



SCALE: 1" = 40'

FOUND (HELD) 4"x4"
CONCRETE MONUMENT
POINT OF BEGINNING

S88°28'27"W 1,660.43'

20,
8 EAST

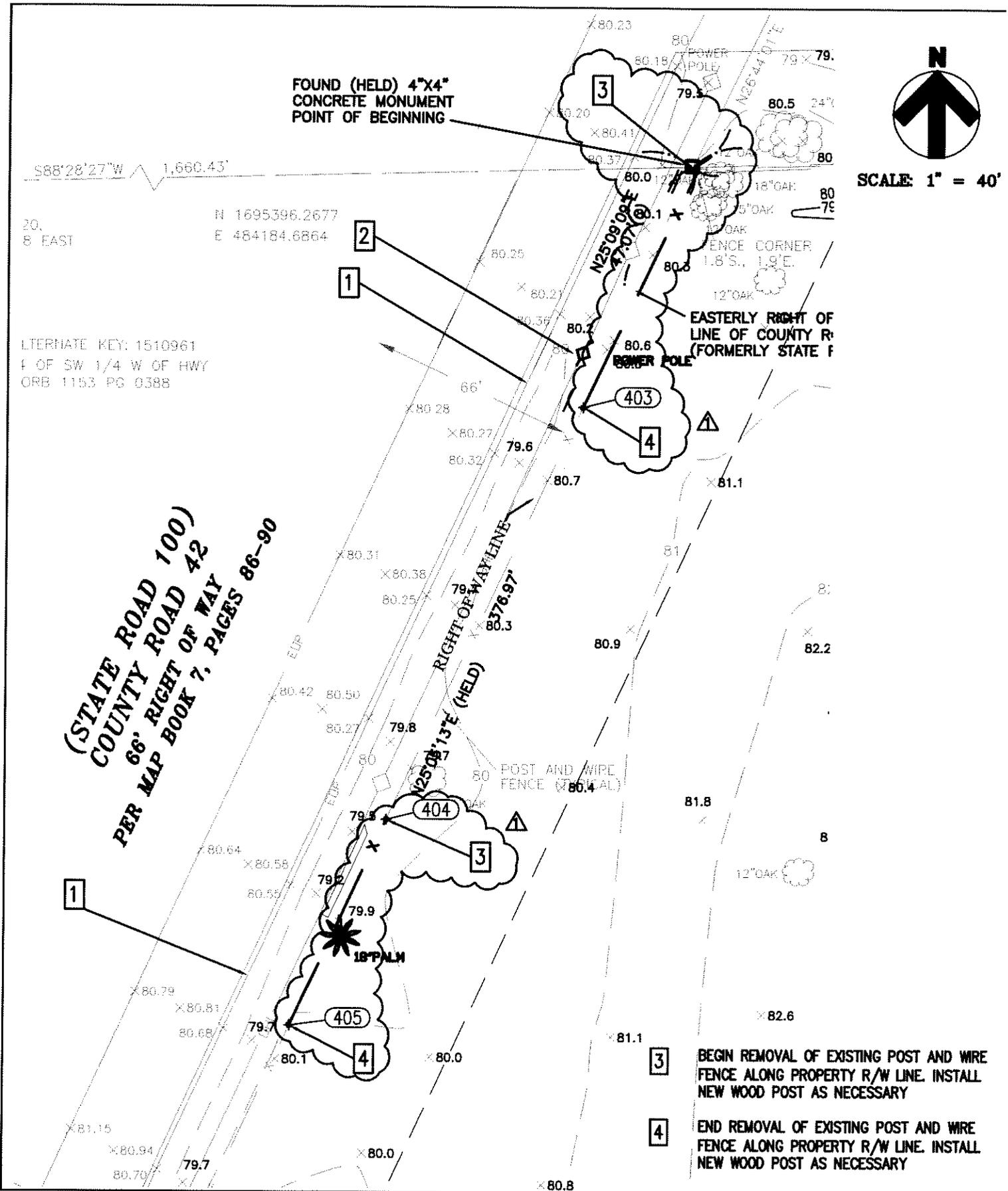
N 1695396.2677
E 484184.6864

ALTERNATE KEY: 1510961
1/4 OF SW 1/4 W OF HWY
ORB 1153 PG 0388

(STATE ROAD 100)
COUNTY ROAD 42
66' RIGHT OF WAY
PER MAP BOOK 7, PAGES 86-90

3 BEGIN REMOVAL OF EXISTING POST AND WIRE FENCE ALONG PROPERTY R/W LINE. INSTALL NEW WOOD POST AS NECESSARY

4 END REMOVAL OF EXISTING POST AND WIRE FENCE ALONG PROPERTY R/W LINE. INSTALL NEW WOOD POST AS NECESSARY



Stamos Ranaldi
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Oviedo, Florida 32765
ph 407.977.1080 fx 407.977.1019

TITLE: DEMOLITION AND EROSION CONTROL PLAN	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: 1"=40'
By: KLIMA WEEKS	DATE: 02-12-09

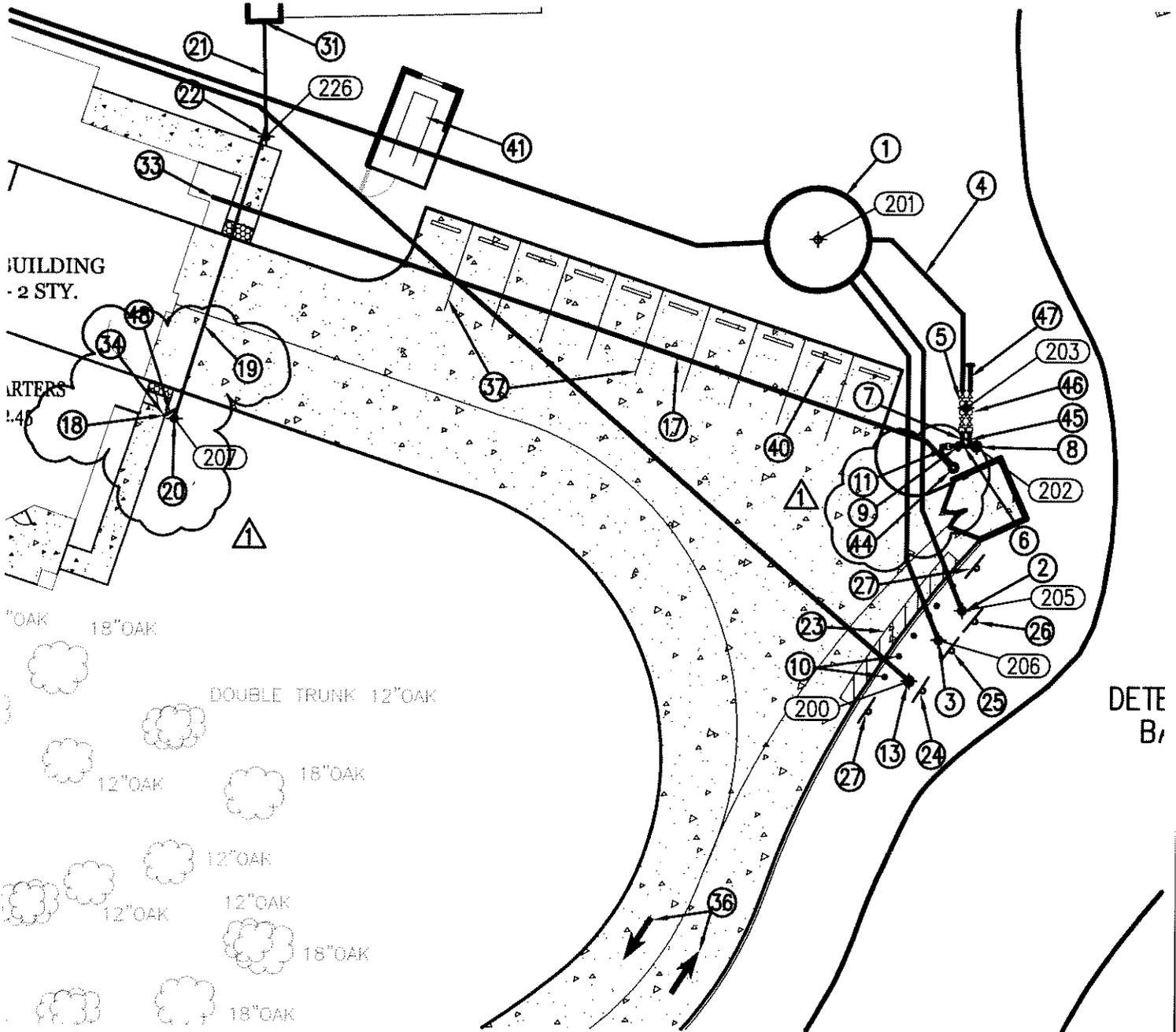
ADD #1
C200

REVISED KEYNOTES

- 18 4" INV. ● 3'-2" BELOW GARAGE FINISHED FLOOR = 78.78
- 19 61 LF. 4" PVC ● 4.55% MIN.
- 20 CLEANOUT INV. = 78.72
- 34 REFER TO PLUMBING PLANS FOR SANITARY LINE CONTINUATION INTO BLDG.



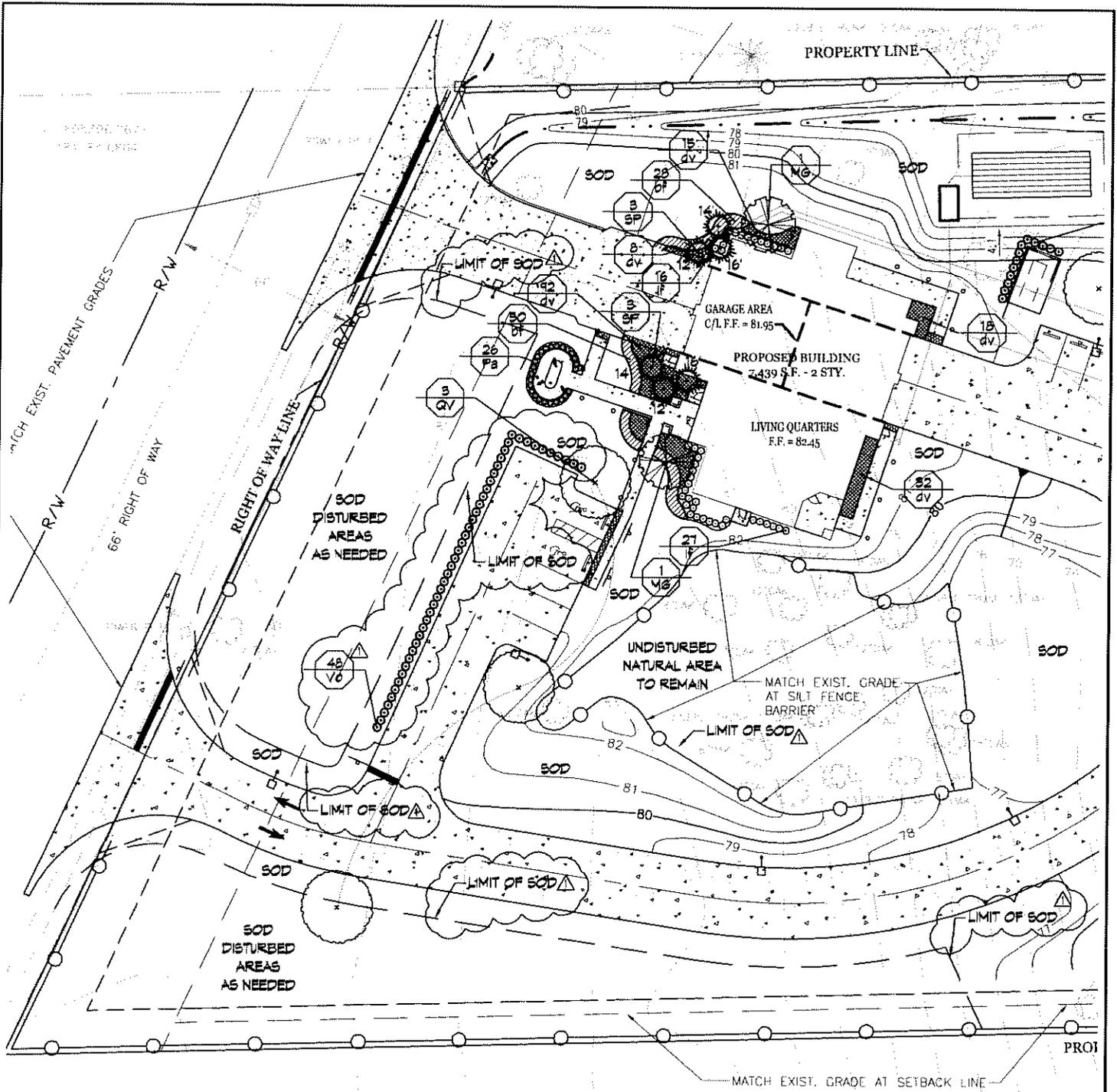
SCALE: 1" = 30'



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 820 West Broadway Street, Suite 3000
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TITLE: UTILITY, STRIPING & SIGNAGE PLAN	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: NO SCALE
By: KLIMA WEEKS	DATE: 02-12-09

ADD #1
 C600



2008.119



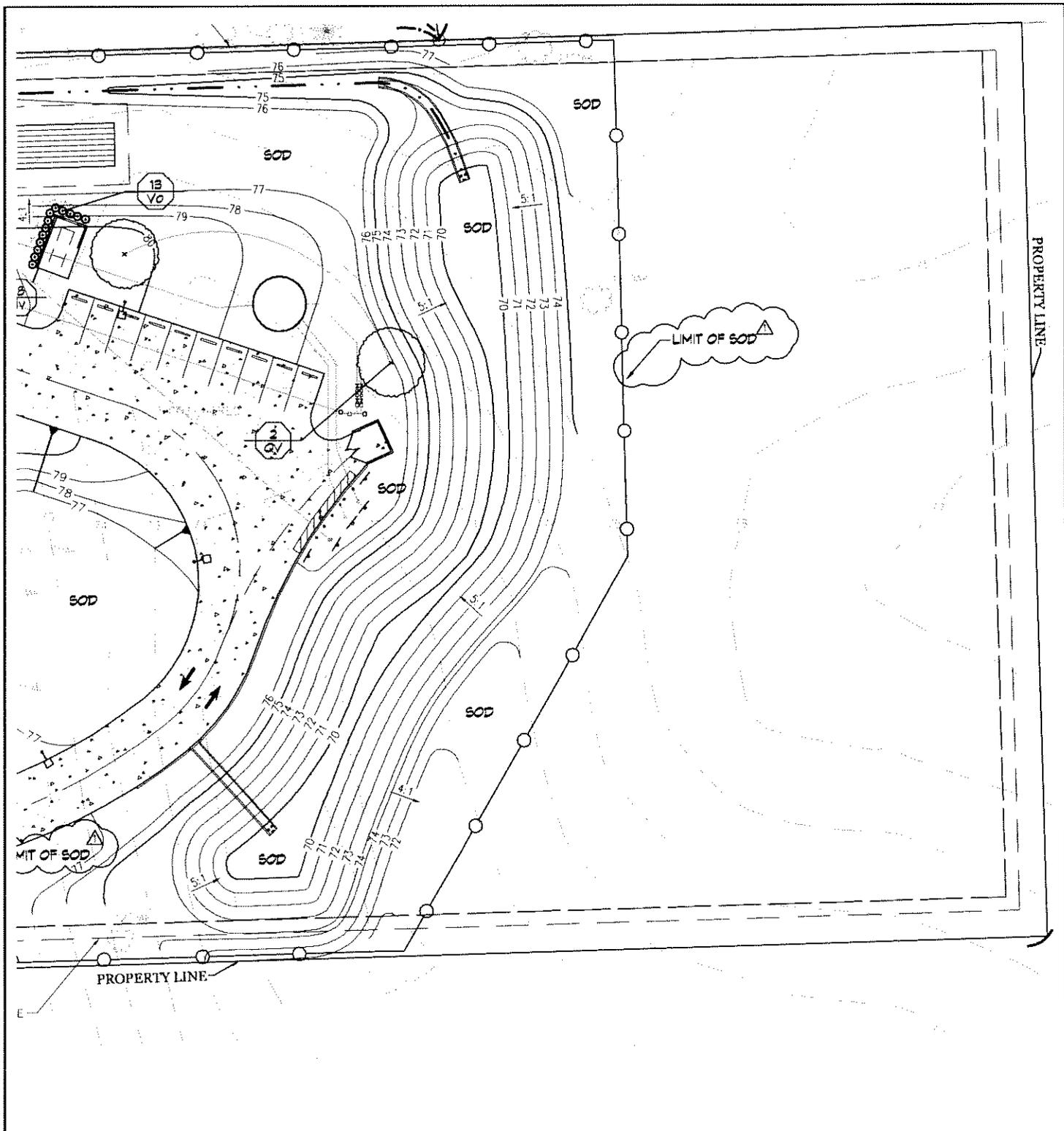
BONNETT design group, llc
 landscape architecture • land planning
 Ft. LC 26600341
 P.O. Box 948035, Maitland, FL 32794-8035
 407.463.0136 voice • 407.358.5363 fax
 www.BonnettDesignGroup.com



Starmer Ranaldi
 Planning and Architecture Inc.
 820 West Broadway Street, Suite 3000
 Oviedo, Florida 32765
 ph 407.977.1080 fx 407.973.1019

TITLE: Addendum #1 Sheet L100-A	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: 1"=50'-0"
By: BDC	DATE: 02-12-09

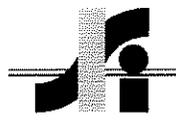
ADD #1
L100-A



2008.119



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 landscape architecture · land planning
 FL LIC 26000347
 P.O. Box 948015, Maitland, FL 32794-8015
 407.463.0136 voice · 407.358.5363 fax
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Starmer Ranaldi
 Planning and Architecture llc
 820 West Broadway Street, Suite 3000
 Oviedo, Florida 32765
 ph 407.977.1080 fx 407.977.1019

TITLE: Addendum #1 Sheet L100-B	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: 1"=50'-0"
By: BDG	DATE: 02-12-09

ADD #1
 L100-B

SOD

1

Refer to Landscape Plan for limits of sod.

All areas disturbed by construction (including material staging, equipment storage, temporary facilities, site access, construction staff parking, etc.) beyond the minimum limits of sod as shown on the Landscape Plan shall be sodded as needed.

All lawn areas to receive sod shall be disked four (4) to six (6) inches and graded to establish a level finished grade ensuring positive drainage from all structures. All debris shall be removed from the site.

Sod shall be free of weeds and pests. It shall be laid evenly with tight fitting joints and rolled. The sod shall contain moist soil which does not fall apart or tear when lifted.

See plant list for specific sod species and locations.

See 'Fertilizer' for requirements of all sodded areas.

2008.119



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820 West Broadway Street, Suite 3000
Oviedo, Florida 32765
ph 407.977.1080 fx 407.977.1019

TITLE:	Addendum #1 Sheet L101-D		
PROJECT:	PAISLEY FIRE STATION		
Project No.:	07010	SCALE:	N/A
By:	BDG	DATE:	02-12-09

ADD #1
L101-D

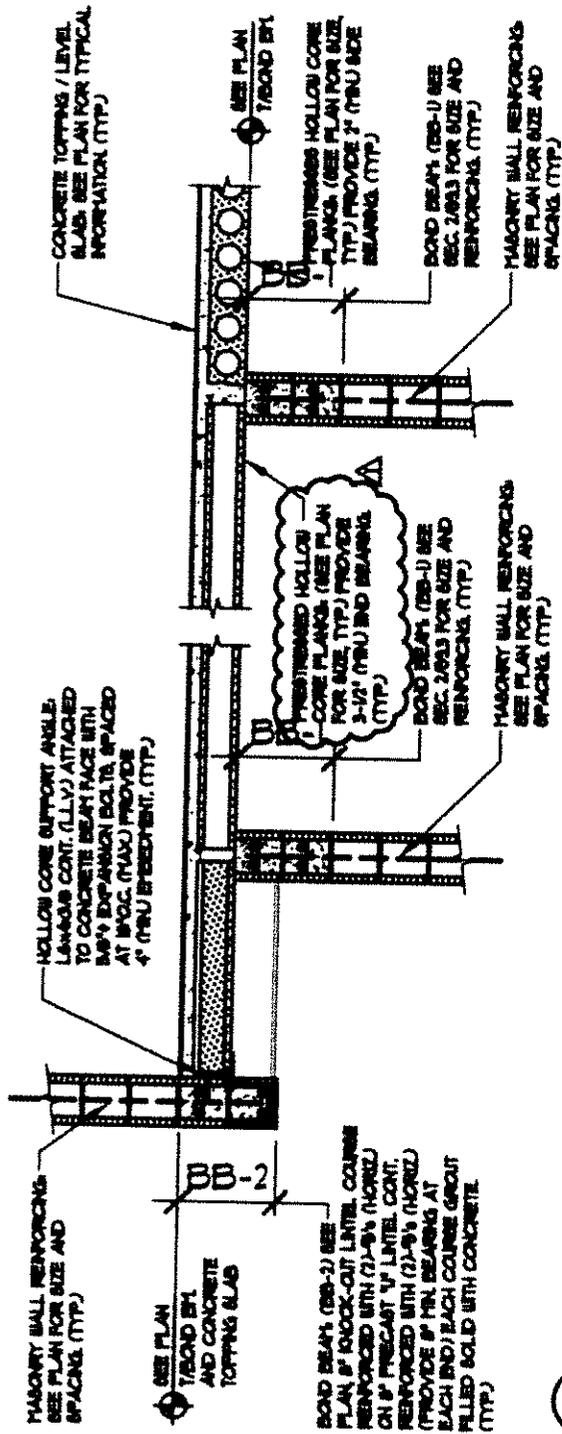
PRECAST CONCRETE (CONT)

PC-8 PRECAST PANEL ERECTION IS TO BE VISUALLY INSPECTED BY ENGINEER OF RECORD PRIOR TO POURING CONCRETE TOPPING.

