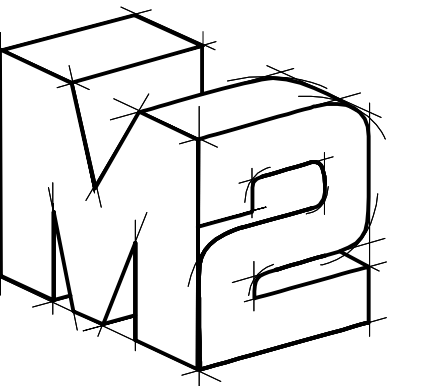


THE OIL CAN, LLC of BALTIMORE

Baltimore, OH



DESIGN GROUP

BUILDING CODE REQUIREMENTS & DESIGN ASSUMPTIONS

BUILDING DATA:
 JURISDICTION: BALTIMORE, OH
 BUILDING CODE: 2008 OHIO BUILDING CODE
 AREA OF BUILDING: 1260 SF (FIRST FLOOR), 1260 SF (LOWER LEVEL)

SCOPE OF WORK:
 NEW OIL CHANGE FACILITY

LOAD DESIGN CRITERIA:
 FLOOR LIVE LOADS:
 GENERAL: 50 psf
 STAIRS AND RAMPS: 100 psf
 MECHANICAL: 50 psf
 ROOF LIVE LOAD: 20 psf
 GROUND SNOW LOAD: 20 psf
 FLAT-ROOF SNOW LOAD: 12.6 psf
 SNOW EXPOSURE FACTOR: 0.3
 SNOW LOAD IMPORTANCE FACTOR: 1.0
 THERMAL FACTOR: 1.0
 BASIC WIND SPEED: 90 mph
 WIND EXPOSURE: B
 WIND PRESSURE: 11.8 psf
 BASIC STRUCTURAL SYSTEM: MASONRY
 SEISMIC RESISTING SYSTEM: ORDINARY FLAIN MASONRY SHEAR WALLS
 SEISMIC DESIGN CATEGORY: B (5s + 14.1kg, S1 + 5.2%g)
 SITE CLASS: D
 ASSUMED SOIL BEARING PRESS: 1500 psf

BUILDING CODE ANALYSIS:
 USE GROUP CLASSIFICATION: S-1 (MODERATE-HAZARD STORAGE)
 CONSTRUCTION CLASSIFICATION: TYPE V-B (COMBUSTIBLE, UNPROTECTED)

FIRE SUPPRESSION:
 NONE

ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503):
 3 FLOOR, 4,000 SQ. FT.

PROPOSED BUILDING:
 FIRST FLOOR: 1260
 LOWER LEVEL: 1260
 TOTAL: 2520

EXIT REQUIREMENTS:
 2 MINIMUM (1-500 OCCUPANTS)

MAXIMUM LENGTH TO EXIT (TABLE 1015):
 NON SPRINKLERED = 200 FEET

FIRE RESISTIVE CONSTRUCTION: PER TABLE 601 & TABLE 602, 30'
 STRUCTURAL FRAME: 0 HR
 BEARING WALLS, EXTERIOR: 0 HR
 BEARING WALLS, INTERIOR: 0 HR
 NONBEARING WALLS/PARTITIONS, EXTERIOR: 0 HR
 NONBEARING WALLS/PARTITIONS, INTERIOR: 0 HR
 FLOOR CONSTRUCTION (INCL. BMS/ISTS): 0 HR
 ROOF CONSTRUCTION: > 0 HR

