

SPRINGSTONE-CHILDREN'S LEARNING CENTER

2441 GRANDE BLVD. NE, RIO RANCHO, NEW MEXICO

PROFESSIONALS INVOLVED:

ARCHITECT - LESLIE L. ROBINSON

STRUCTURAL - 4 HILLS DESIGNERS - IRA B. WHITE, P.E.

ELECTRICAL - RMS ENGINEERING, INC. - ROBERT SMARTWOOD, P.E.

MECHANICAL/PLUMBING - TERRY WALKER, P.E.

SURVEY - ALDRICH LAND SURVEY CO.

GRADING & DRAINAGE - COMMUNITY SCIENCES CORP.

CODE DESIGN DATA

OCCUPANCY TYPE	E-3
TYPE OF CONSTRUCTION	V-N
AREA OF FLOOR	10310 SQ. FT.
OCCUPANT LOAD	236
SEISMIC ZONE	2-B
SOIL BEARING CAPACITY	1500 PSF
CONCRETE STRENGTH	3000 PSI
STRESS VALUES:	
LUMBER	975 PSI
STEEL	33-55 PSI
WIND DESIGN LOAD	-80 MPH (CAT. C-17.4 PSF)
1 STORY - HEIGHT	15'-8" & 26'
LAND USE ZONE	SU-1
LOCATION OF PROPERTY	- SEE VICINITY MAP

INDEX OF DRAWINGS

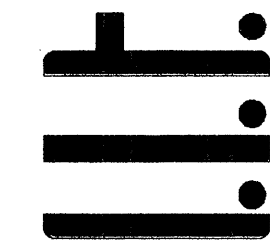
- COVER SHEET
- GRADING & DRAINAGE PLANS
- 1 - SITE PLAN
- 2 - LANDSCAPE PLAN
- 3 - FLOOR PLAN
- 4 - ELEVATIONS
- 5 - FOUNDATION PLAN
- 6 - ROOF FRAMING PLAN
- 7 - ROOF DRAINAGE PLAN
- 8 - CROSS SECTIONS
- 9 - WALL SECTION
- 10 - KITCHEN DETAILS
- 11 - HANDICAP DETAILS
- 12 - HEATING
- 13 - COOLING
- E-1 ELECTRICAL - LIGHTING PLAN & POWER PLAN
- E-2 ELECTRICAL - SITE PLAN & DETAILS
- P-1 MECHANICAL - WASTE & VENT PIPING PLAN
- P-2 MECHANICAL - WATER & GAS PIPING PLAN

VICINITY MAP - SEE GRADING & DRAINAGE

NOTE: THIS BUILDING HAS BEEN DESIGNED TO COMPLY
WITH ALL SEISMIC REQUIREMENTS OF ZONE 2B
AS STATED IN THE 1997 UBC CHAPTER 16.

COVER SHEET
SSUSCOVER-40

leslie l. robinson
architect



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SPRINGSTONE - GRANDE

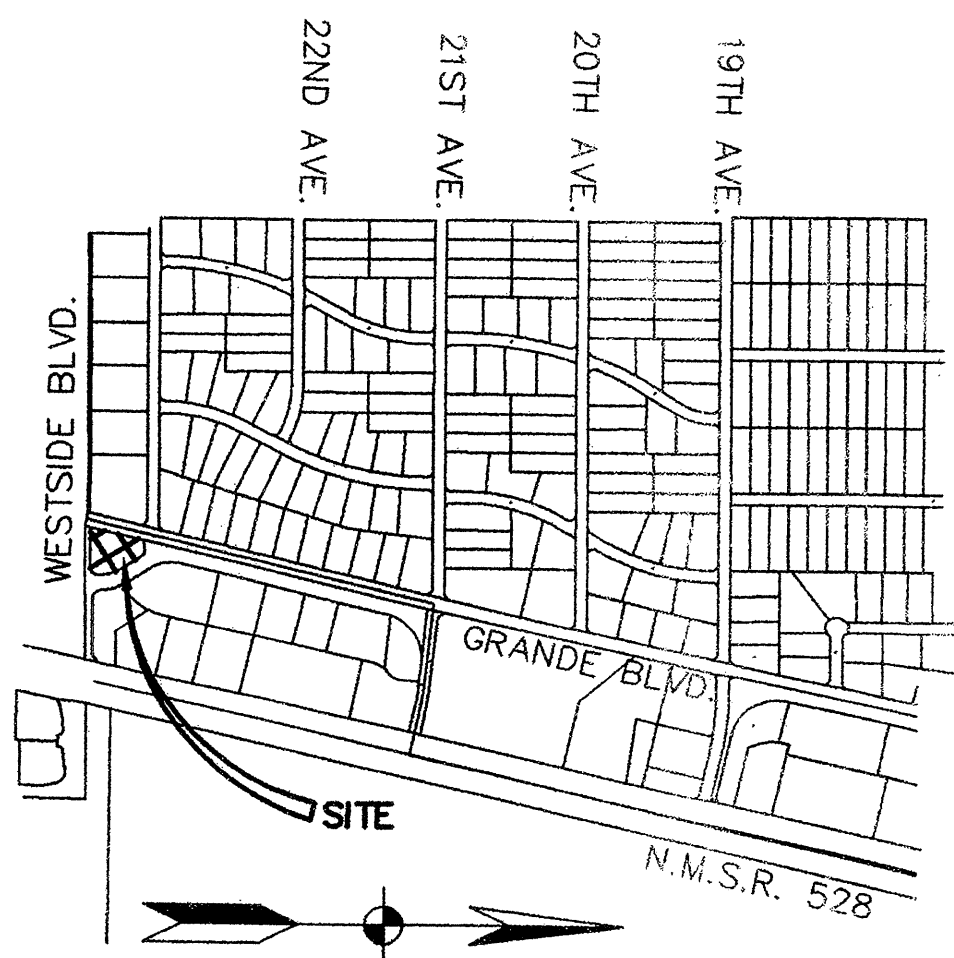
CHILDREN'S LEARNING CENTER

4-HILLS
DESIGNERS



SPRINGSTONE - GRANDE

Rio Rancho, New Mexico Improvements For GRADING, DRAINAGE AND UTILITIES



VICINITY MAP

GENERAL NOTES:

1. ALL PAVING AND DRAINAGE WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF RIO RANCHO" STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION. ANY PAVING AND DRAINAGE CONSTRUCTION SPECIFIED HEREIN WHICH IS NOT DICTATED BY "CITY OF RIO RANCHO" STANDARDS SHALL BE CONSTRUCTION IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE. (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING UNDERGROUND FACILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE COUNTY OR CITY AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
5. WARNING - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
6. THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2	GRADING/DRAINAGE & UTILITY PLAN
3	DETAIL SHEET

LEGAL DESCRIPTION:

THAT CERTAIN TRACT OF LAND SITUATE WITHIN THE TOWN OF ALAMEDA GRANT, PROJECTED SECTION 31, TOWNSHIP 12 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDAN, CITY OF RIO RANCHO, SANDOVAL COUNTY NEW MEXICO, AND BEING COMPRISED OF A PORTION OF AMENDED TRACT "A" OF UNIT 16, RIO RANCHO ESTATES AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT ENTITLED "REPLAT OF A PORTION ON UNIT SIXTEEN RIO RANCHO ESTATES, TOWN OF ALAMEDA GRANT, SANDOVAL COUNTY, NEW MEXICO"

NOTE:

THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION ONLY. BOUNDARY DATA IS SHOWN FROM A PREVIOUS SURVEY

PROPERTY ADDRESS:

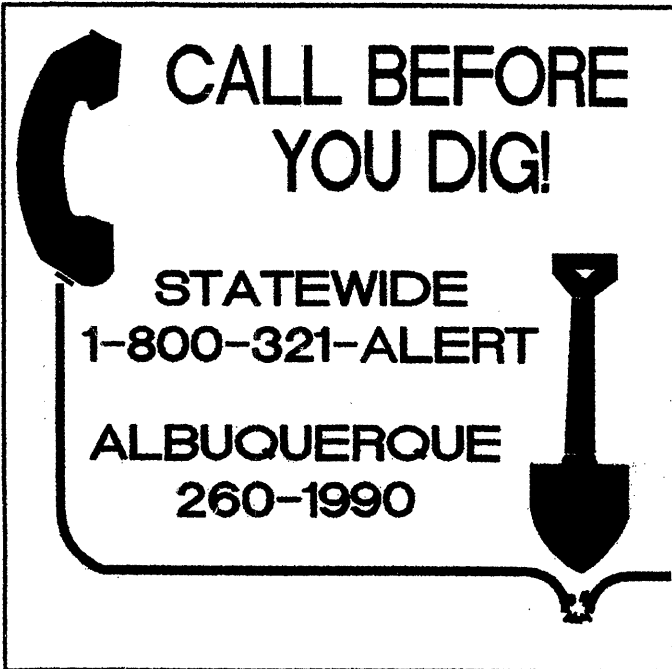
2441 HIGHWAY 528, RIO RANCHO, NM 87124
GRANDE BLVD. SE

PROJECT BENCH MARK:

A CROSS CHISELED IN THE CONCRETE MANHOLE APRON SET FOR THE NORTHWEST PROPERTY CORNER OF TRACT A-9A; = 5214.09

SURVEY:

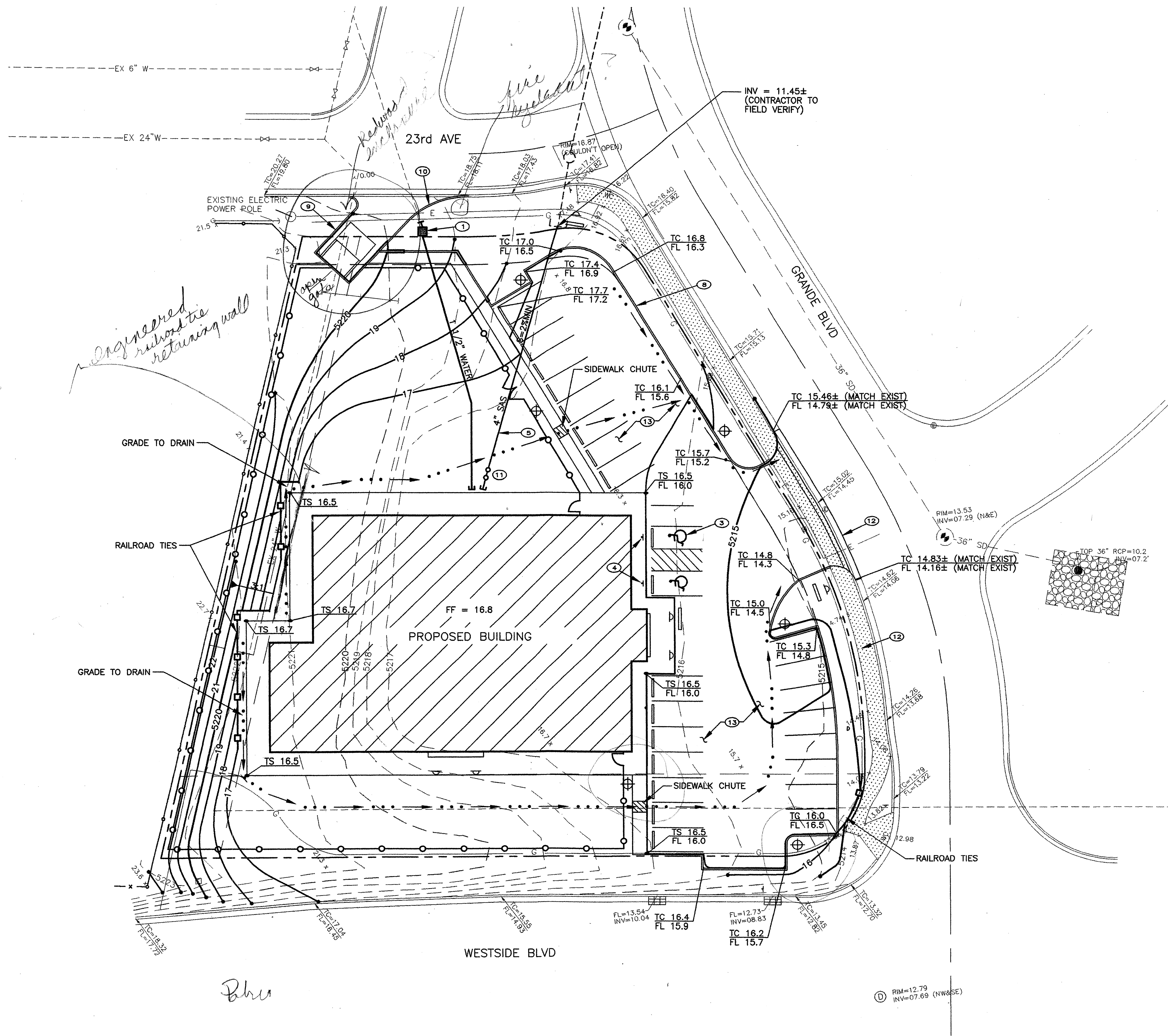
TOPOGRAPHIC AND FIELD SURVEY PERFORMED BY ALDRICH
DATE - 07/16/01



SLOPE PROTECTION AND DRAINAGE

THE EDGES OF THE CONTROLLED FILL EMBANKMENTS SHALL BE GRADED TO THE CONTOURS SHOWN ON THE DRAWINGS AND COMPACTED TO THE DENSITY REQUIRED IN GEOTECHNICAL REPORT. IT SHALL BE THE GRADING CONTRACTOR'S RESPONSIBILITY TO REASONABLY PROTECT THE SITE FROM ALL RUNOFF RELATED AND WIND BORNE EROSION UNTIL THE OWNER HAS ARRANGED FOR CRIMPED STRAW EROSION PROTECTION. SUCH PROTECTION SHALL BE PROVIDED BY THE OWNER WITHIN 30 DAYS OF COMPLETION OF THE GRADING BY THIS CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S SEAL				DATE: 6/1/01		APPROVED FOR CONSTRUCTION	
				DESIGNED: REH/PJM	<i>community sciences corporation</i>		CITY OF RIO RANCHO
				DRAWN: REH/PJM			NMUTILITY
				CHECKED: LCL			DATE
				JOB NO: 561-000-000			
PROJECT NO. 561-02-600				LAND PLANNING P.O. Box 1528		ENGINEERING SURVEYING Corrales, N.M. 87046	



CONSTRUCTION NOTES:

- NEW 1 1/2" DOMESTIC WATER AND METER SEE SHEET 3 OF 3 FOR METER BOX DETAIL. (BY OTHERS, METER COST & TAP FEE BY CONTRACTOR)
- NEW TELEPHONE SERVICE (BY OTHERS)
- HANDICAP SYMBOL PAINTED ON PAVEMENT PER CITY OF RIO RANCHO
- HANDICAP PARKING SIGN PER CITY OF RIO RANCHO SPECIFICATIONS
- NEW 4" SANITARY SEWER SERVICE LATERAL
- PLUMBING CONTRACTOR SHALL PROVIDE NEW GAS SERVICE FROM NEW METER (BY OTHERS)
- NEW PRIMARY ELECTRICAL SERVICE, (BY OTHERS)
- CONSTRUCT 6" CONCRETE HEADER CURB (SEE RIO RANCHO S.T.D. DETAIL SHT. 2)
- CONSTRUCT MASONRY TRASH ENCLOSURE. (SEE ARCHITECTS DRAWINGS)
- CONSTRUCT CURB & GUTTER PER CITY OF RIO RANCHO STANDARDS (SEE DETAIL, SHT. 3 OF 3).
- INSTALL CLEANOUT (TYP.) PER UNIFORM PLUMBING CODE.
- CONSTRUCT ENTRY AND VALLEY GUTTER PER CITY OF RIO RANCHO STANDARDS (SEE DETAIL, SHT. 3 OF 3).
- CONSTRUCT TYPICAL PAVEMENT SECTION 3" A.C. OVER 6" A.B. PER DRIVEWAY PAVEMENT SECTION (SEE DETAIL SHEET).

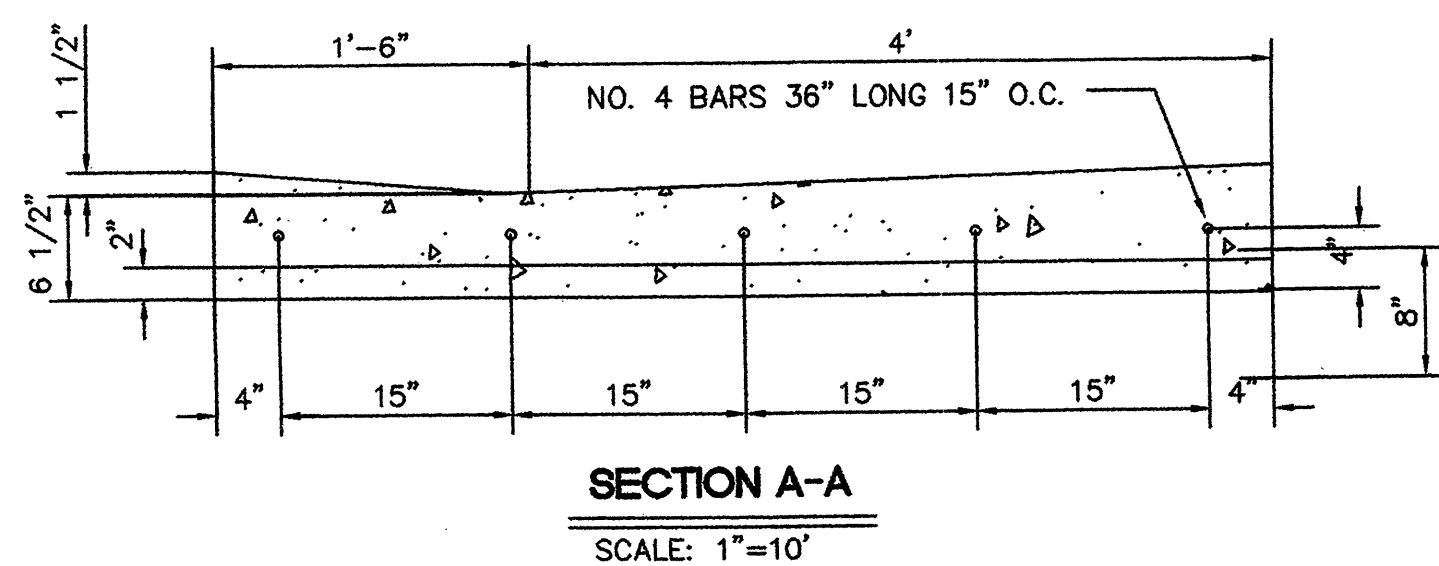
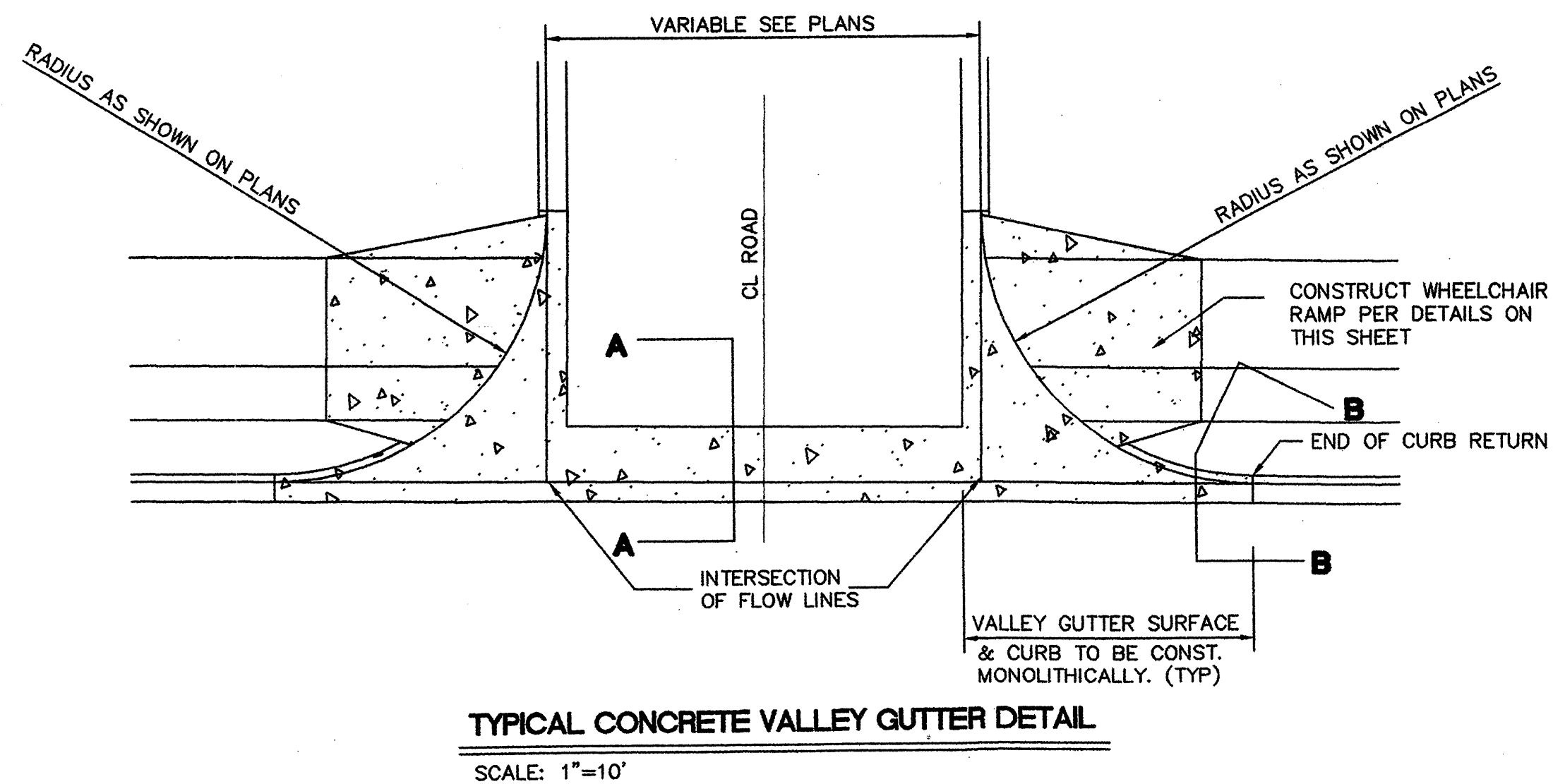
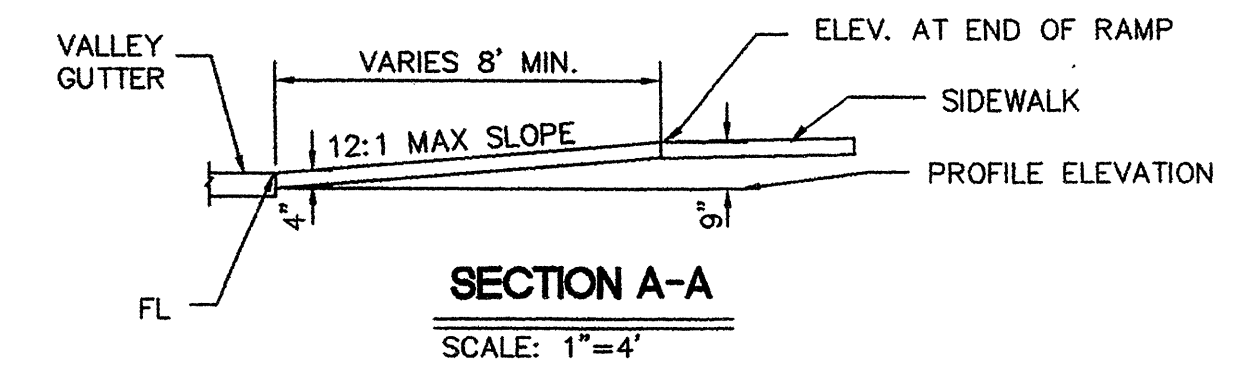
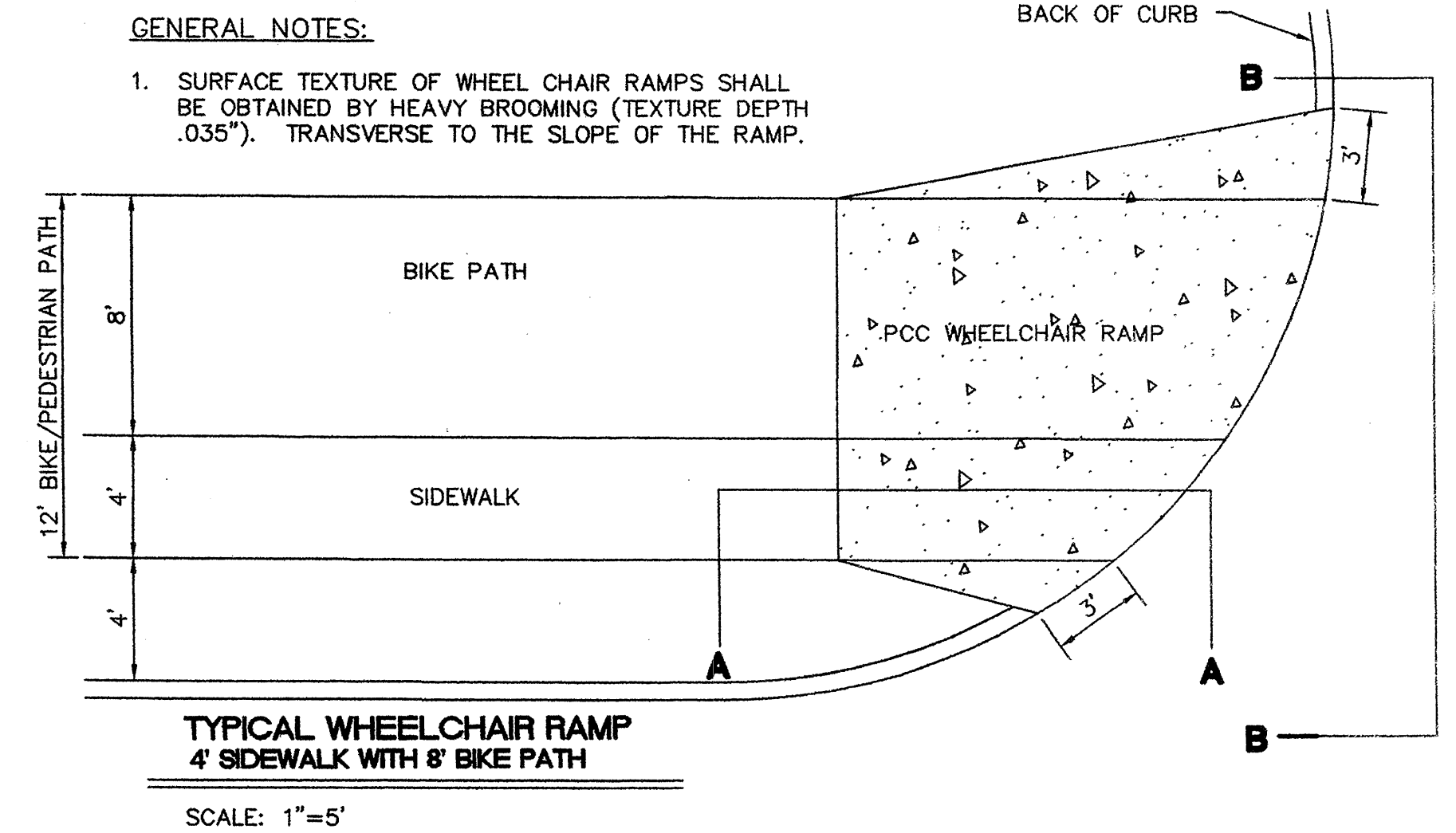
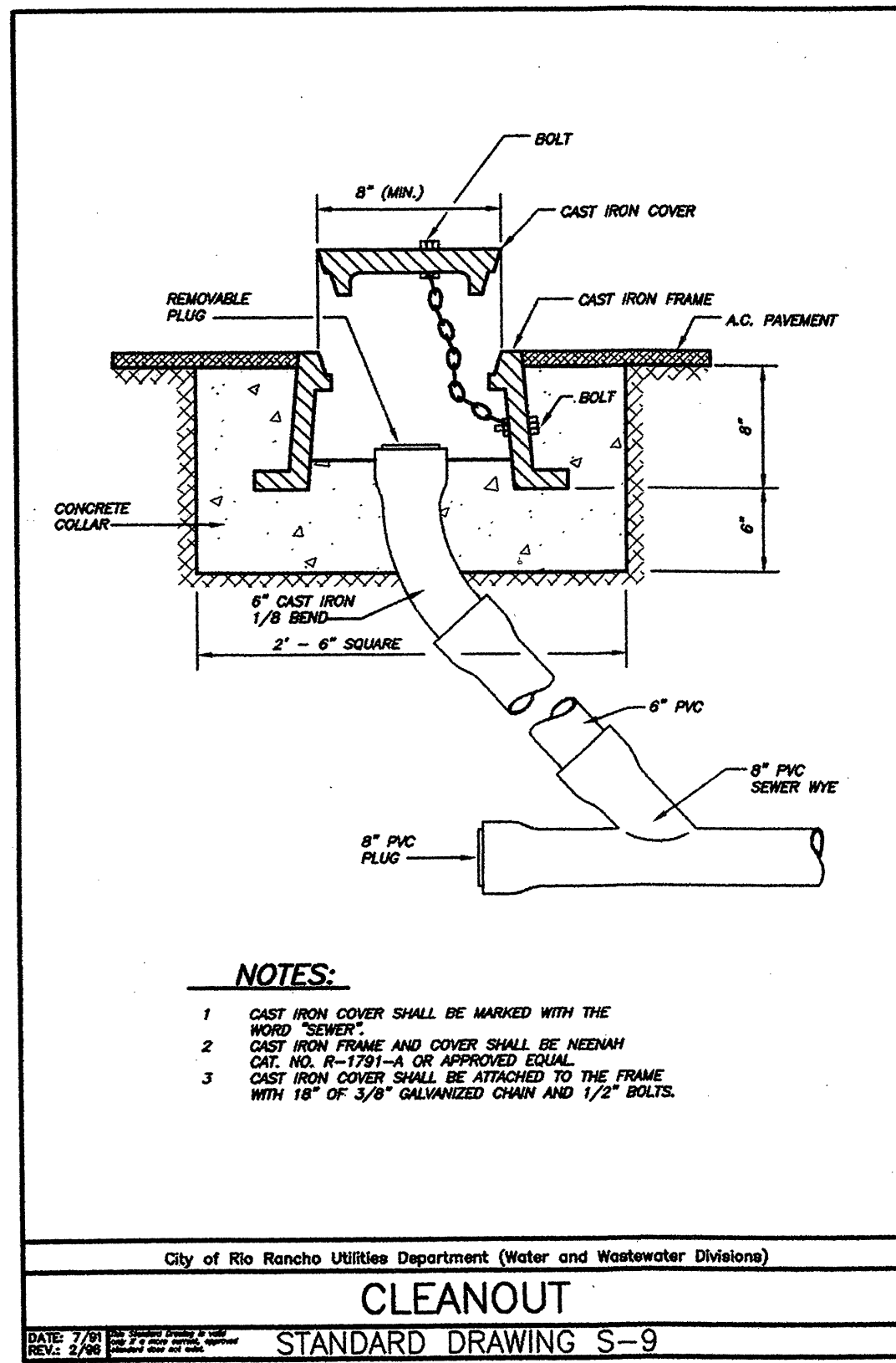
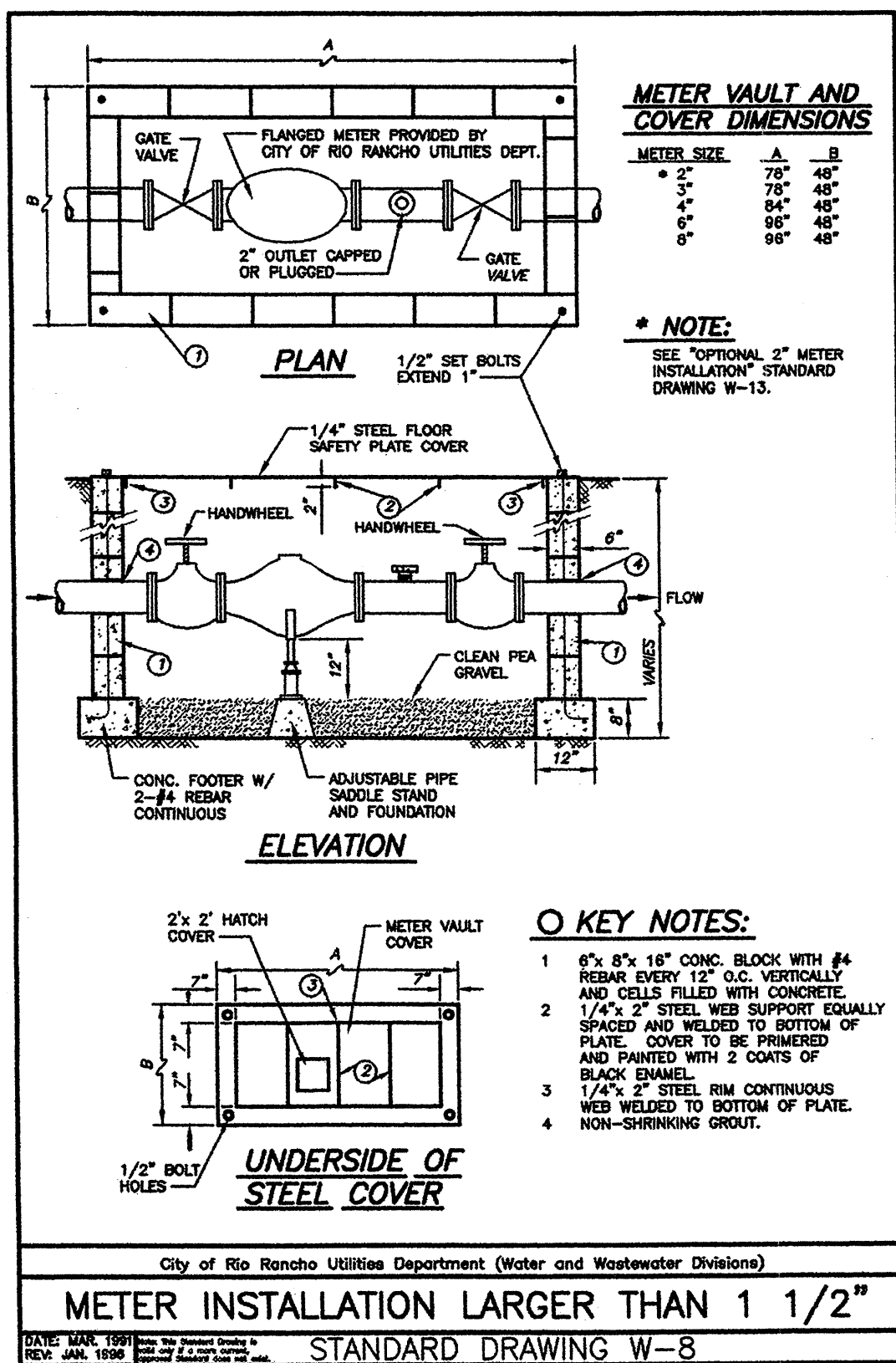
LEGEND