PC-9 CONCRETE TOPPING TO BE REINFORCED WITH POLYPROPYLENE AND BE A MINIMUM OF 2" THICK.

PC-10 MINIMUM BEARING FOR PRECAST PANELS SHALL BE 3-1/2".





5 SECTION
S-3 SCALE: 3/4"=1'-0"

MITZO ENGINEERING, LLC
 STRUCTURAL CONSULTANTS
 670 NORTH ORLANDO AVE., SUITE 103A
 MAITLAND, FLORIDA 32751
 PHONE: (407) 844-1800
 FAX: (407) 844-1782

Paisley Fire Station

Marion County, Florida

supplement to drawing:	S9.3
drawn by:	WMM
project coordinator:	WMM
project manager:	WMM

date: Feb 12, 2009

SKS-2

EXTERIOR VENEER: SEE ARCH'L. DRAWINGS FOR LIMITS / EXTENTS. (TYP.)

VENEER (BRICK) SUPPORT ANGLE: 5x5x5/16 CONT. (GALV.) ATTACHED TO MASONRY FACE WITH 1/2" ϕ EXPANSION BOLTS, AT 24" O.C. (MAX.) PROVIDE 4" (MIN.) EMBEDMENT. (TYP.)

SEE PLAN
T/BOND BM.

BB-1

CONCRETE TOPPING / LEVELING SLAB: SEE PLAN FOR TYPICAL INFORMATION. (TYP.)

SEE PLAN
T/CONCRETE TOPPING SLAB

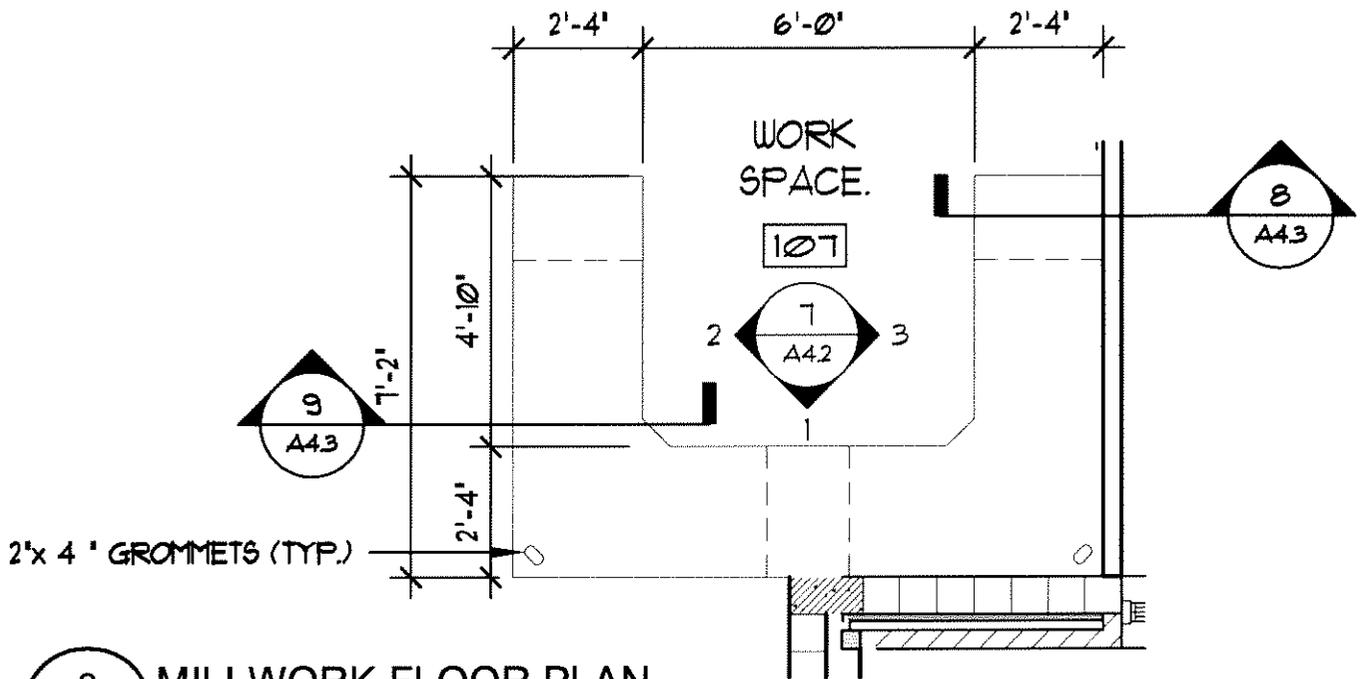
BOND BEAM: (BB-1) SEE PLAN AND SEC. 1/59.4 FOR SIZE AND REINFORCING. (TYP.)

FRESTRESSES HOLLOW CORE PLANKS: (SEE PLAN FOR SIZE, TYP.) PROVIDE 3-1/2" (MIN.) END BEARING. (TYP.)

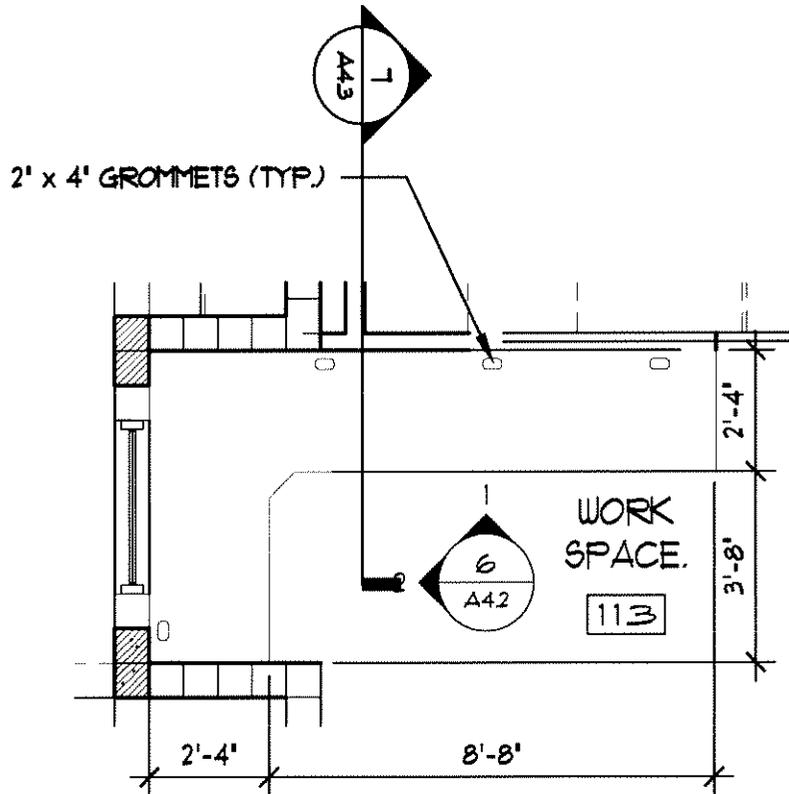
PROVIDE "DUR-O-STOP" CONT. UNDER ALL BOND BEAMS. (TYP.)

HOLLOW CORE SUPPORT ANGLE: L6x4x3/8 CONT. (LL.V.) ATTACHED TO CONCRETE BEAM FACE WITH 5/8" ϕ EXPANSION BOLTS, SPACED AT 18" O.C. (MAX.) PROVIDE 4" (MIN.) EMBEDMENT. (TYP.)

5 SECTION
S9.4 SCALE: 3/4"=1'-0"



8 MILLWORK FLOOR PLAN
 A4.1 SCALE: NTS



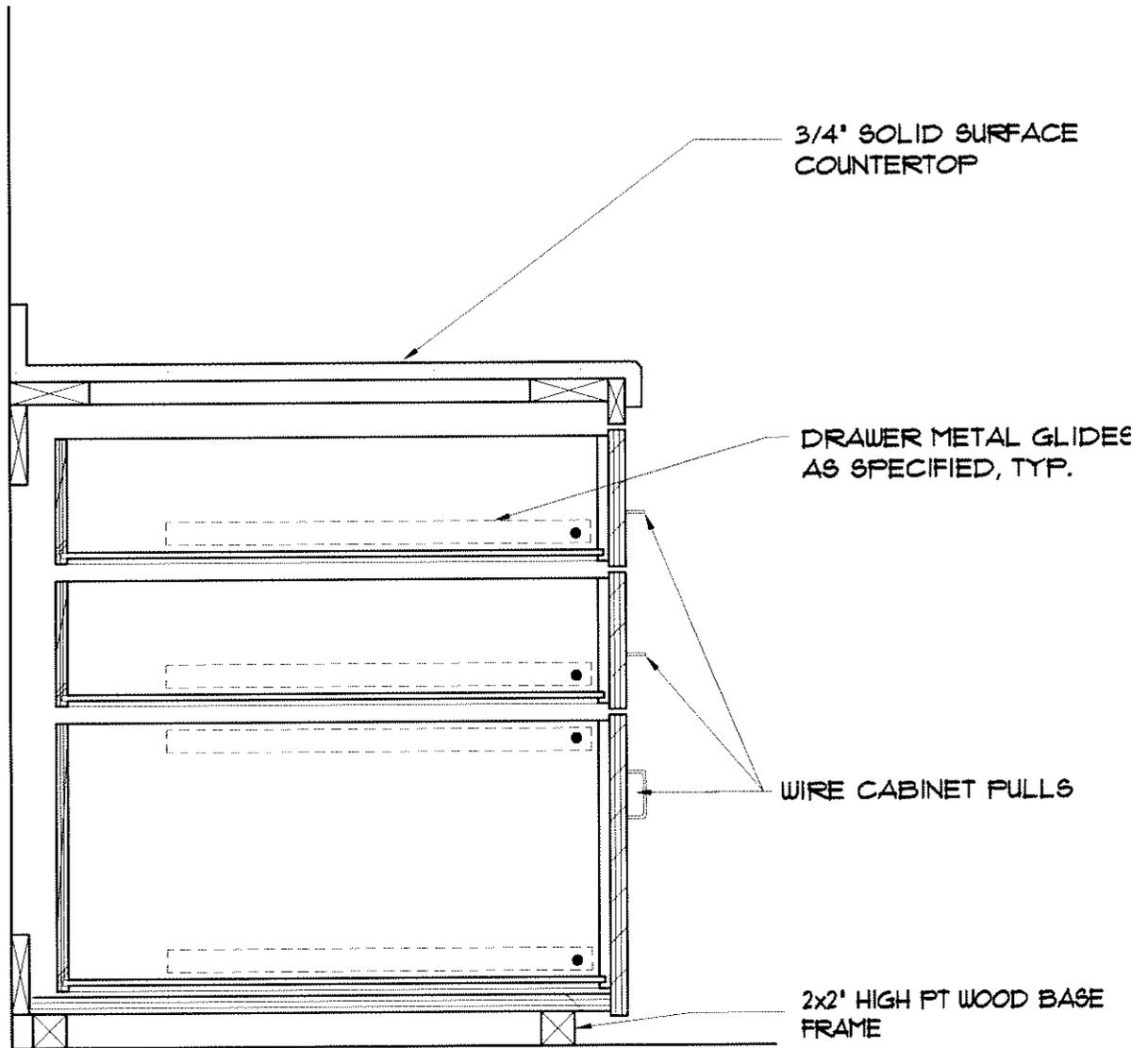
5 MILLWORK FLOOR PLAN
 A4.1 SCALE: NTS



Garner Ranaldi
 Planning and Architecture Inc
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TITLE: MILLWORK PLANS	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-1.1



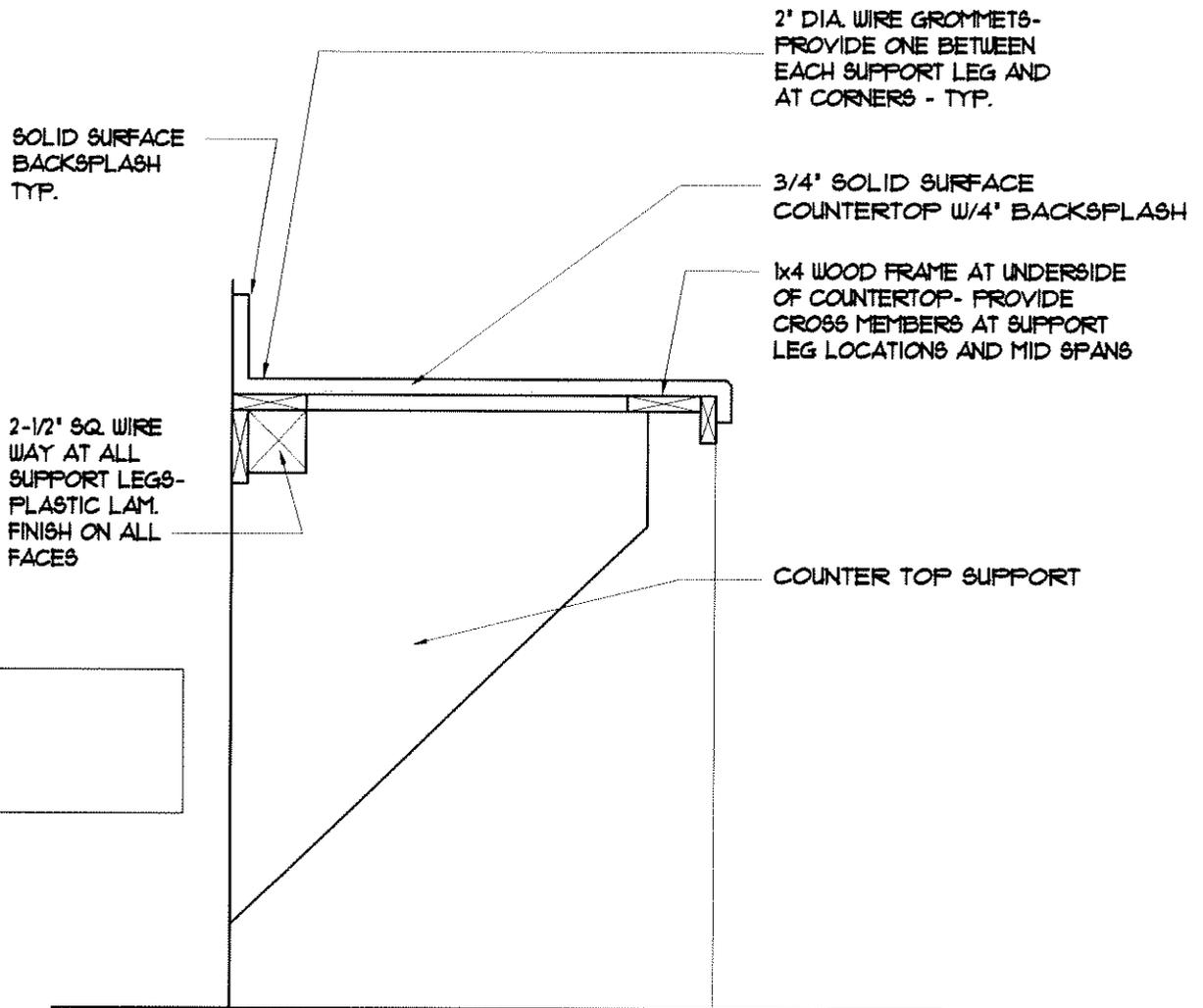
8 MILLWORK SECTION
 A4.3 SCALE: NTS



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TITLE: MILLWORK PLANS	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-3.2



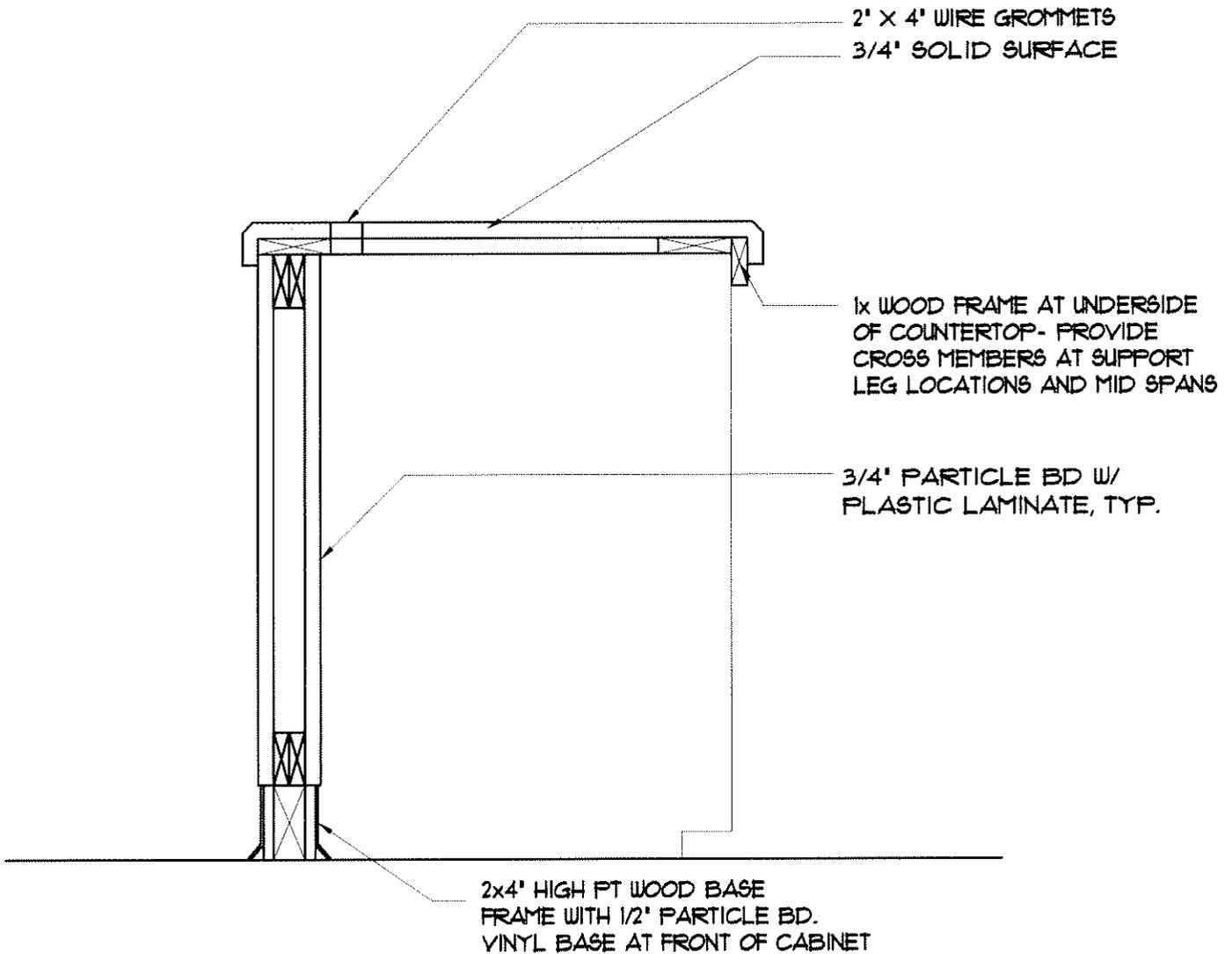
7 MILLWORK SECTION
 A4.3 SCALE: NTS



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TITLE: MILLWORK PLANS	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-3.3



9 MILLWORK SECTION
A4.3 SCALE: NTS

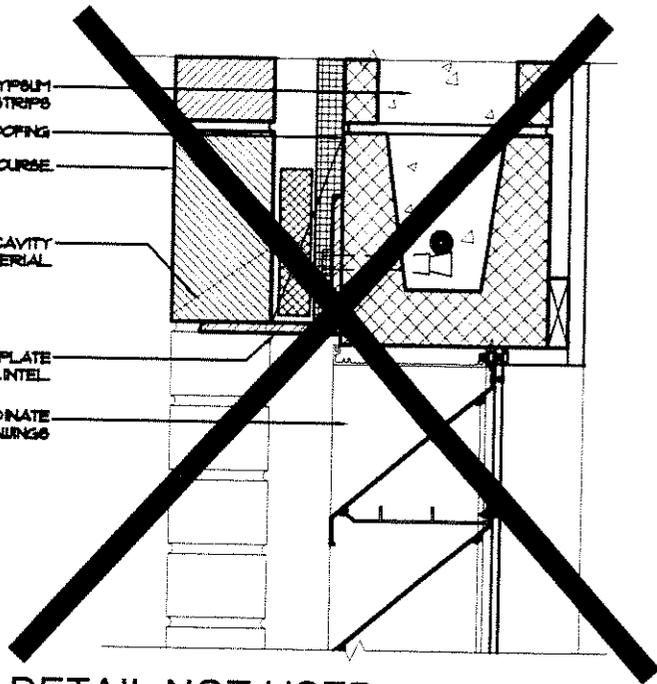


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TITLE: MILLWORK PLANS	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