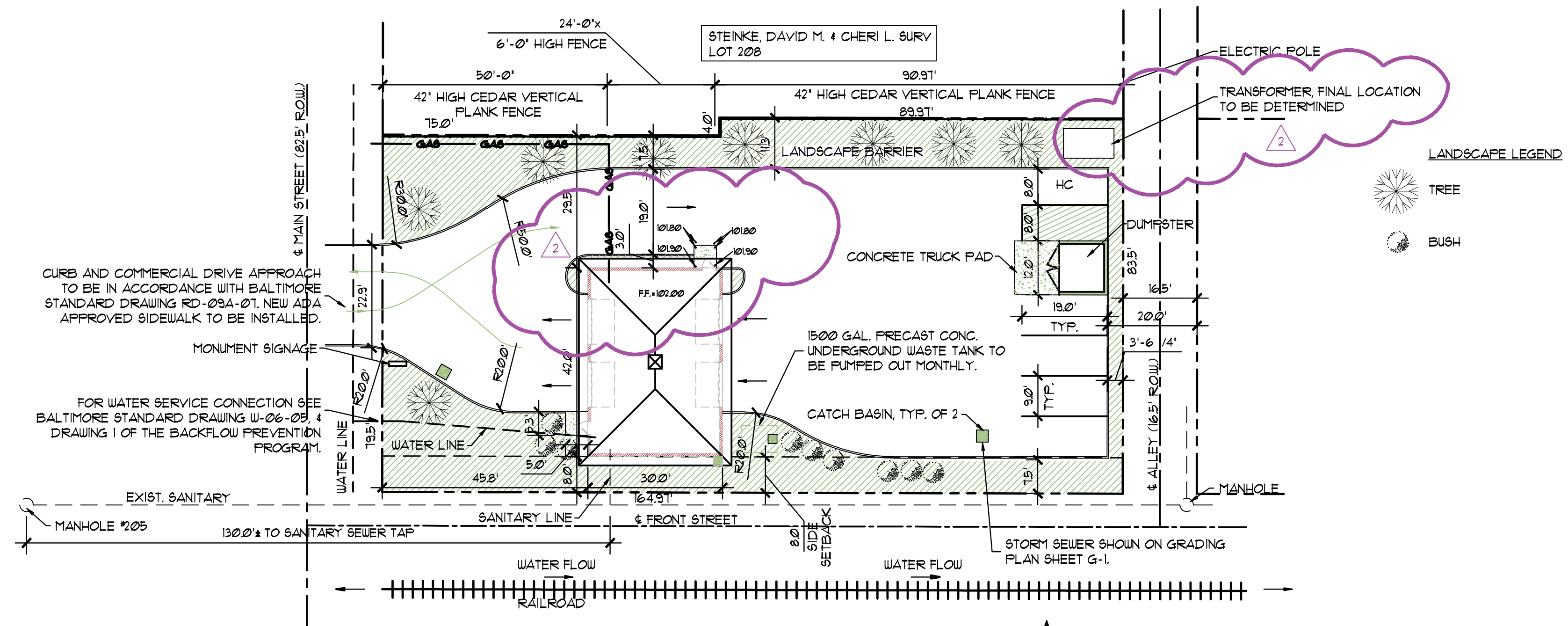
INTERIOR WALL & CEILING FINISH REQUIREMENTS:
 VERTICAL EXITS: CLASS B MATERIAL
 CORRIDORS: CLASS B
 ROOMS: CLASS C

INTERIOR FLOOR FINISH REQUIREMENTS:
 INTERIOR FLOOR FINISHES IN VERTICAL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS SHALL BE CLASS I OR CLASS II. ALL OTHER AREAS SHALL USE MATERIALS COMPLYING WITH DOC FF-1 'PILL TEST.'

PLUMBING FIXTURES: SEE MECHANICAL SHEETS FOR DETAILS AND MIN. DESIGN REQUIREMENTS

OCCUPANCY:

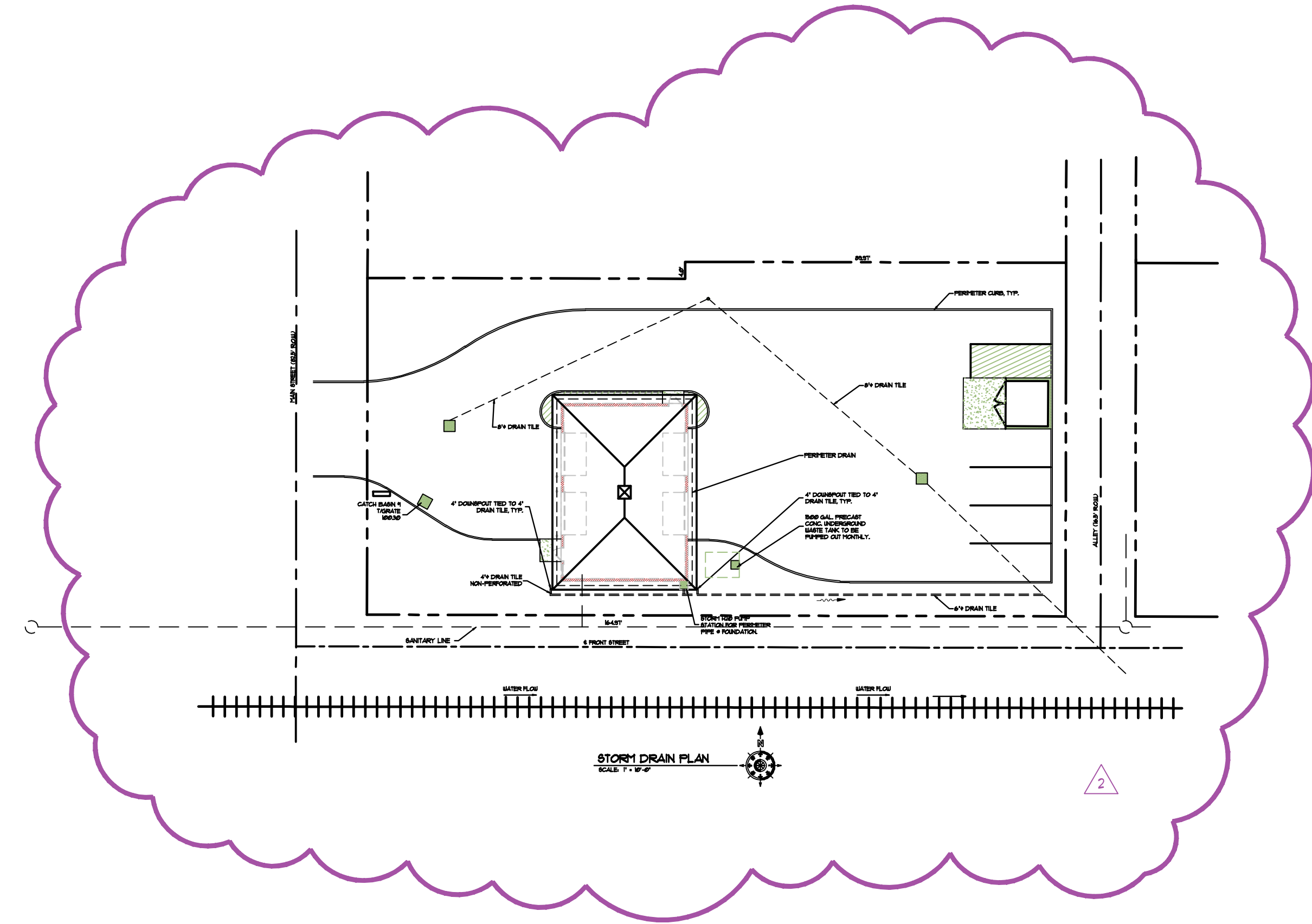
Occupiable Areas by Use Group & Floor, and Occupant Calc's Per Table 1004.1.1				
Floor	M	Use Group	SFT Per Occpt	Total # Occupants
Lower Level/storage	1,534		300	5
1st Floor	940		100	10
Totals	2,474			15



SITE PLAN

SCALE: 1" = 20'-0"

NOTE: THE FIRST FLOOR WATER WASH DOWN GOES TO AN EXTERNAL WASTE TANK TO BE PUMPED BY PUMP TRUCK CO. MONTHLY. SEE ATTACHED LETTER FROM CLEAN WATER LIMITED.



DRAWING INDEX	
SHEET	SHEET TITLE
T-1	TITLE SHEET & SITE PLAN
G-1	GRADING & DRAINAGE PLAN (BOB WOLFE ENG.)
ARCHITECTURAL	
A-1	FIRST FLOOR & BASEMENT PLAN
A-2	WEST & EAST ELEVATIONS
A-3	SECTIONS & DETAILS
A-4	SECTIONS & DETAILS
A-5	DUMPSTER DETAILS
A-6	SCHEDULES
S-1	FOUNDATION PLAN
S-2	HOLLOW CORE FRAMING PLAN
S-3	ROOF FRAMING PLAN
S-4	STRUCTURAL NOTES
P-1	PLUMBING PLAN & ISO'S.
M-1	FIRST FLR. MECH. PLAN
E-1	LIGHTING & POWER PLAN
E-2	RISER DIAG. & SCHEDULES

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PROJECT
 THE OIL CAN, LLC
 of
 BALTIMORE
 600 N. MAIN STREET
 BALTIMORE, OHIO

BUILDER

THE PLANS HAVE BEEN REVIEWED AND APPROVED BY THE FOLLOWING BALTIMORE, OHIO OFFICIALS:

SIGNATURE: _____
 SIGNATURE: _____
 SIGNATURE: _____
 SIGNATURE: _____

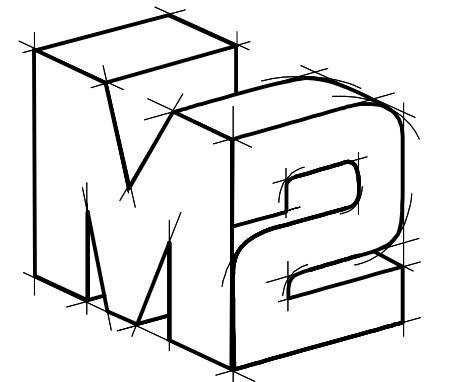
PROJECT NO. 08-0036
 DRAWN JCW/MS
 CHECKED RUM
 REVISIONS
 3/1/08 MOVED WASTE TANK LOCATION
 6/3/08 ADJUD. LETTER # DATED 4/16/08

CONSTRUCTION SET
 DATE
 March 6, 2008

TITLE
 TITLE SHEET

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 SHEET NUMBER

T-1



DESIGN GROUP

CONTAINMENT CALCULATION	
LARGEST VESSEL	= 275 GAL. x 10% = 303 GAL. (CF/148 GAL. = 40.5 CF
AREA	= 28.6' x 41.6' = 1194 SF
CONTAINMENT HEIGHT	= 40.5/1194 = 0.41'
(POND BLADDER AND WATERSTOP ADEQUATE TO CONTAIN)	

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6/3/08 ADJUD. LETTER #2 DATED 4/16/08

CONSTRUCTION SET

DATE

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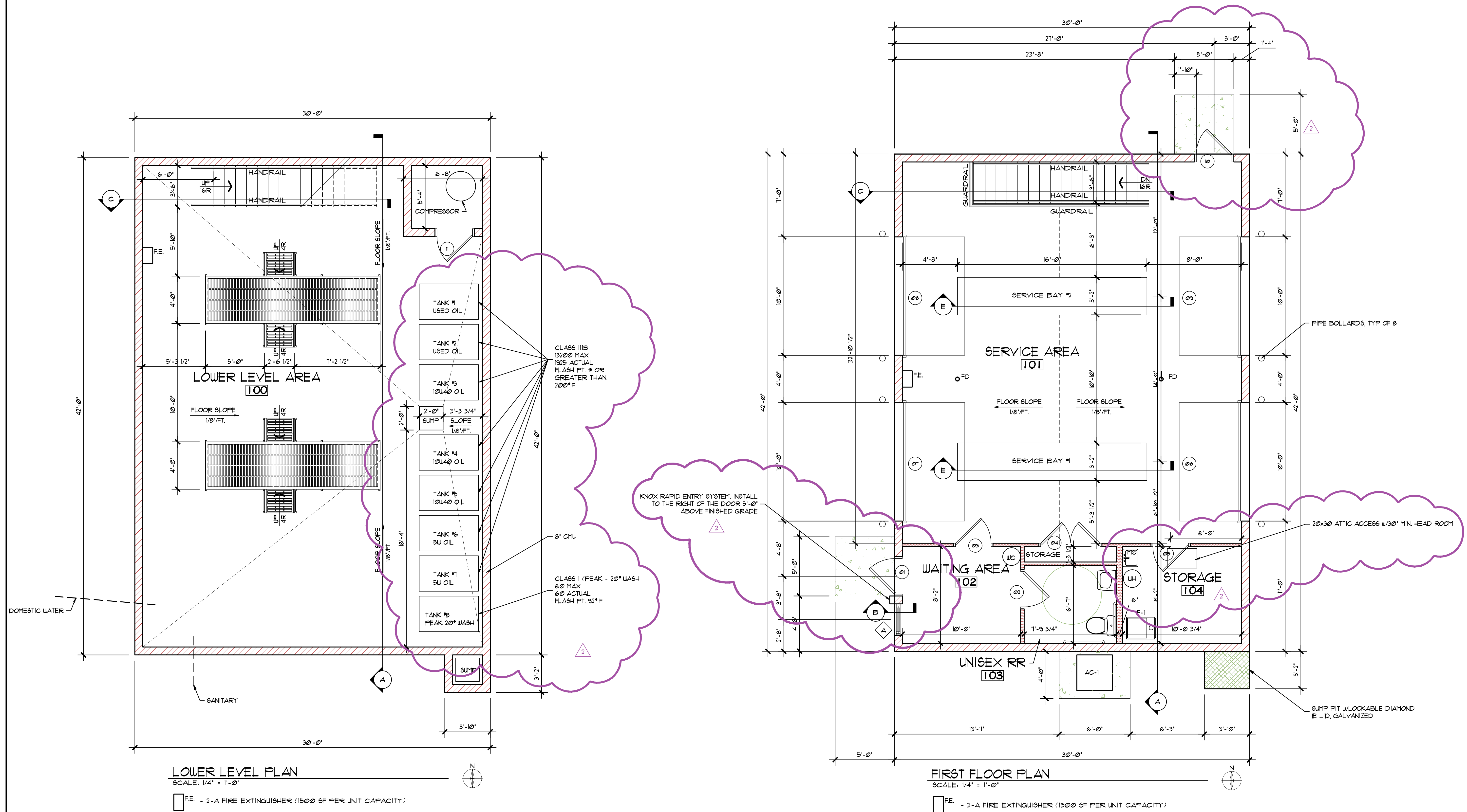
TITLE