- FF=16.8 PROPOSED FINISH FLOOR ELEVATION
- FL=14.21 PROPOSED FLOW LINE ELEVATION
- TC=98.43 PROPOSED TOP OF CURB ELEVATION
- TS TOP OF SIDEWALK
- 99.0 PROPOSED SPOT ELEVATION
- PROPOSED CONCRETE VALLEY GUTTER
- PROPOSED 6" CURB AND GUTTER
- SWALE / FLOW ARROW
- X 5050.09 EXISTING SPOT ELEVATION
- WM WATER METER

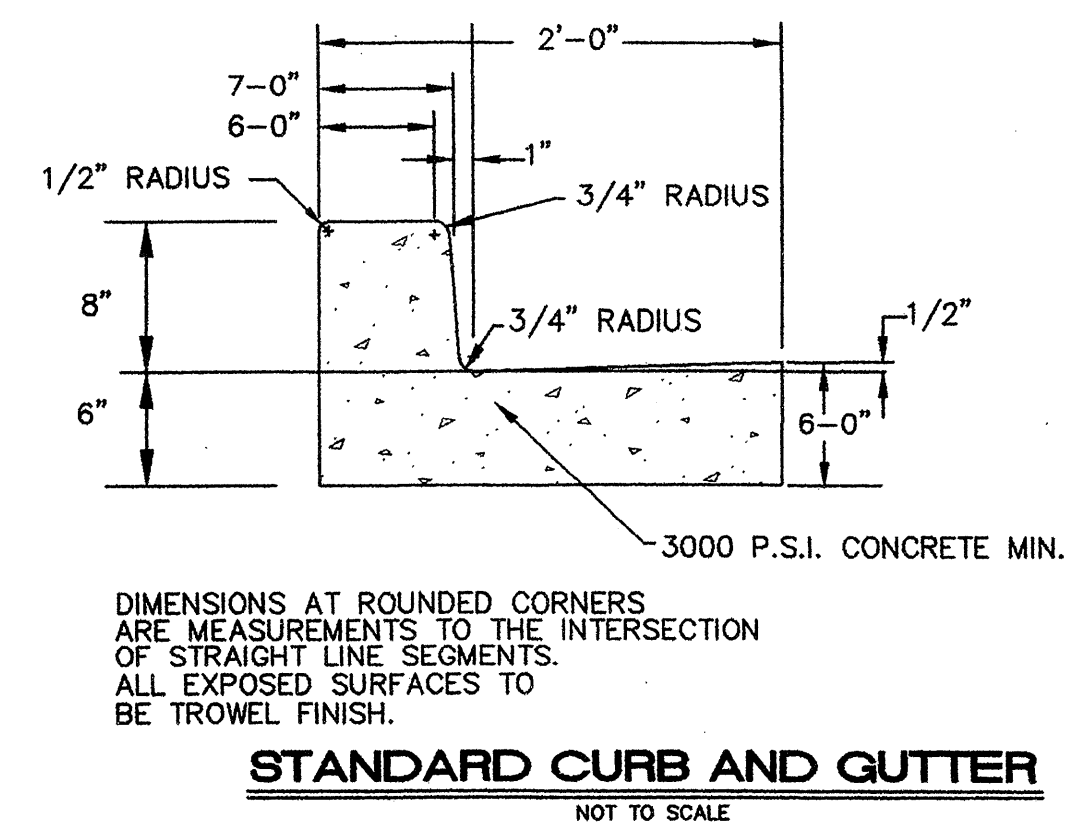
GENERAL NOTES:

- CONTRACTOR TO COORDINATE UTILITY TIES WITH APPROPRIATE PROVIDERS AND MECHANICAL DRAWINGS.

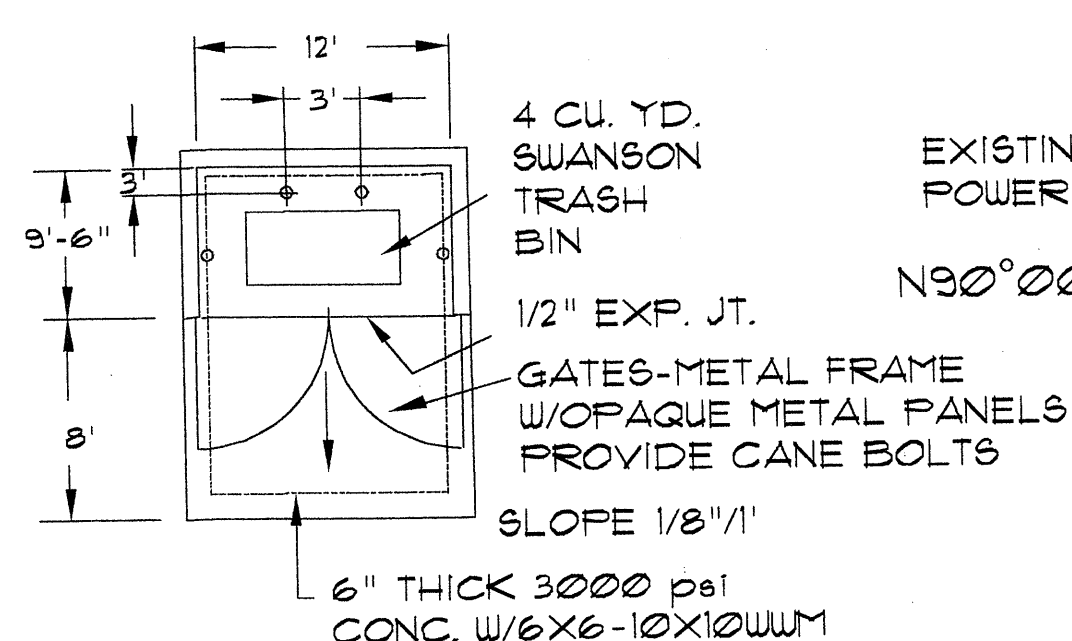
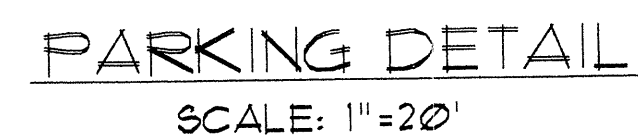
ENGINEER'S SEAL		Springstone - Grande Children's Learning Center GRADING / DRAINAGE AND UTILITY PLAN		
	DATE:	6/20/01		SHEET 2 3
	SCALE:	AS SHOWN		
	DESIGNED:	REH/PJM		
	DRAWN:	REH/PJM		
CHECKED:	LCL	LAND PLANNING P.O. Box 1328 Corrales, N.M. 87048	ENGINEERING SURVEYING Corrales, N.M. 87048	



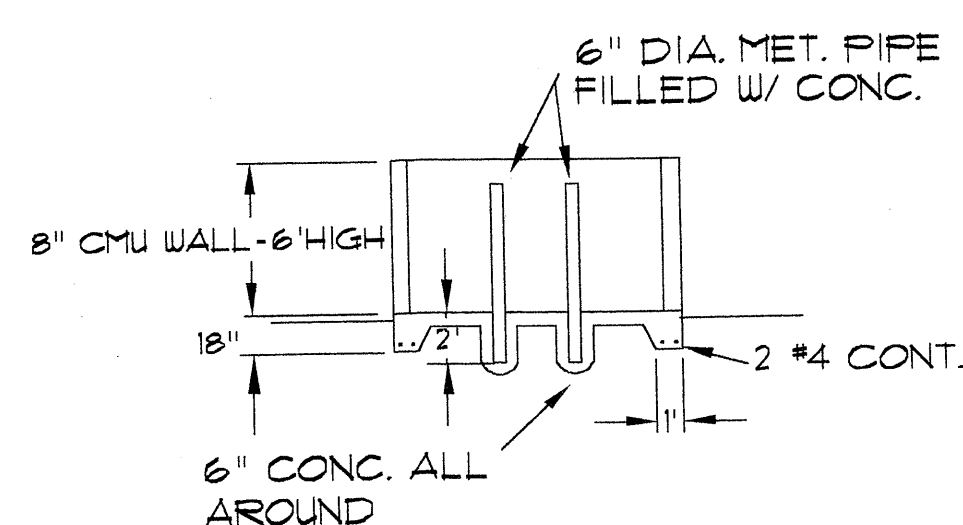
- GENERAL NOTES:
- SEE PLANS FOR FINISH GRADE ELEVATIONS (GUTTER FLOWLINE) FOR END OF CURB RETURNS AT CONTROL JOINTS ALONG CURB & AT INTERSECTIONS OF PROJECTED FLOWLINES.
 - VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF THE CURB RETURNS & THE INVERT SHALL EXTEND THE FULL LENGTH OF THE VALLEY GUTTER.
 - THE VALLEY GUTTER SHALL BE REINFORCED WITH 6x6 - 6x6 WELDED WIRE FABRIC.
 - FOR NEW CONSTRUCTION THE VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT.
 - PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING STREETS PAVEMENT REMOVALS AS SHOWN ON THE PLANS SHALL BE COMPLETED.



ENGINEER'S SEAL		Springstone - Grande Children's Learning Center	
		DETAIL SHEET	
DATE:	6/2001	community sciences corporation	SHEET 3
SCALE:	AS SHOWN		
DESIGNED:	REH/PJM		
DRAWN:	REH/PJM		
CHECKED:	LCL	LAND PLANNING	ENGINEERING SURVEYING
		P.O. Box 1328	Corrales, N.M. 87048

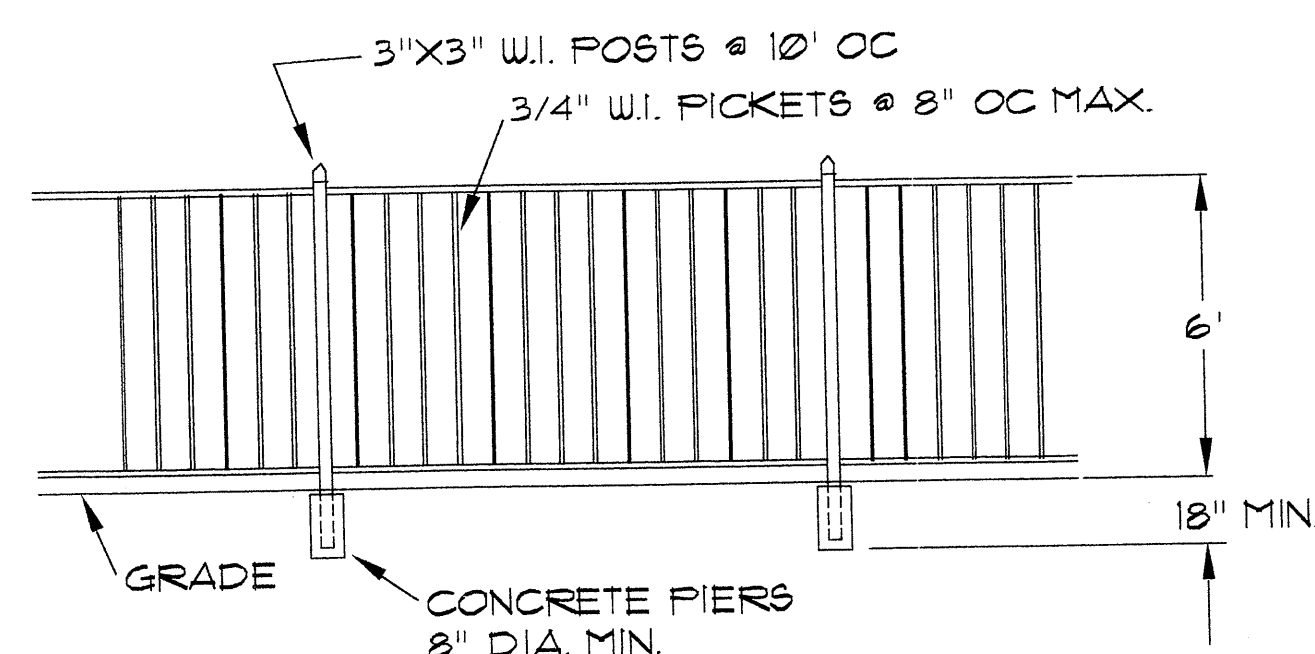


DUMPSTER PLAN



DUMPSTER SECTION

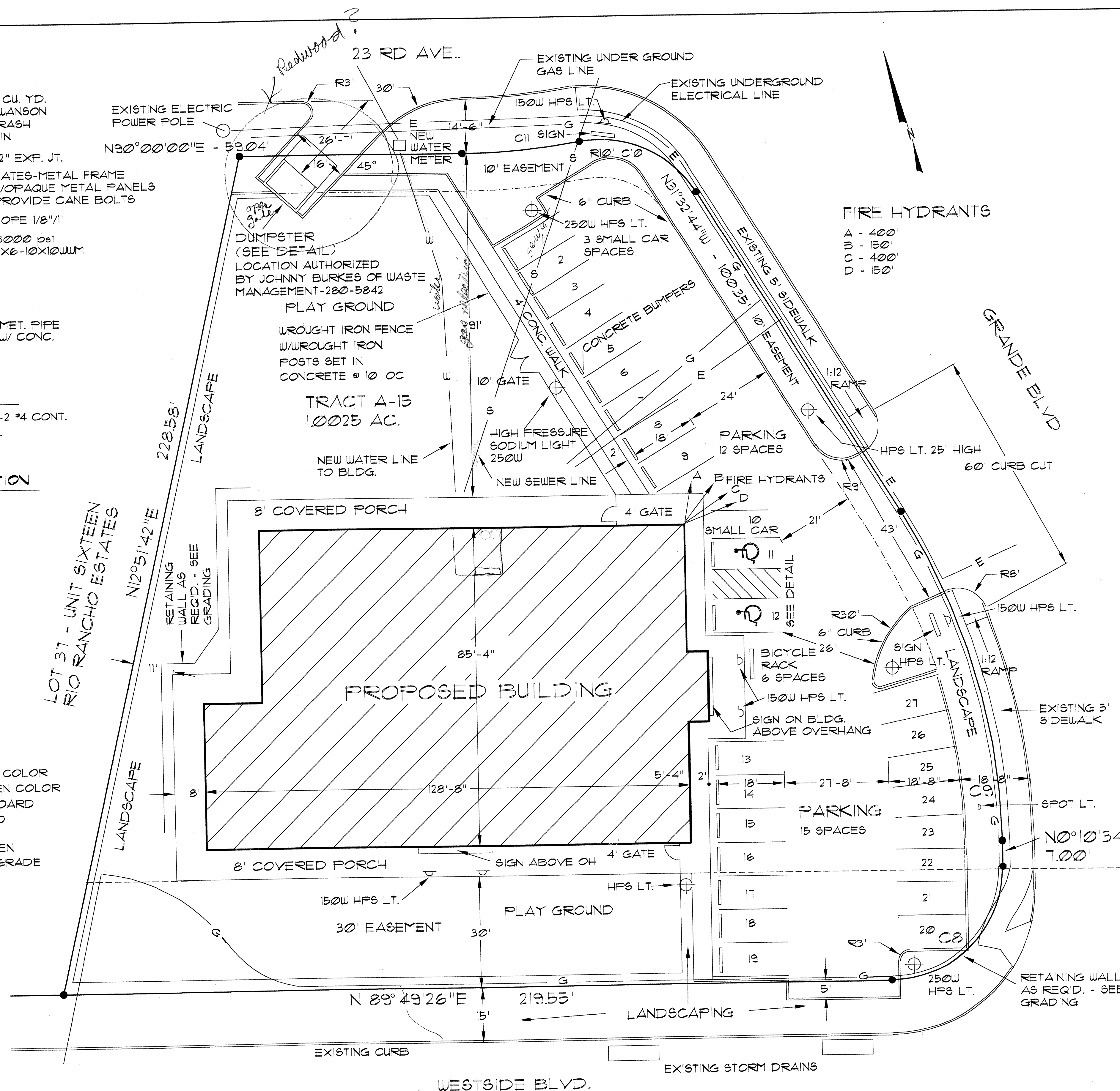
AREA OF LOT 44668 SQ. FT.
AREA OF BUILDING 10,370 SQ. FT.
AREA OF COVERED PORCHES 3477 SQ. FT.
AREA OF ASPHALT PARKING 11,240 SQ. FT.
AREA OF LANDSCAPING 6750 SQ. FT.
BUILDING USE - DAY CARE - LEARNING CENTER
HOURS OF OPERATION & ILLUMINATION - 6 AM TO 10 PM
NUMBER OF EMPLOYEES - 15
MAXIMUM BUILDING HEIGHT - 26'



WROUGHT IRON FENCE DETAIL

BUILDING MATERIALS

EXTERIOR - SPLIT FACE CMU - CORAL COLOR
ROOF - STANDING SEAM METAL - GREEN COLOR
INTERIOR - METAL STUDS W/GYPSUM BOARD
ROOF TRUSSES - MANUFACTURED WOOD
ROOFING - BUILT-UP W/GRAVEL
FENCE - WROUGHT IRON - COLOR GREEN
FOUNDATION - CONCRETE - SLAB ON GRADE



CURVE	RADIUS	ARC L.	CHORD L.	CHORD BEAR.	DELTA
C8	30.00'	47.12'	42.43'	N44°49'26"E	90°00'00"
C9	170.00'	93.07'	91.92'	N15°51'33"W	3°22'09"
C10	30.00'	35.82'	33.73'	N65°45'10"W	68°24'53"
C11	180.00'	31.29'	31.25'	N85°01'11"E	9°57'37"

STEP PLAN

SCALE: 1" = 15'

1" = 15'

7.5' 0' 7.5'

GRAPHIC SCALE IN FEET

LEGAL DESCRIPTION

THAT CERTAIN TRACT OF LAND SITUATE WITHIN THE TOWN OF ALAMEDA GRANT, PROJECTED SECTION 31, TOWNSHIP 12 NORTH RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF RIO RANCHO, SANDOVAL COUNTY NEW MEXICO, AND BEING COMPRISED OF A PORTION OF AMENDED TRACT "A" OF UNIT 16, RIO RANCHO ESTATES AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT ENTITLED "REPLAT OF A PORTION OF UNIT SIXTEEN RIO RANCHO ESTATES, TOWN OF ALAMEDA GRANT, SANDOVAL COUNTY, NEW MEXICO"

robinson
architect

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STATION 62 AND 63

THE SUNNY LEAF SOCIETY

4-HILLS

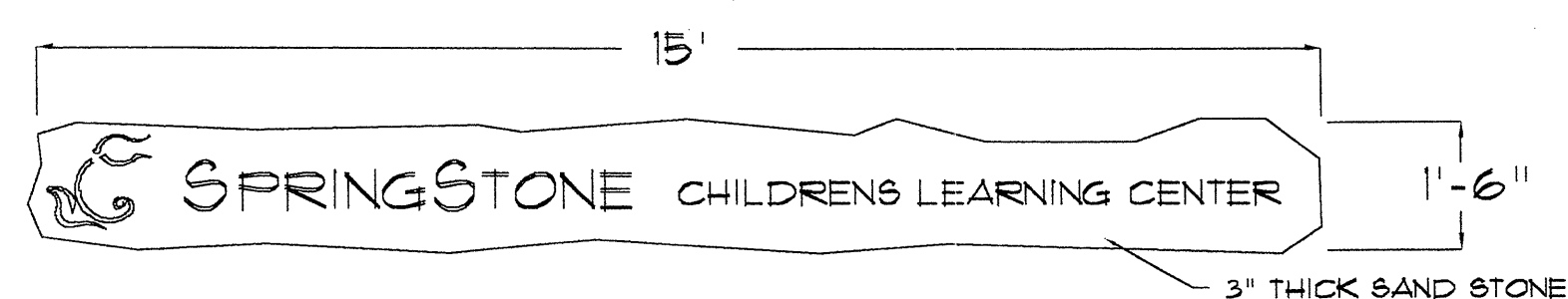
SITE

4-HILLS DESIGNERS
1605 SOPLO RD. SE
ALBUQUERQUE, NM 87123
(505) 294-1296

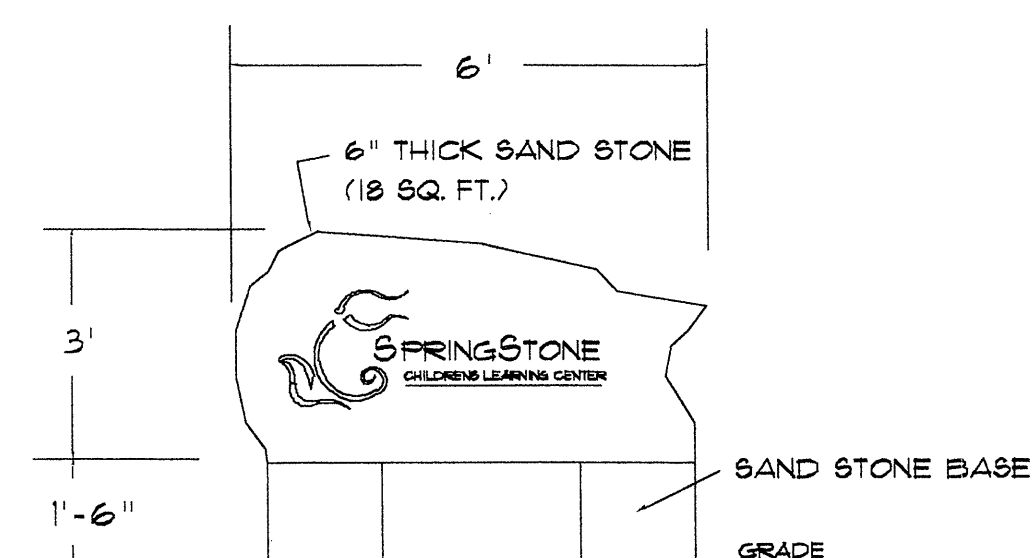
SSWSITE4-36

8-17-0

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SIGNS ON BUILDING



SIGN AT STREET ENTRY

LANDSCAPE CALCULATIONS

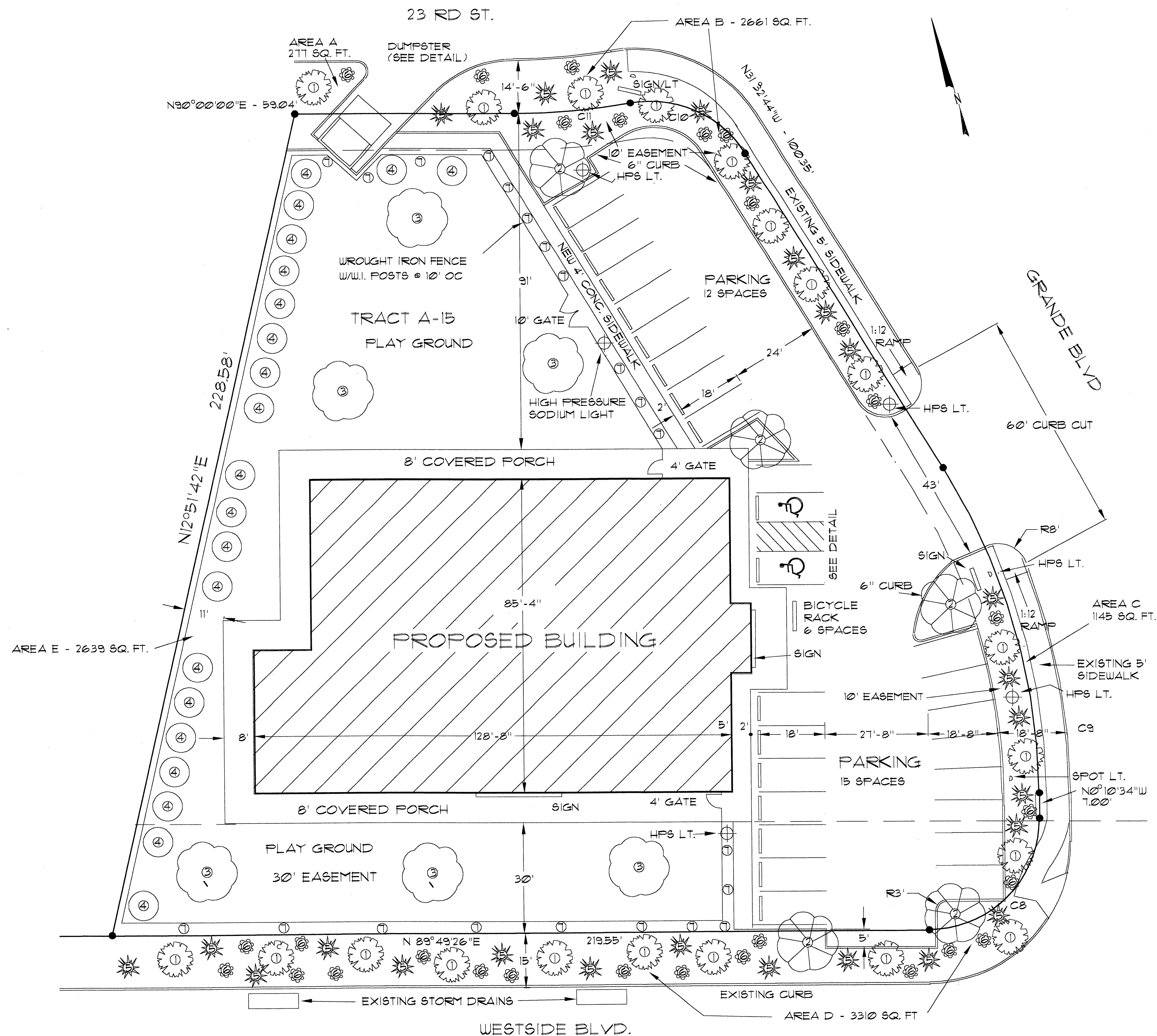
TOTAL LOT AREA 44986 SQ. FT.
 LANDSCAPE REQUIREMENT .15X44986SQ. FT. = 6748 SQ. FT.
 LANDSCAPING PROVIDED:
 AREA A - 277 SQ. FT.
 AREA B - 2661 SQ. FT.
 AREA C - 1145 SQ. FT.
 AREA D - 3310 SQ. FT.
 AREA E - 2639 SQ. FT.
 TOTAL - 10,032 SQ. FT.