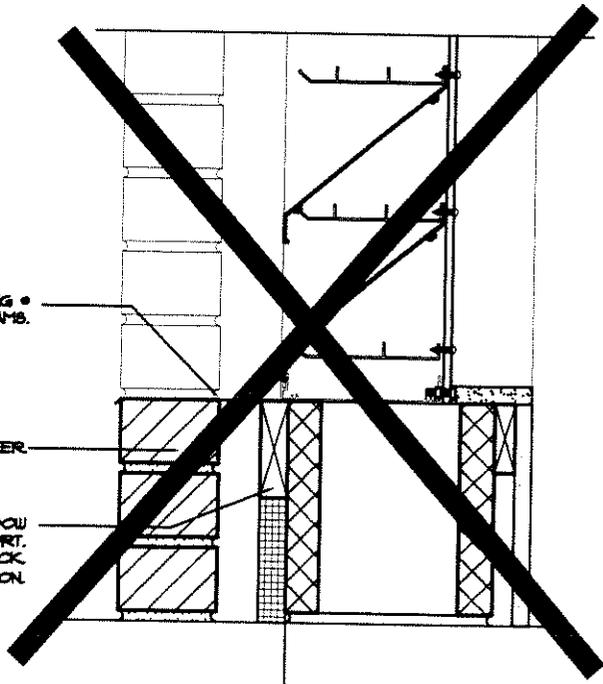
ADD # 1
A4-3.4

8" CMU WALL W/ 5/8 GYPSUM BOARD ON 3/4" FURRING STRIPS
 BITUMINOUS WATERPROOFING
 BRICK ROULOCK COURSE
 WEEP HOLE W/ CAVITY DRAINAGE MATERIAL
 STEEL ANGLE AND PLATE
 BRICK LINTEL
 ALUMINUM LOUVER COORDINATE SIZE WITH MECH DRAWINGS



3 LOUVER HEAD DETAIL NOT USED
 A8.2 SCALE: 3"=1'0"

ALUMINUM PAN FLASHING • SILLS W/ TURNED UP END DAMS
 4" MASONRY VENEER
 P.T. 2X4 BLOCKING • WINDOW SILLS FOR EDGE SUPPORT, BOLT TO BLOCK
 2" RIGID INSULATION



2 LOUVER SILL DETAIL NOT USED
 A8.2 SCALE: 3"=1'0"



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TITLE: WINDOW DETAIL	
PROJECT: PAISLEY FIRE STATION	
Project No: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A8-2.7

LAMINATED FINISH OVER 2 LAYER
OF 3/4" PARTICLE BOARD
1 x 3 ATTACHED TO PARTICLE
BOARD LAYERS W/ LAMINATED
FINISH

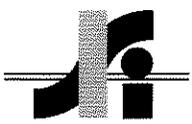
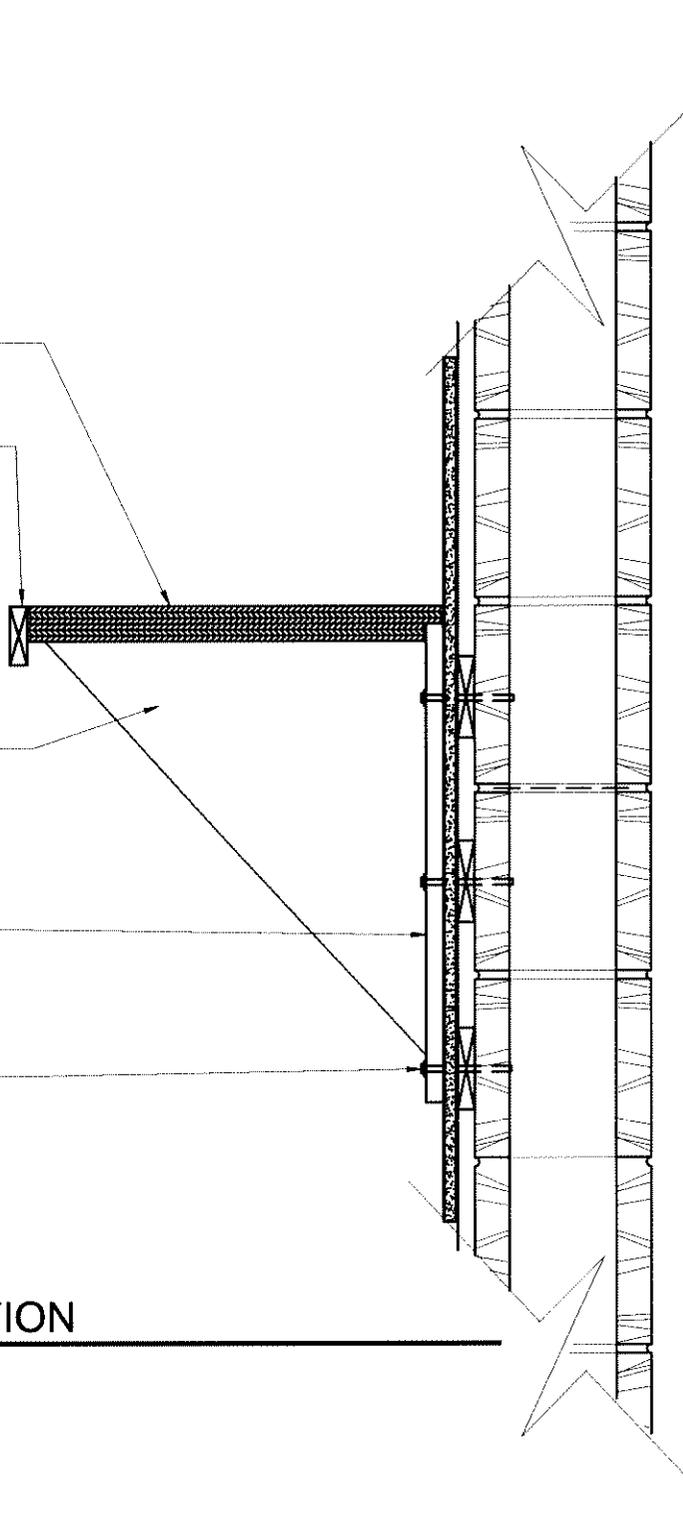
2 LAYER OF 3/4" PARTICLE
BOARD BRACING THE
SHELVING W/ LAMINATED FINISH
(MAX SPACING 30")

1 x 4 ATTACHED TO CONCRETE
WALL BLOCK

1/4" FLAT CONCRETE SCREW
BY TAP-CON

10 MILLWORK SECTION
A4.3 SCALE: NTS

. GLIDES



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TITLE: MILLWORK PLANS	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
A4-3.8

1 x ATTACHED TO (2) LAYERS OF PARTICLE BOARD W/ LAMINATED FINISH

2 LAYER OF 3/4" PARTICLE BOARD BRACING THE SHELVING W/ LAMINATED FINISH (MAX SPACING 30")

LAMINATED FINISH OVER 2 LAYER OF 3/4" PARTICLE BD

STEEL-BRIGHT ZINC PLATED (US2C) HEAVY DUTY STORAGE HOOK BY STANLEY. (MAX LOAD 10 LBS).

1 x 4 ATTACHED TO CONCRETE WALL BLOCK (SEE ELEVATION 1 FOR SPACING).

1/4" x 3-1/4" FLAT CONCRETE SCREW BY TAP-CON

THIS SECTION PERTAINS TO 119, 124, 125, 127 AND 128 SPACES.

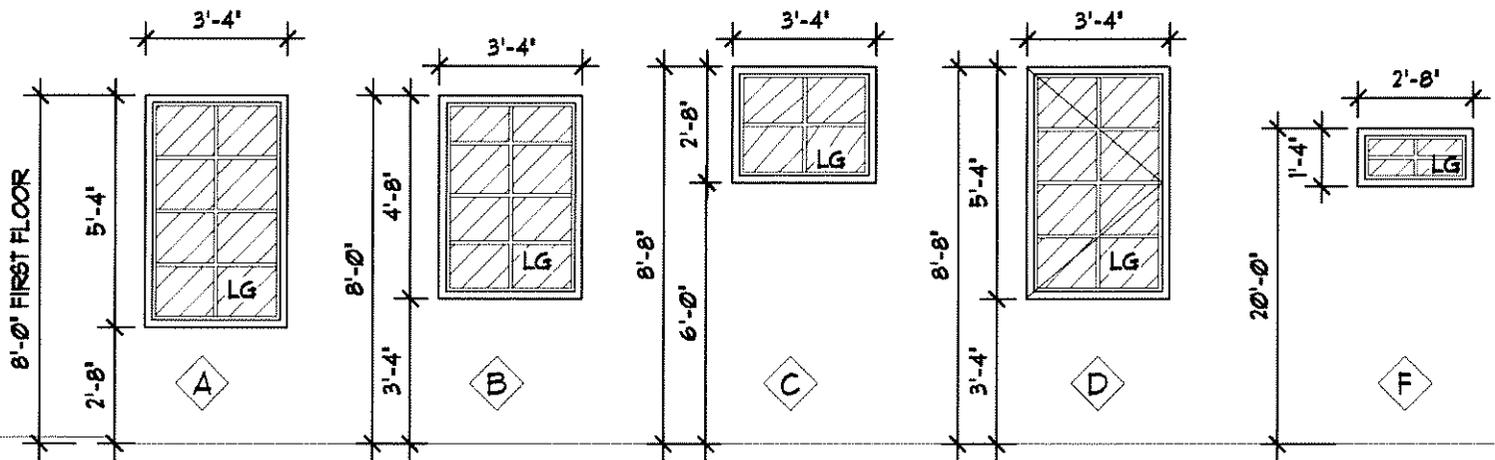
6 MILLWORK SECTION
A4.3 SCALE: NTS



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TITLE: GEAR STORAGE SECTION
PROJECT: PAISLEY FIRE STATION
Project No.: 07010 SCALE: N.T.S.
By: SRI DATE: 02-12-09

ADD # 1
A4-3.9



2

ALUMINUM WINDOW TYPES

A7.1 SCALE: NTS

1. PROVIDE LAMINATED SAFETY GLAZING & TINTED AT ALL EXTERIOR DOOR/WINDOW UNITS.
2. REFER TO FLOOR PLAN TO COORDINATE WALL CONDITION @ WINDOW.
3. WINDOW AND DOOR ASSEMBLIES SHALL BE ANCHORED IN ACCORDANCE WITH THE PUBLISHED MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE THE DESIGN PRESSURE SPECIFIED.
4. WEATHERSTRIP AT TOP AND BOTH SIDES OF DOOR
5. CONCRETE LINTEL AT HEAD MUST BE CUT TO ALLOW CMU COURSING.

6. 1HR FIRE RATED WINDOW



-

DOOR AND WINDOW LEGEND

A7.1 SCALE: NTS

WINDOW SCHEDULE

X MARK SYMBOL

WINDOW TYPE	SIZE		MAT	FRAME			NOTES:	WIND LOADS	
	WIDTH	HEIGHT		HEAD	JAMB	SILL		POS. PRESS	NEG. PRESS
A	3'-4"	5'-4"	AL	6-AB2	4-AB2	5-AB2	1	59.27	-77.84
B	3'-4"	4'-8"	AL	6-AB2	4-AB2	5-AB2	1	59.01	-79.91
C	3'-4"	3'-0"	AL	6-AB2	4-AB2	5-AB2	12	61.58	-66.79
D	3'-4"	5'-4"	AL	6-AB2	4-AB2	5-AB2	12	61.58	-66.79
F	2'-10"	1'-4"	AL	6-AB2	4-AB2	5-AB2	12	61.58	-66.79
G	3'-4"	4'-0"	HM	8-AB2	8-AB2 (SIM.)	7-AB2	6	--	--

-

WINDOW SCHEDULE

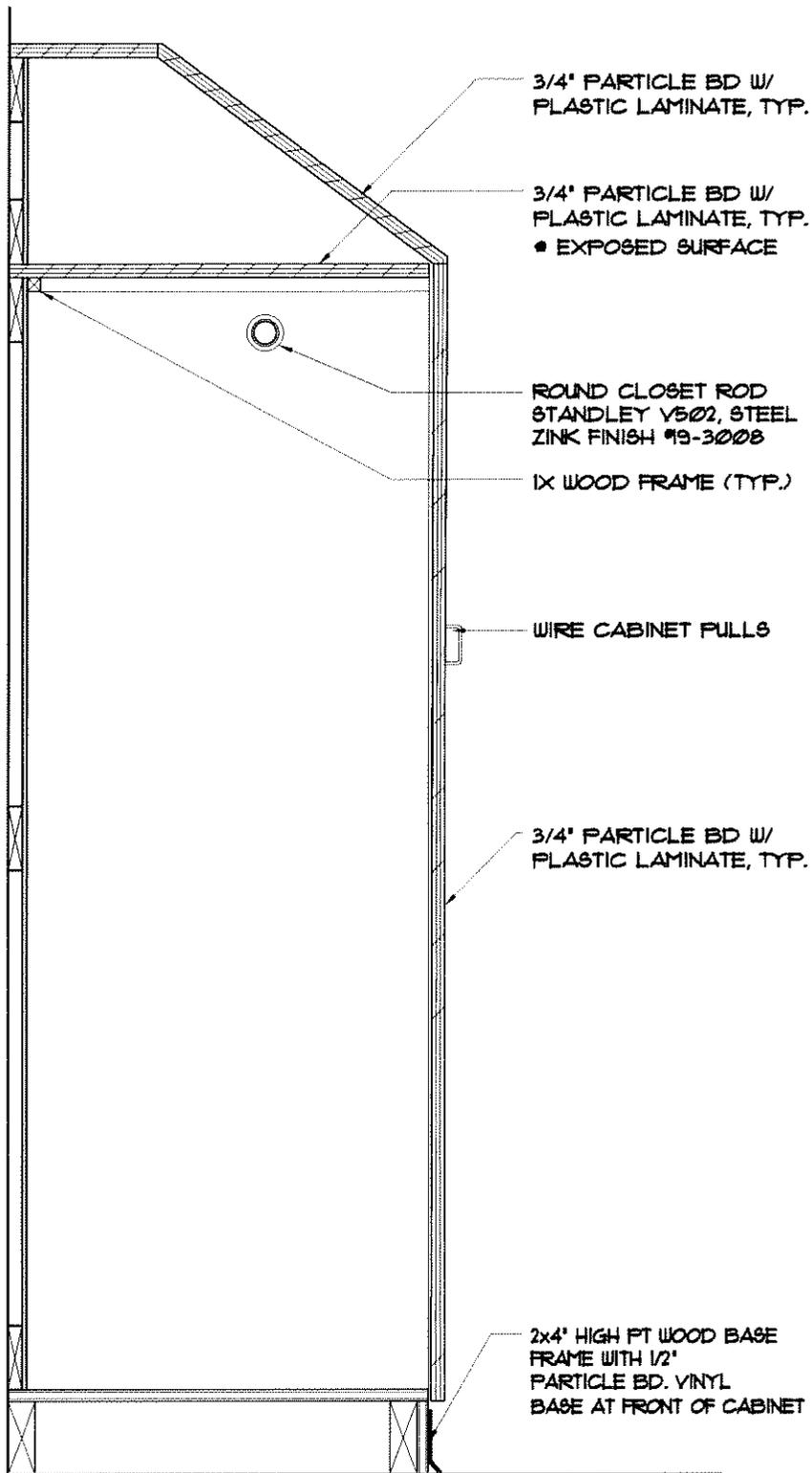
A7.1 SCALE: NTS



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TITLE: WINDOW SCHEDULES
 PROJECT: FAISLEY FIRE STATION
 Project No.: 07010 SCALE: N.T.S.
 By: GRI DATE: 02-12-09

ADD # 1
 A7-19



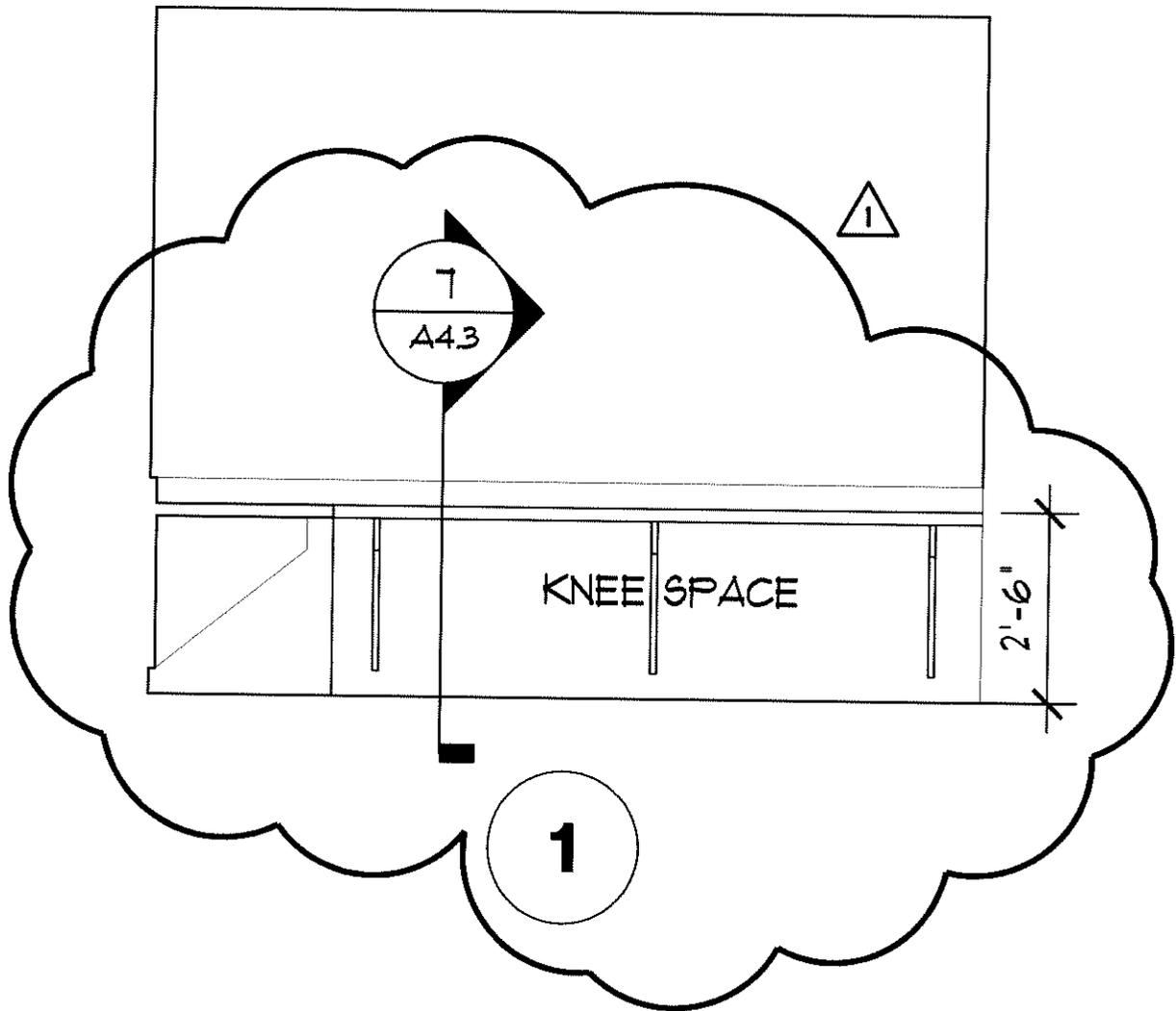
4 FULL HEIGHT LOCKER SECTION
 A4.3 SCALE: NTS



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TITLE: GEAR STORAGE SECTION	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-3.10



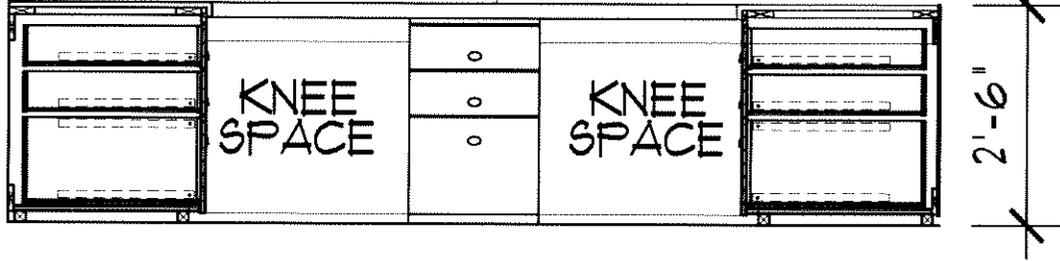
6 CASEWORK ELEVATION SPACE 113
 A4.2 SCALE: NTS



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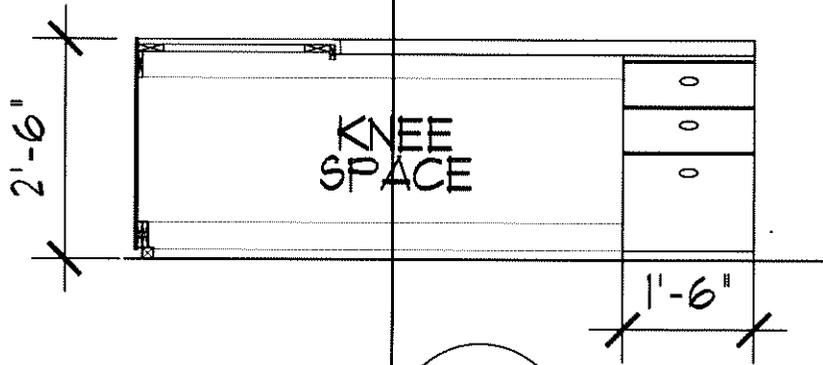
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PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-2.11