FIRST & LOWER FLOOR PLANS

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SHEET NUMBER

A-1



LOWER LEVEL PLAN

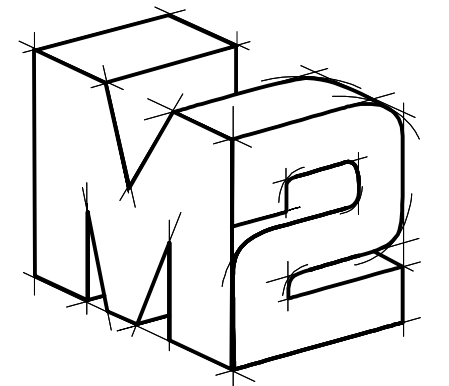
SCALE: 1/4" = 1'-0"

FE - 2-A FIRE EXTINGUISHER (1500 SF PER UNIT CAPACITY)

FIRST FLOOR PLAN

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

FE - 2-A FIRE EXTINGUISHER (1500 SF PER UNIT CAPACITY)



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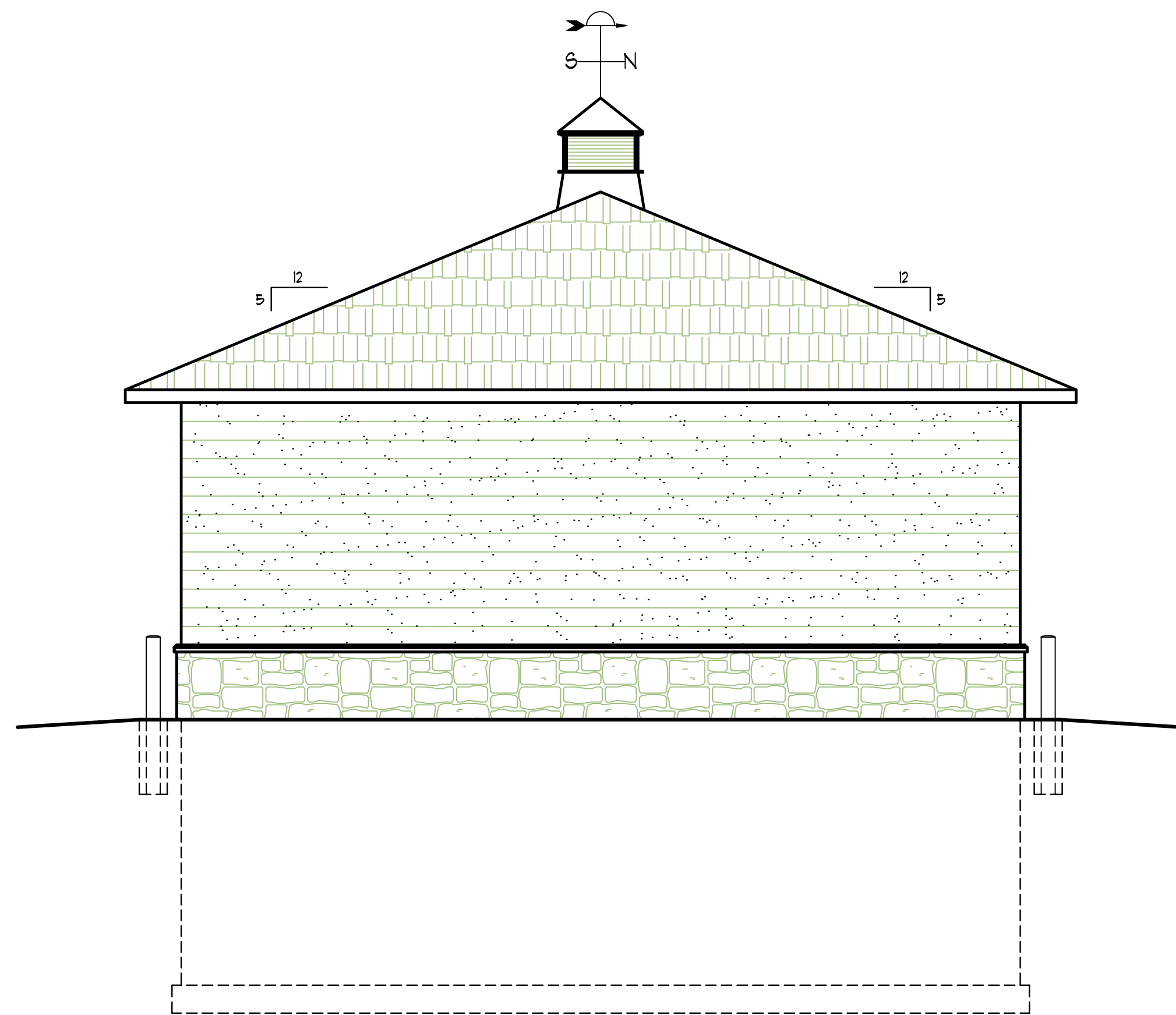
TITLE