PLANT SCHEDULE

- ① MODESTO ASH - EXISTING TO REMAIN
- ② SYCAMORE LEAF MAPLE TREE
- ③ COTTONWOOD TREE
- ④ HOLLYWOOD JUNIPER TREE
- ☀ JUNIPER SHRUB
- ☼ BARBERRY SHRUB
- ① ENGLISH IVY

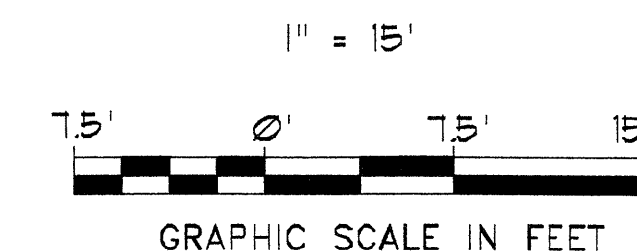
NOTES:

1. PROVIDE SPRINKLER SYSTEM TO ALL LANDSCAPED AREAS WITH AUTOMATIC CONTROLLER WITH MULTIPLIED PROGRAMING CAPABILITY.
2. THE OWNER OF THIS BUILDING SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE LANDSCAPING.
3. LANDSCAPING SHALL COMPLY WITH ALL REQUIREMENTS OF AMREP & THE RIO RANCHO PLANNING DEPT.
4. THE PLAYGROUND AREAS SHALL BE COMPOSED OF PEA GRAVEL, SAND, CONCRETE, CONCRETE COVERED WITH ASTRO-TURF AND 3" DEEP WOOD CHIPS USED AS ENERGY ABSORBING SURFACE BENEATH SWINGS AND SLIDES. PLAYGROUND SURFACES SHALL COMPLY WITH NEW MEXICO RULES & REGS FOR CHILD CARE CENTERS - 25.4.3.



LANDSCAPE PLAN

SCALE: 1" = 15'



4-HILLS DESIGNERS
 1625 S OFLO RD, SE
 ALBUQUERQUE, NM 87123
 (505) 234-1236

LANDSCAPE
 66WSLANDSCAPE-361

les l. robinson
 architect

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SPRINGSTONE - GRANDE
 CHILDREN'S LEARNING CENTER

4-HILLS
 DESIGNERS

2

13 B7

8-17-01

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GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- VERIFY FLOOR PLAN DIMENSIONS WITH FOUNDATION PLAN.
- EXTERIOR WALLS SHALL BE 8" CMU SPLIT FACE. INTERIOR BEARING WALLS SHALL BE 60CSJ 18 GAGE METAL STUDS @ 16" OC. INTERIOR NON-BEARING WALLS SHALL BE 362CSJ 25 GAGE METAL STUDS @ 24" OC. PLUMBING WALLS SHALL BE 60CSJ 20 GAGE METAL STUDS @ 24" OC.
- ROUND CORNER BEADS @ ALL INTERIOR WALLS.
- ALL GLASS WITHIN 24" OF A DOOR, TUB OR SHOWER SHALL BE TEMPERED OR SAFETY GLASS PER 1997UBC 2406.
- ALL CEILING HEIGHTS SHALL BE AS SHOWN ON PLANS.
- INSTALL A COMPLETE FIRE ALARM SYSTEM WITH MANUAL PULL STATIONS AND ALARM SPEAKERS THROUGHOUT THE ENTIRE FACILITY. THE FIRE ALARM SYSTEM MUST MEET THE APPLICABLE REQUIREMENTS OF NFPA 70 ELECTRICAL CODE & NFPA 72 NATIONAL FIRE ALARM CODE. FOR FIRE ALARM SYSTEM SEE ELECTRICAL.
- ALL DOORS TO HANDICAP AREAS SHALL HAVE A MINIMUM CLEAR OPENING OF 32".
- ALL DOORS & DOOR OPENINGS SHALL COMPLY W/ANSI-1998 404.
- ALL SINKS SHALL COMPLY WITH ICC/ANSI 1998 SECT. 606.3.
- ALL DRINKING FOUNTAINS SHALL COMPLY WITH NMBC SECT 1105.4.1 AND ICC/ANSI 1998 SECT 602.4305.
- ALL STORAGE AREAS, SHELVING, CABINETS ETC. MUST COMPLY WITH NMBC SECT. 1105.4.3 AND ICC/ANSI 1998 SECT 905.
- PROVIDE A COMPLETE FIRE ALARM SYSTEM WITH AUDIBLE AND VISIBLE ALARMS LOCATED IN ALL ACCESSIBLE COMMON-USE AREAS INCLUDING RESTROOMS PER NMBC SECT. 1105.4.6. & 1997 UBC 305.9.
- ALL SIGNAGE MUST COMPLY WITH NMBC 1103.4.2.
- ALL WINDOW & DOOR GLAZING SHALL COMPLY W/1997 2406.
- PROVIDE METAL LADDER ROOF ACCESS. ATTACH SECURELY TO BUILDING. BOTTOM OF LADDER 6' ABOVE CONC. WALK.

DOOR SCHEDULE

- 3068SC - 12" HIGH METAL PLATE ON BOTTOM OF PUSH SIDE TEMPERED GLASS IN TOP HALF OF DOOR
- 3068SC - 12" HIGH METAL PLATE ON BOTTOM OF PUSH SIDE W/SELF CLOSER
- 3068 HOLLOW METAL W/PANIC HARDWARE & SELF CLOSER
- 3068ALUM/GL. WITH PANIC BAR HARDWARE & SELF CLOSER.
- 3068SC W/SELF CLOSER
- 3068SC 12" HIGH METAL PLATE ON BOTTOM OF PUSH SIDE

LEGEND

- GAS STUB OUT
- HOSE BIBBS
- FOR FIRE ALARM SYSTEM SEE ELECTRICAL
- NFPA 10 PORTABLE FIRE EXTINGUISHER-5 POUND, ABC DRY CHEMICAL
- EXIT EXIT SIGNS-6" HIGH LETTERS HARD WIRED W/BATTERY BACK-UP
- EMERGENCY LIGHTS- BATTERY OPERATED
- AUTOMATIC SMOKE DETECTOR- SEE ELECTRICAL

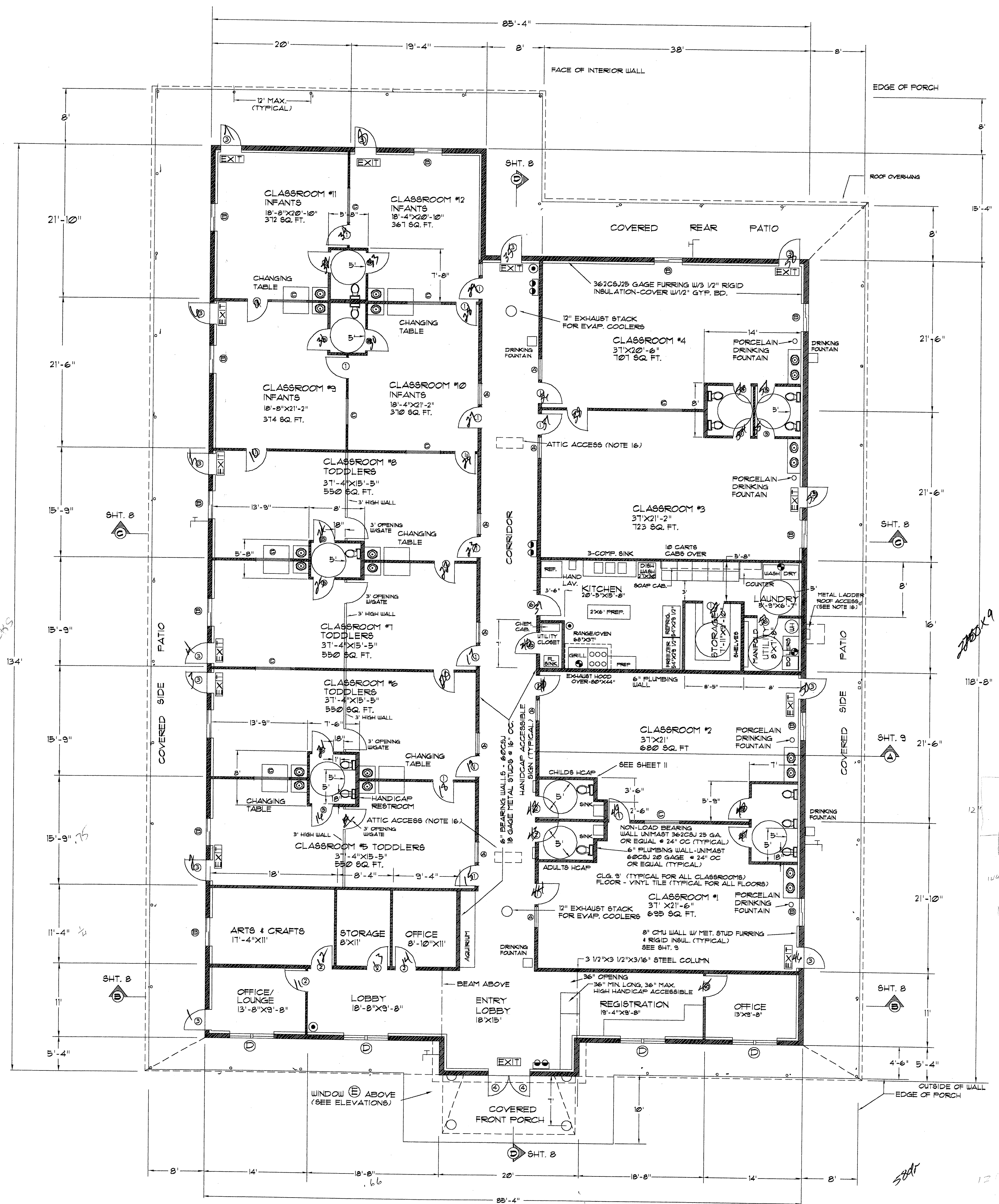
WINDOW SCHEDULE

- 3068FIX
- 4030HS
- 5020FIX-BOTT GILL 43" AFF.
- 2-3050SH
- 8060 FIXED-SEE ELEVATIONS

EXIT DATA

OCCUPANCY LOAD	279
EXITS REQUIRED	2
EXITS SUPPLIED	14
MAXIMUM DISTANCE TO EXIT	59'
THRESHOLDS MAX. 1/2" HIGH	
ALL DOORS SHALL COMPLY WITH ICC/ANSI A117.1 - 1998 404	

HEATED AREA 10,310 SQ. FT.
COVERED PORCHES 3411 SQ. FT.



FLOOR PLAN

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

4-HILLS DESIGNERS
1605 SOPLO RD. SE
ALBUQUERQUE, NM 87123
(505) 294-1236

FLOOR PLAN

88WSFL

lee l. robinson
architect

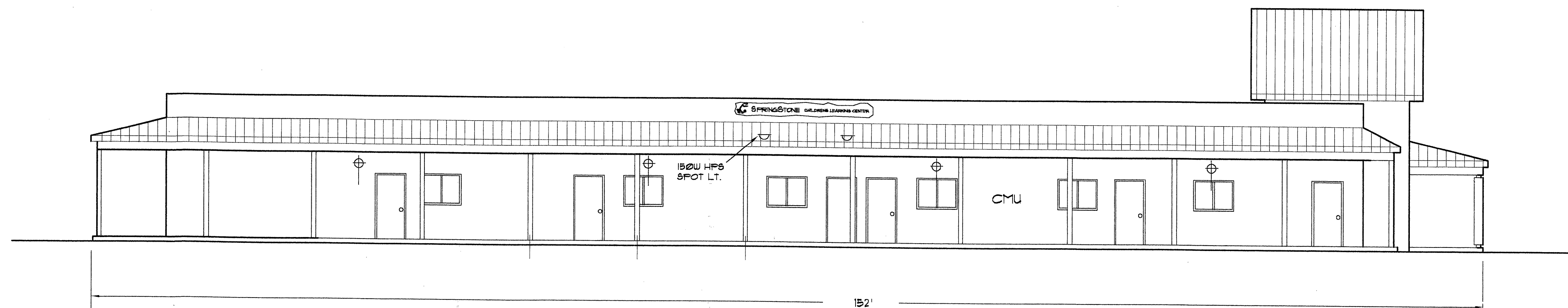
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SPRINGSTONE - GRANDE
CHILDREN'S LEARNING CENTER

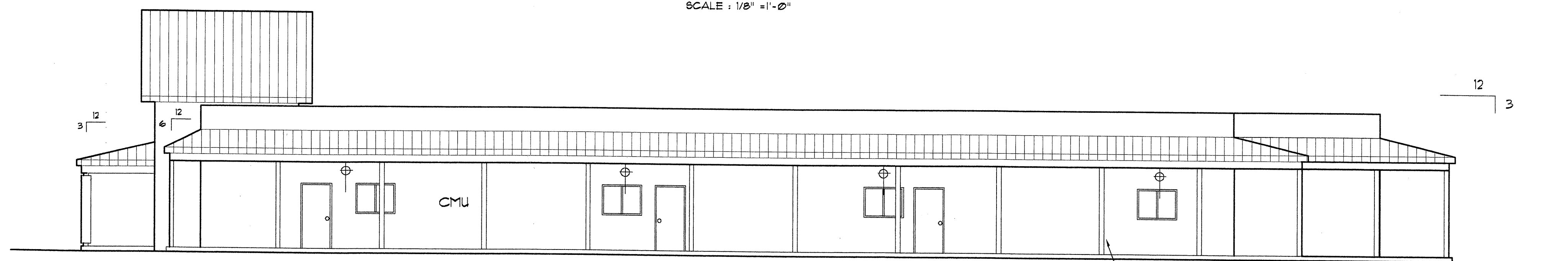
4-HILLS
DESIGNERS

13



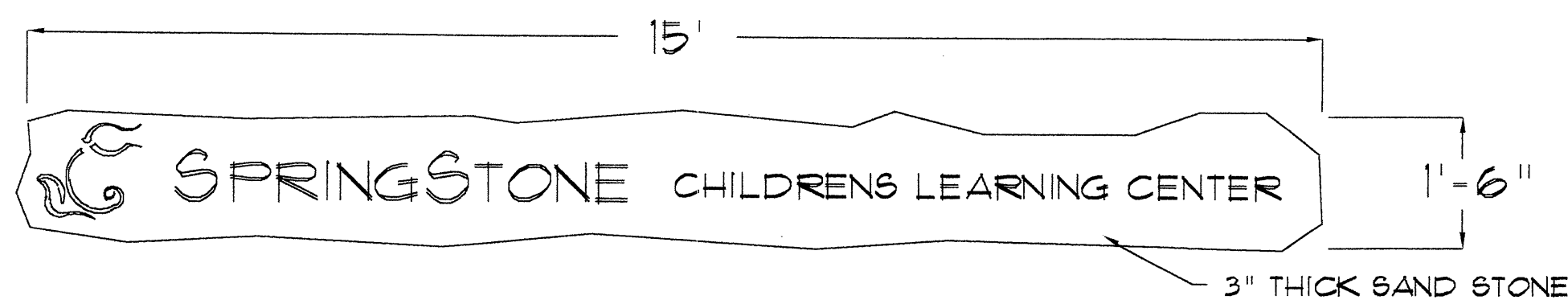
LEFT SIDE ELEVATION

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

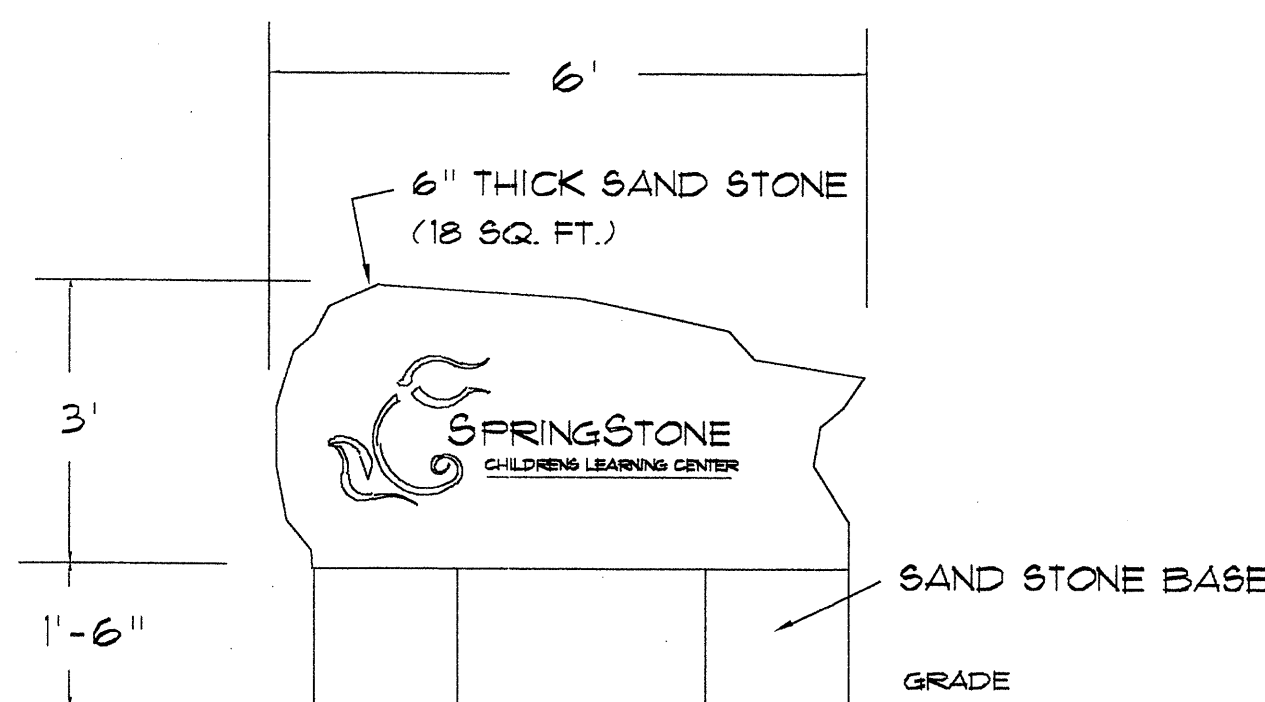


RIGHT SIDE ELEVATION

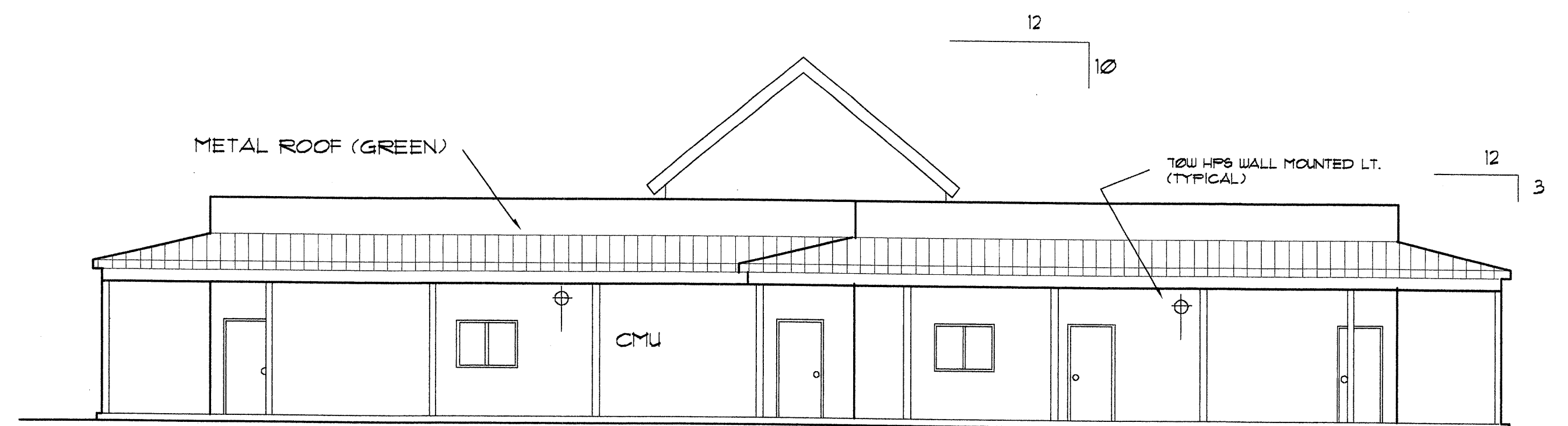
SCALE: 1/8" = 1'-0"



SIGNS ON BUILDING

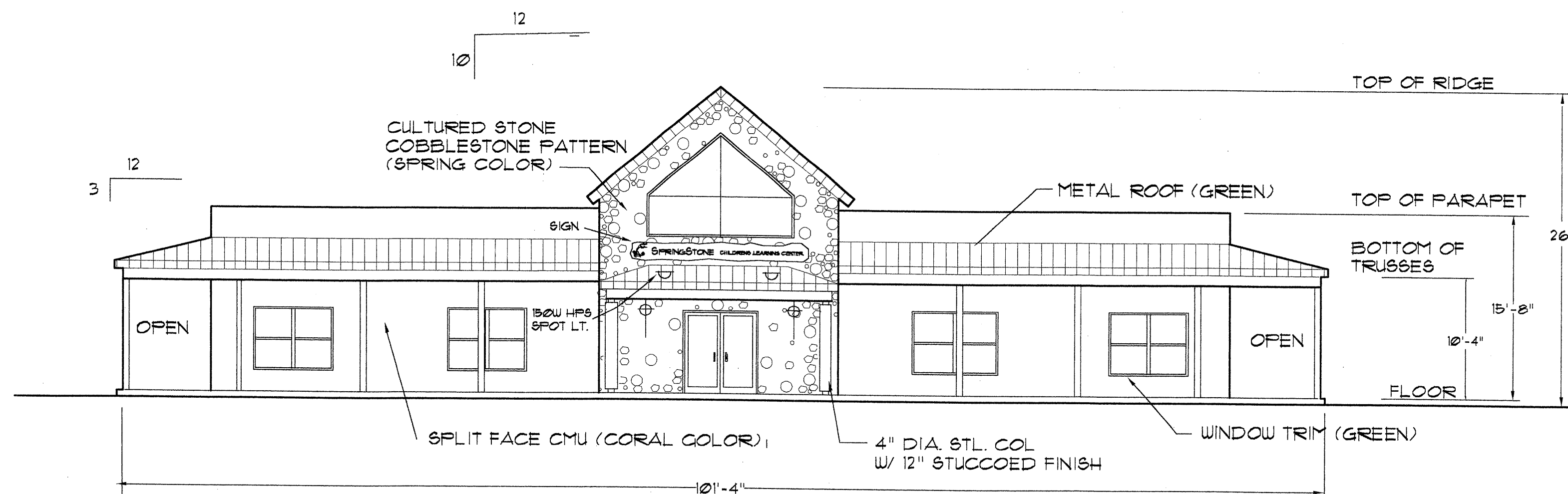


SIGN AT STREET ENTRY



REAR ELEVATION

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



FRONT ELEVATION

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

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ELEVATIONS
SSUSELEV.dwg

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GENERAL CONCRETE & MASONRY NOTES

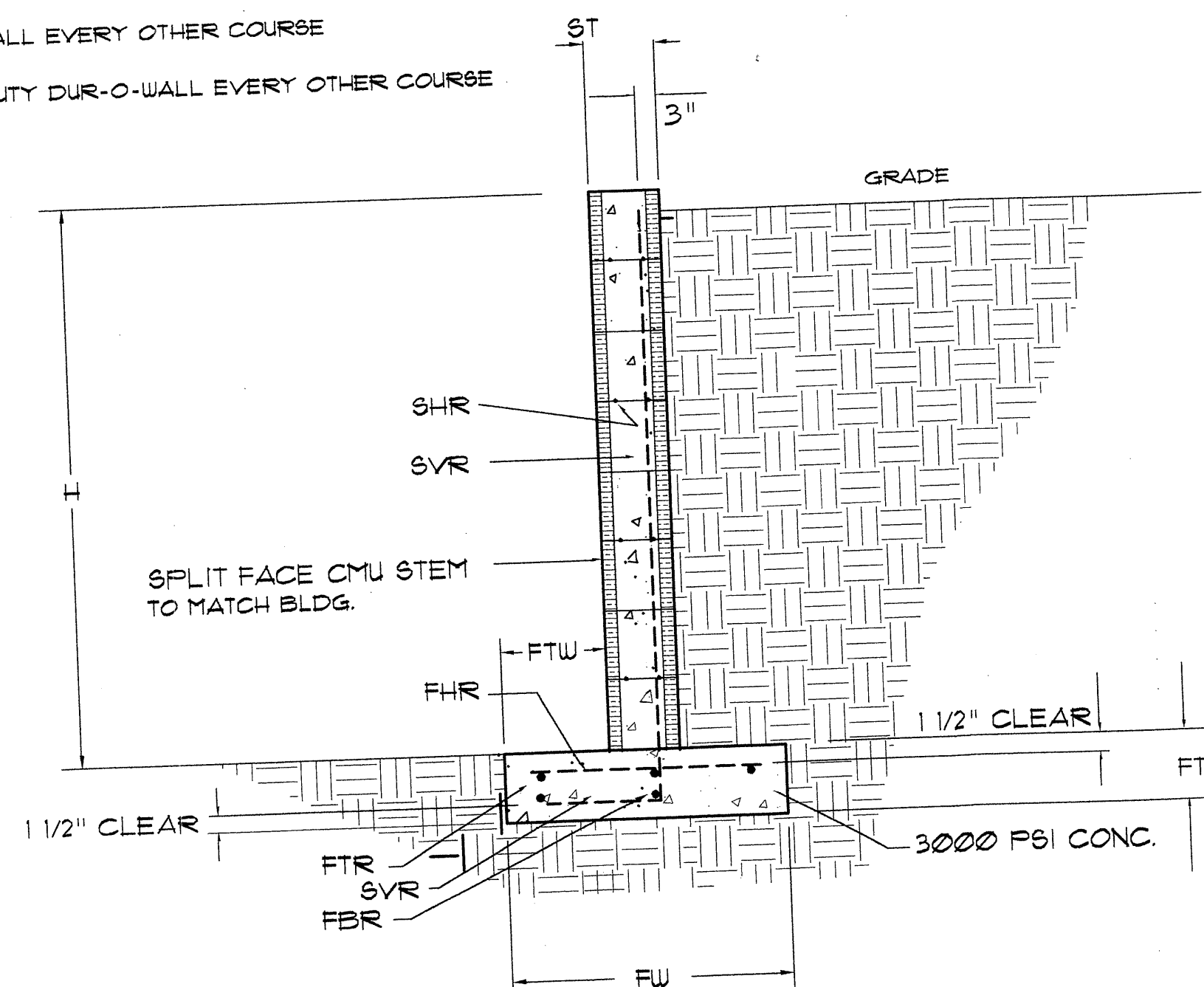
- EXCAVATIONS AND FOUNDATIONS SHALL CONFORM TO 1991 UBC.
- ALL CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- ALL WELDED MESH FOR CONCRETE SLABS SHALL BE 6X6-10X10.
- ALL CONCRETE SHALL BE CONSOLIDATED AT TIME OF POURING BY PUDDLING OR VIBRATING.
- SLUMP OF CONCRETE SHALL CONFORM TO CURRENT ACI MANUAL.
- CONCRETE FORMS, MIXING, PLACING & CURING SHALL CONFORM TO THE CURRENT ACI MANUAL OF CONCRETE PRACTICE & SPECS.
- ALL REINFORCING SHALL BE GRADE 40 OR HIGHER.
- LAP ALL REBAR A MINIMUM 36 DIAMETERS.
- PROVIDE 24"X24" REBAR AT ALL CORNERS & INTERSECTIONS OF ALL WALLS EQUAL IN SIZE & NUMBER TO HORIZONTAL REINFORCING.
- BEAR ALL FOOTINGS 12" INTO UNDISTURBED NATURAL EARTH OR FILL COMPACTED TO 95% NATURAL DENSITY. FILL DIRT UNDER SLABS SHALL BE COMPACTED IN 6" LIFTS TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. MINIMUM BEARING STRENGTH FOR ALL EARTH SHALL BE 1500 PSI.