1

9
A4.3



2

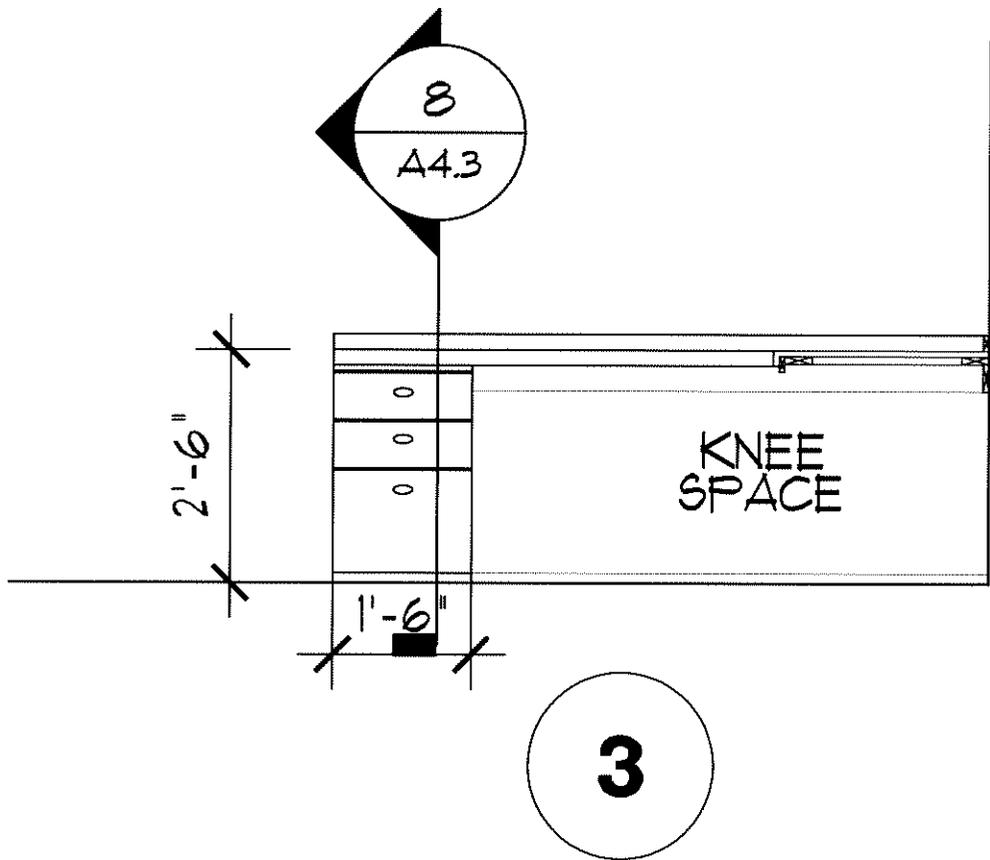
7 CASEWORK ELEVATION SPACE 107
A4.2 SCALE: NTS



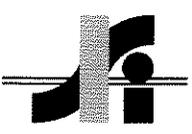
Summer Ranaldi
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 Oviedo, Florida 32765
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TITLE: CASEWORK ELEVATION	
PROJECT: FAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
A4-212



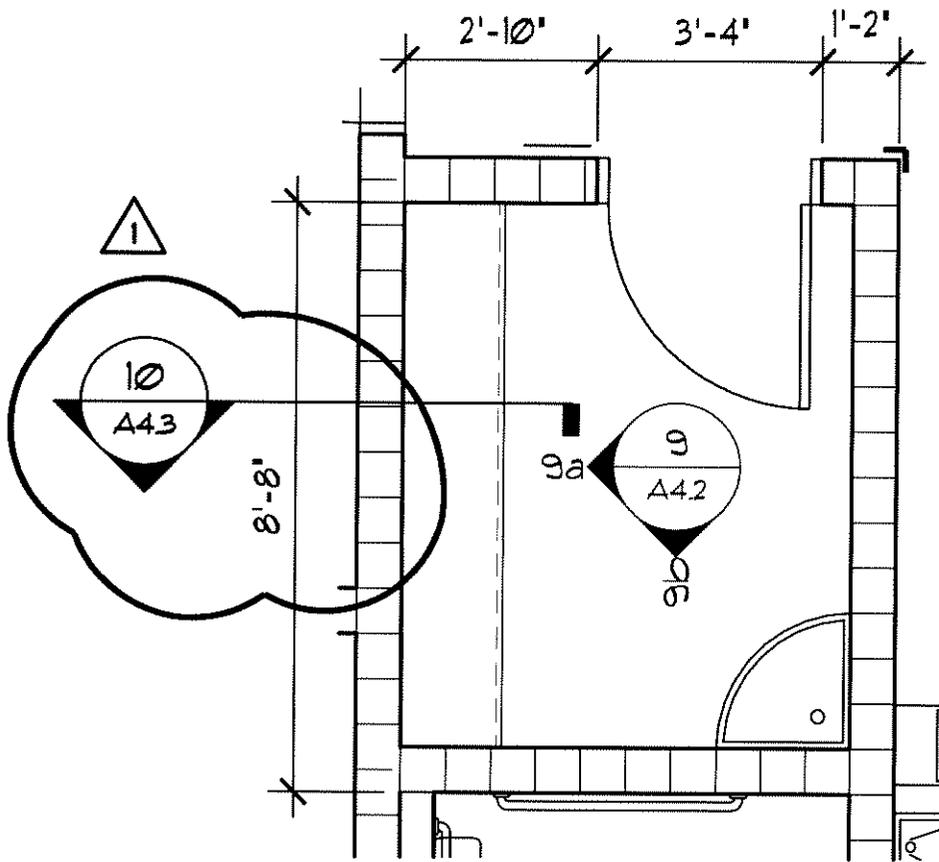
7 CASEWORK ELEVATION
 A4.2 SCALE: NTS



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TITLE: CASEWORK ELEVATION	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-2.13



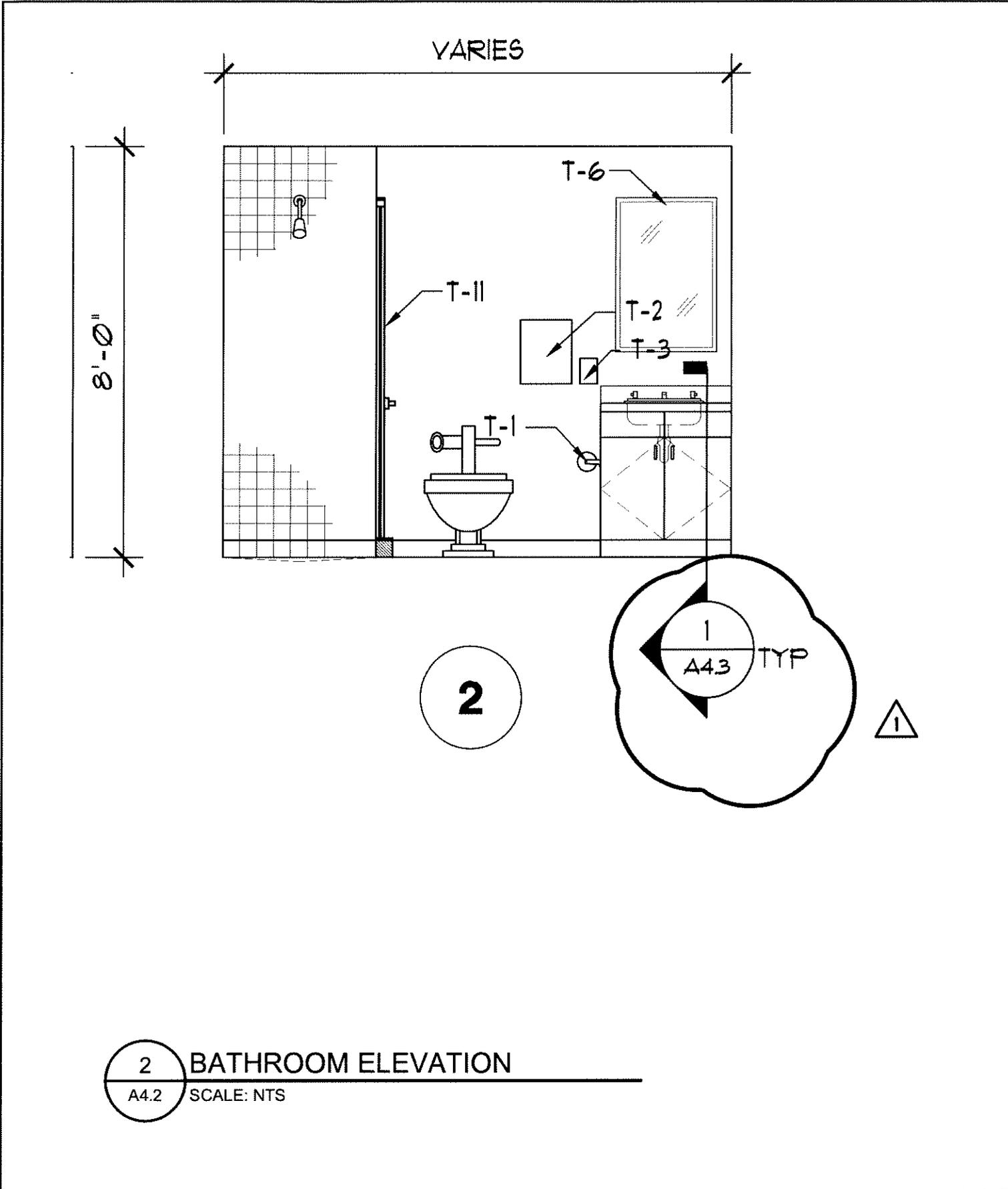
9
MED STORAGE FLOOR PLAN RM 111
A4.2 SCALE: NTS



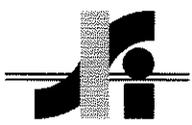
Summer Ranaldi
 Planning and Architecture Inc
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 Oviedo, Florida 32765
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TITLE: MED STORAGE FLOOR PLAN	
PROJECT: PAISLEY FIRE STATION	
Project No.: 0700	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
A4-214



2
BATHROOM ELEVATION
 A4.2 SCALE: NTS



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 Oviedo, Florida 32765
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TITLE: MED STORAGE FLOOR PLAN	
PROJECT: FAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-2.15

ITEMS	MARK	DESCRIPTION OF ITEM	MFR / MODEL #	ACTION	NOTES
	G	LIFE SAFETY EQUIPMENT			
	G1	SEMI-RECESSED FIRE EXT. CABINET & BRACKET		C	
	G2	WALL MOUNTED FIRE EXT. & BRACKET		C	

NOTES:

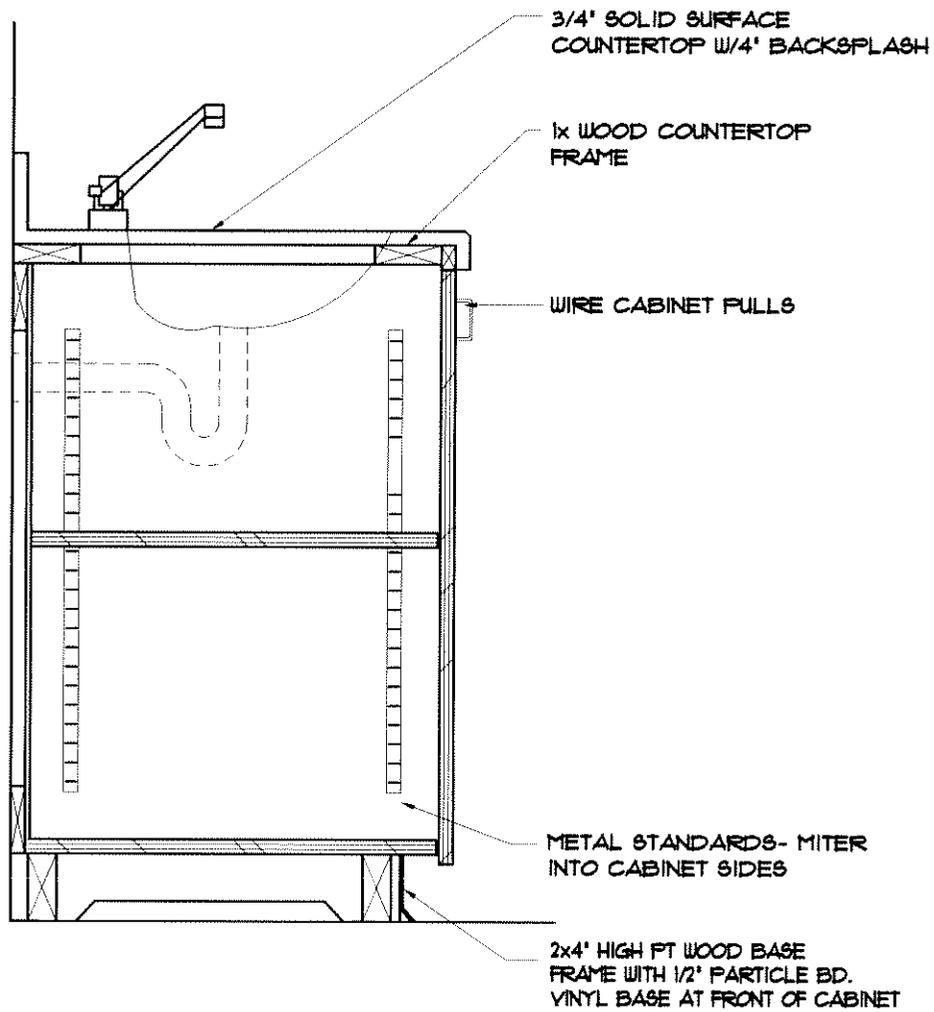
1. PROVIDE SURFACE MOUNTED WINDOW TREATMENTS.
2. ALL RESIDENTIAL APPLIANCES WILL BE PROVIDED AND INSTALLED BY CONTRACTOR
3. LOCKERS WILL BE SUPPLIED & INSTALLED BY CONTRACTOR
4. UNIFORM LOCKER TO BE CONSTRUCTED PER DETAIL 4/A4.3



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TITLE: ROOM FINISH SCHEDULE
 PROJECT: PAISLEY FIRE STATION
 Project No.: 07010 SCALE: N.T.S.
 By: SRI DATE: 02-12-09

ADD # 1
 A6-116



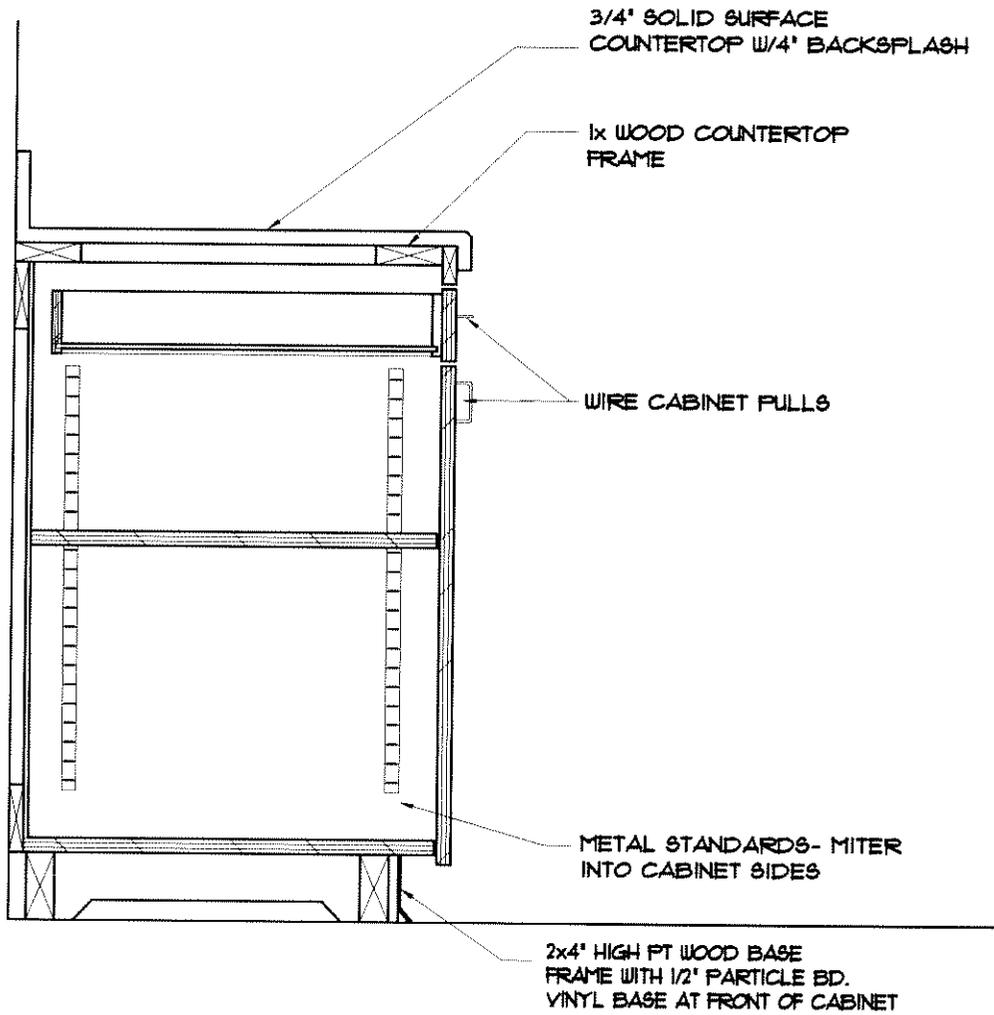
1 BASE CABINET SECTION
A4.3 SCALE: NTS



Summer **Ranaldi**
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 ph 407.977.1080 fx 407.977.1019

TITLE: GEAR STORAGE SECTION	
PROJECT: FAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
A4-317



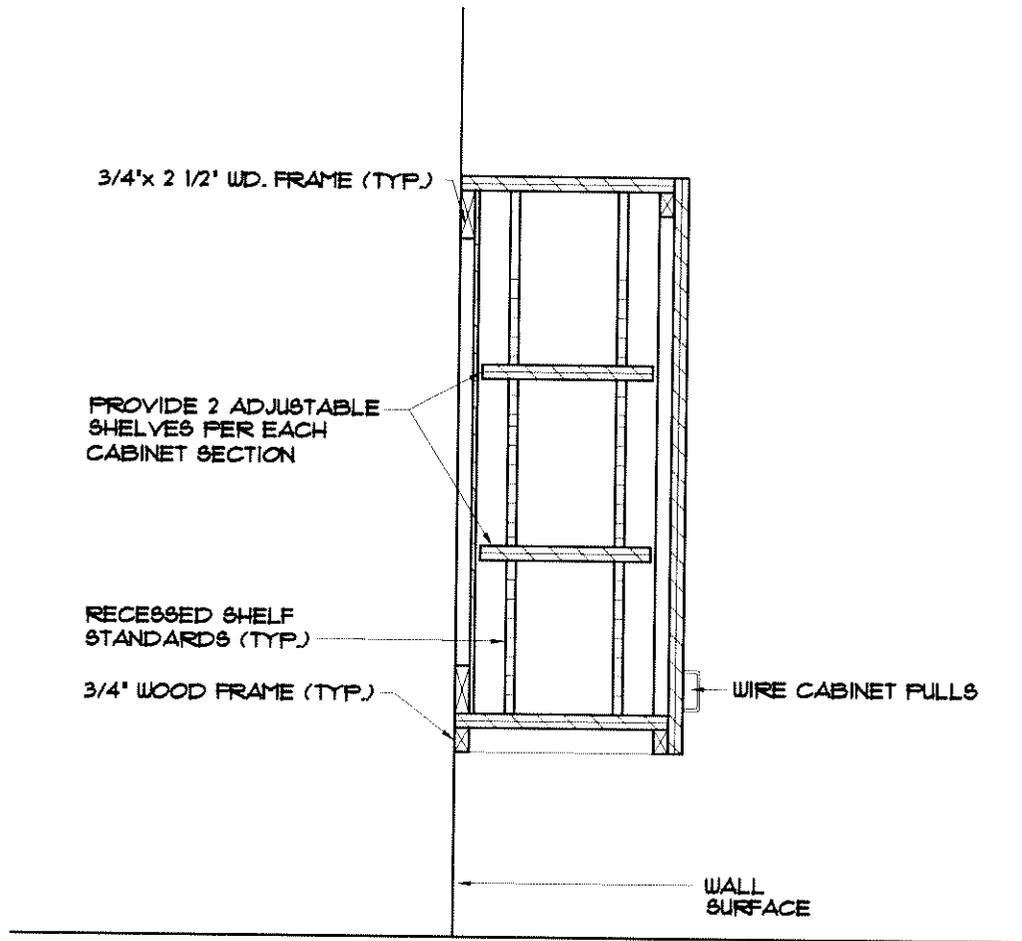
2 BASE CABINET SECTION
A4.3 SCALE: NTS



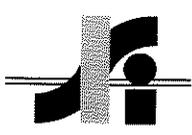
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TITLE: GEAR STORAGE SECTION	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
A4-3.18