ELEVATIONS

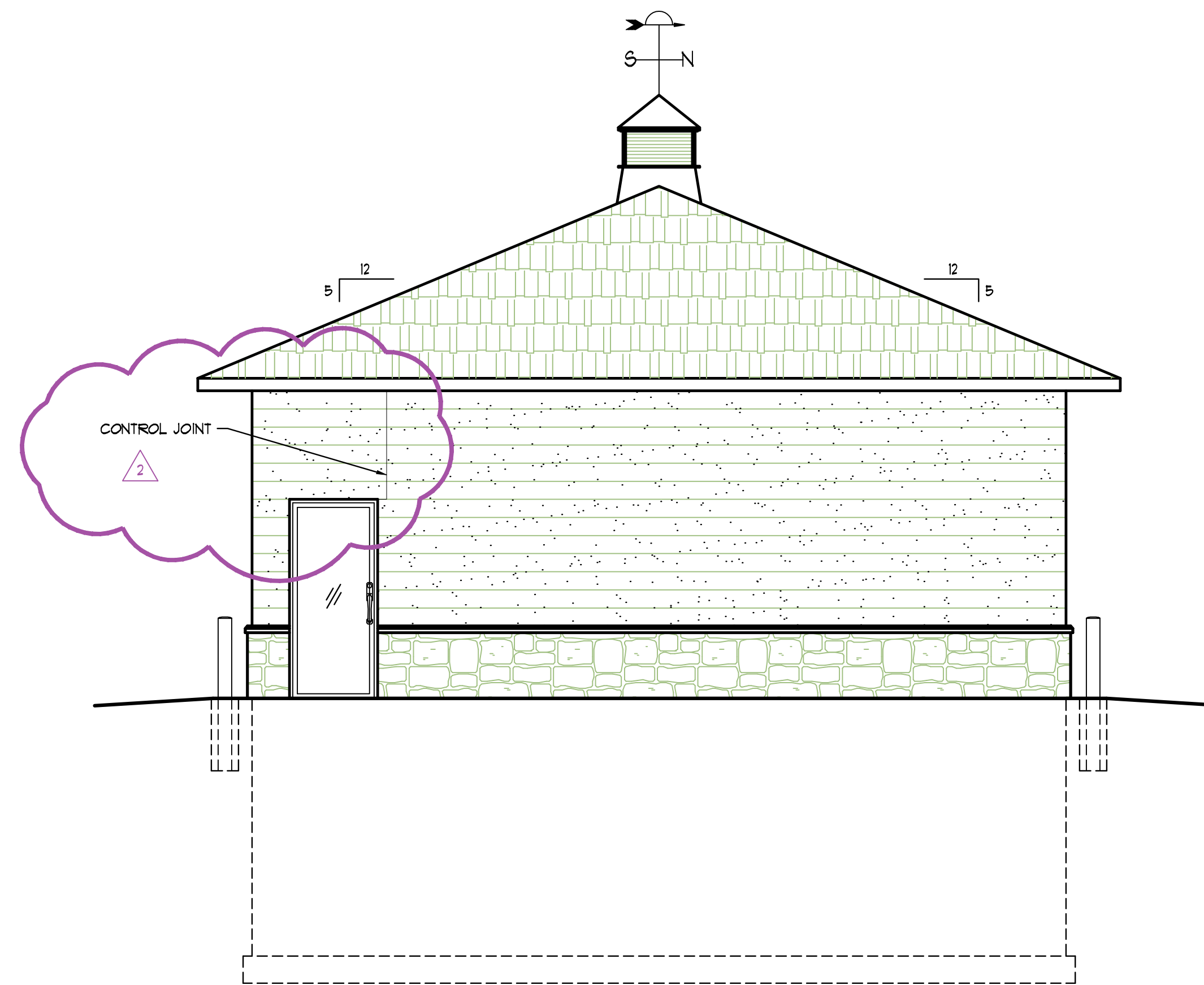
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SHEET NUMBER