ITEM	8'	6'	4'	2'
STEM THICKNESS (ST)	8"	8"	8"	8"
VERTICAL REBAR (SVR)	#5@16"	#4@16"	#4@24"	#4@32"
HORIZONTAL REBAR (SHR)	#2#3@16"	#2#3@16"	#2#3@16"	#2#3@16"
FOOTING WIDTH (FW)	4'	3'-4"	2'-8"	2'
FOOTING TOE WIDTH (FTW)	12"	10"	8"	6"
FOOTING THICKNESS (FT)	10"	8"	8"	8"
FOOTING CONT. REBAR-TOP (FTR)	4 #4	3 #4	2 #4	1 #4
FOOTING CONT. REBAR-BOTT (FBR)	3 #4	2 #4	2 #4	2 #4
FOOTING HORIZONTAL REBAR (FHR)	#4@12"	#4@16"	#4@24"	#4@32"
NOTES	1	1	1	1

1. FILL ALL CELLS WITH CONCRETE

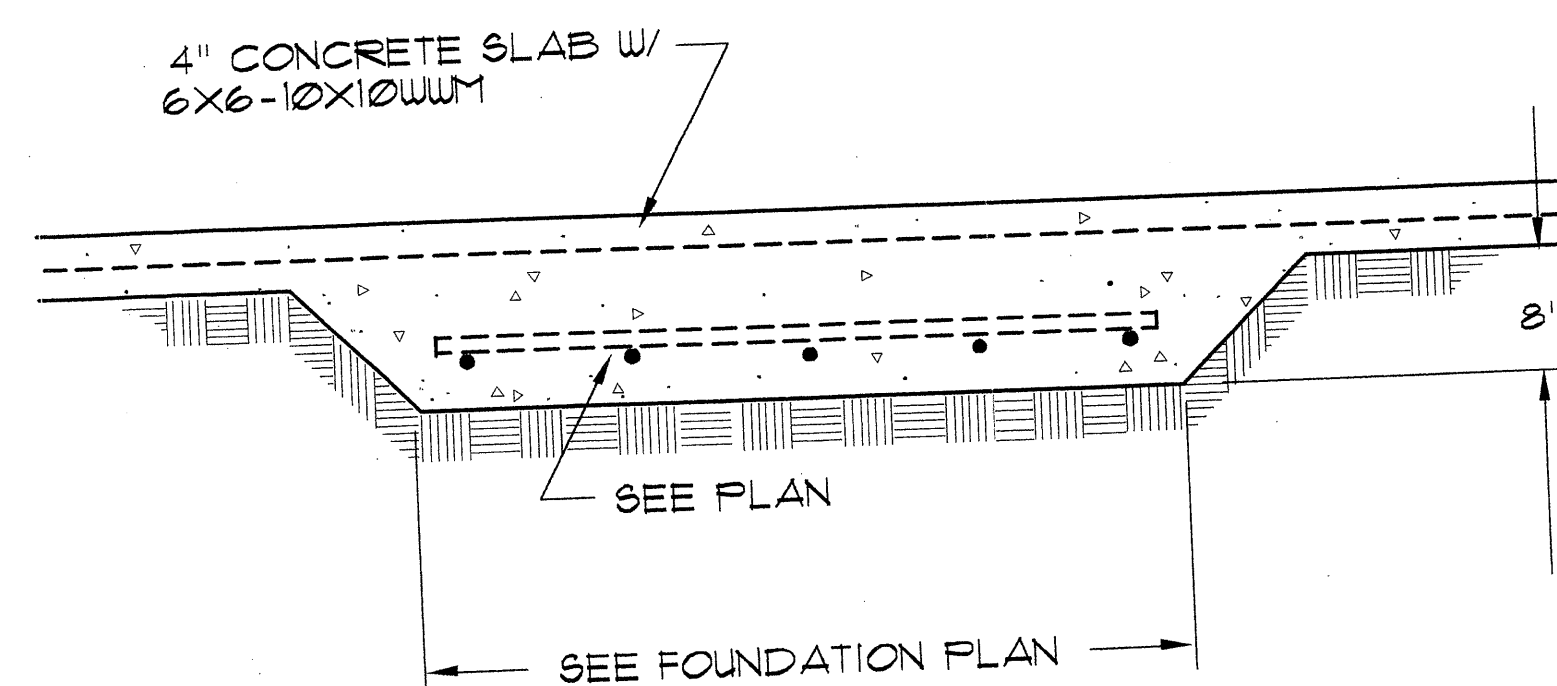
* OR DUR-O-WALL EVERY OTHER COURSE

** OR HEAVY DUTY DUR-O-WALL EVERY OTHER COURSE



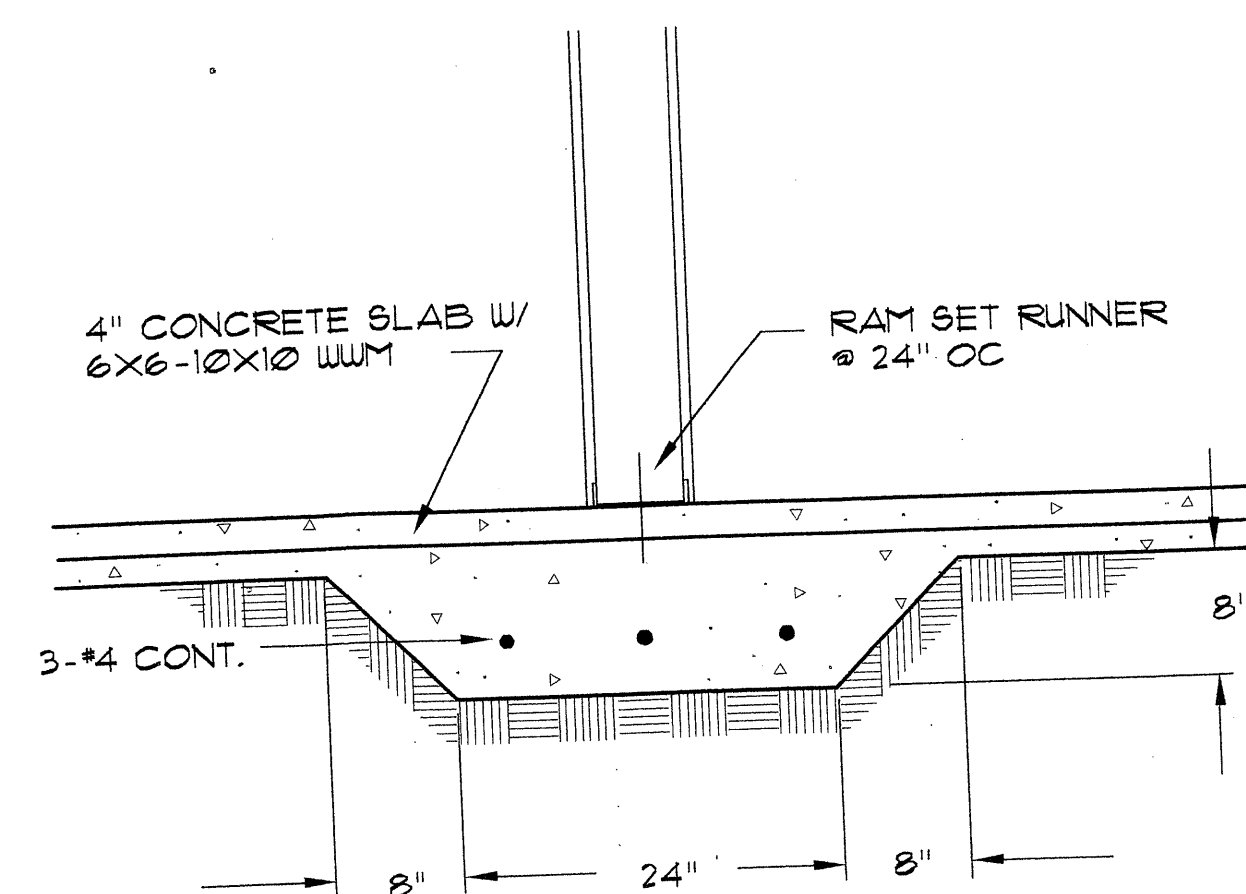
CMU RETAINING WALLS

(SEE SITE PLAN & GRADING PLAN)



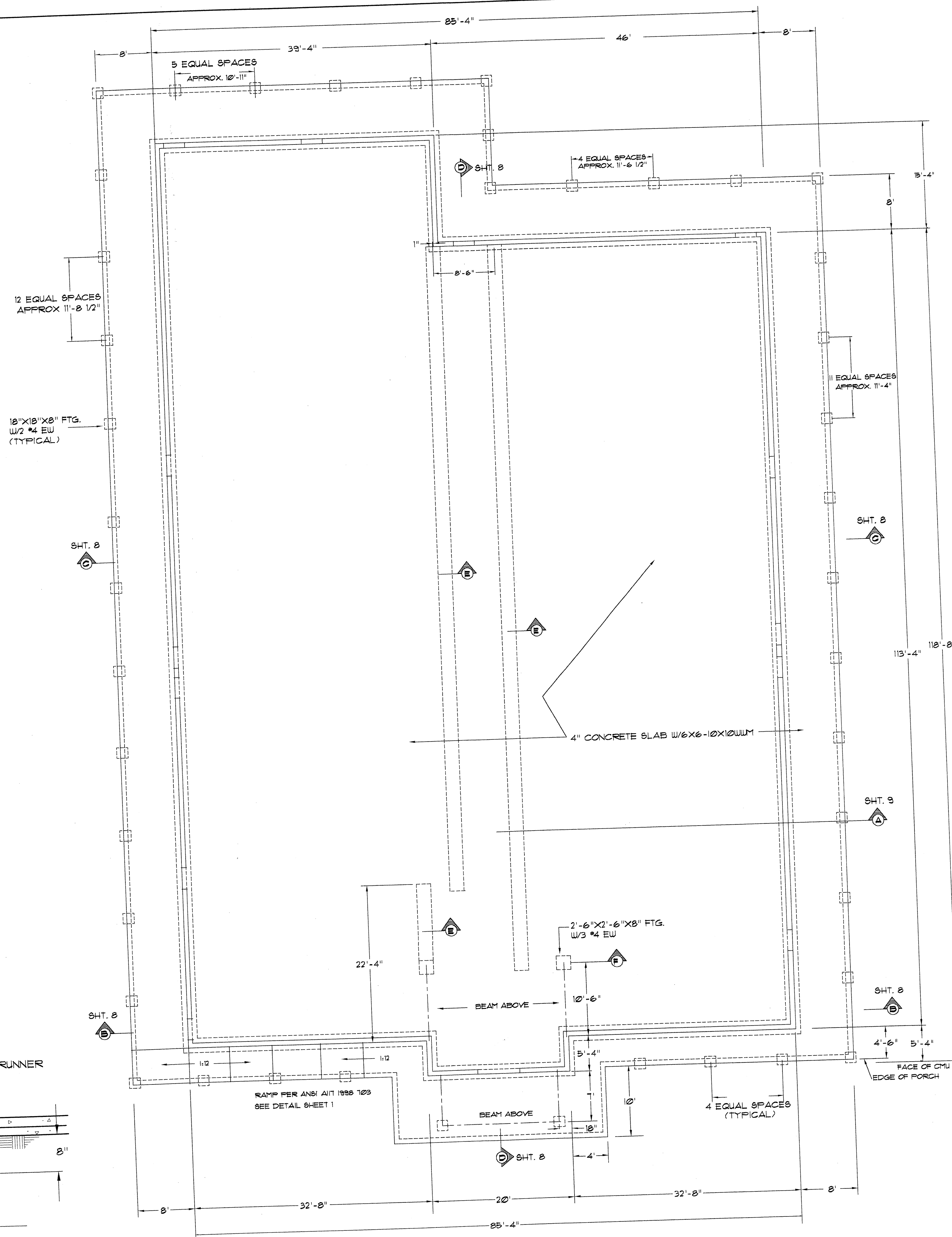
SECTION F - SPOT FOOTING

SCALE: NTS



SECTION E - THICKENED SLAB

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



FOUNDATION PLAN

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

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FOUNDATION

SSWSFOUND

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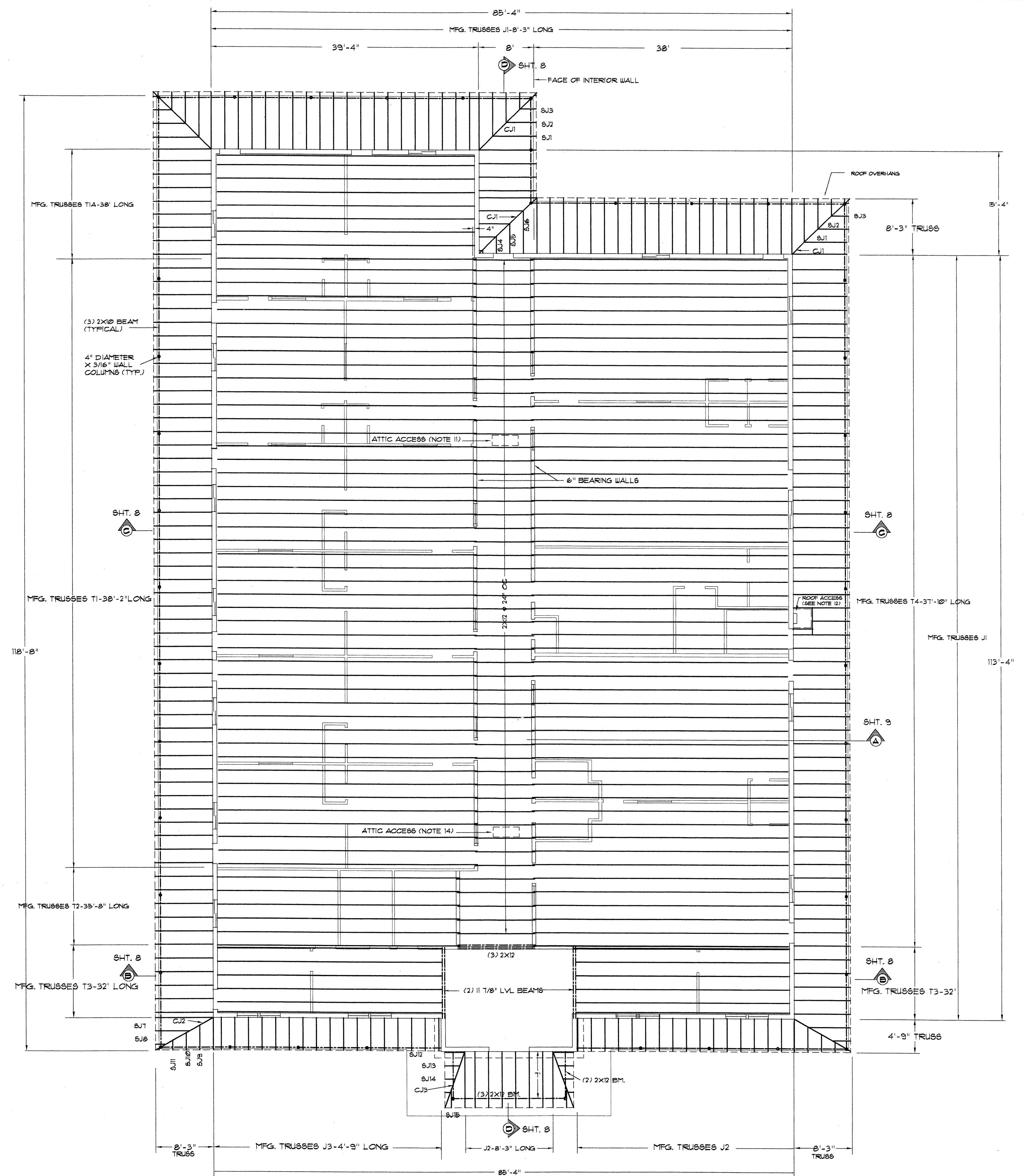
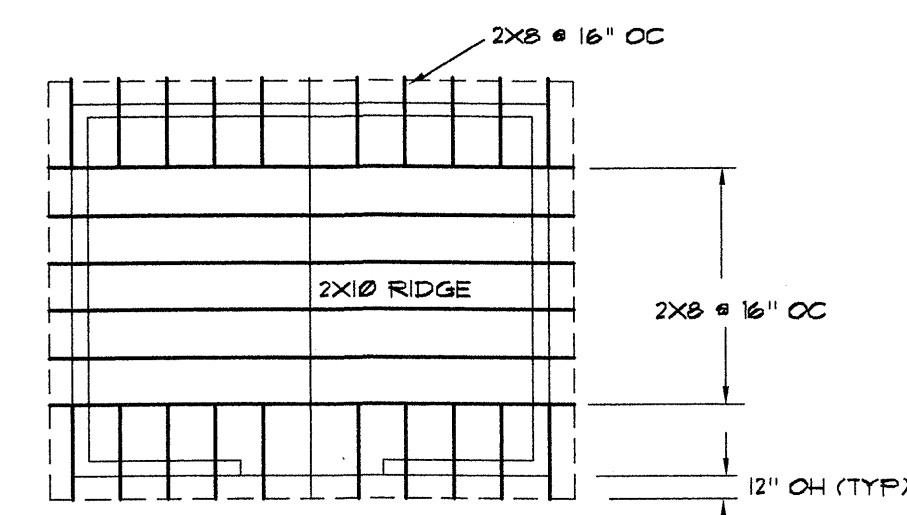
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1. ALL EXTERIOR WALLS SHALL BE 8" CMU (SEE SHT. 9.)
INTERIOR NON-BEARING WALLS SHALL BE
UNIMAST 362CSJ 25 GAGE METAL OR EQUAL @ 24" OC.
INTERIOR BEARING WALLS SHALL BE UNIMAST 600CSJ
18 GAGE METAL OR EQUAL @ 16" OC. (SEE SHEET 9.)
PLUMBING WALLS SHALL BE UNIMAST 600CSJ 20 GAGE
OR EQUAL @ 24" OC.
2. ALL BEARING HEADERS SHALL BE TWO UNIMAST
1000CSJ 14 GAGE OR EQUAL WELDED TOGETHER
PER MANUFACTURERS SPECS.
3. RAM SET INTERIOR LOAD BEARING WALL
& SHEAR WALL RUNNERS @ 24" OC.
4. EXTERIOR HEADERS SHALL BE CMU FILLED W/ 2"
& CONCRETE.
5. PROVIDE LATERAL BRACING FOR METAL STUDS
PER MANUFACTURERS SPECS.
6. PLYWOOD CLIPS @ 24" OC ARE REQUIRED ON
ALL PLYWOOD OR WAFFERBOARD DECKING.
7. USE JOIST HANGER NAILS AT ALL JOIST
HANGERS.
8. PROVIDE LATERAL BRACING BETWEEN
ALL TRUSSES PER MFG. SPECS.
9. INSTALL JOISTS & TRUSSES PER MANUFACTURERS
SPECIFICATIONS.
LAMINATED BEAMS SHALL BE FASTENED TOGETHER
PER MANUFACTURERS SPECIFICATIONS.
USE CORRECT HANGERS AT JOISTS, TRUSSES & BEAMS.
10. THE ROOF SPACE SHALL COMPLY WITH 1991 UBC T003
11. ATTIC ACCESS SHALL COMPLY WITH 1991 UBC I003.
ACCESS SHALL BE 22"X30" MIN. W/36" MIN. HEAD ROOM.
12. PROVIDE METAL LADDER ROOF ACCESS. ATTACH SECURELY
TO BUILDING. BOTTOM OF LADDER 6" ABOVE CONC. WALK



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

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FRAMING
SSPROOF4

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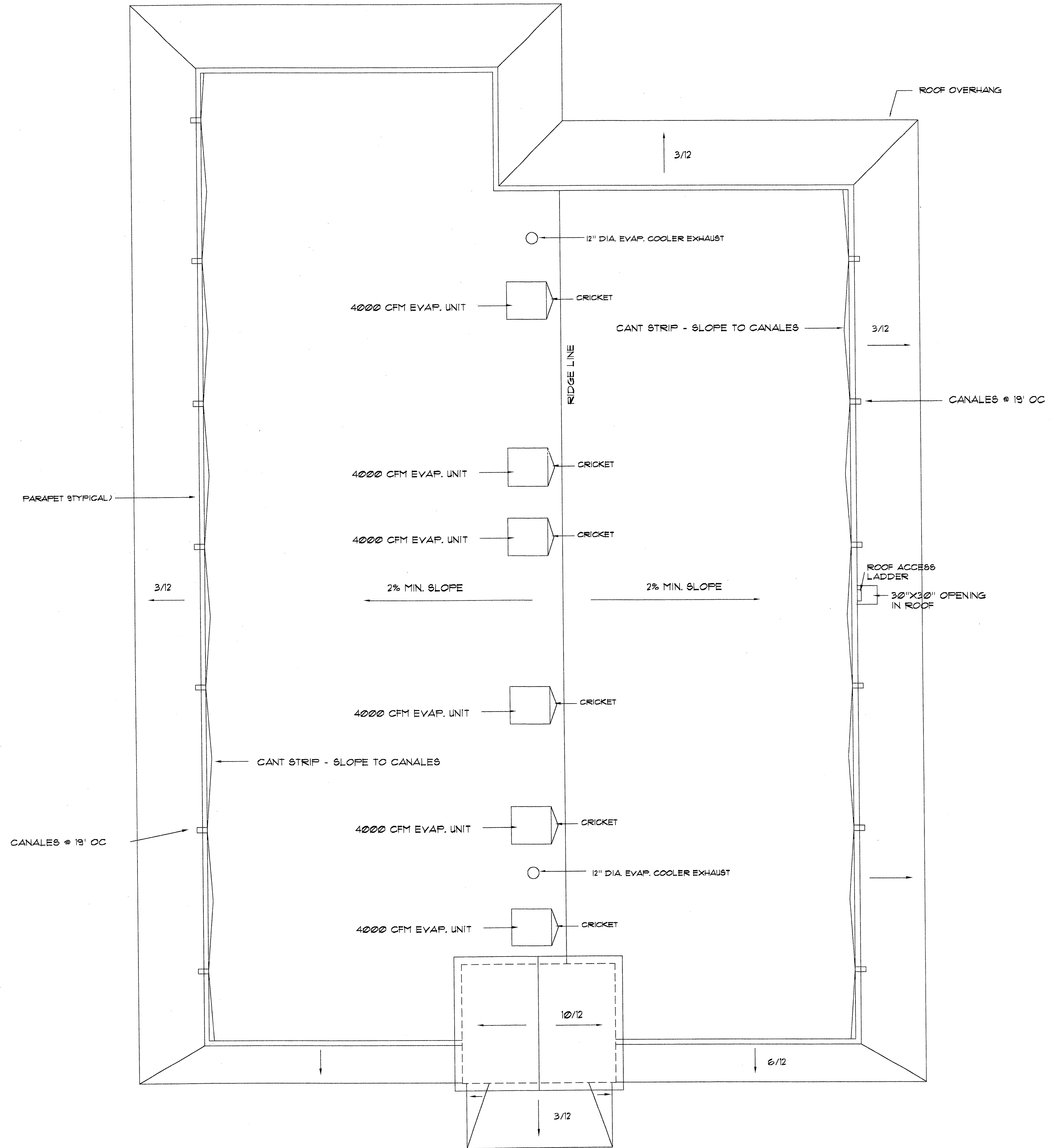


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3	B7
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ROOF DRAINAGE PLAN