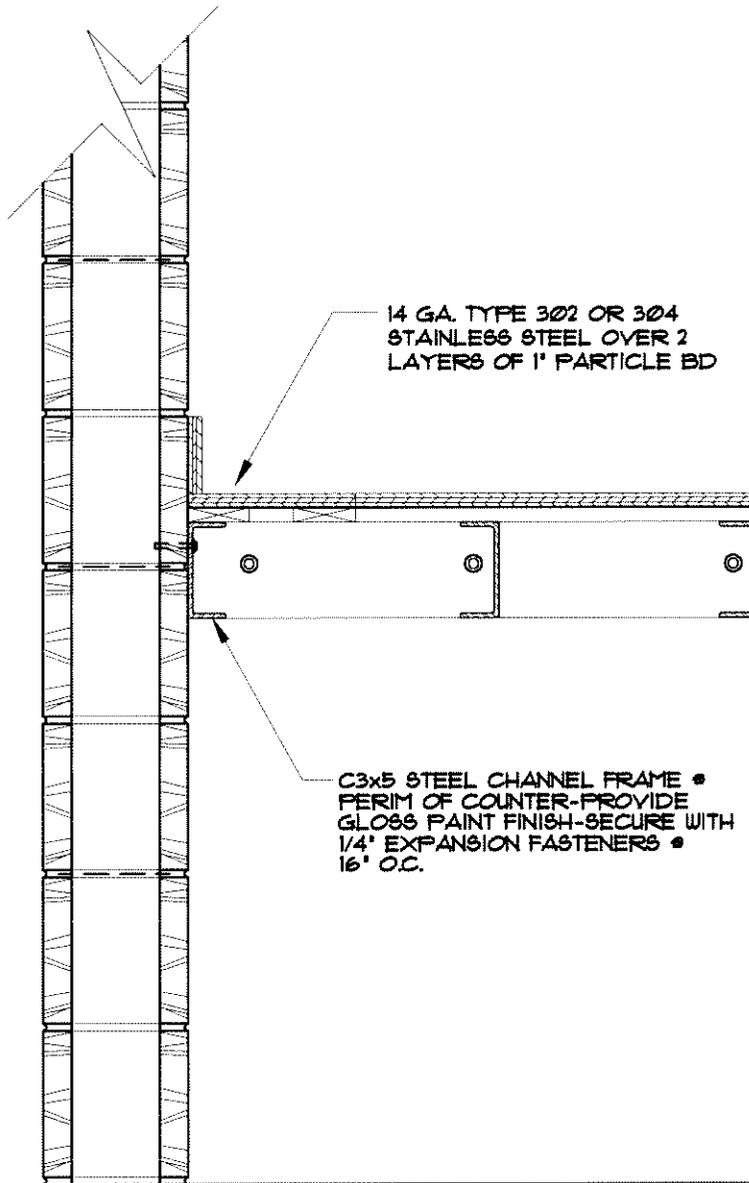
3 WALL CABINET SECTION
 A4.3 SCALE: NTS



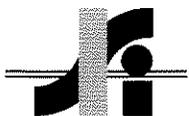
Summer Ranaldi
 Planning and Architecture Inc
 820 West Broadway Street, Suite 3000
 Oviedo, Florida 32765
 ph 407.977.1080 fx 407.977.1019

TITLE: GEAR STORAGE SECTION	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
 A4-3.19



5 WORK BENCH
A4.3 SCALE: NTS



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TITLE: GEAR STORAGE SECTION	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

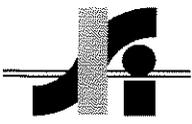
ADD # 1
A4-320

ROOM FINISH SCHEDULE

NUMBER	ROOM NAME	WALLS								FLOOR		CEILING		BASE	NOTES
		NORTH WALL		SOUTH WALL		EAST WALL		WEST WALL		MATL	FINISH	MATL	HEIGHT		
		MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL	FINISH						
100	APPARATUS BAY	WB	D	WB	D	WB	D	WB	D	F4	B	C5	20'-6"	--	--
101	KITCHEN/DINING	WI	A	WI	A	WI	A	WI	A	F2	--	C1	8'-0"	B2	--
102	CORRIDOR	WI	A	WI	A	WI	A	WI	A	F2	--	C1	--	--	--
103	DAY ROOM	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-0"	B2	3
104	ELEC RM	WI	A	WB	A	WB	A	WB	A	F6	--	--	--	B2	--
105	STAIR	WI	A	WI	A	WI	A	WI	A	F1	--	C2	VARIABLE	B2	4
106	OFFICE	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-8"	B2	3
107	WORK SPACE	WI	A	WI	A	WI	A	WI	A	F2	--	C1	8'-0"	B2	3
108	LOBBY	WI	A	WI	A	WI	A	WI	A	F2	--	C1	8'-0"	B2	--
109	MECH.	WI	A	WB	A	WB	A	WB	A	F6	--	C2	8'-0"	B2	--
110	REST ROOM	W2	--	W2	--	W2	--	W2	--	F8	--	C2	8'-0"	B1	1
111	MED. STORAGE	WI	D	WB	D	WB	D	WB	D	F5	--	C2	8'-8"	B2	--
112	TEL	WI	A	WI	A	WI	A	WI	A	F5	--	C2	8'-0"	B2	--
113	WORK SPACE	WI	A	WI	A	WI	A	WI	A	F2	--	C1	8'-0"	--	3
114	RAMP	--	--	--	--	--	--	--	--	B	--	--	--	--	--
116	LALL	WB	A	WB	A	WB	A	WB	A	F4	D	C2	8'-8"	B2	--
117	MED. WASH	WB	D	WB	D	WB	D	WB	D	F4	D	C2	8'-0"	--	--
118	DEPUTY SHERIFF	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-0"	B2	3
119	STOR	WB	A	WB	A	WB	A	WB	A	F4	D	C2	8'-8"	B1	--
120	PUMP ROOM	WB	A	WB	A	WB	A	WB	A	F4	D	C2	8'-8"	B1	--
122	COVERED PATIO	--	--	--	--	--	--	--	--	-	-	C4	--	--	2
124	GEAR STOR	WB	D	WB	D	WB	D	WB	D	F4	B	C2	8'-8"	--	--
125	GEAR STOR	WB	D	WB	D	WB	D	WB	D	F4	B	C2	8'-8"	--	--
126	STOR	WI	A	WI	A	WI	A	WB	A	F4	--	C2	VARIABLE	--	--
127	STOR	WB	D	WB	D	WB	A	WB	A	F4	D	C2	8'-8"	--	--
128	STOR	WB	D	WB	D	WB	A	WB	A	F4	D	C2	8'-8"	--	--
129	FRONT PORCH	--	--	--	--	--	--	--	--	-	-	C4	--	--	2
200	CORRIDOR	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-8"	B2	3
201	F8 DORM	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-8"	B2	3
202	BATH	W2	--	W2	--	W2	--	W2	--	F8	--	C2	8'-0"	B1	1
203	BATH	W2	--	W2	--	W2	--	W2	--	F8	--	C2	8'-0"	B1	1
204	DORM RM	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-8"	B2	3
205	EXERCISE	WI	A	WI	A	WI	A	WI	A	F1	--	C1	8'-8"	B2	3
206	BATH	W2	--	W2	--	W2	--	W2	--	F8	--	C2	8'-0"	B1	1
207	BALCONY	WB	D	WB	D	WB	D	--	--	F4	D	C2	8'-8"	B2	--
208	CUST.	WI	A	WI	A	WI	A	WI	A	F6	--	C2	8'-0"	B2	--

- ROOM FINISH SCHEDULE

A7.1 SCALE: NTS



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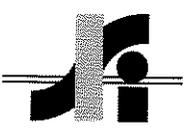
TITLE: ROOM FINISH SCHEDULE	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SRI	DATE: 02-12-09

ADD # 1
A7-121

DOOR AND FRAME SCHEDULE

MARK	ROOM	TYPE	DOOR			SIZE			FRAME				HARDWARE		SIGN TYPE	FIRE RATING	GLAZING
			MATERIAL	WIDTH	HEIGHT	THK	MATERIAL	TYPE	MATERIAL	HEAD	JAMB	THRES	SET NUMBER	GLAZING			
100A	100	G	80	14'-0"	8'-0"	1"	H1	H1	H1	H1	H1	14/AB1	21	--	--	LG	
100B	100	G	80	14'-0"	8'-0"	1"	H1	H1	H1	H1	H1	14/AB1	21	--	--	LG	
100C	100	C	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	1	--	--	LG	
100D	100	C	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	1	--	--	LG	
100E	100	G	80	14'-0"	8'-0"	1"	H1	H1	H1	H1	H1	14/AB1	21	--	--	LG	
100F	100	G	80	14'-0"	8'-0"	1"	H1	H1	H1	H1	H1	14/AB1	21	--	--	LG	
102A	102	C	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	2	--	--	LG	
102B	102	B	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	3	--	--	LG	
104	104	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	5	6-0 MIN	6-0 MIN	FRG	
106	106	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	6	--	--	--	
108	108	C	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	4	--	--	--	
109	109	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	5	--	--	--	
110	110	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	2/AB1	1	--	--	--	
111	111	F	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	2/AB1	1	--	--	FRG	
112	112	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	2/AB1	1	--	--	--	
116	116	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	--	--	FRG	
117	117	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
118	118	B	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
118A	118	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
118	118	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
120	120	A	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
126	126	F	SCUD	2'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
127	127	H	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
128	128	H	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	1/AB1	10	6-0 MIN	6-0 MIN	FRG	
202	202	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	22	--	--	--	
203	203	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	22	--	--	--	
204	204	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	22	--	--	--	
206	206	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	22	--	--	--	
207	207	B	H1	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	22	6-0 MIN	6-0 MIN	FRG	
208	208	A	SCUD	3'-0"	1'-0"	1 3/4"	H1	H1	H1	H1	H1	6/AB1	22	6-0 MIN	6-0 MIN	FRG	

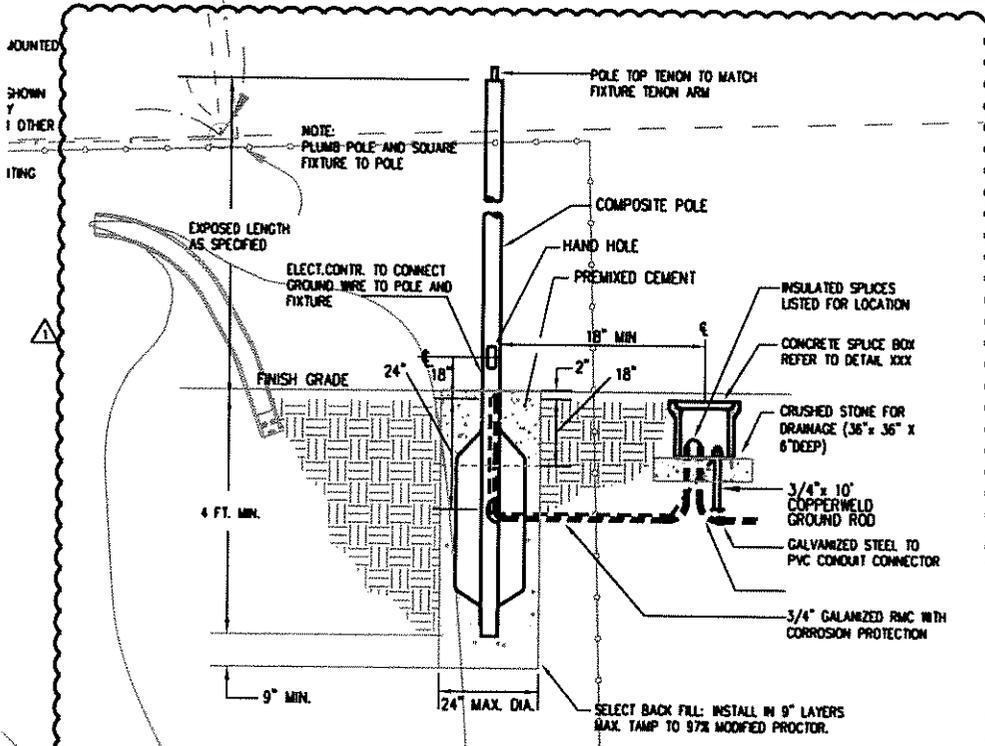
- DOOR AND FRAME SCHEDULE
A7.1 SCALE: NTS



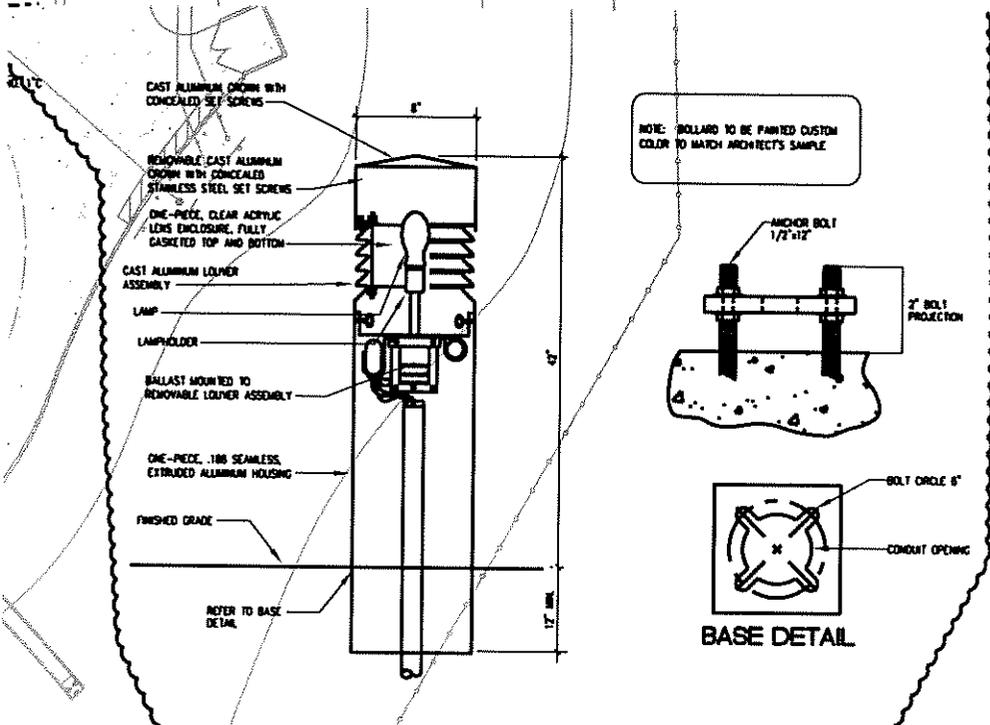
Summer Ranaldi
Planning and Architecture Inc
820 West Broadway Street, Suite 3000
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ph 407.977.1080 fx 407.977.1019

TITLE: DOOR AND FRAME SCHEDULE	
PROJECT: PAISLEY FIRE STATION	
Project No.: 07010	SCALE: N.T.S.
By: SR	DATE: 02-12-09

ADD # 1
A7-122



3 DIRECT BURIAL POLE DETAIL (TYPICAL)
 E2.0 NONE

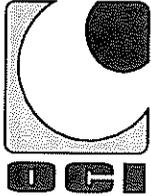


4 FIXTURE TYPE 'SE' DETAIL
 E2.0 N.T.S.

NO SCALE

DRAWING NO.
ESK
E2.0-1

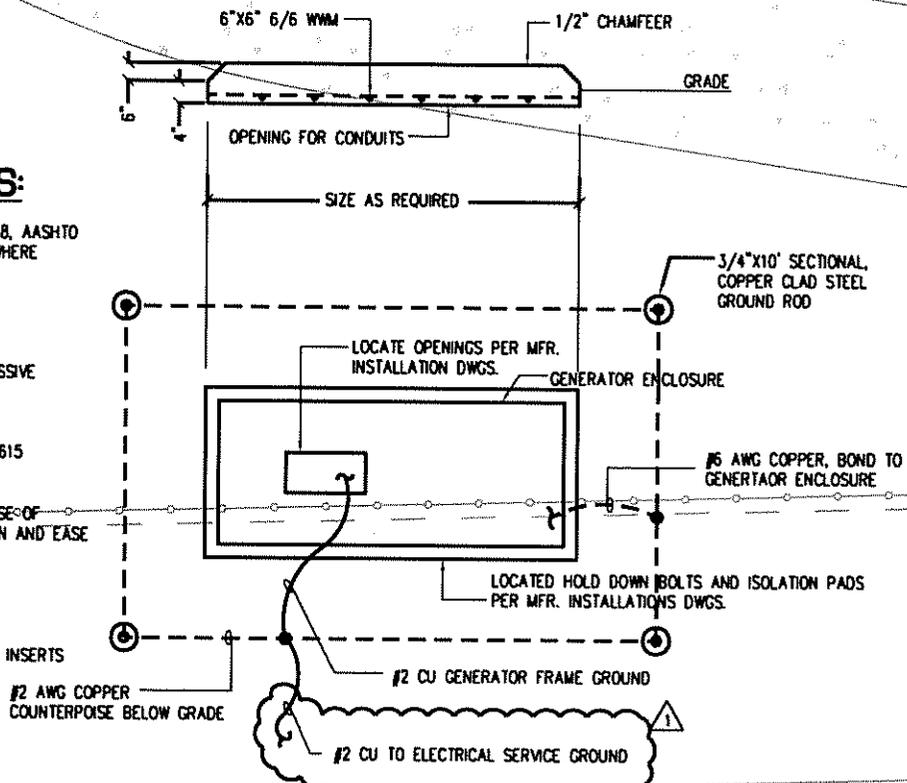
PROJECT TITLE: PAISLEY FIRE STATION	
SHEET TITLE: PARTIAL PLAN SHEET E2.0	
DRAWN BY: MEB	CHECKED BY: RRC
DATE: 02-12-09	ADD #1



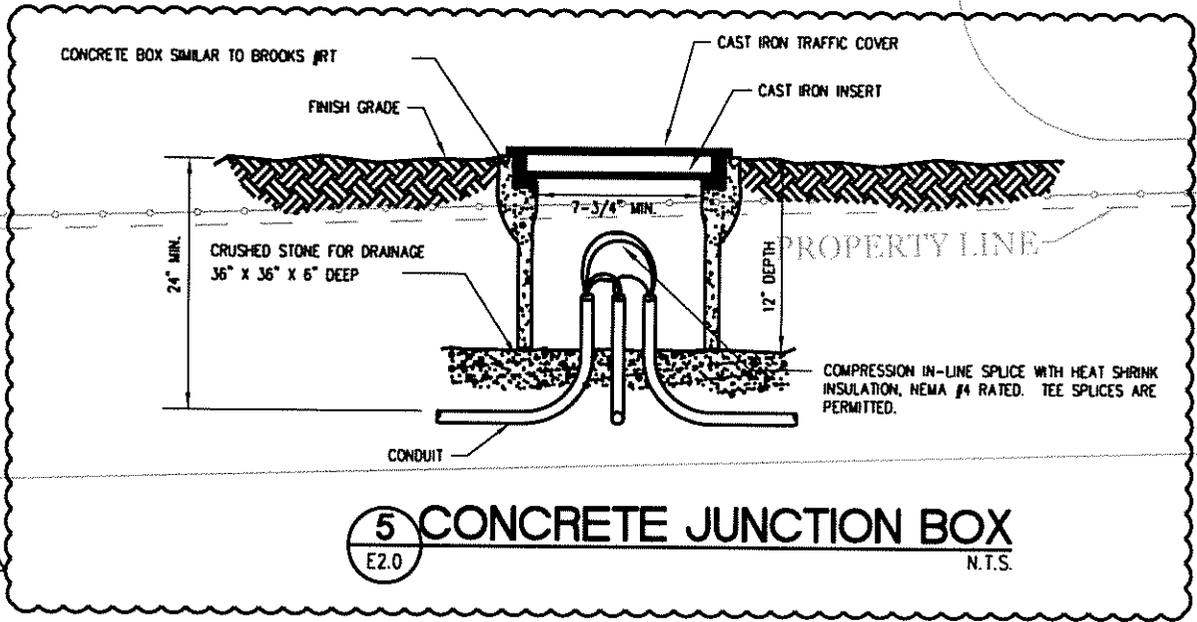
OCI ASSOCIATES, INC.
 CONSULTING ENGINEERS
 Orlando Ft. Pierce · West Palm Beach Ft. Myers
 427 Centerpointe Circle, Suite 1825
 Altamonte Springs, FL 32701
 (407) 332-5110 Fax: (407) 332-7704
 www.ociasociates.com
 CERTIFICATE OF AUTHORIZATION #6261

GENERAL NOTES:

1. DESIGN IN ACCORDANCE WITH ACI 318, AASHTO CURRENT EDITION AND ASTM C857 WHERE APPLICABLE.
2. DESIGN FOR HS-20-44 LOADING.
3. CONCRETE - MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH = 5500PSI.
4. STEEL - 60,000 PSI YIELD STRENGTH ASTM A615 REINFORCING STEEL.
5. HANDHOLE TO BE PLACED ON 6" BASE OF GRAVEL FOR EVEN LOAD DISTRIBUTION AND EASE OF INSTALLATION.
6. MIN. EXCAVATION - 6'-0" x 6'-0" x DEPTH REQUIRED.
7. PULL EYES, GROUNDING ROD HOLE & INSERTS FOR CABLE RACKS AS REQUIRED.



1 GENERATOR PAD DETAIL
E2.0 N.T.S.



5 CONCRETE JUNCTION BOX
E2.0 N.T.S.

NO SCALE

DRAWING NO.

