.), AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
12. PROVIDE TYPEWRITTEN DESCRIPTIVE PANEL DIRECTORIES

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAIL THAT CONFORM TO UNDERWRITERS LABORATORY'S LISTINGS FOR THROUGH PENETRATION FIRESTOP SYSTEMS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE WITH THE LISTING TO THE ARCHITECT AND SUCH DRAWINGS SHALL BE AVAILABLE TO THE LOCAL GOVERNING INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED.

A COMPLETE OPERATIONAL MANUAL/AUTOMATIC FIRE ALARM SYSTEM TO BE MONITORED AS DIRECTED BY OWNER SHALL BE FURNISHED AND INSTALLED, AS REQUIRED FOR THIS TYPE OF BUILDING IN ACCORDANCE WITH STATE AND/OR LOCAL CODE AND AS APPROVED BY THE CODE ENFORCING AUTHORITY HAVING JURISDICTION. THE FIRE ALARM CONTROL PANEL SHALL BE LOCATED AS DIRECTED BY THE ENFORCING AUTHORITY. (CONNECT TO CIRCUIT B-25). FIRE ALARM CONTRACTOR SHALL PROVIDE SPEC'S, DRAWINGS OF DEVICE LOCATIONS AND CUT SHEET OF DEVICES TO FIRE MARSHALL FOR APPROVAL PRIOR TO INSTALLATION.

EX	EXISTING LIGHT OR DEVICE TO REMAIN
RE	EXISTING LIGHT OR DEVICE TO BE REMOVED OR RELOCATED
	EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.
ER	RELOCATED LIGHT OR DEVICE
A.F.F.	ABOVE FINISHED FLOOR (ϕ OF OUTLET)
A.F.G.	ABOVE FINISHED GRADE (ϕ OF OUTLET)
E.C.	EMPTY CONDUIT
G.F.I.	GROUND FAULT INTERRUPTER
WP	WEATHERPROOF
NF	NON--FUSED
UNO	UNLESS OTHERWISE NOTED
FBO	FURNISHED BY OTHERS
NL	NIGHT LIGHT
TYP	TYPICAL
EDF	ELECTRIC DRINKING FOUNTAIN
TMB	TELEPHONE MOUNTING BOARD
TTC	TELEPHONE TERMINAL CABINET
SES	SERVICE ENTRANCE SECTION
EF	EXHAUST FAN

1. RETURN REMOVED MATERIAL DEEMED SALVAGEABLE TO OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
2. THE CONTRACTOR WILL EXAMINE THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO PERFORM HIS WORK. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL FIELD VERIFY ALL DETAILS OF DEMOLITION.
3. REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, DISCONNECTS, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN.) REWORK AS NECESSARY ALL CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
5. REMOVED OR DAMAGED CONDUIT, WIRE AND FITTINGS SHALL NOT BE RE-USED
6. WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
 - A. SALVAGING OR DISPOSING OF ALL MATERIAL OR EQUIPMENT AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
 - B. REMOVAL OF FEEDER OR CABLING FROM EQUIPMENT TO POINT OF FEED.
 - C. REMOVAL OR RE-CIRCUITING (AS REQUIRED OR AS NOTED ON PANELS) OF ALL BRANCH CIRCUITING.
 - D. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
 - E. REPAIR AND PATCHING OF WALLS, FLOORS AND CEILINGS TO MATCH EXISTING OR PER ARCHITECT'S INSTRUCTIONS.
 - F. CAPPING OF IN-SLAB FEEDER CONDUITS FLUSH WITH THE FINISHED FLOOR.
 - G. CAPPING OF FEEDER CIRCUITS AT 6" ABOVE OR BELOW THE FLOOR OR CEILING FOR IN-SLAB CONDUITS LOCATED UP NEXT TO A WALL OR FOR CEILING AREA CONDUITS.
 - H. THE OPPOSITE END LOCATION OF ALL EMPTY FEEDER CONDUITS AT SWITCHBOARDS, PANELBOARDS, ETC., SHALL BE MARKED USING AN ENGRAVED BRASS TAG ATTACHED TO THE CONDUIT.
- I. EXISTING FEEDER CONDUITS SHALL BE REMOVED OR CUT OFF AND ABANDONED IF FOUND TO BE UNSALVAGEABLE BY THE OWNER, ARCHITECT OR ENGINEER.
7. EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN," UNLESS NOTED OTHERWISE.



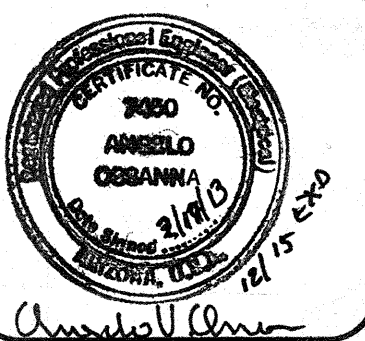
EXISTING 'SES' PEAK DEMAND	=	105.0 KW
105.0 KW ÷ 0.8 ÷ 240V	=	546.8 AMPS
NEW ADDED LOAD HI ØA	=	176.8 AMPS
<hr/>		
NEW TOTAL CODE LOAD	=	723.6 AMPS
ADDITIONAL LOAD WILL NOT OVERLOAD EXISTING SERVICE		

NOTES: (1) ALL FLUORESCENT FIXTURES TO BE FURNISHED WITH INTERNAL DISCONNECT.
(2) VERIFY ALL FINAL MOUNTING HEIGHTS WITH ARCHITECT.
(3) SEE SITE PLAN SHT. E1.1 FOR EXTERIOR BUILDING LIGHT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

SWITCHES	+48" (MAX)
RECEPTACLES	+18" (MIN.)
TELEPHONE	+18" (MIN.)
SIDE REACH	+54" (MAX)

ELECTRICAL DESIGN & CADD SERVICES INC.
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ARCHITECTURE & PLANNING



DRAWING: ELECTRICAL SYMBOLS, SPE'S, LIGHTING FIXTURE SCHEDULE, ONE-LINE DIAGRAM AND NOTES

PROJECT:
IMPROVEMENTS FOR:
PRESCOTT HONDA
3291 WILLOW CREEK ROAD
PRESCOTT, AZ 86301

CHECKED BY
A.O.

DATE
2-14-14

SCALE
AS-NOTED

JOB NO.

SHEET

E-1