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

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ROOF DRAINAGE

SSWBROOFRAIN4

11

13

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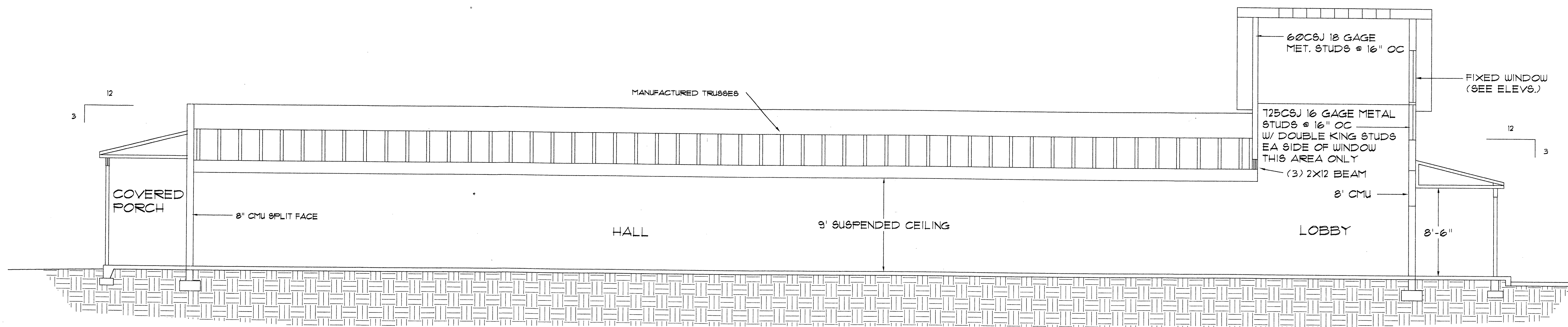
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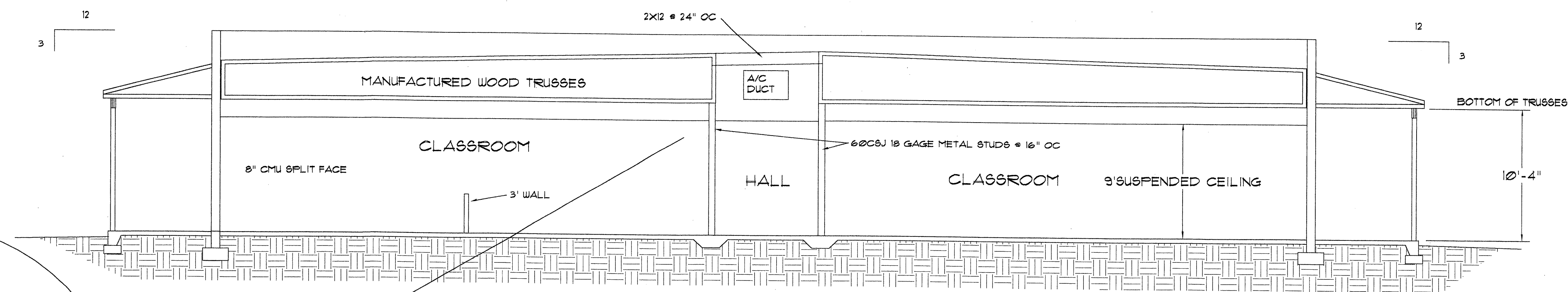
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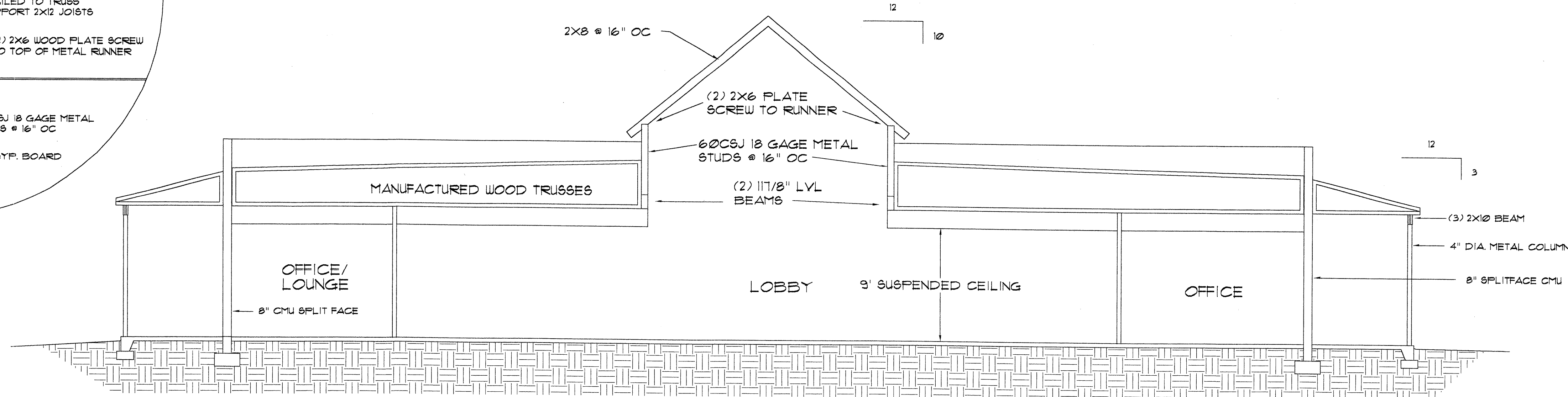
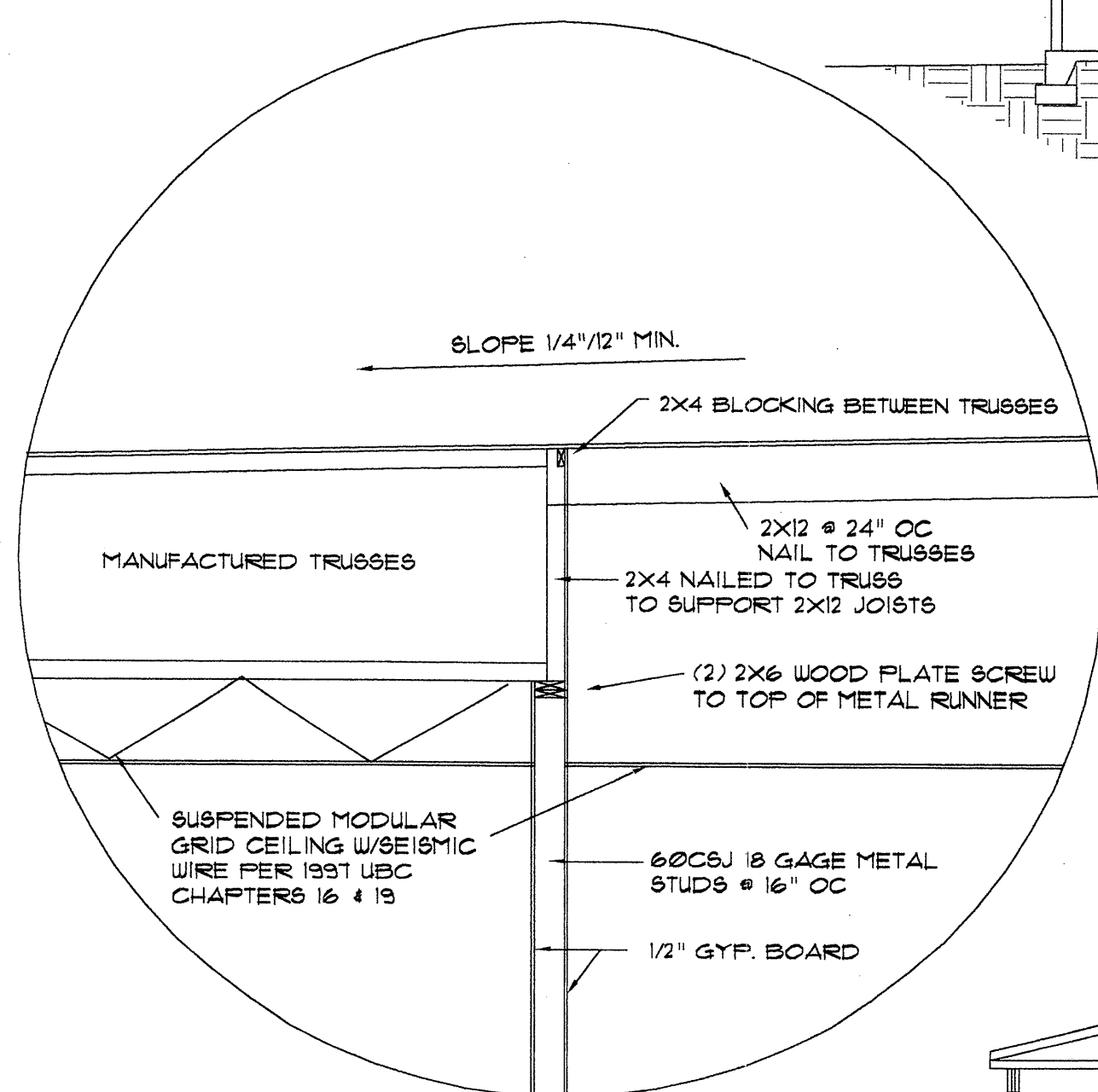
SECTION - D-D

SCALE : 3/16" = 1'-0"



SECTION - C-C

SCALE : 3/16" = 1'-0"



SECTION - B-B

SCALE : 3/16" = 1'-0"

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SECTIONS
SWSSECS

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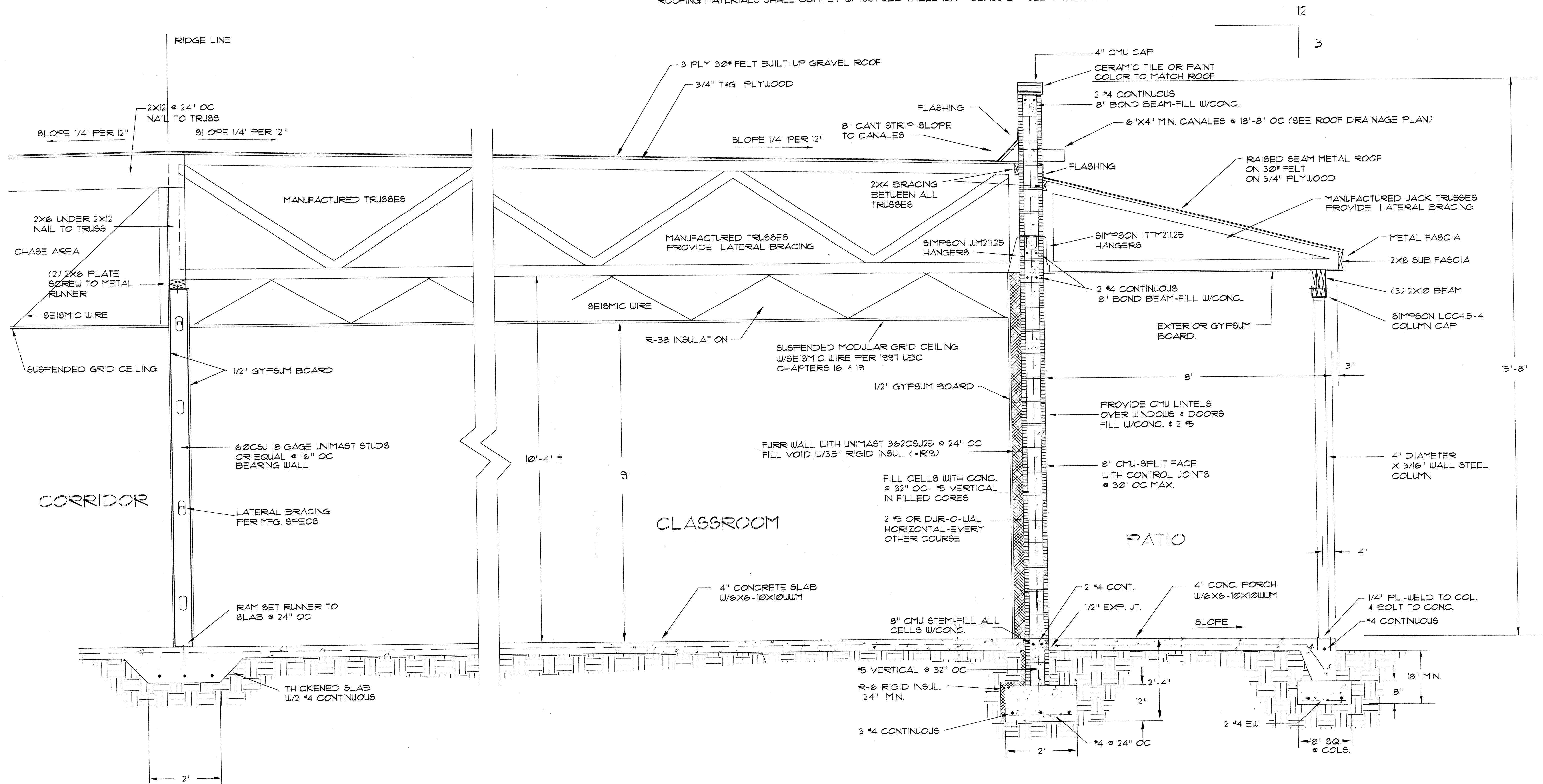
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ROOFING MATERIALS SHALL COMPLY W/ 1997 UBC TABLE 15A - CLASS B - SEE TABLES 15-E & 15-G.



TYPICAL WALL SECTION A-A

SCALE : 3/4" = 1'-0"

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WALL SECTION

88WALL-267

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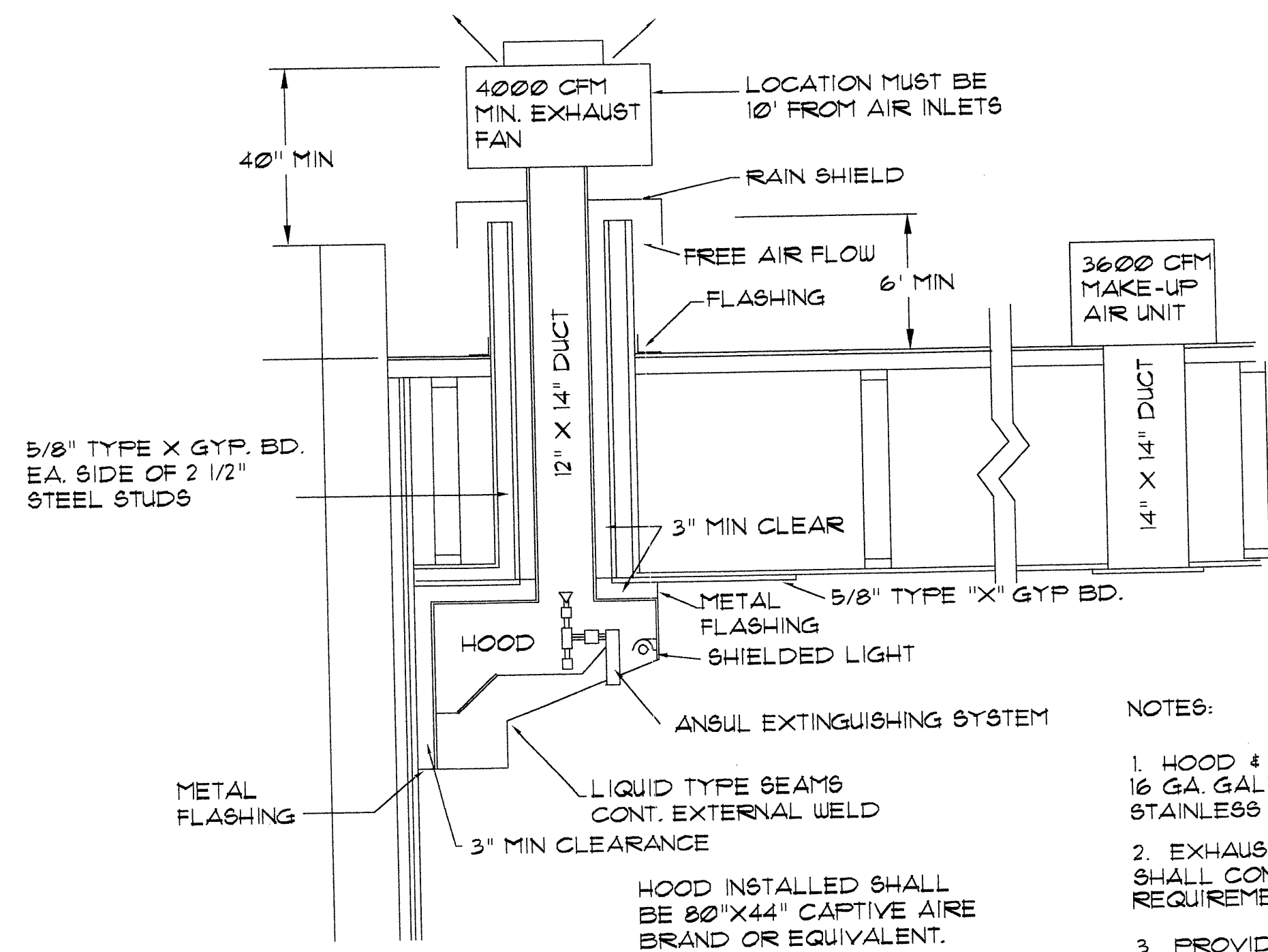
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B7

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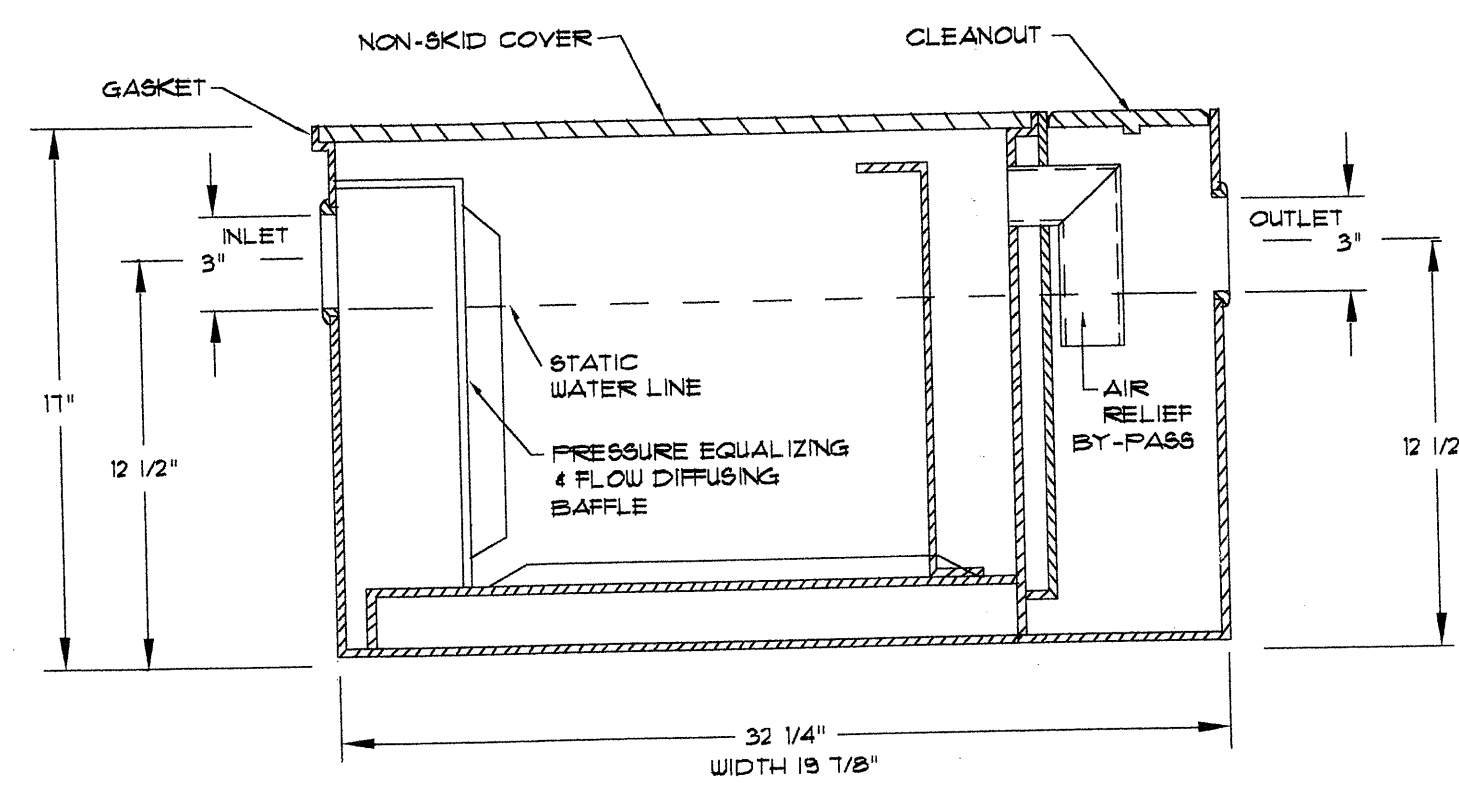


EXHAUST HOOD DETAILS

SCALE: NTS

NOTES:

1. HOOD & DUCT MATERIAL SHALL BE 16 GA. GALVANIZED OR 18 GA. STAINLESS STEEL
2. EXHAUST HOOD & INSTALLATION SHALL CONFORM TO NFPA #36 REQUIREMENTS.
3. PROVIDE INTERLOCK BETWEEN HOOD & MAKE-UP AIR UNIT.
4. ANSUL EXTINGUISHING SYSTEM MUST AUTOMATICALLY SHUT OFF POWER & FUEL TO ALL APPLIANCES PER NFPA 12, 11, OR 36.



SIZE 600
FLOW RATE 25 GPM
CAPACITY 21 GAL - 50"

ZURN Z-1170 GREASE INTERCEPTOR

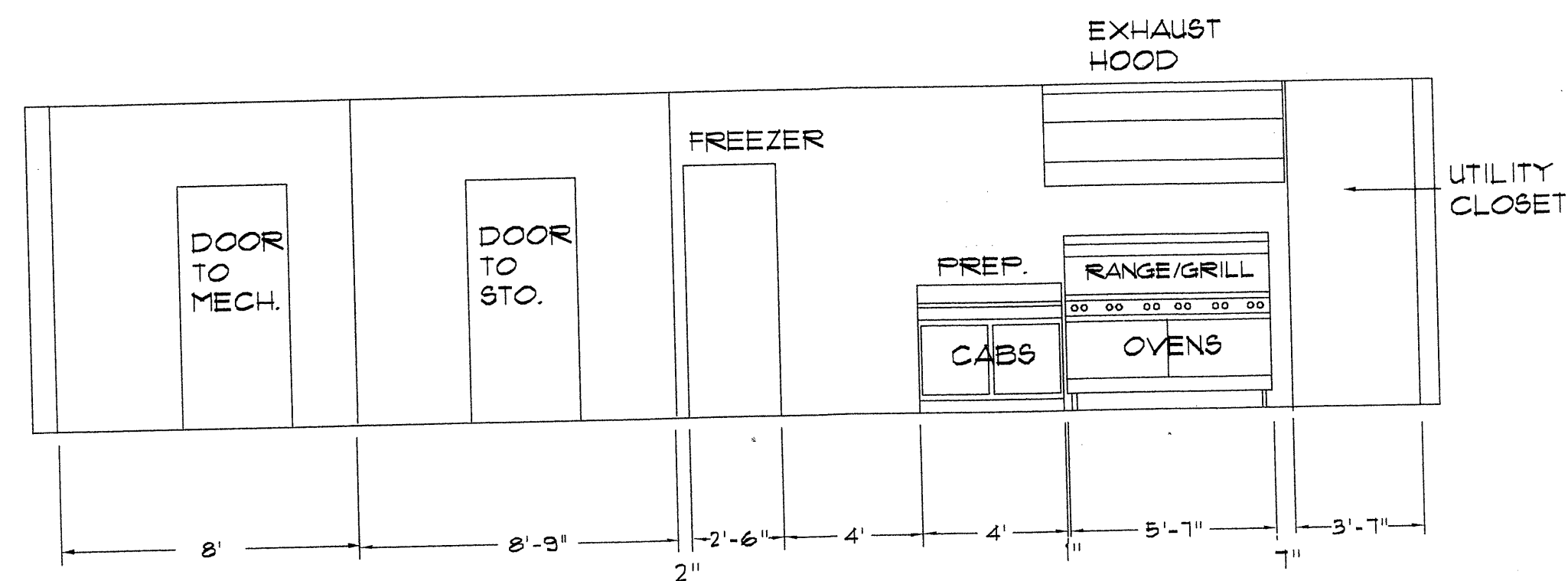
SCALE: NTS

EQUIPMENT SCHEDULE

- 1 - REFRIGERATOR-GE MODEL TFX24RF-36"WX29"Dx67"H.
- 2 - PREPARATION TABLES-STAINLESS STEEL TOP & 6" BACK SPLASH-DIMS VARY.
- 3 - RANGE/GRILL/DOUBLE OVEN-WOLF-CHALLENGER SERIES-MODEL CHR-12-229 68"WX31"Dx52"H.
- 4 - SOAP CABINET-18"WX25"Dx34"H.
- 5 - HAND SINK W/SOAP & TOWELS-15"WX15"Dx34"H.
- 6 - 3 COMPARTMENT SINK-ADVANCE REGALINE W/ 2-18" DRAINBOARDS MODEL 9-3-54-18RL-91"WX27"Dx31"H.
- 7 - DISHWASHER-AUTO-CHLOR MODEL A4-27"WX30"Dx54"H - MAX. TEMP. 130°F.
- 8 - FREEZER-TRUE-MODEL T-49F-54"WX30"Dx83"H.
- 9 - REFRIGERATOR-TRUE-MODEL T-49-54"WX30"Dx83"H.
- 10 - MOP SINK-24"WX24"Dx12"H.
- 11 - 2-COMPARTMENT CHEMICAL CABINET-30"WX12"Dx84"H. W/KEY LOCK
- 12 - EXHAUST HOOD 80"X44" - SEE DETAIL.

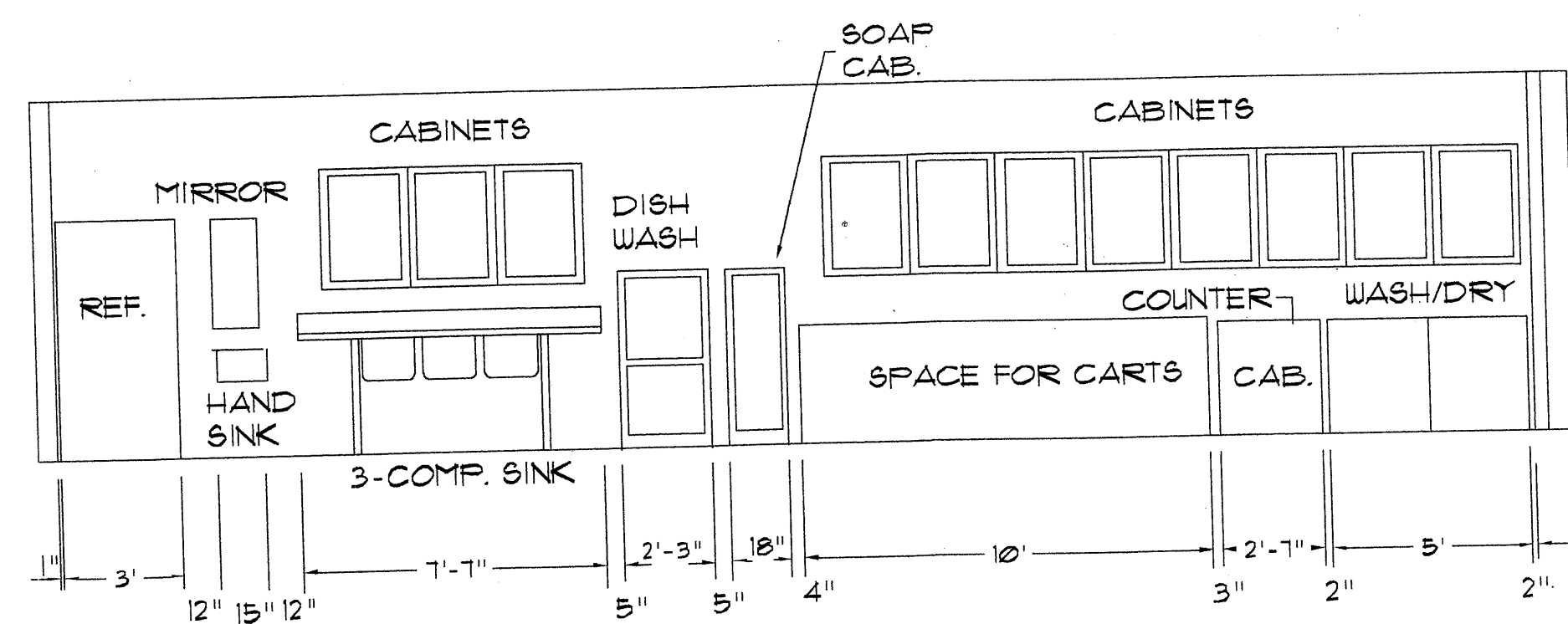
NOTES

1. DO NOT SCALE DRAWINGS.
2. KITCHEN FLOORS SHALL BE CERAMIC TILE. KITCHEN WALLS & CEILINGS SHALL BE 5/8" TYPE "X" GYPSUM BOARD PAINTED WITH A LIGHT COLOR, SMOOTH, TEXTURE, WASHABLE EPOXY PAINT.
3. ALL LIGHT FIXTURES SHALL BE SHIELDED.
4. ALL SINKS SHALL HAVE HOT & COLD WATER SUPPLY.
5. ALL EGRESS DOORS SHALL HAVE EXIT SIGNS.