ESK
E2.0-2

PROJECT TITLE:

PAISLEY FIRE STATION

SHEET TITLE:

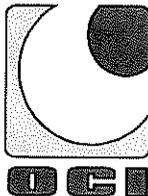
PARTIAL PLAN SHEET E2.0

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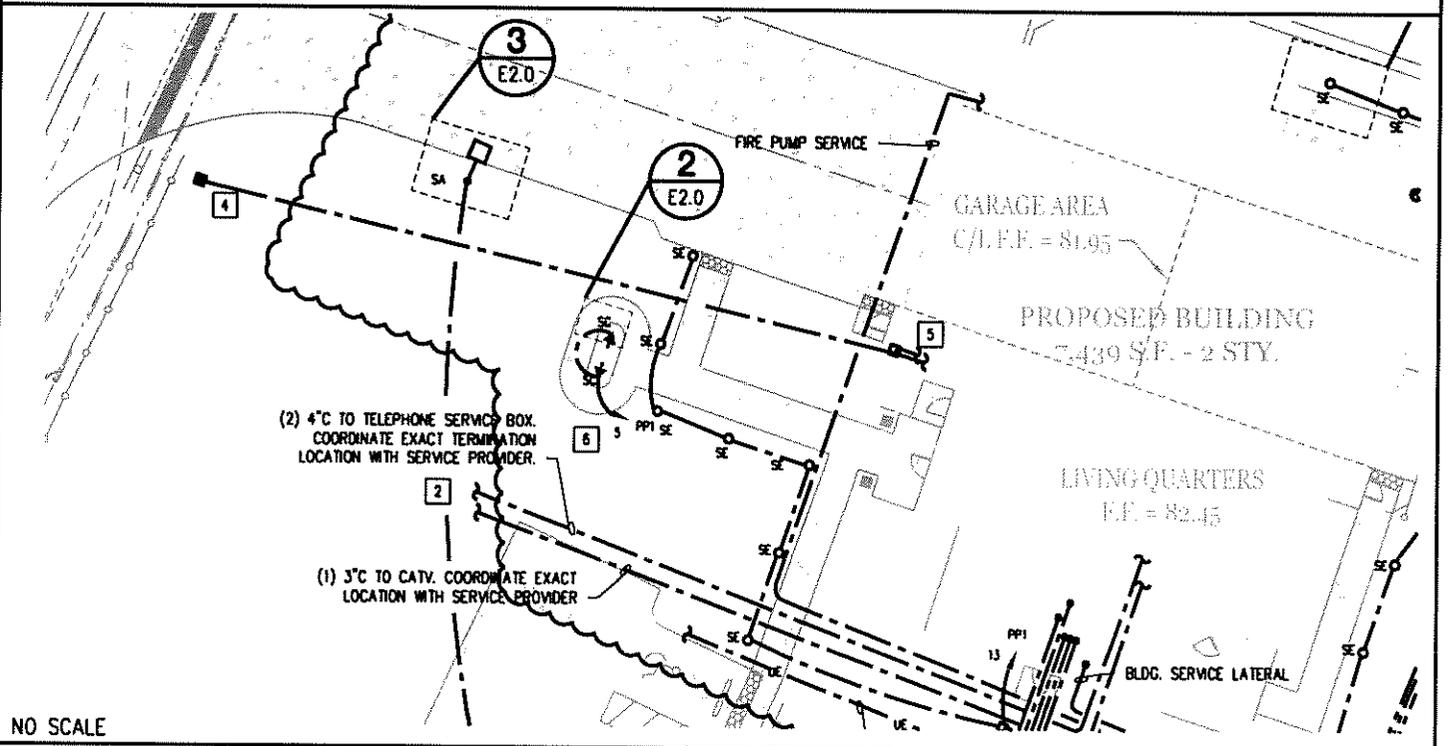
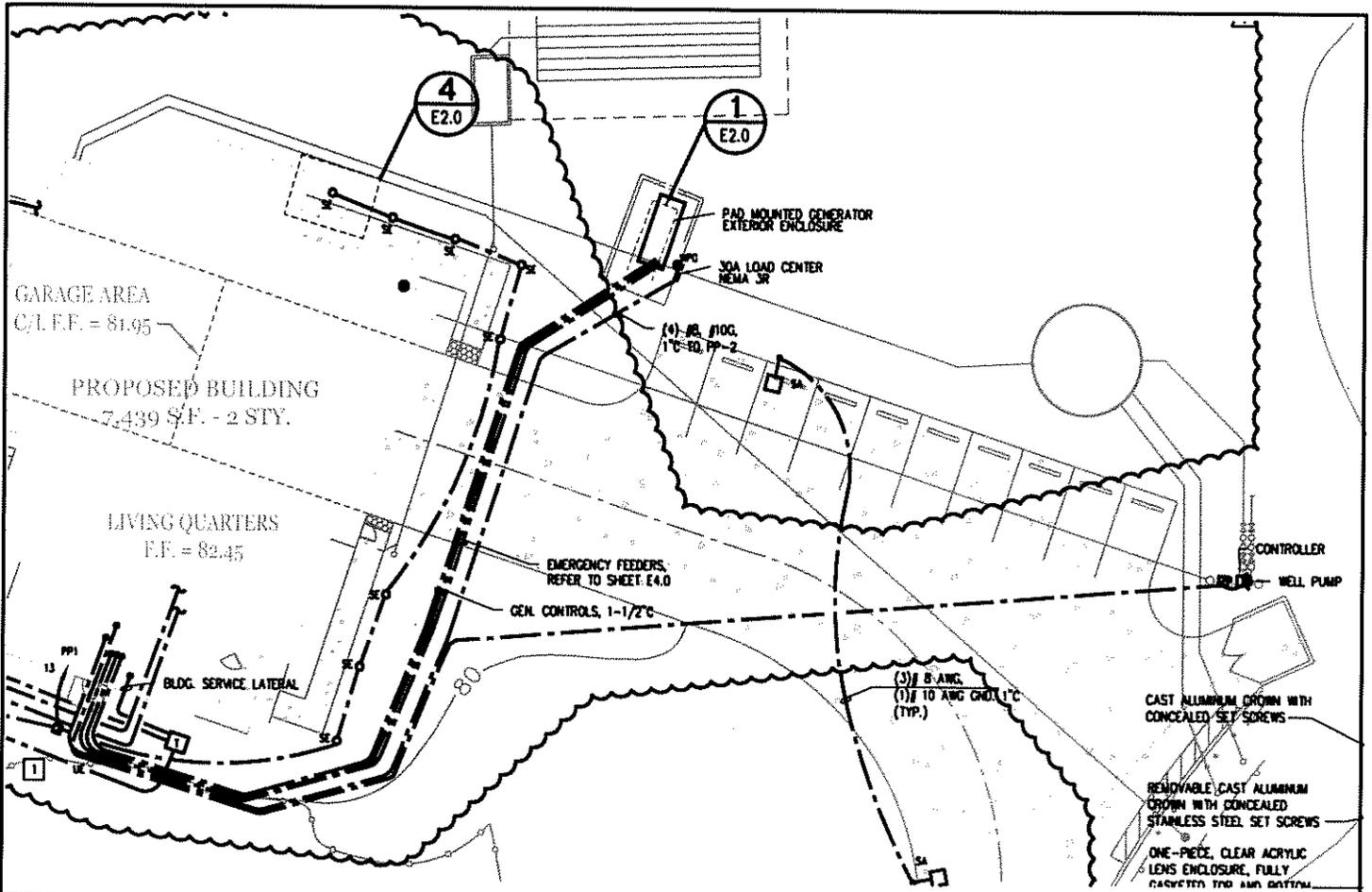
CHECKED BY: RRC

DATE: 02-12-09

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NO SCALE

DRAWING NO.

**ESK
E2.0-3**

PROJECT TITLE:

PAISLEY FIRE STATION

SHEET TITLE:

PARTIAL PLAN SHEET E2.0

DRAWN BY: MEB

CHECKED BY: RRC

DATE: 02-12-09

ADD #1



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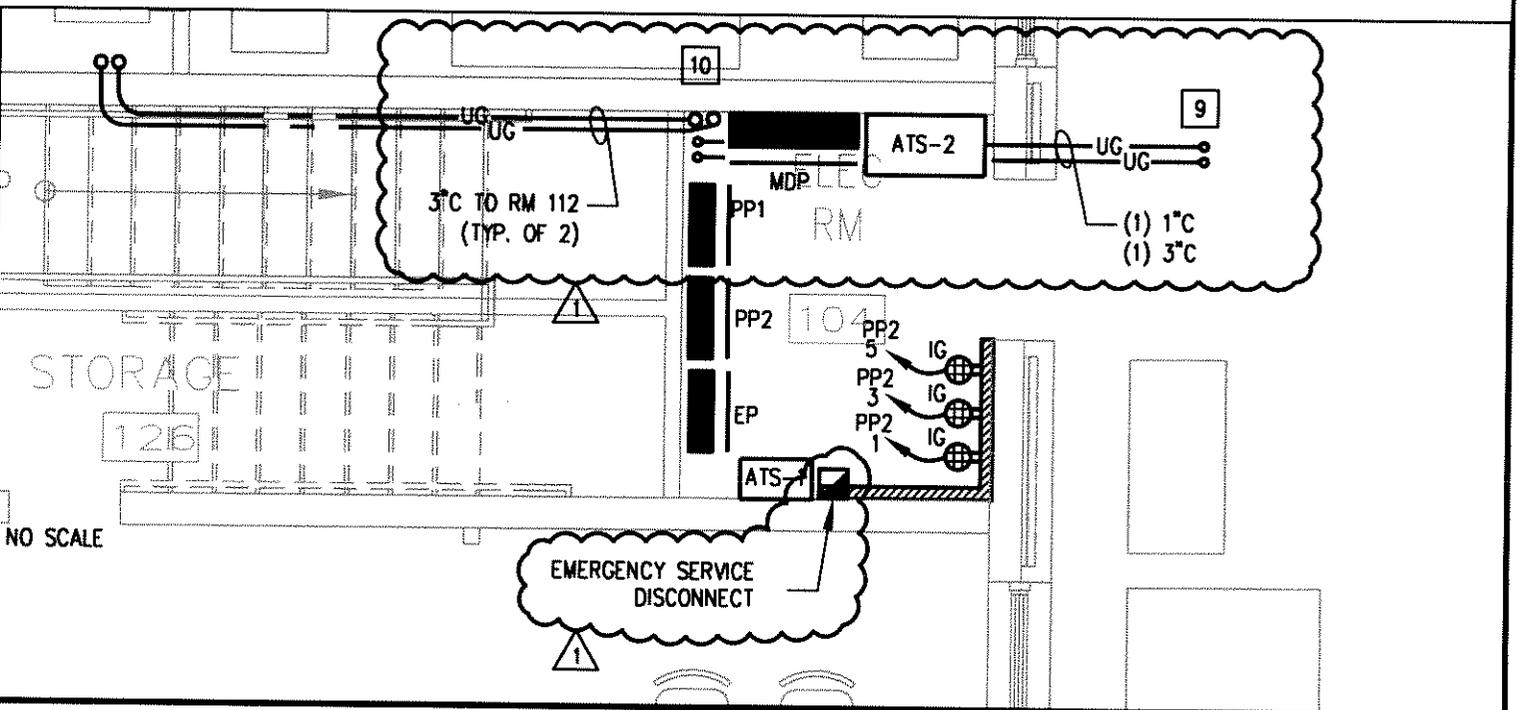
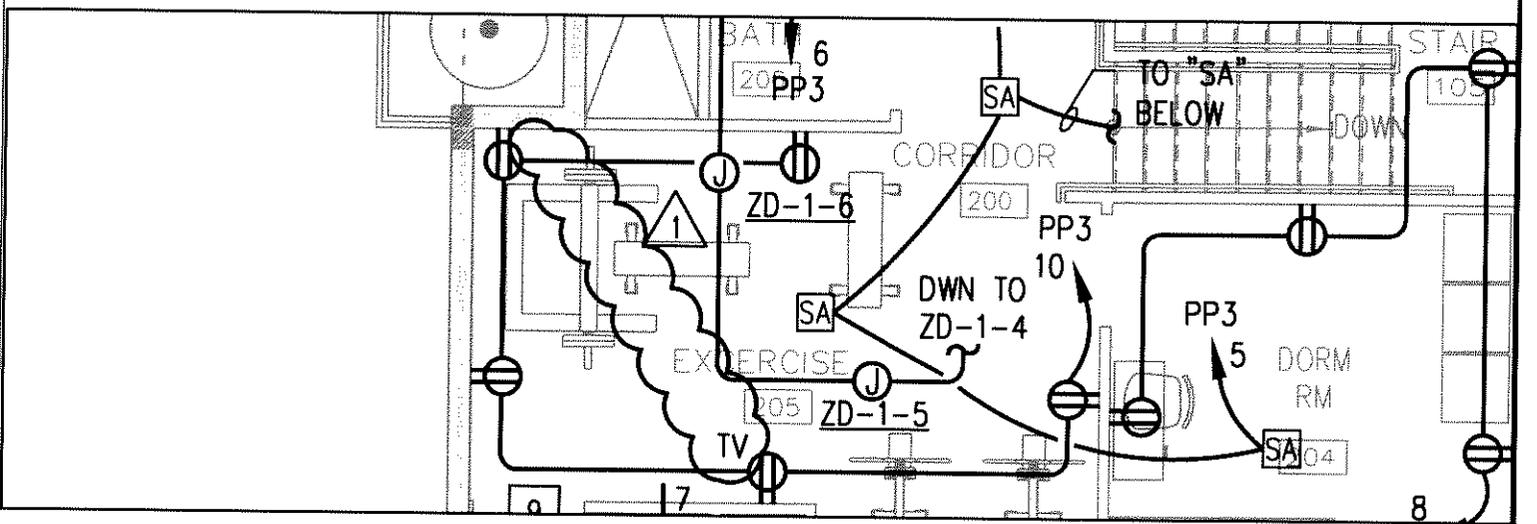
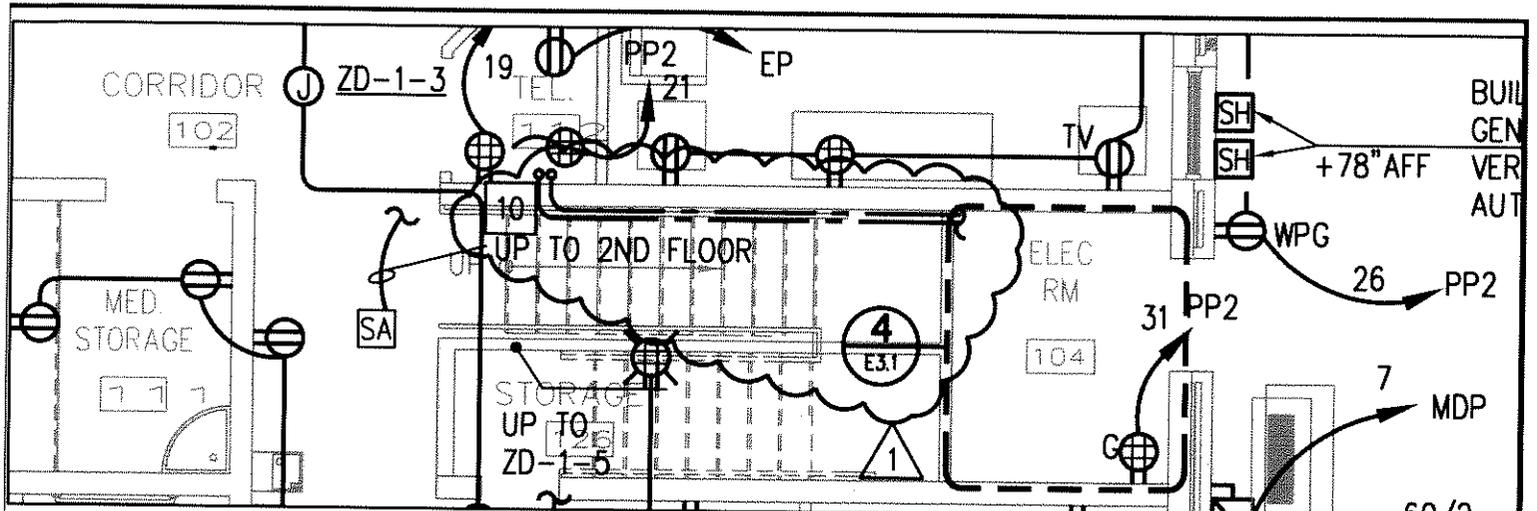
427 Centerpointe Circle, Suite 1825

Altamonte Springs, FL 32701

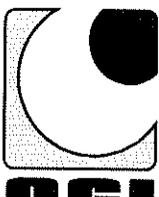
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www.ocassociates.com

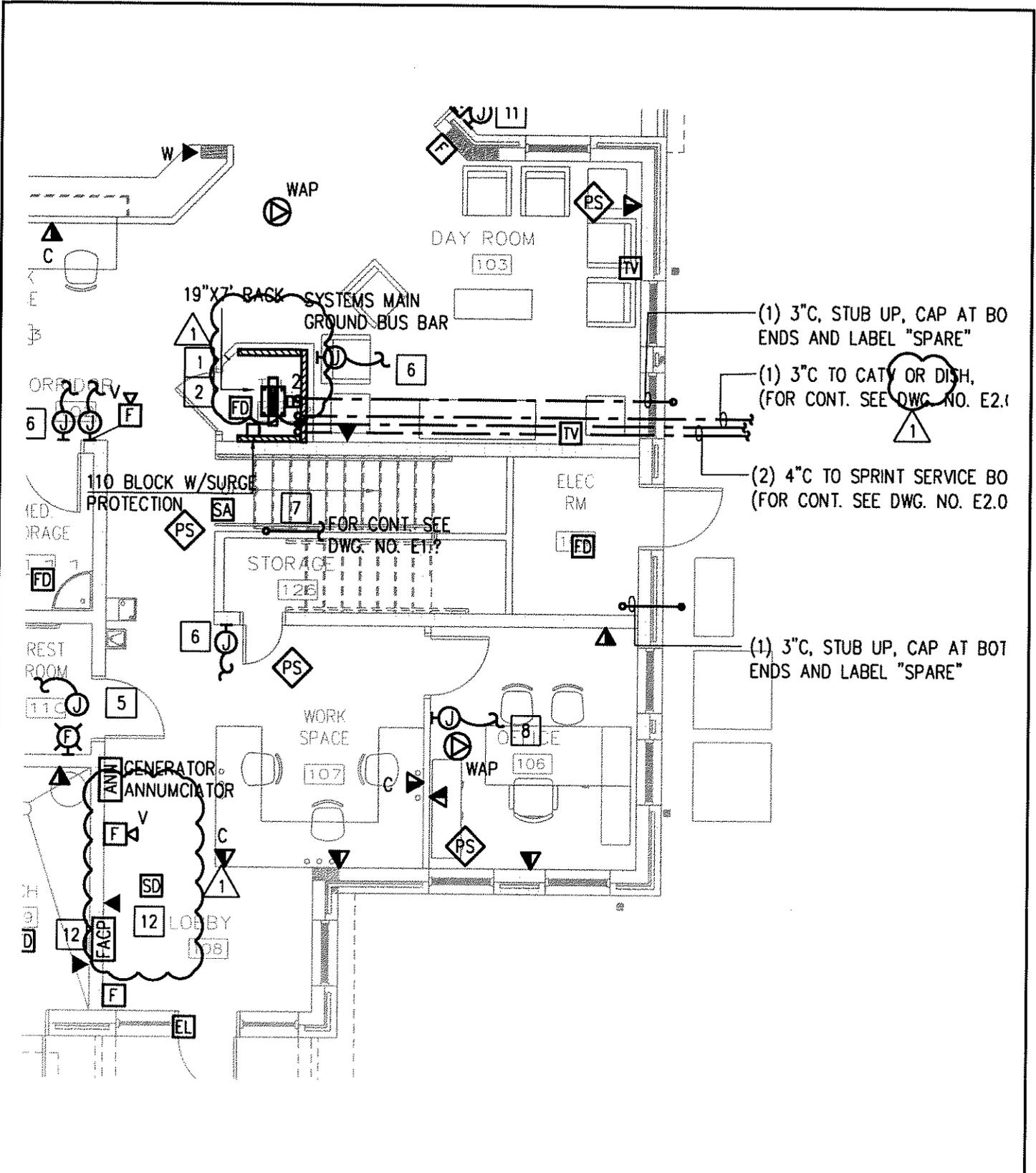
CERTIFICATE OF AUTHORIZATION #6261



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ESK E3.1-1	PAISLEY FIRE STATION
	SHEET TITLE:
	PARTIAL PLAN SHEET E3.1
DRAWN BY: MEB	CHECKED BY: RRC
DATE: 02-12-09	ADD #1



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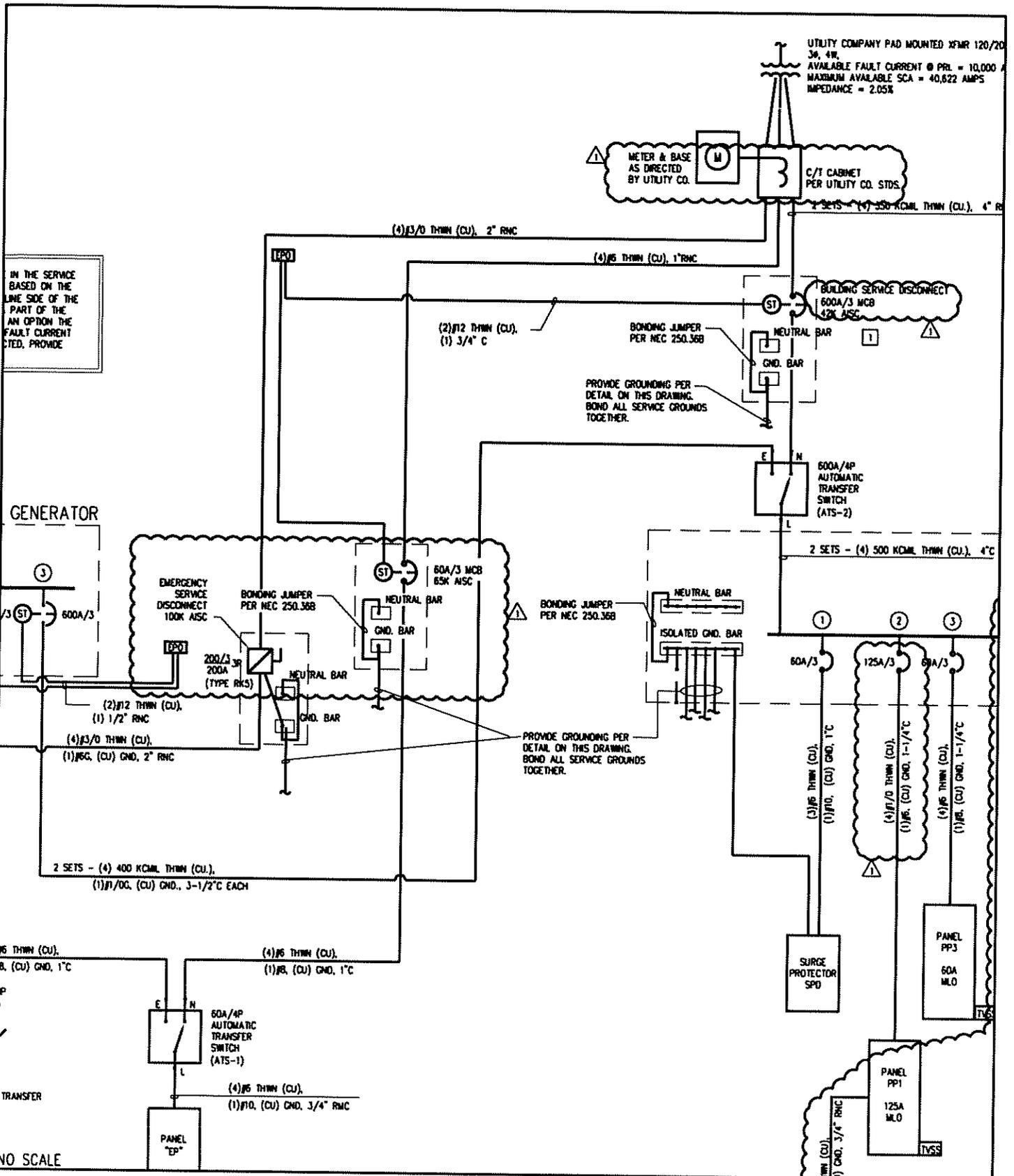