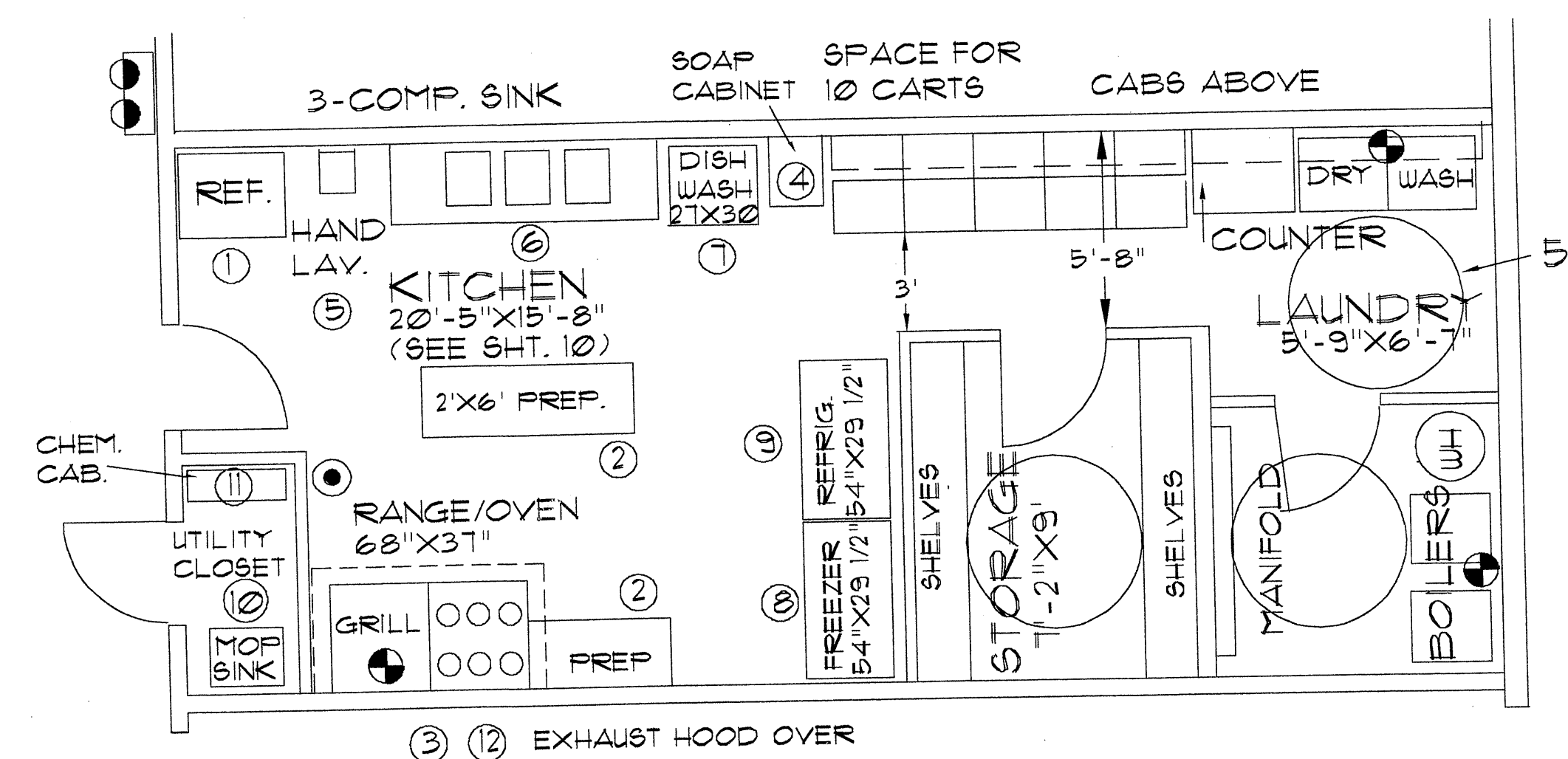
KITCHEN-SOUTH WALL

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



KITCHEN-NORTH WALL

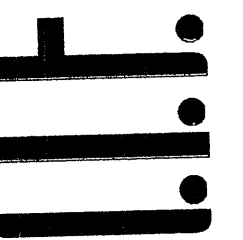
SCALE: 1/4"=1'-0"



KITCHEN PLAN

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

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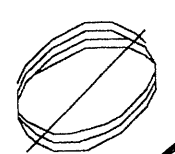
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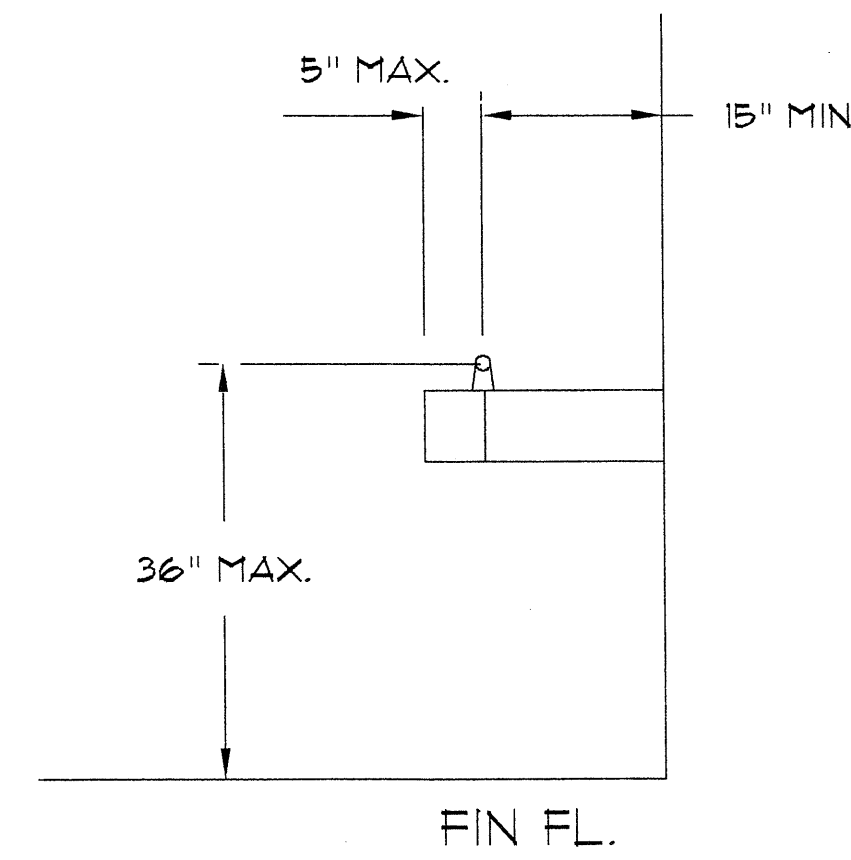
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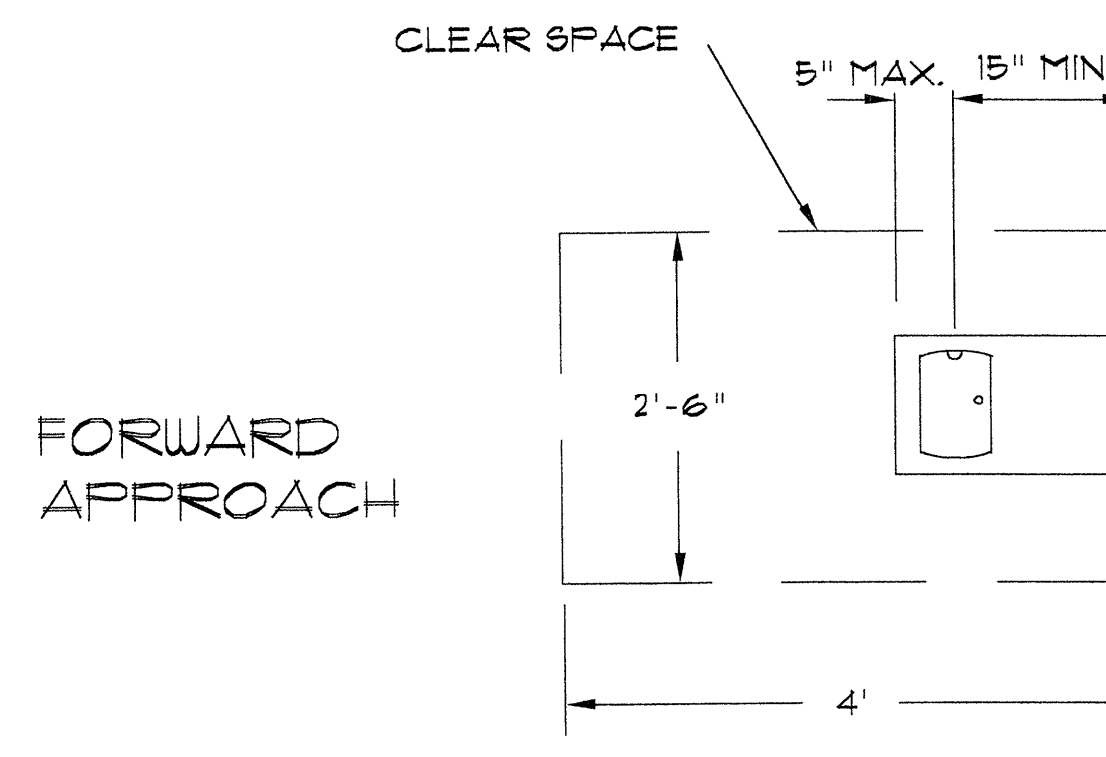
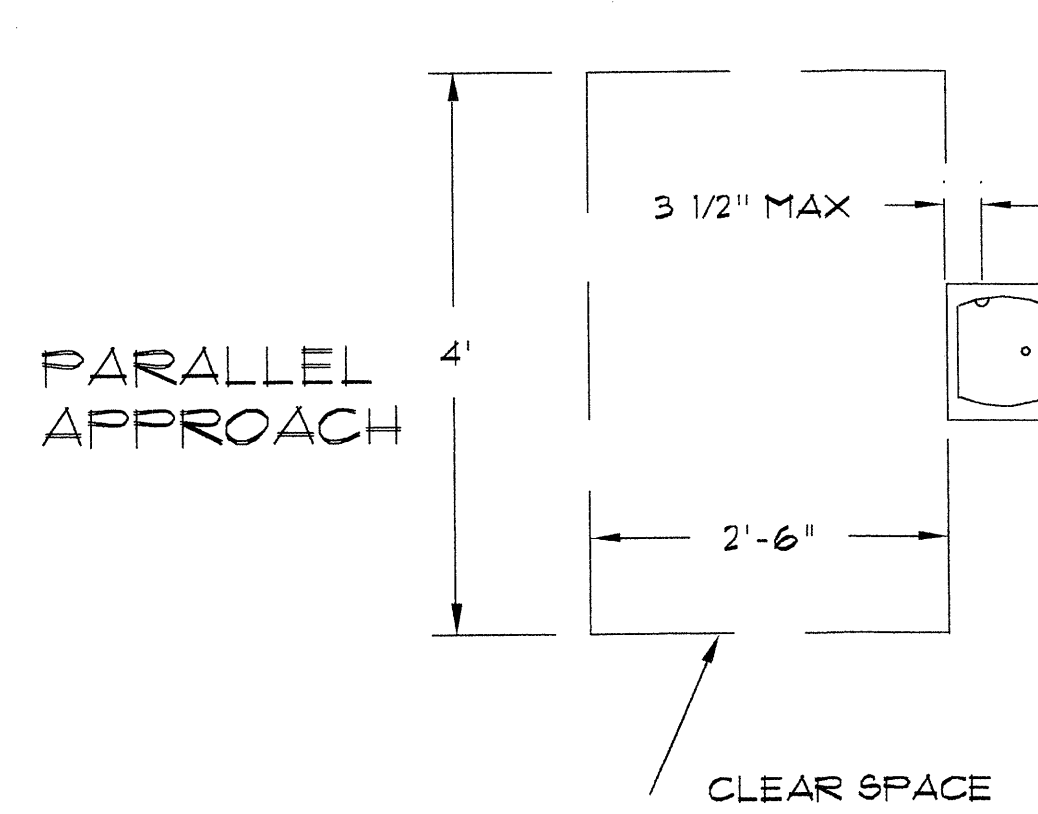
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KITCHEN
SSWSKIT

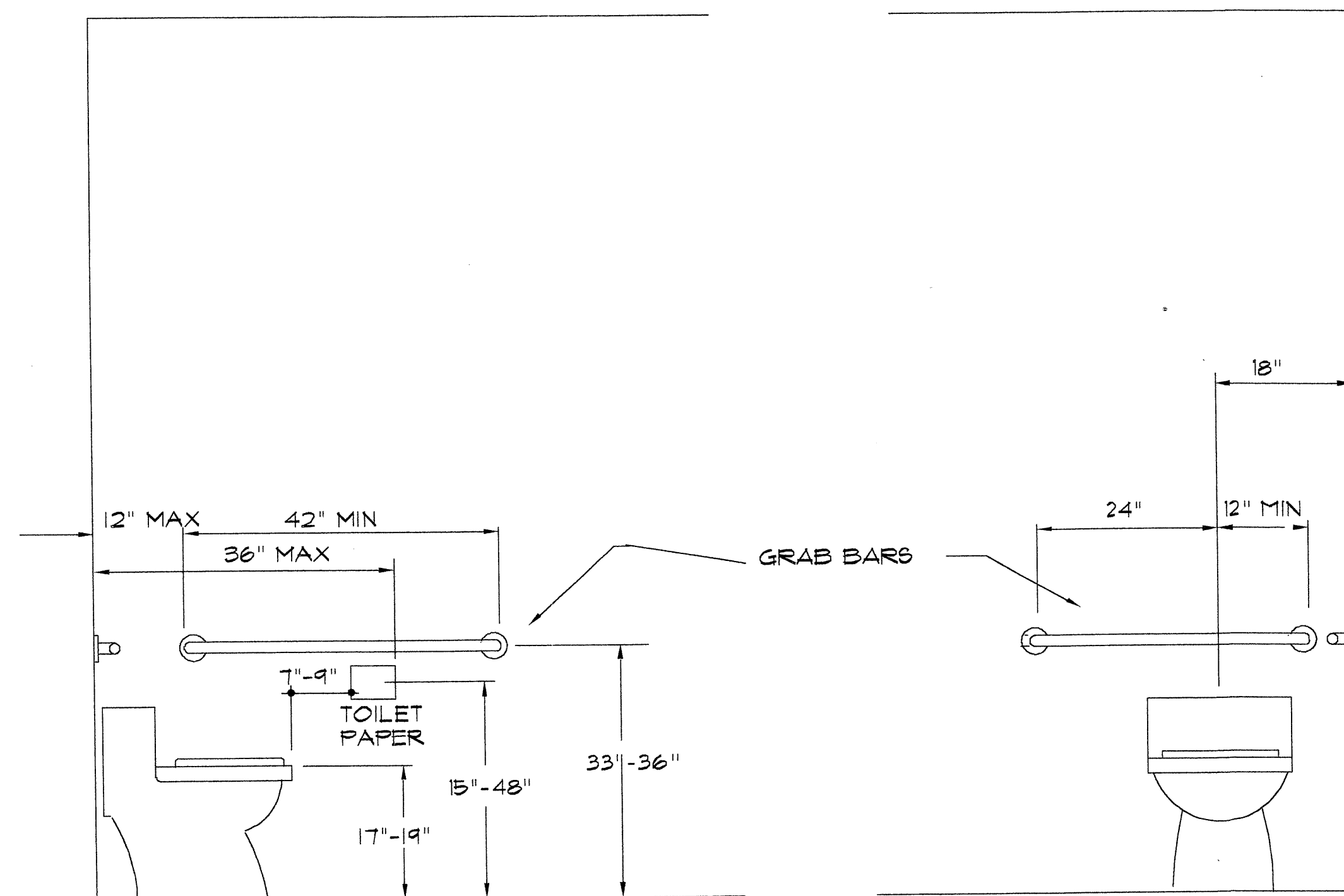


NOTE: ALL DRINKING FOUNTAINS SHALL COMPLY WITH 1998 ICC/ANSI A117.1-602



DRINKING FOUNTAIN DETAIL

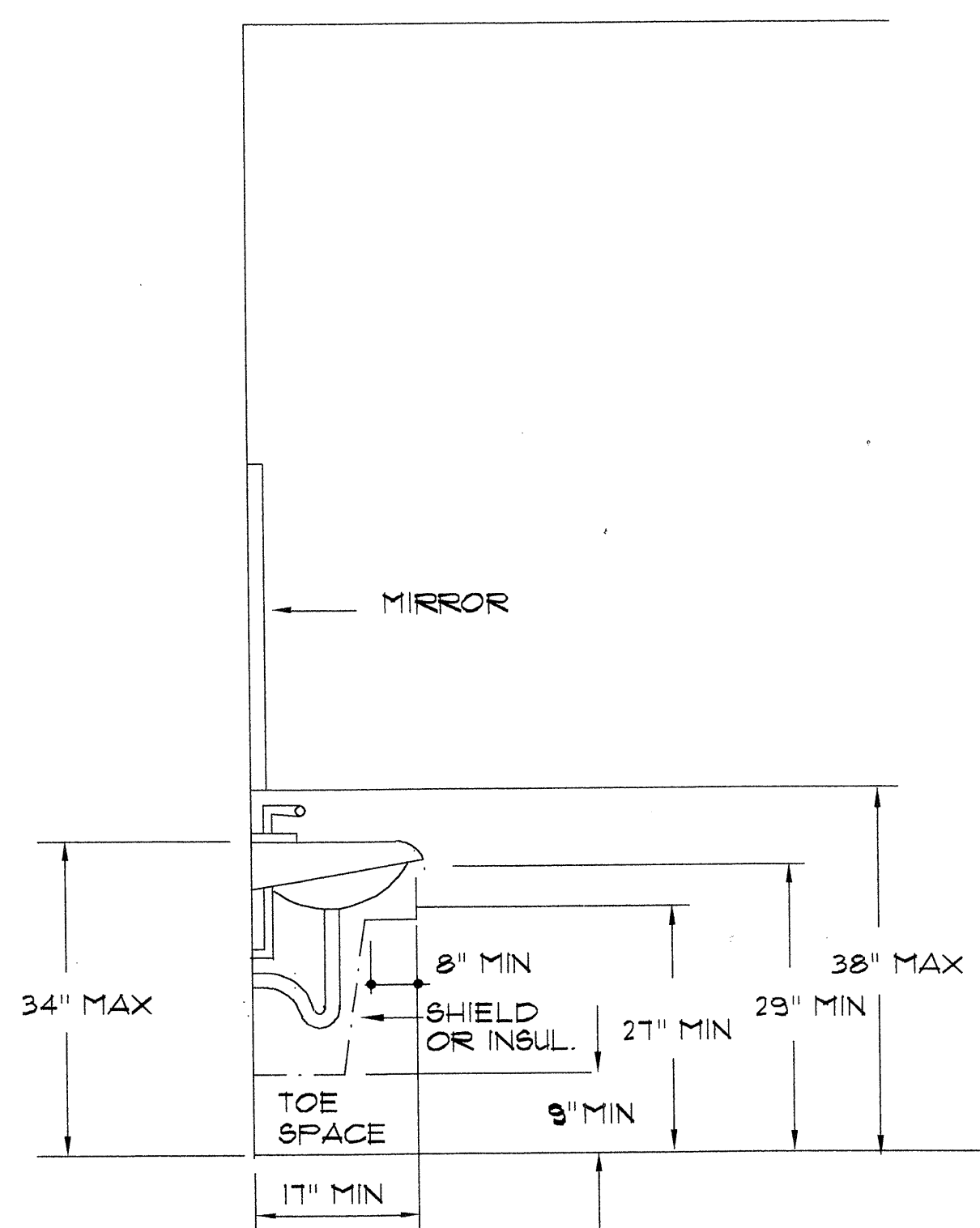
SCALE: 3/4" = 1'-0"



HANDICAP WATER CLOSET DETAILS

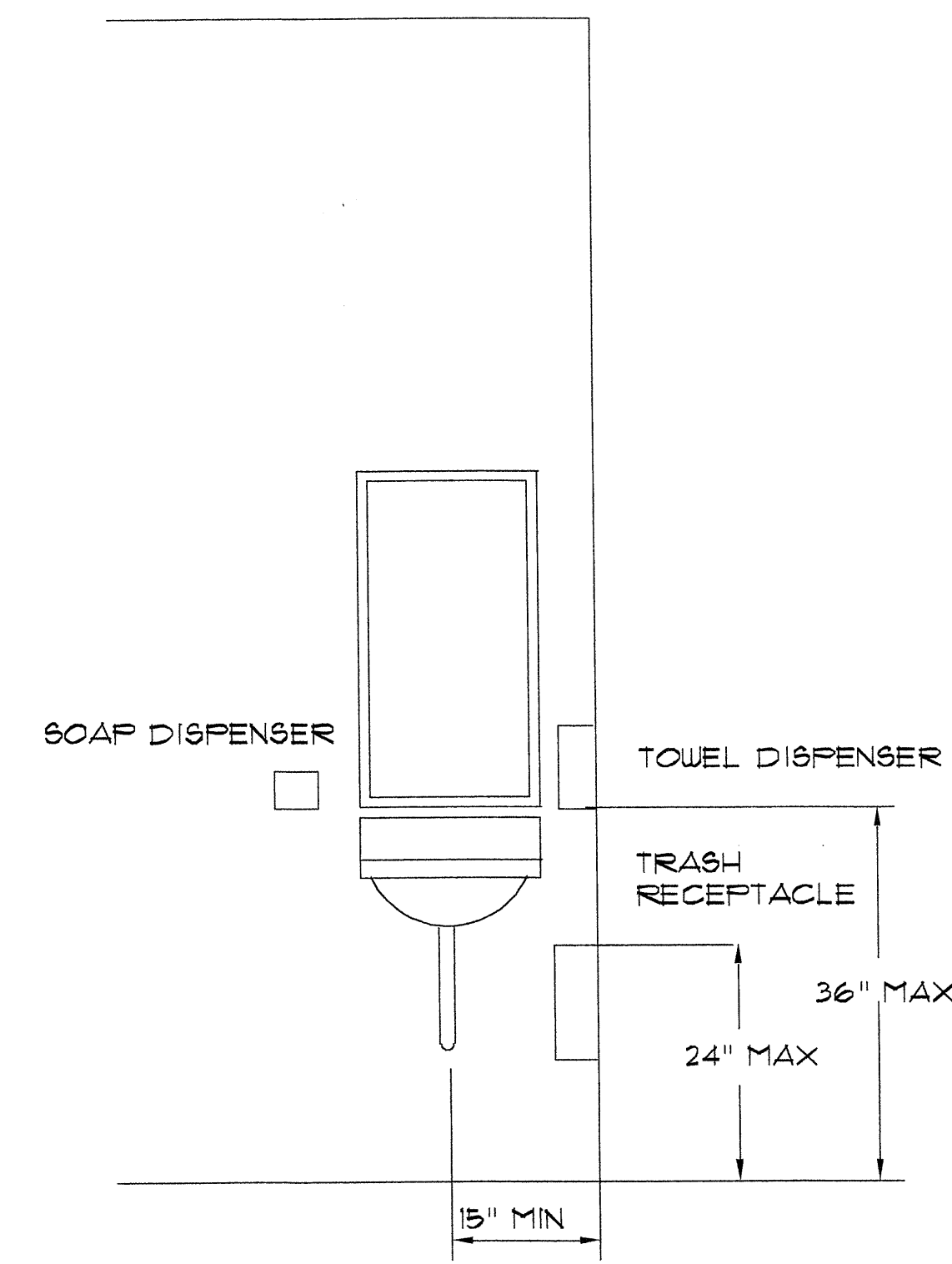
SCALE: 3/4" = 1'-0"

NOTE: ALL HANDICAP RESTROOMS SHALL COMPLY WITH ICC/ANSI A117.1-1998



HANDICAP LAVATORY DETAILS

SCALE: 3/4" = 1'-0"



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HANDICAP
6806HCAP

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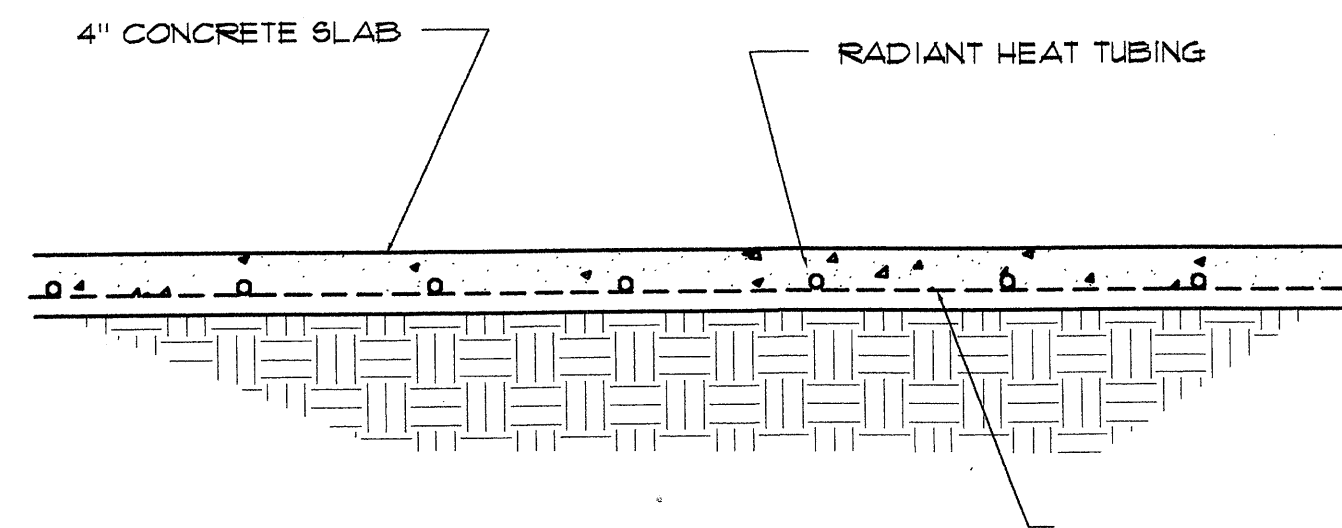
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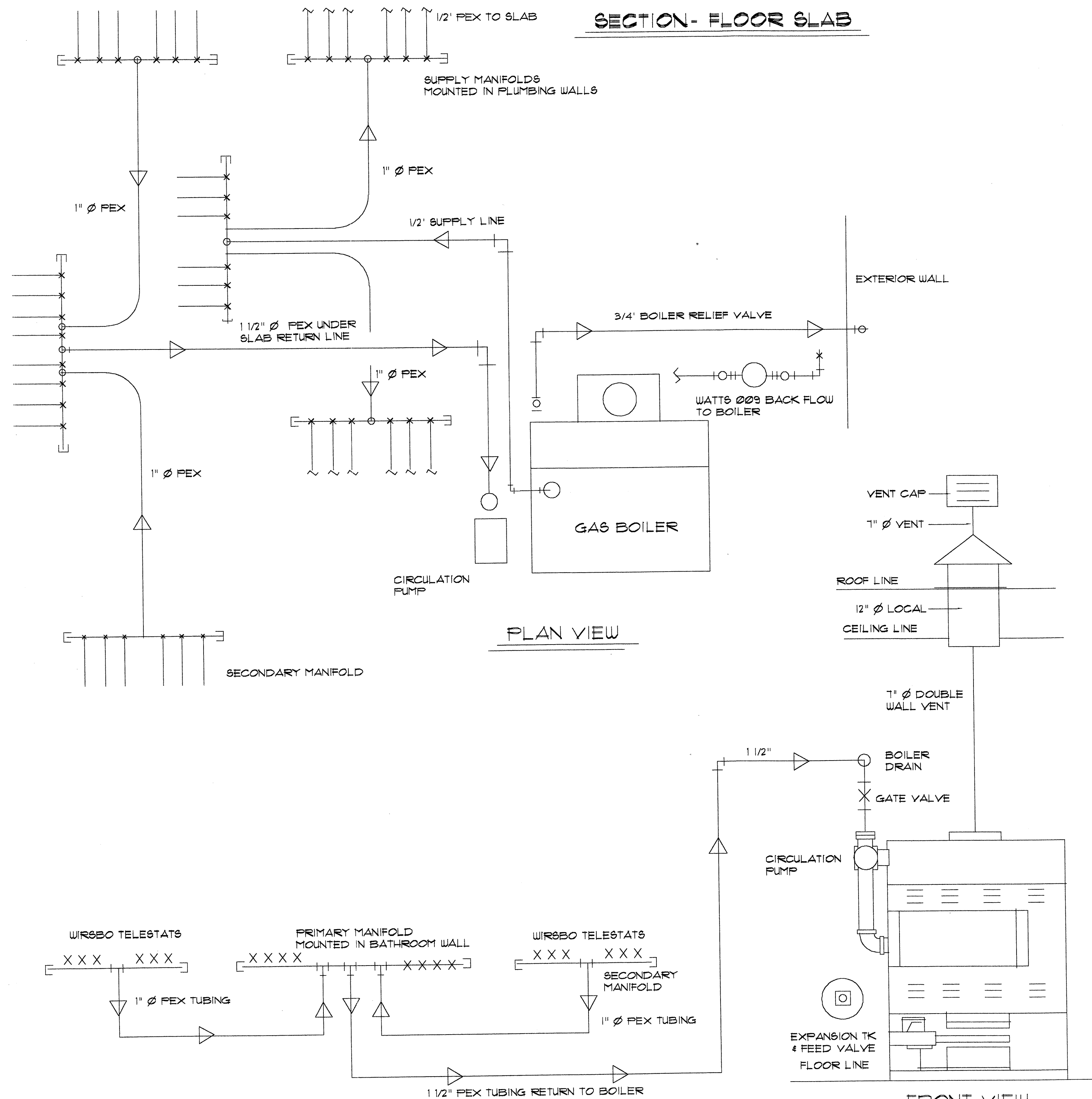
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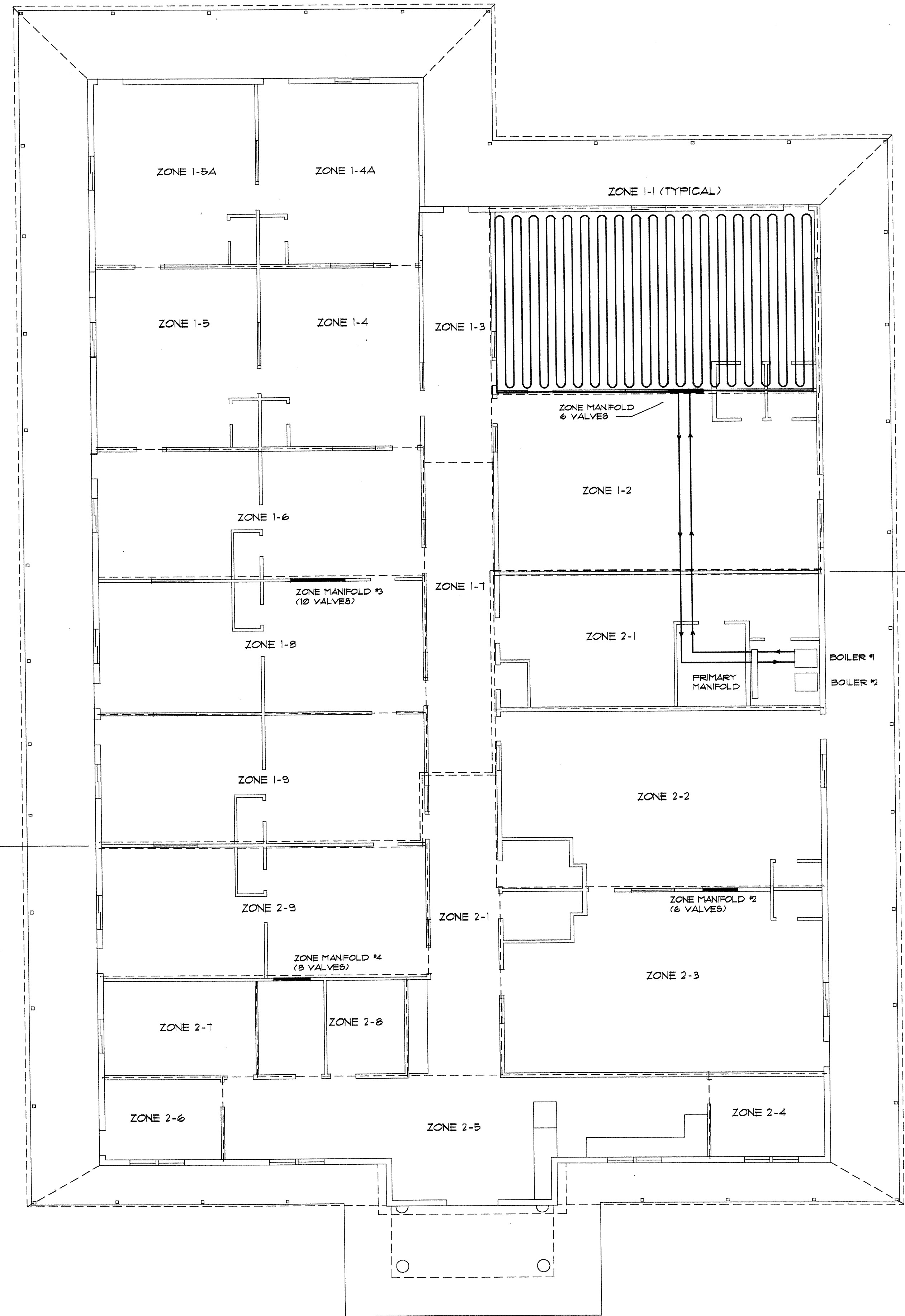


SECTION - FLOOR SLAB



2-LOCHINVAR BOILERS
MODEL * RBN 225-F1
W/MANUAL HI-LIMIT RESET
LOW WATER CUT-OFF & FLOW SWITCH

2 BOILERS W/SEPARATE VENTING,
3/4" RELIEF VALVES & FEED VALVES



RADIANT HEAT PLAN

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

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HEATING

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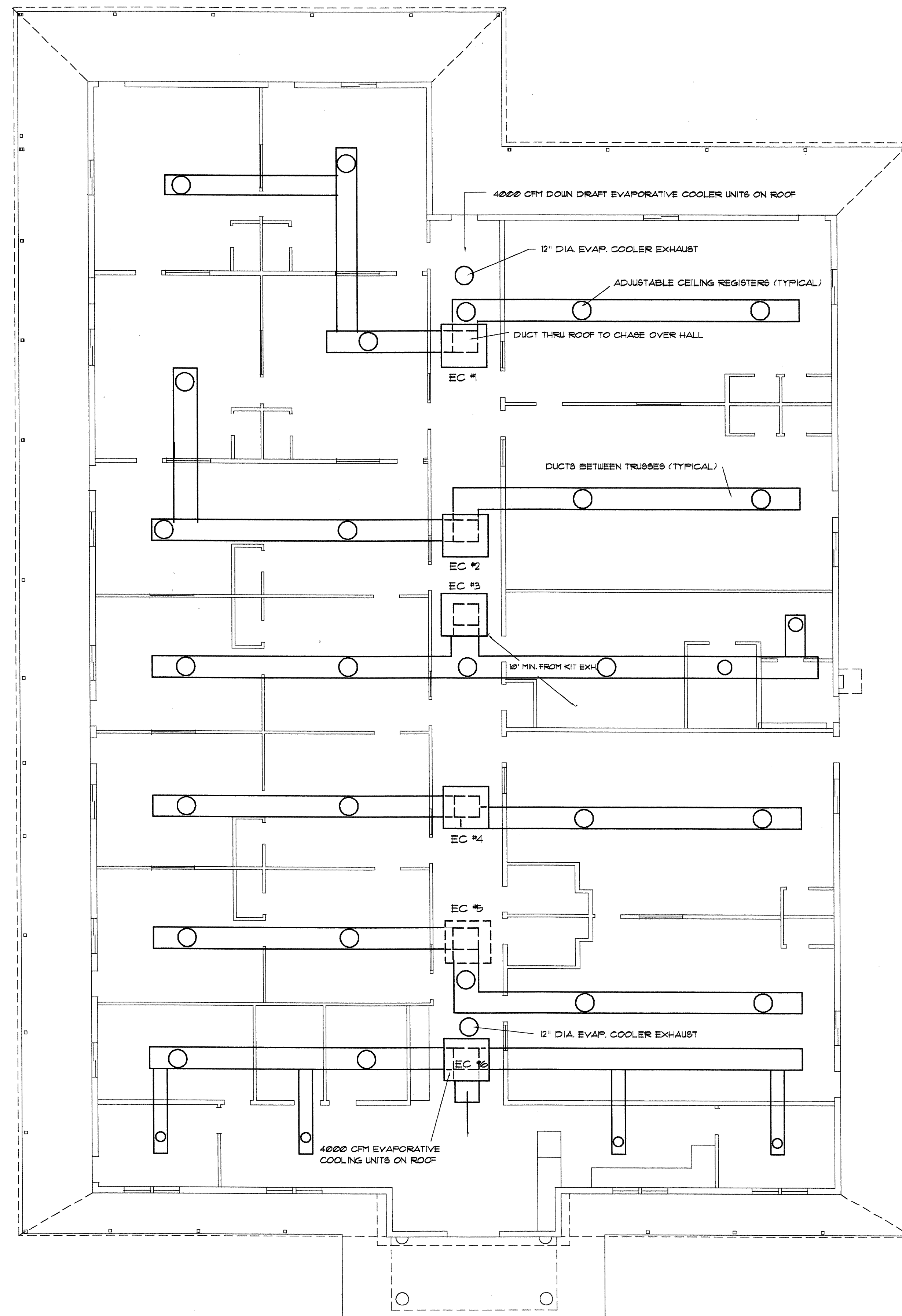
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AIR CONDITIONING NOTES:

1. EVAPORATIVE COOLERS SHALL BE HIGH QUALITY, SIZE AS SHOWN
2. ALL REGISTERS SHALL HAVE HANDAMPERS FOR SYSTEM BALANCING.
3. PROVIDE SUMMER AND WINTER DAMPERS AT EVAP. AIR CONDITIONER
4. PROVIDE EVAP AIR CONDITIONER AS SHOWN COMPLETE WITH NECESSARY POWER AND WATER.
5. UNDERCUT ALL INTERIOR DOORS 1".
6. INSULATE ALL EXPOSED DUCTS WITH 2" WEATHERPROOF FIBERGLASS BLANKETS. COVER UNDERGROUND DUCTS WITH CONCRETE.
7. ALL DUCTS AND REGISTERS SHOWN ARE SCHEMATIC ONLY. COOLING/EXHAUST CONTRACTOR MAY CHANGE SIZE & LOCATIONS, ETC. WITH THE GEN. CONTRACTORS APPROVAL. HE SHALL GUARANTEE THE ENTIRE SYSTEM FOR BOTH OPERATION AND AGAINST EQUIPMENT FAILURE FOR A PERIOD OF ONE YEAR.



EVAPORATIVE COOLING PLAN

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

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68W&COOL

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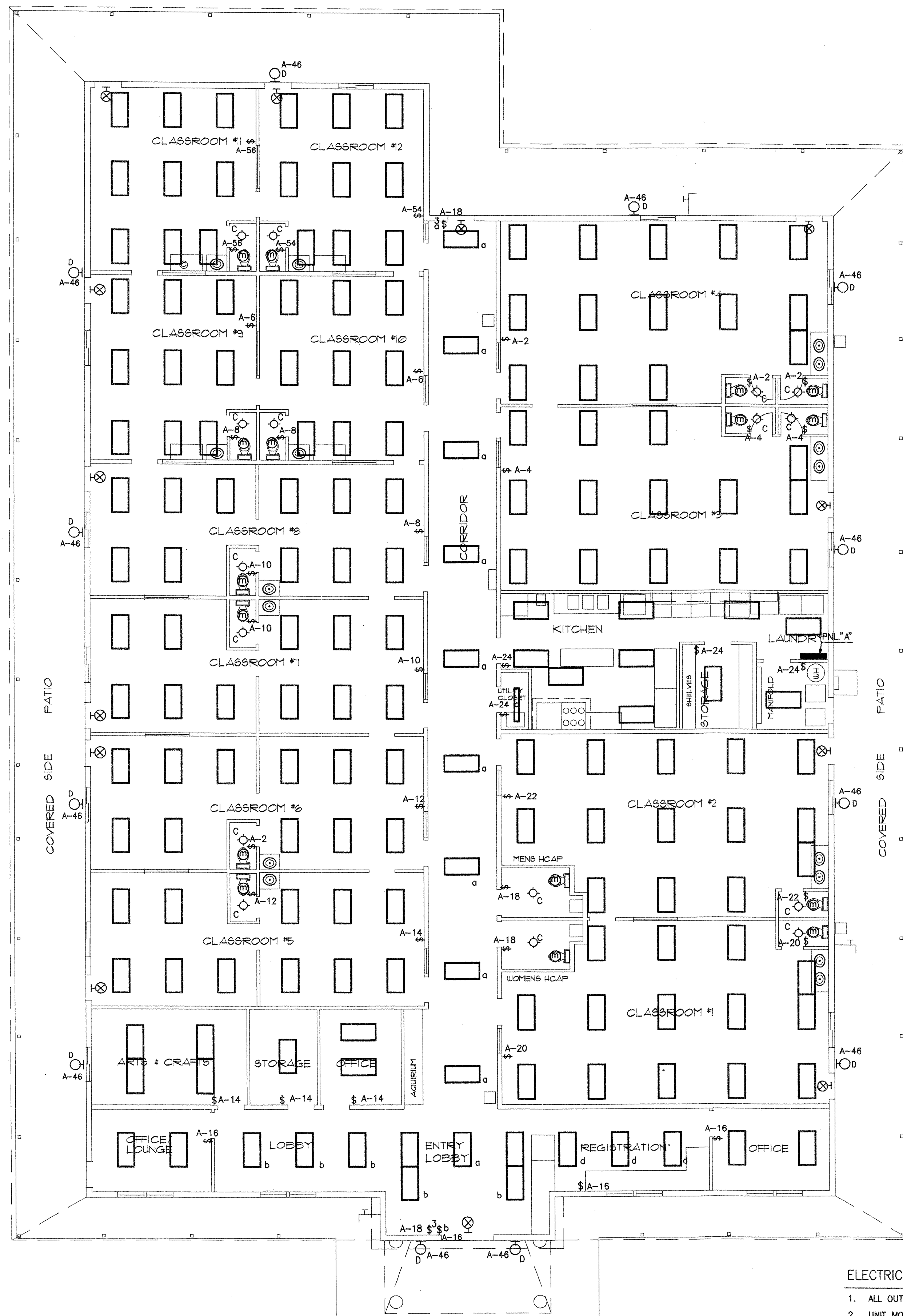
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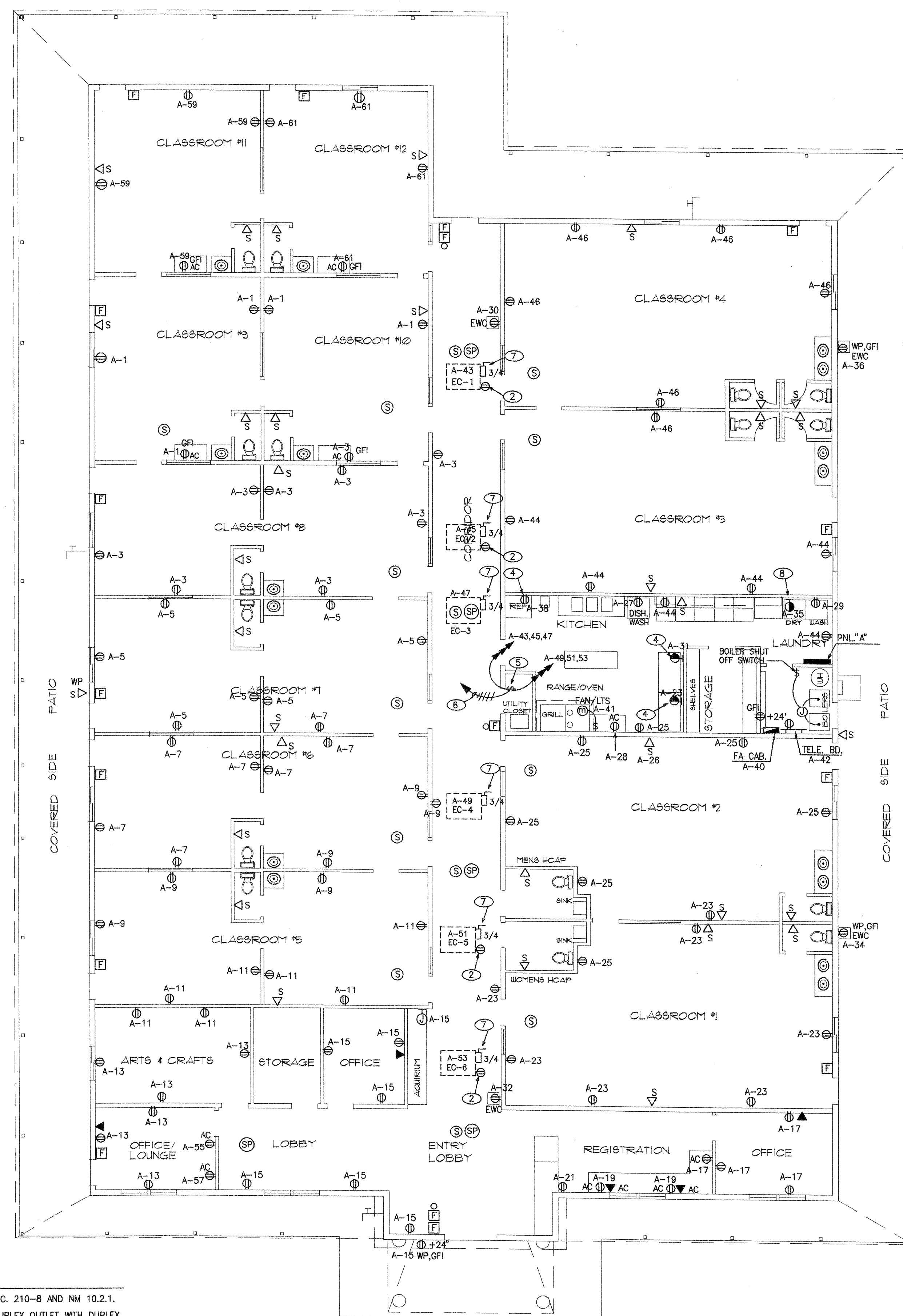
LIGHTING PLAN

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

NOTE: ALL 2'x4' FIXTURES TO BE TYPE "A".

ELECTRICAL KEYED NOTES

1. ALL OUTLETS SHALL COMPLY WITH N.E.C. 210-8 AND NM 10.2.1.
2. UNIT MOUNTED WEATHERPROOF, GFI, DUPLEX OUTLET WITH DUPLEX FLIP OPEN COVERPLATE.
3. PROVIDE SEVEN (7) ROTARY SWITCHES (20A) WITH OFF-HI COOL-LOW COOL-HI VENT-LOW VENT-PUMP (FOR TWO SPEED AC UNITS). PROVIDE LAMINATED NAMEPLATE WITH ASSOCIATED UNIT CALL OUT, "AC" ETC. FINAL LOCATION TO BE COORDINATED WITH OWNER. WIRING AS REQUIRED.
4. SINGLE OUTLET, 120V-20A-3P-3W UP 36".
5. OFF-PUMP-HI VENT-LO VENT-HI COOL-LO COOL ROTARY SWITCH FOR TWO SPEED EVAP COOLER UNIT (SIX TOTAL).
6. TYPICAL OF SIX: EXTEND #10 THWN CONDUCTORS, NUMBER AS REQUIRED BY UNIT WIRING DIAGRAM TO EACH E.C. UNIT AND CONNECT.
7. 30A-240V-1P+GN & GND, NEMA "3R" NON-FUSED SAFETY SWITCH MOUNTED ON UNIT.
8. SINGLE 30A-4P-4W (2 PHASE, NEUTRAL & GND) WITH CAP AND CORD SET. MOUNT UP 36". EXTEND #10 THWN AND 1#12-3/4".



POWER PLAN

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



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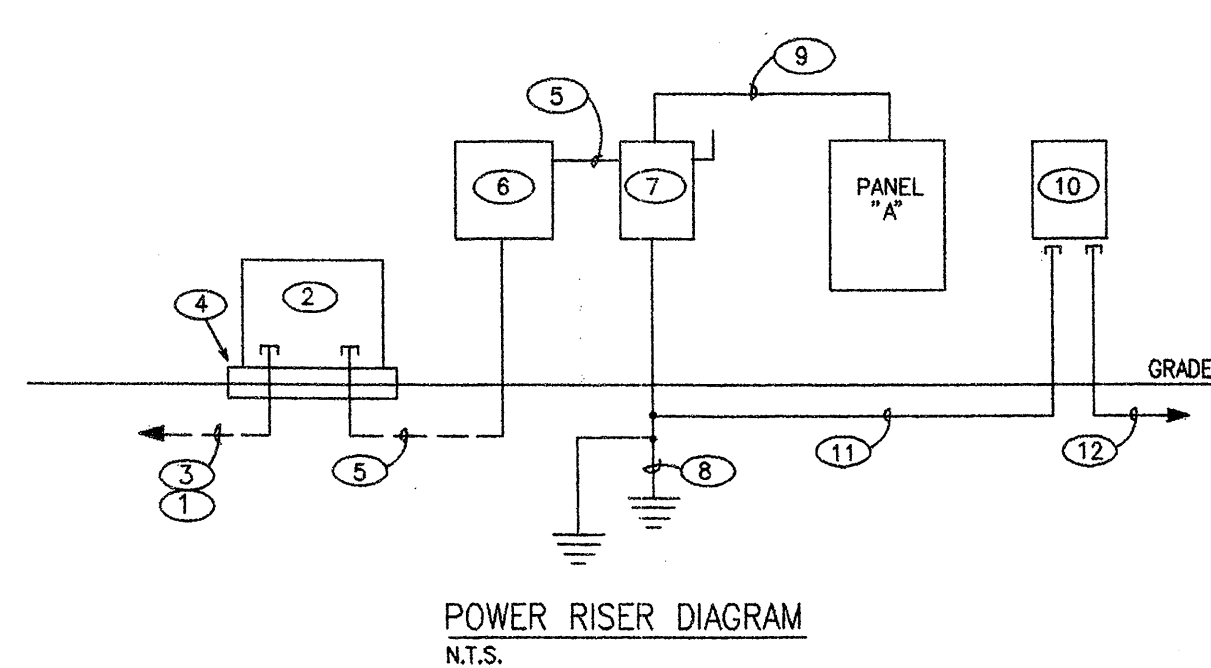
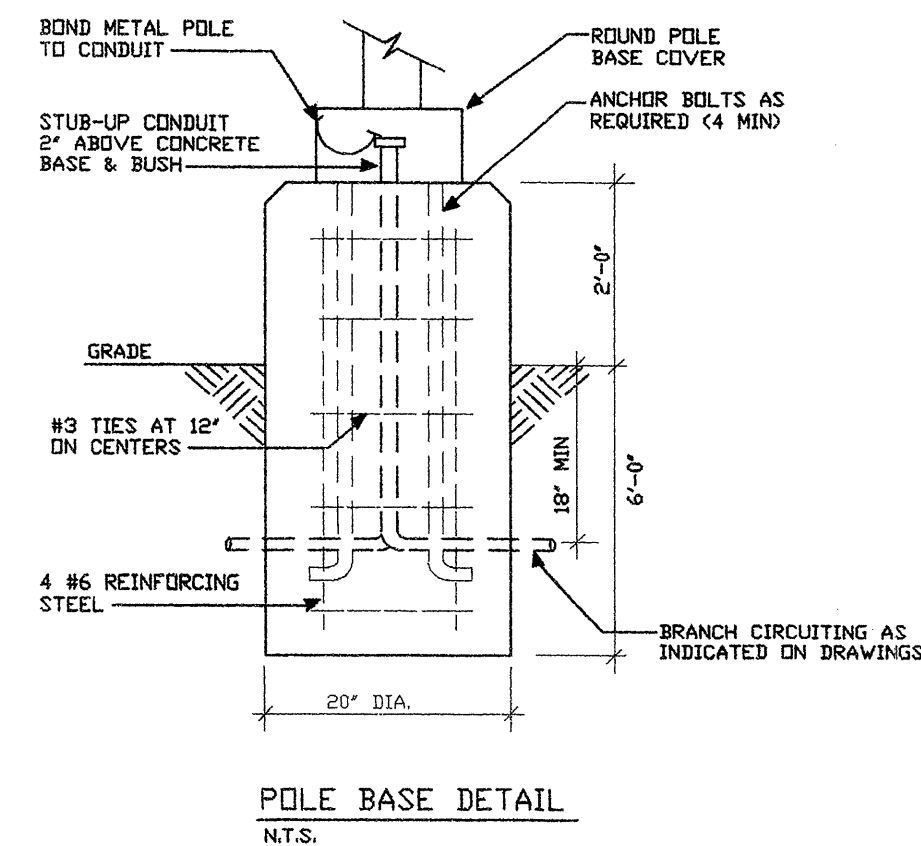
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E1

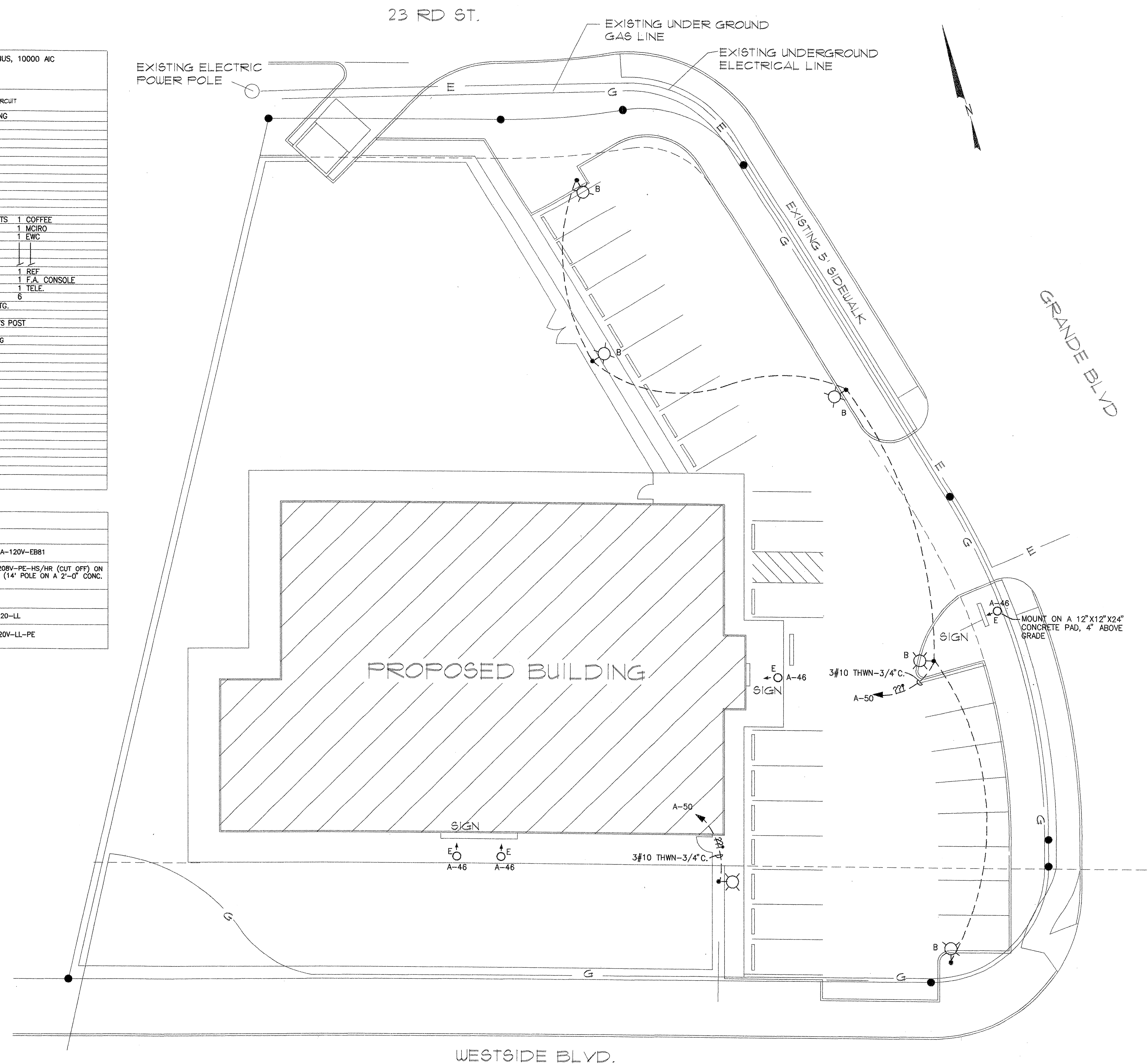
	CEILING FIXTURE, LETTER DENOTES FIXTURE TYPE
	WALL MOUNTED FIXTURE
	EXIT LIGHT, SURE-LITES #TRX11R2H-10, ARROWS AND FACES AS INDICATED
	YORKLITE #AW312-W BATTERY OPERATED EMERGENCY UNIT WITH 2-12W LAMPS
	FLUORESCENT FIXTURE
$\oint$ a	WALL SWITCH, SPST, 4'-0" ABOVE FLOOR TO TOP UNLESS NOTED. LETTER DENOTES CONTROL
$\oint$ 3	THREE WAY WALL SWITCH
	DUPLEX CONVENIENCE OUTLET, 18" ABOVE FLOOR TO BOTTOM UNLESS NOTED
	THERMOSTAT, 5'-0" ABOVE FLOOR
	J-BOX AS NOTED OR REQUIRED
	DISCONNECT SWITCH
$1/2$ (m)	MOTOR OUTLET AND SIZE IN HP
	LIGHTING PANELBOARD, 120/208V-3 PHASE-4 WIRE
	3/4" PLYWOOD TELEPHONE TERMINAL BOARD, SIZE AS NOTED
	FIRE ALARM CONTROL PANEL
	TELE. OUTLET, WALL, 18" ABOVE FLOOR TO BOTTOM UNLESS NOTED
	FIRE ALARM AUDIO/VISUAL, 7'-6" ABOVE FLOOR
	FIRE ALARM PULLSTATION, 4'-0" ABOVE FLOOR TO TOP
	AUTOMATIC SMOKE DETECTOR
	SPEAKER, FIRE ALARM, WALL MOUNTED
	SPEAKER, FIRE ALARM, FLUSH IN CEILING
WP	WEATHERPROOF
	MECHANICAL EQUIPMENT REFERENCE
	ELECTRICAL NOTE REFERENCE
(m)	FURNISHED BY MECHANICAL
AC	ABOVE COUNTER

FIXTURE SCHEDULE			
TYPE	LAMPS	MOUNTING	DESCRIPTION
	3-3278/835	RECESSED	METALLUX #2G5XF-332A-120V-EBB1
B	1-250W HPS	POLE MTD. SEE POLE DETAIL	LUMARK #HPHR-83-200V-PE-HS/HR (CUT OFF) ON A WISSMA45F-M1-2 (14" POLE ON A 2-0" CONC. BASE
C	1-28W 2D FLUOR.	CEILING MOUNTED	HALO #H2552F2L28
D	1-70W HPS	WALL MTD. TOP AT UNDER-NEATH OF OVERHANG	LUMARK #HPFM-70-120-LL
E	150W HPS	MOUNT ON TOP OF OVERHANG AIM TO SIGN OR AS NOTED	LUMARK #HPFF-50-120V-LL-PE



LOAD CALCULATION			
ITEM	CONN	DF	DEMAND
LIGHTING	24,176W	1.25	30,220W
RECEPTS	34,626W	*	22,313W
MECH.	14,400W	1.0	14,400W
TOTAL			66,933W
66,933W ÷ 360 = 186A			
USE 200A SERVICE			
* PER NEC 220-13			

1. CONTRACTOR TO VERIFY WITH PNM IF ONE OR TWO CONDUITS ARE REQUIRED FROM UNDERGROUND PRIMARY CABLES TO NEW TRANSFORMER LOCATION.
2. TRANSFORMER BY PNM.
3. 4"C. AS REQUIRED BY PNM. SEE PNM DRAWING.
4. CONCRETE TRANSFORMER PAD AS REQUIRED BY PNM.
5. 4 - #3/0 THWN-2"C.
6. METER AND C.T. CAN AS REQUIRED BY PNM.
7. 200A-240V-3P4S+N & GND, NEMA "3R" FUSIBLE SAFETY SWITCH. FUSE 200A BUSS "LPN-RK" FUSES.
8. 1 #4 THWN GREEN GROUND IN 3/4"C. TO "UFER" AND COLD WATER METAL PIPE ELECTRODES OR AS AVAILABLE PER NED 250-50.
9. 4 #3/0 THWN AND 1 #4 THWN - 2 1/2"C.
10. 3' X 3' X 3/4" PLYWOOD TELEPHONE BOARD, TOP AT 5'-6".
11. 1 #6 THWN GREEN GROUND - 1/2"C. TO MAIN SERVICE GROUND.
12. 2 1/2"C. TO NEAREST PEDESTAL OR POLE AS REQUIRED BY U.S. WEST REPRESENTATIVE.