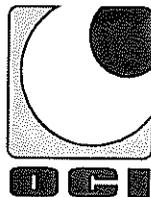
NO SCALE

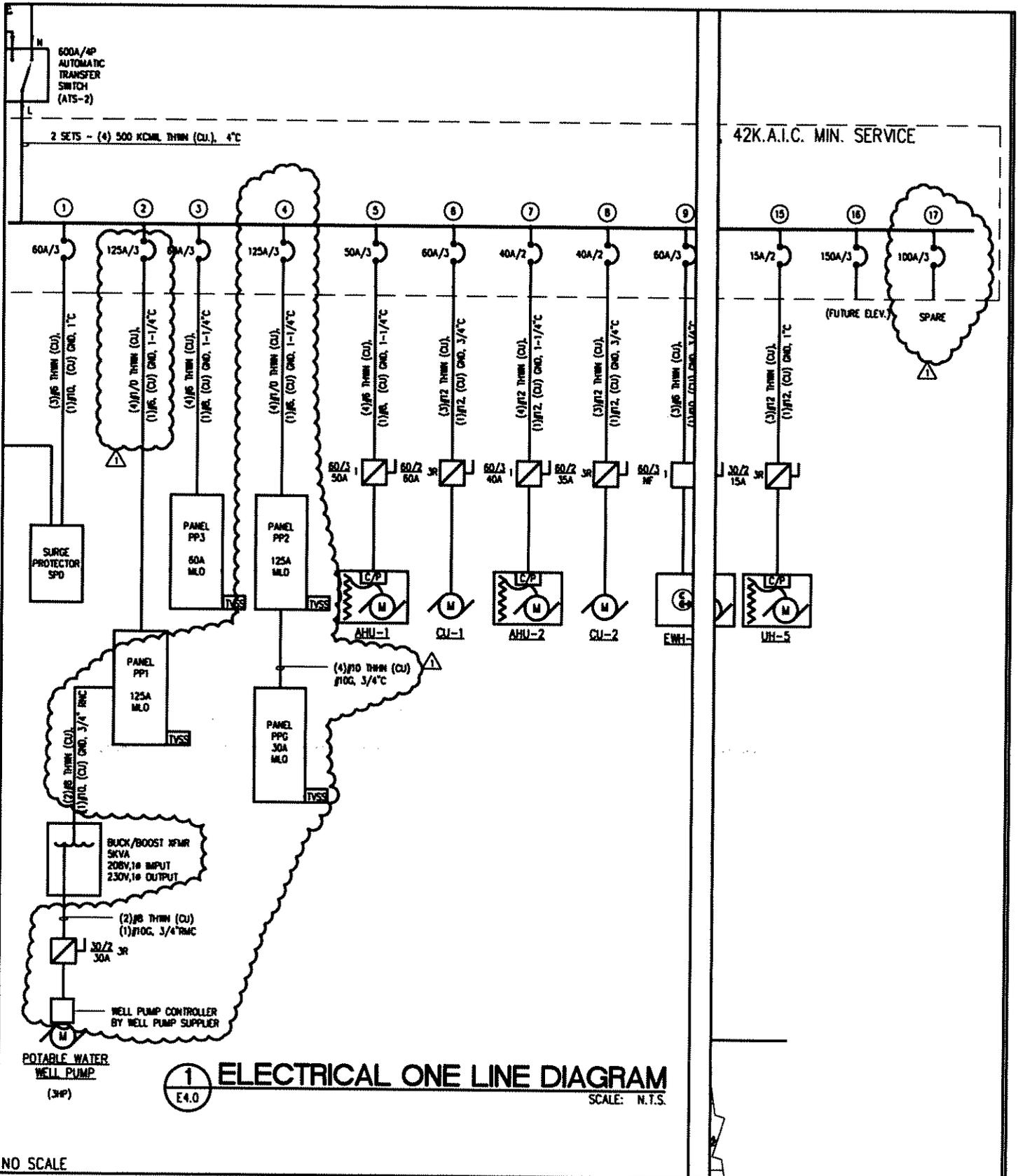
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	PAISLEY FIRE STATION	
	SHEET TITLE:	
	PARTIAL PLAN SHEET E3.2	
DRAWN BY: MEB	CHECKED BY: RRC	
DATE: 02-12-09	ADD #1	



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<p>DRAWING NO.</p> <h1>ESK E4.0-1</h1>	<p>PROJECT TITLE:</p> <p style="text-align: center;">PAISLEY FIRE STATION</p>	
	<p>SHEET TITLE:</p> <p style="text-align: center;">PARTIAL PLAN SHEET E4.0</p>	
	<p>DRAWN BY: MEB</p>	<p>CHECKED BY: RRC</p>
	<p>DATE: 02-12-09</p>	<p>ADD #1</p>
		
<p style="text-align: center;">OCI ASSOCIATES, INC.</p> <p style="text-align: center;">CONSULTING ENGINEERS</p> <p style="text-align: center;">Orlando Ft. Pierce West Palm Beach Ft. Myers</p> <p style="text-align: center;">427 Centerpointe Circle, Suite 1825</p> <p style="text-align: center;">Altamonte Springs, FL 32701</p> <p style="text-align: center;">(407) 332-5110 Fax: (407) 332-7704</p> <p style="text-align: center;">www.ociassociates.com</p> <p style="text-align: center;">CERTIFICATE OF AUTHORIZATION #6261</p>		



1 ELECTRICAL ONE LINE DIAGRAM
 SCALE: N.T.S.

NO SCALE

<p>DRAWING NO.</p> <h1>ESK</h1> <h2>E4.0-2</h2>	PROJECT TITLE:			<p>OCI ASSOCIATES, INC. CONSULTING ENGINEERS Orlando Ft. Pierce • West Palm Beach Ft. Myers 427 Centerpointe Circle, Suite 1825 Altamonte Springs, FL 32701 (407) 332-5110 Fax: (407) 332-7704 www.ociassociates.com CERTIFICATE OF AUTHORIZATION #6261</p>
	PAISLEY FIRE STATION			
	SHEET TITLE:			
	PARTIAL PLAN SHEET E4.0			
DRAWN BY: MEB	CHECKED BY: RRC			
DATE: 02-12-09	ADD #1			

PANEL PP1 SERVICE 120/208V-3Ø-4W MINIMUM BREAKER AIC 22,000
 LOCATION ELECTRIC RM RATING 125A-MLO MOUNTING SURFACE

LOAD DESCRIPTION	BKR			KVA			Ckt. NO.	KVA			BKR			LOAD DESCRIPTION
	TRIP	POLES		AA	AB	AC		AA	AB	AC	TRIP	POLES		
L-EXTERIOR FACADE (LP)	20	1	1.50	1	2	0.72				20	1	R-RM 100		
L-EXTERIOR SIGNS (LP)	20	1	1.20	3	4	1.08				20	1	R-CORD REEL		
L-FLAG LIGHTS (P)	20	1		0.36	5	6			1.08	20	1	R-CORD REEL		
L-1/2 1ST FLR	20	1	0.48		7	8	1.08			20	1	R-CORD REEL		
L-EXTERIOR SIGN (LP)	20	1	0.80		9	10	0.80			20	1	R-RM 100		
L-RM 100	20	1		1.33	11	12			0.80	20	1	E-COMPRESSOR		
L-BOLLARDS	20	1	1.50		13	14	0.36			20	1	R-RM 121		
L-RM 100	20	1	0.68		15	16	1.08			20	1	R-RM 118		
L-SITE	20	2		1.00	17	18			0.80	20	1	E-ICE MACHINE		
L-			1.00		19	20	1.20			20	1	E-MOTORING		
M-OIL DOOR	20	2	0.50		21	22	1.20			20	1	E-MOTORING		
M-			0.50	23	24		0.72	20	1	R-RM 119				
M-OIL DOOR	20	2	0.50		25	26	0.50			20	1	E-THERMOSTAT CONTROL		
M-			0.50	27	28		1.20	20	1	E-WASHER				
R-RM 208	20	1	0.72	29	30		4.50	40	2	E-DRYER				
SPARE	20	2	0.60		31	32	4.50							
SPARE			0.60	33	34		0.50	20	1	E-SPRINKLER CONTROL				
M-AMU/CL-3	20	1	1.37	35	36		0.80	20	1	SPARE				
M-WATER WELL PUMP	40	2	2.00		37	40	0.00			30	3	O-SPD		
M-			2.00	39	40		0.00					O-		
SPARE	20	1	0.60	41	42		0.00					O-		

LOAD CALCULATIONS:	COMM. LOAD - KVA	D.F.	CALC. DEMAND - KVA	LOADS NOT INCLUDED IN CALCULATIONS:
LIGHTING	9.68	1.25	12.00	0.00
RECEPTACLES - 1ST 10 KVA	7.74	1.00	7.74	
RECEPTACLES - ABOVE 10 KVA	0.00	0.00	0.00	
MVAC	1.27	1.00	1.27	
MOTORS	6.00	1.00	6.00	
EQUIPMENT	15.00	1.00	15.00	
APPLIANCE	0.00	0.75	0.00	
SPARE/SPACE	2.40	1.00	2.40	
OTHER	0.00	1.00	0.00	
TOTAL KVA (AMPS)	42.07 (116.77)		44.48 (123.48)	

PANEL PP2 SERVICE 120/208V-3Ø-4W MINIMUM BREAKER AIC 22,000
 LOCATION ELECTRIC RM RATING 125A-MLO MOUNTING SURFACE

LOAD DESCRIPTION	BKR			KVA			Ckt. NO.	KVA			BKR			LOAD DESCRIPTION
	TRIP	POLES		AA	AB	AC		AA	AB	AC	TRIP	POLES		
R-GATA	20	1	0.50	1	2	1.00				20	1	A-FROZE		
R-GATA	20	1	0.50	3	4	0.80				20	1	A-HOOD/EXTRACTOR		
R-GATA	20	1	0.50	5	6	0.50			4.50	40	2	A-BANK		
E-BAS	20	1	0.50		7	8	4.50					A-		
E-ENC	20	1	0.50		9	10	0.80			20	1	A-DISPOSAL		
L-DRY ROOM	20	1	1.20		11	12	0.72			20	1	R-APPLIANCE		
L-DAY ROOM/TEL. RM 108	20	1	0.64		13	14	1.20			20	1	A-DISHWASHER		
L-RM 108/110/111/113	20	1	0.62		15	16	0.72			20	1	E-REPLACEMENT		
E-WATER SOFTENER	13	1	0.50		17	18	1.00			20	1	R-HEAT TRACE		
E-COMM	20	1	1.20		19	20	1.00			20	1	R-HEAT TRACE		
E-COMM	20	1	1.20		21	22	0.80			20	1	R-DAY WARE		
E-DOORbell	20	1	0.50	23	24		0.50	20	1	E-WTR 201-1 TO 8				
R-RM 113	20	1	1.08		25	26	0.72			20	1	R-EXTERIOR		
E-RM-1 CONTROLLER	20	1	0.50		27	28	0.80			20	1	R-RM 111, 107, 108		
E-RM-2 CONTROLLER	20	1	0.50		29	30	0.50			20	1	R-RM 107		
E-DRYER	20	1	0.50		31	32	0.72			20	1	R-RM 108		
E-DRYER	20	1	0.60		33	34	0.60			20	1	SPARE		
SPARE	20	1	0.60		35	36	0.60			20	1	SPARE		
SPARE	20	1	0.60		37	40	0.00			30	3	O-SPD		
SPARE	20	1	0.60		41	42	0.00					O-		
SPARE	20	1	0.60		43	44	0.00					O-		

LOAD CALCULATIONS:	COMM. LOAD - KVA	D.F.	CALC. DEMAND - KVA	LOADS NOT INCLUDED IN CALCULATIONS:
LIGHTING	2.88	1.25	3.60	0.00
RECEPTACLES - 1ST 10 KVA	8.16	1.00	8.16	
RECEPTACLES - ABOVE 10 KVA	0.00	0.00	0.00	
MVAC	2.00	1.00	2.00	
MOTORS	0.00	1.00	0.00	
EQUIPMENT	5.90	1.00	5.90	
APPLIANCE (MOTORCH 5 UNITS)	12.80	0.75	9.60	
SPARE/SPACE	2.40	1.00	2.40	
OTHER	7.36	1.00	7.36	
TOTAL KVA (AMPS)	41.08 (114.03)		37.86 (105.00)	

PANEL PPS SERVICE 120/208V-3Ø-4W MINIMUM BREAKER AIC 22,000
 LOCATION GENERATOR AREA RATING 30A-MLO MOUNTING SURFACE

LOAD DESCRIPTION	BKR			KVA			Ckt. NO.	KVA			BKR			LOAD DESCRIPTION
	TRIP	POLES		AA	AB	AC		AA	AB	AC	TRIP	POLES		
E-JACKET HEATER	20	2	1.25	1	2	0.60				20	1	E-GENERATOR ACCESSORIES		
E-				3	4	0.60				20	1	E-GENERATOR ACCESSORIES		
E-STATOR HEATER	20	1	0.50	5	6	0.60			0.60	20	1	E-GENERATOR ACCESSORIES		
E-BATTERY CHARGER	20	1	0.30		7	8	0.60			20	1	E-GENERATOR ACCESSORIES		
L-GENERATOR (TYPE 50)	20	1	1.00		9	10	0.60			20	1	R-SERVICE		
SPARE	20	1	0.60		11	12	0.60			20	1	SPARE		
				13	14									
				15	16									
				17	18									
				19	20									
				21	22									
				23	24									
				25	26									
				27	28									
				29	30									
				31	32									
				33	34									
				35	36									
				37	38									
				39	40									
				41	42									

LOAD CALCULATIONS:	COMM. LOAD - KVA	D.F.	CALC. DEMAND - KVA	LOADS NOT INCLUDED IN CALCULATIONS:
LIGHTING	1.00	1.25	1.25	0.00
RECEPTACLES - 1ST 10 KVA	0.60	1.00	0.60	
RECEPTACLES - ABOVE 10 KVA	0.00	0.00	0.00	
MVAC	0.00	1.00	0.00	
MOTORS	0.00	1.00	0.00	
EQUIPMENT	5.70	1.00	5.70	
APPLIANCE	0.00	0.75	0.00	
SPARE/SPACE	1.20	1.00	1.20	
OTHER	0.00	1.00	0.00	
TOTAL KVA (AMPS)	8.50 (23.50)		8.75 (24.20)	

NO SCALE

DRAWING NO.
ESK
E4.1-1

PROJECT TITLE:
 PAISLEY FIRE STATION
 SHEET TITLE:
 PARTIAL PLAN SHEET E4.1
 DRAWN BY: MEB CHECKED BY: RRC
 DATE: 02-12-09



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 CERTIFICATE OF AUTHORIZATION #6261

PANEL		SERVICE		MINIMUM BREAKER AIC										
PF3		120/208V-3φ-4W		22,000										
LOCATION		RATING		MOUNTING										
2ND FLOOR		80A MLO		RECESSED										
LOAD DESCRIPTION	BKR	KVA			DCT. REQ.			EVA			BKR			LOAD DESCRIPTION
	TRIP POLES	BA	BB	BC	NO.	AA	AB	AC	TRIP POLES					
L-FS DOWN/BARY (A)	20 1	0.97			1 1	0.72			20 1	R-RA 20H (A)				
L-EM 205/204/203/202 (A)	20 1		0.65		3 4		0.54		20 1	R-RA 20H (A)				
E-NON-SYS SHORE ALARM (A)	20 1			0.07	5 6			0.54	20 1	R-BARH				
E-INGEN 205,208 (A)	20 1	0.54			7 8	0.72			20 1	R-RA 20H (A)				
SPARE	20 1		0.80		9 10		0.72		20 1	R-RA 20S (A)				
SPARE	20 1			0.80	11 12			0.80	20 1	SPARE				
SPARE	20 1	0.80			13 14	0.80			20 1	SPARE				
SPARE	20 1		0.80		15 16		0.00		30 3	0-1VSS				
SPARE	20 1			0.00	17 18			0.00	30 3	0-				
SPARE	20 1	0.00			19 20	0.00			30 3	0-				
SPARE	20 1				21 22				30 3	0-				
SPARE	20 1				23 24				30 3	0-				
SPARE	20 1				25 26				30 3	0-				
SPARE	20 1				27 28				30 3	0-				
SPARE	20 1				29 30				30 3	0-				
SPARE	20 1				31 32				30 3	0-				
SPARE	20 1				33 34				30 3	0-				
SPARE	20 1				35 36				30 3	0-				
SPARE	20 1				37 38				30 3	0-				
SPARE	20 1				39 40				30 3	0-				
SPARE	20 1				41 42				30 3	0-				
TOTALS		2.11	1.85	0.87		2.94	1.26	1.14						
LOAD CALCULATIONS		CONNL. LOAD - KVA		D.F.	CALC. DEMAND - KVA		LOADS NOT INCLUDED IN CALCULATIONS							
LIGHTING		1.82		1.25	2.03		0.00							
RECEPTACLES - 1ST 10 KVA		3.78		1.00	3.78		NOTES:							
RECEPTACLES - ABOVE 10 KVA		0.00		0.50	0.00		(C) PROVIDE GFCI BREAKER							
HVAC		0.00		1.00	0.00		(L) PROVIDE LOCK-ON DEVICE							
MOTORS		0.00		1.00	0.00		(S) PROVIDE SHUNT TRIP BREAKER							
EQUIPMENT		0.07		1.00	0.07		(A) ARC FAULT BREAKER							
APPLIANCE		0.00		0.75	0.00									
SPARE/SPACE		3.60		1.00	3.60									
OTHER		0.00		1.00	0.00									
TOTAL KVA (AMPS)		8.07	(23.18)		8.48	(24.30)								

PANEL		SERVICE		MINIMUM BREAKER AIC										
OP		120/208V-3φ-4W		22,000										
LOCATION		RATING		MOUNTING										
ELECTRIC RM		80A MLO		SURFACE										
LOAD DESCRIPTION	BKR	KVA			DCT. REQ.			EVA			BKR			LOAD DESCRIPTION
	TRIP POLES	BA	BB	BC	NO.	AA	AB	AC	TRIP POLES					
L-EMERG LIG	20 1	0.80			1 2	0.80			20 1	L-EMERG APPARATUS BAY				
L-EMERG LIG	20 1		0.37		3 4	0.20			20 1	L-EMERG LIG				
L-EMERG LIG	20 1			0.58	5 6		0.80		20 1	SPARE				
L-EMERG LIG	20 1	0.80			7 8	0.00			30 3	0-1VSS				
L-PA SYSTEM	20 1	0.72			9 10	0.00			30 3	0-				
SPARE	20 1		0.80		11 12		0.00		30 3	0-				
SPARE	20 1			0.00	13 14				30 3	0-				
SPARE	20 1				15 16				30 3	0-				
SPARE	20 1				17 18				30 3	0-				
SPARE	20 1				19 20				30 3	0-				
SPARE	20 1				21 22				30 3	0-				
SPARE	20 1				23 24				30 3	0-				
SPARE	20 1				25 26				30 3	0-				
SPARE	20 1				27 28				30 3	0-				
SPARE	20 1				29 30				30 3	0-				
SPARE	20 1				31 32				30 3	0-				
SPARE	20 1				33 34				30 3	0-				
SPARE	20 1				35 36				30 3	0-				
SPARE	20 1				37 38				30 3	0-				
SPARE	20 1				39 40				30 3	0-				
SPARE	20 1				41 42				30 3	0-				
TOTALS		1.20	1.09	1.16		0.88	0.50	0.80						
LOAD CALCULATIONS		CONNL. LOAD - KVA		D.F.	CALC. DEMAND - KVA		LOADS NOT INCLUDED IN CALCULATIONS							
LIGHTING		2.81		1.25	3.51		0.00							
RECEPTACLES - 1ST 10 KVA		0.00		1.00	0.00		NOTES:							
RECEPTACLES - ABOVE 10 KVA		0.00		0.50	0.00		(C) PROVIDE GFCI BREAKER							
HVAC		0.00		1.00	0.00		(L) PROVIDE LOCK-ON DEVICE							
MOTORS		0.00		1.00	0.00		(S) PROVIDE SHUNT TRIP BREAKER							
EQUIPMENT		1.22		1.00	1.22									
APPLIANCE		0.00		0.75	0.00									
SPARE/SPACE		1.20		1.00	1.20									
OTHER		0.00		1.00	0.00									
TOTAL KVA (AMPS)		5.23	(14.93)		5.93	(18.47)								