SITE PLAN - ELECTRICAL

SCALE: 1" = 15'



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SSWSelecSITE4-361

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PLAYING ONE - STAND

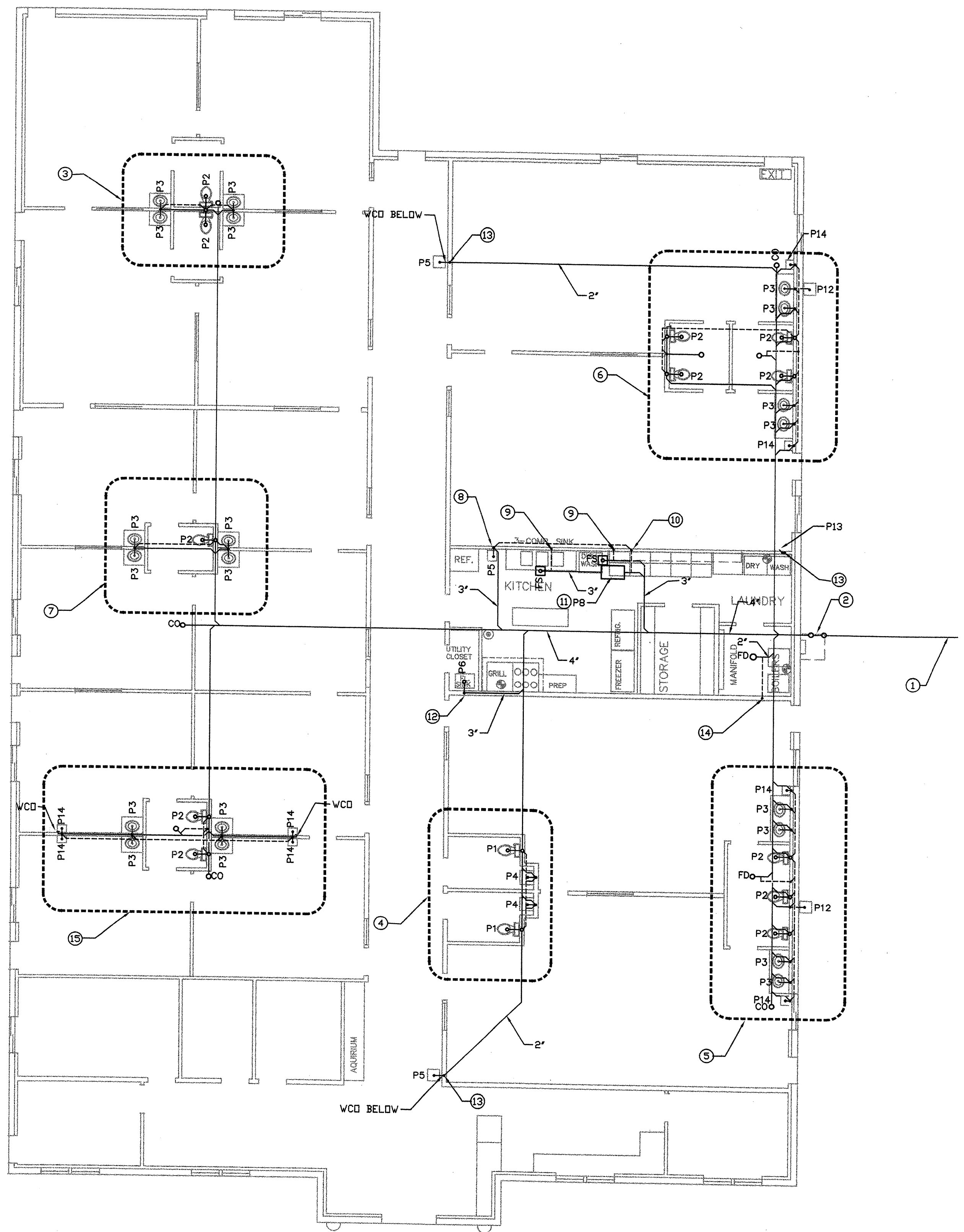
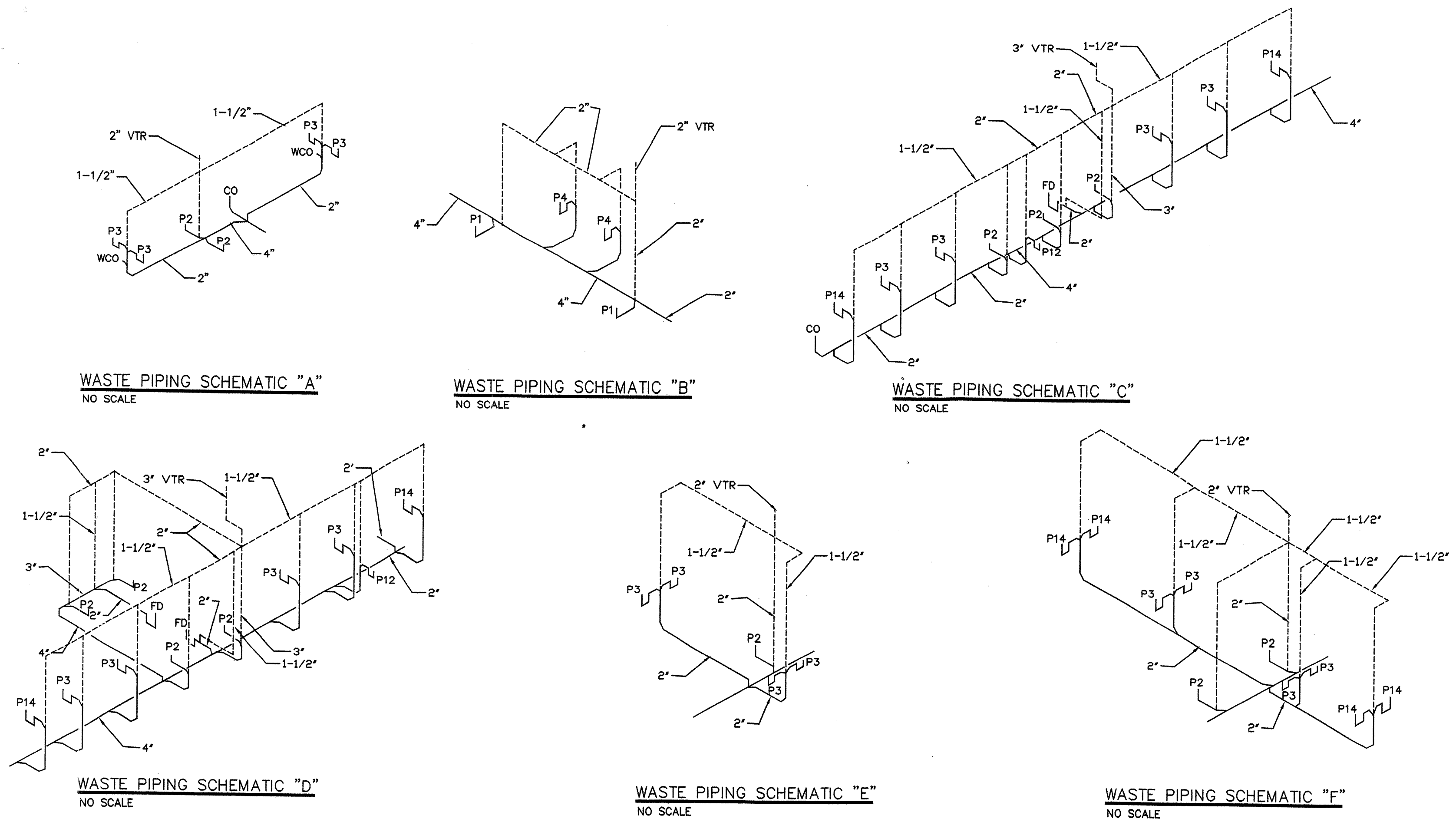
CHILDREN'S LEARNING CENTER

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DESIGNERS
MM

2

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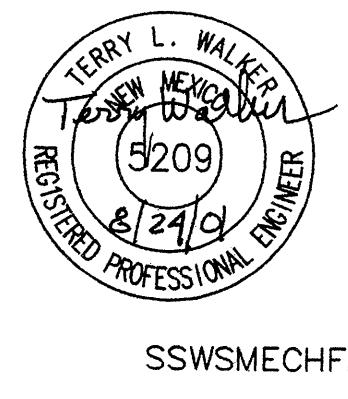
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- SPECIFIC NOTES**
- ① 4" WASTE LINE TO SITE SEWER AND CONNECT. VERIFY LOCATION.
 - ② 2 WAY COTG.
 - ③ SEE WASTE PIPING SCHEMATIC "A" FOR PIPING.
 - ④ SEE WASTE PIPING SCHEMATIC "B" FOR PIPING.
 - ⑤ SEE WASTE PIPING SCHEMATIC "C" FOR PIPING.
 - ⑥ SEE WASTE PIPING SCHEMATIC "D" FOR PIPING.
 - ⑦ SEE WASTE PIPING SCHEMATIC "E" FOR PIPING.
 - ⑧ 2" WASTE LINE DOWN TO BELOW GRADE AND 2" VTR.
 - ⑨ 1-1/2" VENT LINE FROM FS UP IN WALL TO ABOVE CEILING AND ROUTE AS SHOWN.
 - ⑩ 2" VENT LINE FROM GREASE TRAP UP IN WALL TO ABOVE CEILING AND ROUTE AS SHOWN.
 - ⑪ GREASE TRAP. SEE DETAIL.
 - ⑫ 3" WASTE LINE DOWN TO BELOW GRADE AND 2" VTR.
 - ⑬ 2" WASTE LINE DOWN TO BELOW GRADE AND 1-1/2" VTR.
 - ⑭ 1-1/2" VENT LINE FROM FD UP IN WALL AND EXTEND THRU ROOF.
 - ⑮ SEE WASTE PIPING SCHEMATIC "F" FOR PIPING.

PLUMBING PLAN
 WASTE PIPING PLAN
 SCALE : 1/8" = 1'-0"

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FIXTURE SCHEDULE

- P1 WATER CLOSET: AMERICAN STANDARD NO. 2168.100, VITREOUS CHINA, 17" RIM HEIGHT, PRESSURE ASSISTED 1.6 GALLON FLUSH, WITH OPEN FRONT PLASTIC SEAT. 4" WASTE, 2" MINIMUM VENT, 1/2" CW.
- P2 WATER CLOSET: AMERICAN STANDARD NO. 2292.100, VITREOUS CHINA, 14" RIM HEIGHT, PRESSURE ASSISTED 1.6 GALLON FLUSH, WITH OPEN FRONT PLASTIC SEAT. 4" WASTE, 2" MINIMUM VENT, 1/2" CW.
- P3 LAVATORY: AMERICAN STANDARD NO. 0491.019, VITREOUS CHINA, SELF RIMMING, WITH NO. 5401.172 FAUCET. 1-1/2" WASTE, 1-1/2" VENT, 1/2" CW, 1/2" HW.
- P4 LAVATORY: AMERICAN STANDARD NO. 0124.024, VITREOUS CHINA, WALL MOUNTED, WITH NO. 5401.172 FAUCET, INSULATE HW AND WASTE PER ADA STANDARDS. 1-1/2" WASTE, 1-1/2" VENT, 1/2" CW, 1/2" HW.
- P5 DRINKING FOUNTAIN: ELKAY MODEL EDFP-14-C, STAINLESS STEEL, WALL MOUNTED, BARRIER FREE, WITH FRONT PUSH BAR. 1-1/2" WASTE, 1-1/2" VENT, 1/2" CW.
- P6 SERVICE SINK: FIAT MODEL MSB-100, MOLDED STONE WITH INTEGRAL OUTLET STRAINER AND #530-AA WALL MOUNTED FAUCET. 3" WASTE, 1-1/2" VENT, 1/2" CW, 1/2" HW.
- P7 3 COMPARTMENT SINK: TABCO MODEL 9-3-54-18RL, STAINLESS STEEL, WITH SUPPORT STAND, WITH JUST NO. JS477A-1 WALL MOUNTED FAUCET AND J-35 OUTLET STRAINER. 1-1/2" WASTE TO FS, 1/2" CW, 1/2" HW.
- P8 GREASE TRAP: ZURN MODEL Z-1170, SIZE 600, 50 LBS. CAPACITY, 25 GPM FLOW RATE, AIR TIGHT COVER WITH EXTENSION AS REQUIRED. 3" INLET, 3" OUTLET, 1-1/2" VENT.
- P9 WATER HEATER: AO SMITH MODEL BT-80, 80 GALLON STORAGE CAPACITY, NATURAL GAS FIRED, 75,000 BTUH INPUT, ORFICED FOR 5000' ELEVATION. 1" CW, 1" HW.
- P10 CIRCULATING PUMP: BELL & GOSSETT MODEL LR-20BF, 115 V, 1 PH, 1/20 HP.
- P11 MIXING VALVE: POWERS MODEL 432 WITH ADJUSTABLE TEMPERATURE CONTROL AND ROUGH BRASS FINISH. 3/4" CW, 3/4" HW, 1" OUTLET.
- P12 DRINKING FOUNTAIN: HALSY TAYLOR MODEL 5905AC, STAINLESS STEEL, WALL MOUNTED, WITH VANDEL PROOF CROSS HANDLE STOP AND AUTOMATIC FROSTPROOF SUPPLY VALVE AND DRAIN ASSEMBLY. 1-1/2" WASTE, 1-1/2" VENT, 1/2" CW.
- P13 WASHER CONNECTION: GUY GRAY MODEL BT-200, WITH WALL FLANGE AND HOSE BIBS. 2" WASTE, 1-1/2" VENT, 1/2" CW, 1/2" HW.
- P14 DRINKING FOUNTAIN: HALSY TAYLOR MODEL 5655, VITREOUS CHINA, WALL MOUNTED, WITH SELF CLOSING VALVE AND ADJUSTABLE AUTOMATIC STREAM REGULATOR. 1-1/2" WASTE, 1-1/2" VENT, 1/2" CW.
- FS FLOOR SINK: ZURN MODEL Z-1901-2 WITH DOME STRAINER AND 1/2 GRATE.
- HB HOSE BIB: WOODFORD MODEL 14, FREEZE PROOF, WITH VACUUM BREAKER.

PLUMBING REQUIREMENTS

ALL PLUMBING WORK AND MATERIALS SHALL CONFORM WITH THE LATEST EDITION OF THE LOCAL PLUMBING CODE.

UNDERFLOOR/BELOW GRADE WASTE PIPING SHALL BE CAST IRON EXCEPT THAT PVC OR ABS PIPING MAY BE USED WHERE PERMITTED BY APPLICABLE CODES.

VENT PIPING SHALL BE CAST IRON OR STEEL EXCEPT THAT PVC OR ABS PIPING MAY BE USED WHERE PERMITTED BY APPLICABLE CODES.

WATER PIPING BELOW SLAB SHALL BE TYPE "L" SOFT COPPER.

COLD WATER PIPING ABOVE CEILING SHALL BE INSULATED WITH 1" THICK FIBERGLAS PIPE INSULATION WITH VAPOR BARRIER.

ALL WATER PIPING ABOVE GRADE SHALL BE TYPE "M" HARD COPPER.

ALL HOT WATER PIPING SHALL HAVE 1-1/2" THICK FIBERGLAS INSULATION.

INSTALL SHUT-OFF GATE VALVE AND UNION TO ALL EQUIPMENT SUPPLY LINES.

VERIFY METERING AND SERVICE CONNECTIONS WITH LOCAL UTILITY COMPANIES.

PITCH ALL DRAINS 1/4" PER FOOT WHERE POSSIBLE.

ALL PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

ALL ELEVATIONS SHALL BE VERIFIED AT THE JOB SITE.

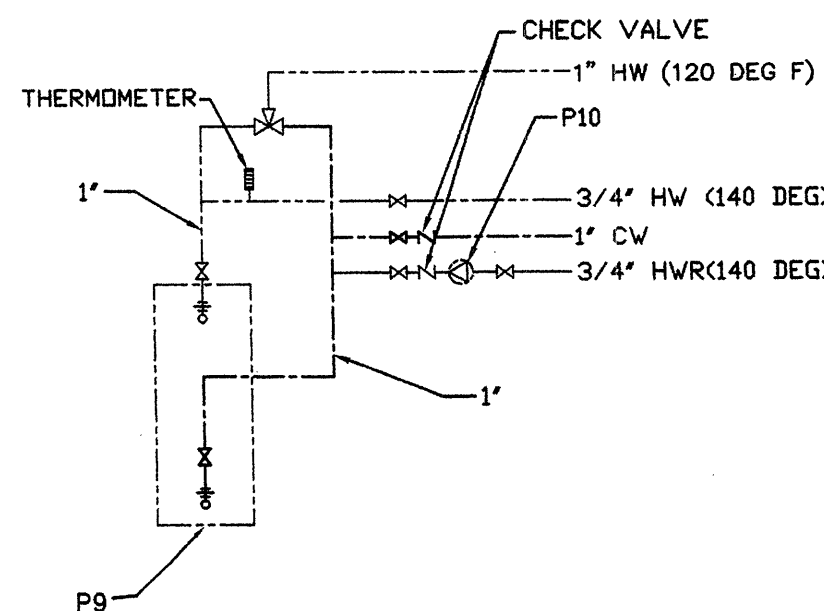
PLUMBING CONTRACTOR SHALL PAY ALL FEES, PERMITS AND CHARGES IN CONNECTION WITH THIS WORK.

THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS AND ROUGH-IN REQUIREMENTS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL SUPPLY FOR APPROVAL, SIX COPIES OF SHOP DRAWINGS AND/OR MANUFACTURER'S DESCRIPTIVE DATA OF A NATURE TO COMPLETELY IDENTIFY THE MATERIAL OR EQUIPMENT TO BE INSTALLED.

ALL WATER PIPING SHALL BE RUN ON THE HEATED SIDE OF BUILDING INSULATION. PROVIDE RIGID "TENT" OVER PIPING IN CEILING SPACE.

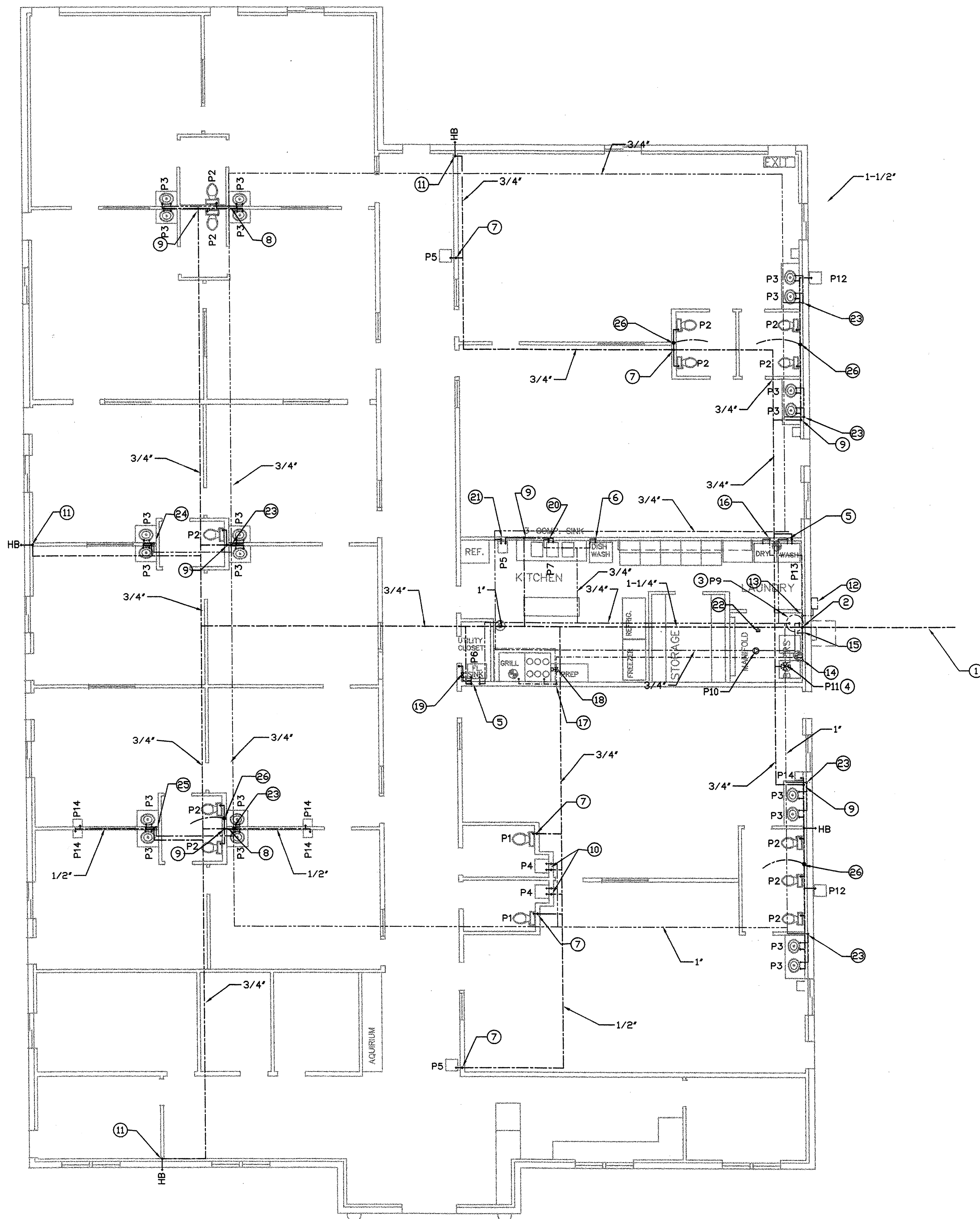
KITCHEN AND LAUNDRY EQUIPMENT SHALL BE INSTALLED BY THE GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL ROUGH-IN AND MAKE FINAL CONNECTIONS TO THIS EQUIPMENT.



WATER HEATER INSTALLATION DETAIL
NO SCALE

SPECIFIC NOTES

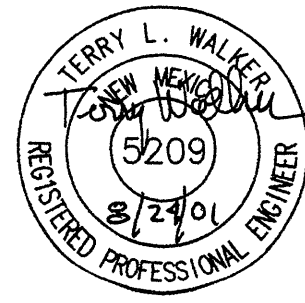
- 1-1/2" CW TO 1" WATER METER AT STREET AND CONNECT. VERIFY LOCATION.
- 1-1/2" CW UP FROM BELOW GRADE TO CEILING LEVEL. INSTALL SHUT-OFF VALVE AT 6" AFF.
- SEE WATER HEATER INSTALLATION DETAIL.
- MIXING VALVE AT CEILING LEVEL.
- 1/2" CW AND 1/2" HW (140 DEG) DOWN IN WALL TO FIXTURE AND CONNECT.
- 3/4" HW (140 DEG) DOWN IN WALL TO DISHWASHER AND CONNECT.
- 1/2" CW DOWN IN WALL TO FIXTURES AND CONNECT.
- 3/4" HW (120 DEG) DOWN IN WALL, ROUTE TO FIXTURES AND CONNECT.
- 3/4" CW DOWN IN WALL AND ROUTE TO FIXTURES AS SHOWN.
- 1/2" CW AND 1/2" HW (120 DEG) DOWN IN WALL TO FIXTURE AND CONNECT.
- 3/4" CW DOWN IN WALL TO HB AT 24" ABOVE GRADE.
- GAS METER AND PRESSURE REGULATOR BY UTILITY CO. SIZE UNIT FOR A TOTAL CONNECTED LOAD OF 700,000 BTUH (VERIFY) WITH A MINIMUM OUTLET PRESSURE OF 7" W.C.
- 1-1/2" GAS LINE THRU WALL AND UP TO CEILING LEVEL.
- 1-1/4" GAS LINE DOWN ALONG WALL. CONNECT 1" GAS LINE TO EACH BOILER WITH SHUT-OFF VALVE, DIRT LEG AND FLEX CONNECTION.
- 3/4" GAS LINE DOWN TO WATER HEATER AND CONNECT WITH SHUT-OFF VALVE, DIRT LEG AND FLEX CONNECTION.
- 3/4" GAS LINE DOWN TO DRYER AND CONNECT WITH SHUT-OFF VALVE, DIRT LEG AND FLEX CONNECTION.
- 1" GAS LINE DOWN TO RANGE AND CONNECT WITH SHUT-OFF VALVE, DIRT LEG AND FLEX CONNECTION.
- SOLENOID SHUT-OFF VALVE IN CEILING SPACE. COORDINATE WITH FIRE EXTINGUISHER CONTRACTOR.
- 1/2" CW WITH SHUT-OFF/DRAIN VALVE. ROUTE 1/2" CW UP THRU ROOF. ROUTE 1/2" CW TO EVAPORATIVE COOLERS ON ROOF AND CONNECT TO EACH COOLER WITH SHUT-OFF VALVE AND 1/4" CONNECTOR.
- 1/2" HW (140 DEG) DOWN IN WALL TO FIXTURE AND CONNECT.
- 1/2" HW (120 DEG) DOWN IN WALL TO FIXTURE AND CONNECT.
- 1/2" CW STUB-OUT FOR CONNECTION TO BOILERS.
- 1/2" HW (120 DEG) DOWN IN WALL, ROUTE TO FIXTURES AND CONNECT.
- 1/2" CW AND 1/2" HW (120 DEG) DOWN IN WALL AND ROUTE TO FIXTURES AS SHOWN.
- 3/4" CW AND 1/2" HW (120 DEG) DOWN IN WALL AND ROUTE TO FIXTURES AS SHOWN.
- TRAP PRIMER IN WALL WITH ACCESS PANEL. DROP 1/2" CW TO BELOW GRADE, ROUTE TO FD AND CONNECT.



PLUMBING PLAN

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

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SPRINGSTONE GRANDE CHILDRENS LEARNING CENTER

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Rec'd 1/14/91 JFF

86170

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DRAWINGS FOR THE CONSTRUCTION OF CORRALES WATERSHED FLOODWATER DIVERSION NO. I

PHASE II

BUILT UNDER THE WATERSHED PROTECTION
AND FLOOD PREVENTION ACT P.L. 566

PROJECT SPONSORED BY
CORRALES WATERSHED DISTRICT
CENTRAL RIO GRANDE SOIL AND WATER CONSERVATION DISTRICT
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

WITH THE ASSISTANCE OF

U. S. DEPT. OF AGRICULTURE
SOIL CONSERVATION SERVICE

SANDOVAL COUNTY, NEW MEXICO

1989

PROJECT DATA

Date Bid Opened _____
Contract No. _____ Date _____
Contractor _____
Construction Commenced _____
Construction Completed _____
Bid Price \$ _____
Final Price \$ _____
Day L.D. at _____
S.L.O. Construction Cost _____
Total P.L.566 Cost _____



Approved by *[Signature]*
State Conservation Engineer
Head Engineering Staff, W.N.
Sheet No. 1 of 29
Drawing No. NM-E-0952

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