SERVICE LOAD CALCULATION			
(PER NEC ARTICLE 695 FIRE PUMP)			
	CONNECTED(KVA)	DE	DEMAND(KVA)
FIRE PUMP MOTOR LOAD 25HP	27.00	● 1.00	27.00
LRKVA - 27.0 x 6.3 =			170.1 KVA
170.1 KVA @ 208V-3φ-4W			472A
200A RKS FUSE WILL CARRY 475A FOR A MINIMUM OF 16 MINUTES			

SERVICE LOAD CALCULATION			
(PER NEC ARTICLE 220 EMERGENCY SERVICE)			
	CONNECTED(KVA)	DE	DEMAND(KVA)
LIGHTING	2.81	● 1.25	3.51
EQUIPMENT LOADS	1.22	● 1.0	1.22
HVAC LOADS			
MOTOR LOADS	0.00	● 0.80	0.00
HEATING LOAD	0.00		
COOLING LOAD	0.80		
	LARGER	0.80	0.80
			TOTAL 5.23
+25% LGST MOTOR			0.00
			TOTAL 5.23
5.23 KVA @ 208V-3φ-4W		= 15.4	
ALLOWANCE FOR FUTURE GROWTH @ 25%		= 4.0	
		TOTAL	19.4A USE 60A
(60A = SERVICE RATED DISCONNECT MINIMUM)			

NO SCALE

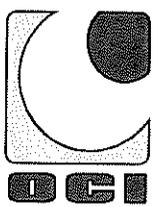
DRAWING NO.
ESK
E4.1-2

PROJECT TITLE:
PAISLEY FIRE STATION

SHEET TITLE:
PARTIAL PLAN SHEET E4.1

DRAWN BY: MEB CHECKED BY: RRC

DATE: 02-12-09 ⚠ ADD #1



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MAIN DISTRIBUTION PANEL LOAD CALCULATION FOR PANEL - MDP

SERVICE VOLTAGE IS 120 /
208V, 3PH, 4W, 42,000 ANSC

CIRCUIT	LIGHTING	RECEPTL	MOTORS	EQUIPMENT	LOADS						TOTAL										
					KITCHEN	SPARE	OTHER	KITCHEN	HEATING	COOLING											
PANELS / FEEDERS																					
PANEL PP1	9.66	7.74	1.00	16.00		2.40	0.00			1.27	0.00										37.07
PANEL PP2	2.46	8.16		6.90		2.40				2.00											33.72
PANEL PP3	1.62	3.78		0.07		2.40															7.87
AHU-1																					18.71
CU-1																					10.40
AHU-2																					10.40
CU-2																					1.80
EMH-1																					15.00
EMH-2																					5.00
UH-1																					15.00
UH-2																					15.00
UH-3																					15.00
UH-4																					15.00
UH-5																					15.00
ELEVATOR (FUTURE)																					0.50
SPARE																					25.00
PP G	1.00	0.06		6.70		6.00															25.00
TOTALS	14.74	19.74	1.00	26.67		39.40	0.00			104.98	12.20										231.53
DEMAND FACTORS	1.25	NEC 220.44	1.00	1.00		1.00	1.00			LAGER OF H.-C.											
DEMAND	18.43	14.87	1.00	26.67		39.40	0.00			104.98	12.20										214.31

214.31 KVA @208V, 3PH, 4W, = 695

AMPERES

USE: 800A. BUS RATING

NO SCALE
DRAWING NO.
ESK
E4.1-3

PROJECT TITLE:
PAISLEY FIRE STATION

SHEET TITLE:
PARTIAL PLAN SHEET E4.1

DRAWN BY: MEB CHECKED BY: RRC

DATE: 02-12-09  ADD #1



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SECTION 12320
MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes plastic laminated faced modular casework.

1.2 DEFINITIONS

A. Exposed Surfaces:

1. Surfaces visible when doors and drawers are closed.
2. Bottoms of cases more than 4 feet above floor.

B. Semi-Exposed Surfaces:

1. Members behind opaque doors, such as shelves, divisions, interior faces of ends, case back, drawer sides, backs and bottoms, and back face of doors.
2. Tops of cases 6'-6" or more above floor.

C. Concealed Surfaces: Surfaces not visible after installation.

1.3 SUBMITTALS

A. Product Data

1. Specification requirements
2. Published construction details
3. Maintenance recommendations

B. Shop Drawings:

1. Details and sizes including methods of attachment
2. Show locations for support in metal stud walls.
3. Type and locations for support within walls
4. Show locations of all grommets (final locations and sizes to be determined on Final Shop Drawings)
5. Field verified dimensions
6. Indicate utility locations to be coordinated with other trades

C. Samples

1. Full range of colors, textures, and patterns available for plastic laminate and edging.
2. Pull
3. Full Size Cabinet: Base cabinet with door, drawer, shelf, and hardware. Unit may be incorporated into Work. Submit within 60 days of Notice to Proceed, a sample base cabinet and countertop constructed in accordance with these specifications.

D. Sample Guarantee

1.4 JOB CONDITIONS

- A. Deliver casework only after wet work is complete and relative humidity is

maintained within manufacturer's recommended range for one week. Store in ventilated spaces. Protect against damage during installation through the Date of Substantial Completion.

- B. Take field measurements for casework items. Show measurements on Shop Drawings.

1.5 QUALITY ASSURANCE

- A. Defective workmanship or damaged components shall be corrected, repaired, or replaced as requested by the Architect, without further cost to the Owner.
- B. Manufacturer Qualifications: Minimum 7 years experience in the manufacturer and installation of the type of cabinets specified.
- C. Installer Qualifications: Minimum 5 years experience in the installation of the type of cabinets specified.
- D. Coordinate delivery of templates and other similar items from other trades necessary for the construction of required casework units.
- E. Casework shall be manufactured and install to meet the requirements of the FBC and the Florida Fire Prevention Code 2004.
- F. Comply with Section 1600 "Modular Cabinets" and Section 1700 "Installation of Woodwork" of the Architectural Woodwork Institute's Architectural Woodwork Quality Standards.

1.6 WARRANTY

- A. 3 years from the Date of Substantial Completion against defects in material and workmanship. Cover repair or replacement, without cost to the Owner, of items that become defective within the 3-year period. Exception: Damage caused by improper operation or misuse.

1.7 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

- A. Casework shall conform with the Accessibility Requirements Manual from the Florida Department of Community Affairs, Florida Board of Building Codes and Standards.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. The following manufacturers are acceptable provided they comply with all specification requirements, materials, construction, and details.
 - 1. LSI Corporation of America
 - 2. Stevens Industries, Inc.
 - 3. TMI Systems
 - 4. Case Systems, Normal Wood Products
 - 5. Laminique, Lebanon
 - 6. Commercial Casework, Inc.
 - 7. Fisher Hamilton
 - 8. Sheldon Laboratory Systems
 - 9. Brodart

- B. Local casework manufacturers are also acceptable provided the product is in compliance with the specification.

2.2 GENERAL WORKMANSHIP

- A. Machine parts for accurate fit and assemble with appropriate fasteners and adhesives to result in true, square, level, and plumb units.
- B. Coordinate with other trades for required dimensions of items to be built into casework.
- C. Provide removable or false backs for access or concealment of heating or plumbing items.
- D. Scribe tops and backsplashes to walls and other adjoining vertical surfaces.
- E. Cabinets at end walls shall have minimum scribe unless shown otherwise.

2.3 MATERIALS

- A. Plastic Laminate
 - 1. Acceptable Manufacturers: Wilsonart, Pionite, Formica, and Nevamar
 - 2. Decorative Laminates
 - a. High-pressure decorative laminate VGS (.028), NEMA LD 3-1995
 - b. High-pressure decorative laminate HGS (.048), NEMA LD 3-1995
 - c. High-pressure cabinet liner CLS (.020), NEMA LD 3-1995
 - d. High-pressure backer BKH (.028) NEMA LD 3-1995
 - 3. Exposed horizontal surfaces: HGS
 - 4. Exposed, interior and exterior vertical surfaces: VGS
 - 5. Backing sheet for concealed surfaces: BKH or CLS for balanced panel.
 - 6. Backing sheet for semi-exposed surfaces: BKH
 - 7. Color (all surfaces): Selected by Architect.
- B. Edging: Self edge with matching plastic laminate HGS
- C. Core Materials:
 - 1. Particleboard: Composite panel, 1/2 inch to 1 inch thickness, 100% annually-renewable agricultural fibers, formaldehyde-free resin, ANSI A208.1-1999 M-3. Below are examples only:
 - a. Agrifiberboard™
 - b. Woodstalk™
 - c. Encore™
 - d. EnvironmentCore™
 - e. PremiumBlend™
 - f. PrimeBoard Supreme Wheat
 - 2. Hardboard: ANSI A135.4, Class 1 tempered, smooth, 2 sides equal to "Duron" by U.S. Gypsum Company.
 - 3. Hardwood: Solid lumber concealed members to be kiln dried, select Poplar, Fir, or mill option lumber.
- D. Solid Surfacing Material: Refer to Section 06616

2.4 HARDWARE AND MISCELLANEOUS

A. Hinges:

1. Steel, institutional 5 knuckle with interlaying leaves, 270-degree swing, hospital tipped with non-removable pins fastened with 4 screws each leaf into faces. No edge fastening allowed.
2. Thickness .090 inch minimum
3. Doors 48 inches and over shall have 3 hinges per leaf
4. Finish: Powder coat baked-on enamel, color as selected by Architect.

B. Pulls:

1. Bent wire, brushed stainless steel or brushed aluminum
2. Accurately position on drawer and door fronts
3. Through fastened with machine screws
4. Provide 2 pulls for drawers more than 24 inches in width.

C. Drawer Glides:

1. Manufacturer's standard, epoxy coated metal, nylon rollers, 100 pounds dynamic load (or) European style, bottom mounted, captive profile, epoxy finished, nylon rollers, and 100 pounds dynamic loading with positive in-stop and out-stop.
2. Provide outstop and outkeeper to maintain drawer in 80 percent open position.
3. File drawers and paper storage drawers: Same as above except full extension and load rating static position to be no less than 125 pounds, Blum No. BS 430E.

D. Locks

1. Cylinder type cast with 5-disc tumbler mechanism. Each lock shall be provided with milled brass key and keying as specified in keyed different and master keyed or keyed alike. Provide locks where scheduled on Drawings.
2. Each area or room shall be keyed alike.
3. Locks shall be master keyed using the casework manufacturer's keying system. (This is independent to the building master keying system.)
4. Provide automatic door bolt on double doors at leaf opposite lock core.

E. Adjustable Shelf Supports: Molded nylon or nickel, 2 pin, anti-lift, minimum 200 pounds capacity support clip. Support to accept either 3/4 inch or 1-inch thick shelf.

F. Catches: Magnetic type, adjusted for maximum 5-pound pull. Attach with screws and slotted for adjustment.

G. Grommets: Provide in size and locations shown on final Shop Drawings.

2.5 CABINET CONSTRUCTION

A. Cabinet Base: 2 by 4 pressure treated. Provide additional center support for cabinets over 24 inches wide.

B. Base, Wall, and Tall Cabinet Boxes

1. Sides, bottom, and top: Constructed of glued and spline doweled 3/4 inch particleboard providing balanced construction, surfaced with cabinet liner CLS for semi-exposed and vertical grade laminate for exposed locations.
2. Wall cabinet bottoms and tops: Constructed of glued and spline doweled one inch thick particleboard, providing balanced construction surfaced with vertical grade laminate for exposed locations and cabinet liner CLS for semi-exposed locations.
3. Intermediate support rail: Minimum 3/4 inch particleboard, surfaced with vertical grade laminate of balanced construction, glued and doweled into cabinet sides.
4. Hanger rails: Two located at top and bottom of cabinet back, 3 on tall cabinets, locate at top, bottom, and center of 3/4 inch particleboard.

C. Fixed and Adjustable Shelves and Dividers

1. One inch (particleboard) shelves
2. Exposed Locations: Vertical grade plastic laminate both sides. Color to match cabinet exterior plastic laminate or as selected by Architect.
3. Semi-exposed locations: VGS or CLS
4. Edges: Self edging to match shelf color.
5. Number of adjustable shelves provided, unless indicated otherwise on the Drawings or on the Schedule
 - a. Low and tall cabinets
 - 1) 1 up to 24 inches: 4 up to 72 inches
 - 2) 2 up to 36 inches: 5 up to 84 inches
 - 3) 3 up to 60 inches: 6 up to 96 inches
 - b. Wall hung cabinets
 - 1) 0 up to 24 inches: 2 up to 36 inches
 - 2) 1 up to 30 inches: 3 up to 40 inches
6. Adjustable dividers: 1/4 inch minimum thickness, prefinished tempered hardboard or plywood, smooth both faces, retained by molded plastic support clip.
7. Fixed dividers: Constructed of 3/4 inch particleboard, surfaced with vertical grade laminate, providing balanced construction; glued and spline doweled. PVC edged to match laminate or adjacent PVC edging.

D. Cabinet Doors

1. 3/4 inch particleboard
2. High pressure plastic vertical grade laminate exterior and interior.
3. Doors 48 inches and less in length shall have 2 hinges per door; doors over 48 inches in length shall have 3 hinges per door.
4. Corners: Square, self edged.

E. Drawers

1. Manufacturers standard construction of minimum components listed below; or high density fiber board; glued and doweled or dovetail jointed; surfaced with vertical grade laminate of balanced construction. Bottoms

- constructed of minimum 1/4-inch tempered hardboard, surfaced to match drawer sides, inset and glued to four sides.
- 2. Drawer Face
 - a. Constructed of minimum 3/4-inch particleboard, surfaced with VGS, screw attached to the drawer box.
 - 1) Corners: To match doors.
 - 2) Edging: To match doors.
 - 3) Plastic Laminate: To match doors.
 - 3. File Drawers: File drawers shall be constructed in accordance with standard drawers specified above with the following: Include front-to-back and side-to-side hanger file capability with hanger channel for letter size files integral with file drawer sides and 3/16-inch by 1/2-inch removable steel channel to span side-to-side for legal size hanging files.
- F. Plastic Laminate Counter Tops:
 - 1. High Pressure Plastic Laminate: GP-50 grade.
 - 2. Moisture resistant particleboard
 - 3. Horizontal work surfaces to be 1-1/2 inch thick unless otherwise noted.
 - 4. Cut openings in countertops for sinks or other items required. Cut to size from template furnished by supplier of sinks or use the designated sinks on job.
 - 5. Refer to Unit Drawings for specific counter top details and dimensions.
 - 6. Edging: Self edged
 - 7. Provide balancing sheet on opposite face.
 - 8. Laminate tops shall be continuous in practical lengths. When requiring splice joints, use a combination of splines or dowels for alignment and Tite-Joint fasteners as required to make a uniform and gapless joint.
 - 9. Backsplash and Endsplashes: Scribable, square set, color matching, and mechanically attached.
 - a. Backsplashes are required at locations where countertops abut walls where indicated on Drawings.
 - b. Edges of back and endsplashes shall be of square edge configuration.
- G. Solid Surfacing Countertops: Refer to section 06616
- H. Sealants: Fully bed and seal splashes to tops and to other splashes with Dow Corning 786 Mildew Resistant Silicone Sealant, clear; or Architect approved equal.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Examine conditions under which casework will be installed. Do not proceed with installation until all unsatisfactory conditions have been corrected.
- B. Condition casework to conditioned space prior to installation.

3.2 INSTALLATION

- A. Install woodwork to comply with AWI Section 1700 for the same grade specified in Part 2 of this Section for type of woodwork involved.
- B. Set and Secure cabinetwork and finish carpentry items in place rigid, plumb, and square.
 - 1. Scribe and cut woodwork to fit adjoining work, and refinish cut surfaces and repair damaged finish at cuts.
 - 2. When necessary to scribe on site, make material with ample allowance for cutting.
 - 3. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.
 - 4. Use purpose designed fixture attachments for mounted components.
 - 5. Counter-sink semi-concealed anchorage devices used to wall mount components and conceal with solid plugs of species to match surrounding wood. Place flush with surrounding surfaces.
 - 6. All wood mounting devices or wood frame work in contact with concrete or masonry shall be pressure treated.
- C. Permanently fix cabinet bases to floor using appropriate components.
- D. Cabinets: Install without distortion so doors and drawers fit openings and are aligned. Adjust hardware to center doors and drawers in openings.
 - 1. Install cabinets to a tolerance of 1/8 inch in 12'-0 for plumb and level and with no variations in flushness of adjoining surfaces.
- E. Countertops: Anchor by screwing through corner blocks of base cabinets or other supports into underside of countertop.
 - 1. Install countertops with no more than 1/8 inch in 12'-0 for plumb and level and with no variations in flushness of adjoining surfaces.
 - 2. Secure backsplashes to walls with adhesive.
 - 3. Calk space between backsplash and wall with sealant specified in Division 7 Section "Joint Protection."
- F. Trim: Install with minimum number of joints possible, using full length pieces (from maximum length lumber available) to the greatest extent possible. Do not use pieces less than 36 inches long, except where necessary.
- G. Install fixtures and accessories supplied under other sections for installation. Install items in accordance with manufacturer's instructions.

3.3 ADJUSTMENT AND CLEANING

- A. Adjust casework and hardware so that doors and drawers operate smoothly and within accessibility requirements.
- B. Install a chain on doors where door will hit an obstruction before it is fully opened.
- C. Defective workmanship or damaged components shall be corrected, repaired, or replaced, as requested by the Architect, without further cost to the Owner.

- D. End cabinets placed against corners or where they tee into other cabinets or obstacles shall be provided with chain or bracket stops on the inside of the doors to prevent the door or door handles from hitting the obstruction.
- E. Exposed surfaces, edges, and cabinet interior shall be cleaned, and construction and installation marks removed prior to acceptance by Owner.

END OF SECTION 12320

SECTION 12500
WINDOW TREATMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes: Horizontal louver blinds
- B. Refer to Drawings for scheduled locations.

1.2 SUBMITTALS

- A. Product Data: Include Transmit copy of instructions and recommendations to the installer.
 - 1. Manufacturer's specifications for each type of unit required.
 - 2. Methods of installation for each type of opening and supporting structure.
 - 3. Maintenance instructions including recommended cleaning materials.
 - 4. Operating hardware.
- B. Shop Drawings: Plans showing locations of each unit and specific details not described in the manufacturer's specifications.
- C. Samples: Manufacturer's standard color chain for each type of blind indicated.

1.3 QUALITY ASSURANCE

- A. Source Limitations: Obtain blinds through one source from a single manufacturer.
- B. Fire-Test-Response Characteristics: Provide blinds with the fire-test-response characteristics indicated, as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - 1. Flame-Resistance Ratings: Passes NFPA 701.
- C. Corded Window Covering Product Standard: Provide horizontal louver blinds complying with WCMA A 100.1.

1.4 PROJECT CONDITIONS

- A. Verify dimensions and conditions at jobsite. Dimensions noted on the Drawings are for guidance only.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. The following manufacturers are specified as the type, size, function, and quality of products required to be provided:
 - 1. Horizontal window blinds:
 - a. Levolor Corp., Newell Rubbermaid, Inc.
 - b. Hunter Douglas, Inc.
 - c. Bali Horizontal Blinds, Springs Window Fashions
 - d. Graber Blinds, Springs Industries

2.2 HORIZONTAL WINDOW BLINDS

- A. Headrail: Manufacturer's standard headrail, channel shaped section fabrication from minimum 0.024 inch thick sheet steel. Increase metal thickness as recommended by the manufacturer for larger blind units. Cross brace for extra rigidity. Furnish complete with tilting mechanism, top and end brace, top cradle, cord lock, and accessory items required for the type of blind and installation indicated.
- B. Bottom Rail: Manufacturer's standard steel bottom rail, designed to withstand twisting or sagging. Contour top surface to match slat curvature, with flat or slightly curved bottom. Close ends with manufacturer's standard metal or plastic end caps, of the same color as rail. Finish rail the same color as slats, unless otherwise indicated.
- C. Slats: Manufacturer's standard, one-inch, minimum 0.008 inch aluminum with rounded corners and forming burrs removed.
- D. Braided Ladders: Manufacturer's standard polyester support cords with integrally braided ladder rungs. Provide cord size and rung spacing as required for each type of blind.
- E. Tilter: Manufacturer's standard enclosed, lubricated, tilting mechanism which will tilt and securely hold the tilting rod, slats, and bottom rail at any set angle. Furnish wand (or rod) type tilter consisting of standard tilter mechanism adapted for rotating wand operation. Furnish manufacturer's standard plastic or aluminum rod of proper length of suit blind installation.
- F. Cords: Manufacturer's standard braided polyester or nylon cord, sized to suit blind type, equipped with soft molded plastic, rubber, or composition tassels securely attached to each cord end.
- G. Color by Architect.

2.3 ACCESSORIES

- A. Provide installation hardware, fasteners, hooks, and other miscellaneous items required for a finished and complete installation.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Position items true to plumb line and level. Provide additional supports or attachment as required for installation.
- B. Install track and all items and accessories in accordance with the manufacturer's written instructions and approved shop drawings.
- C. After complete installation, demonstrate to the Architect that components are fully operable and will perform as intended.

END OF SECTION 12500