A-2

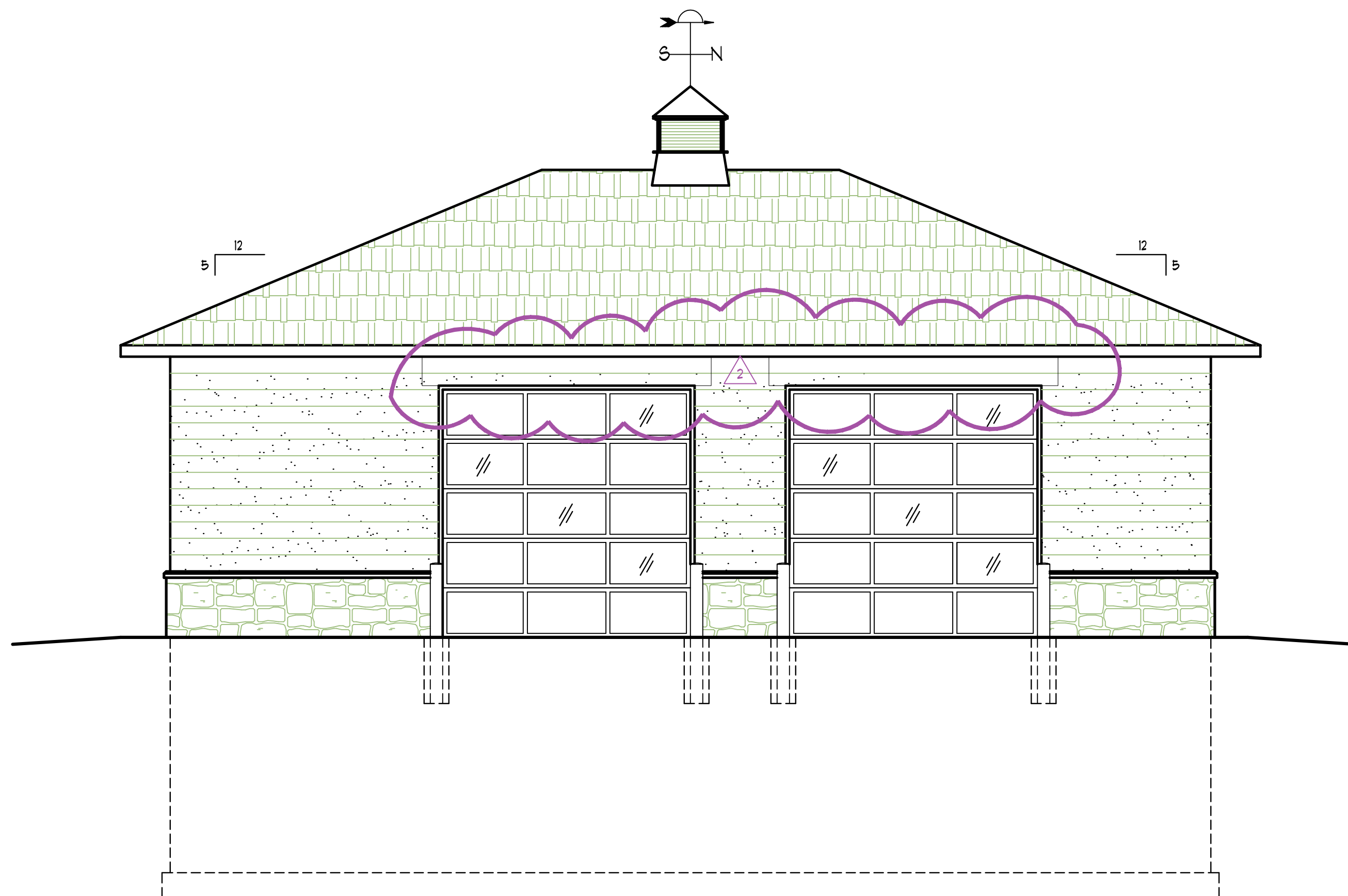


SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

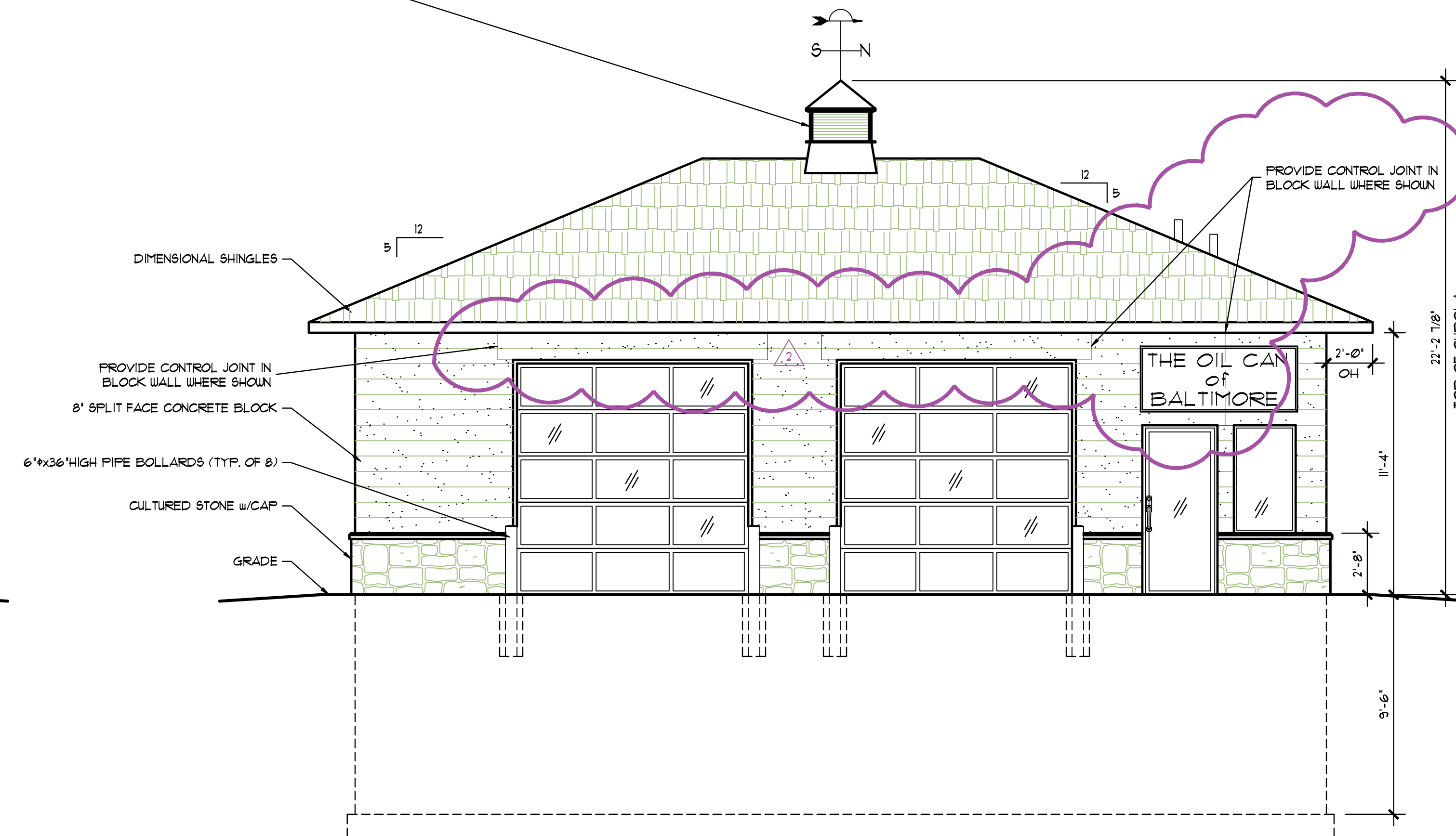


NORTH ELEVATION
SCALE: 1/4" = 1'-0"

3'-10" SQUARE FIBERGLASS CUPOLA & WEATHERVANE BY ARCHITECTURAL FIBERGLASS, INC. SEE MOUNTING DETAIL ON SHEET A-4



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



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

DIMENSIONAL SHINGLES

PROVIDE CONTROL JOINT IN BLOCK WALL WHERE SHOWN

8" SPLIT FACE CONCRETE BLOCK

6" x 36" HIGH PIPE BOLLARDS (TYP. OF 8)

CULTURED STONE w/CAP

GRADE

PROVIDE CONTROL JOINT IN BLOCK WALL WHERE SHOWN

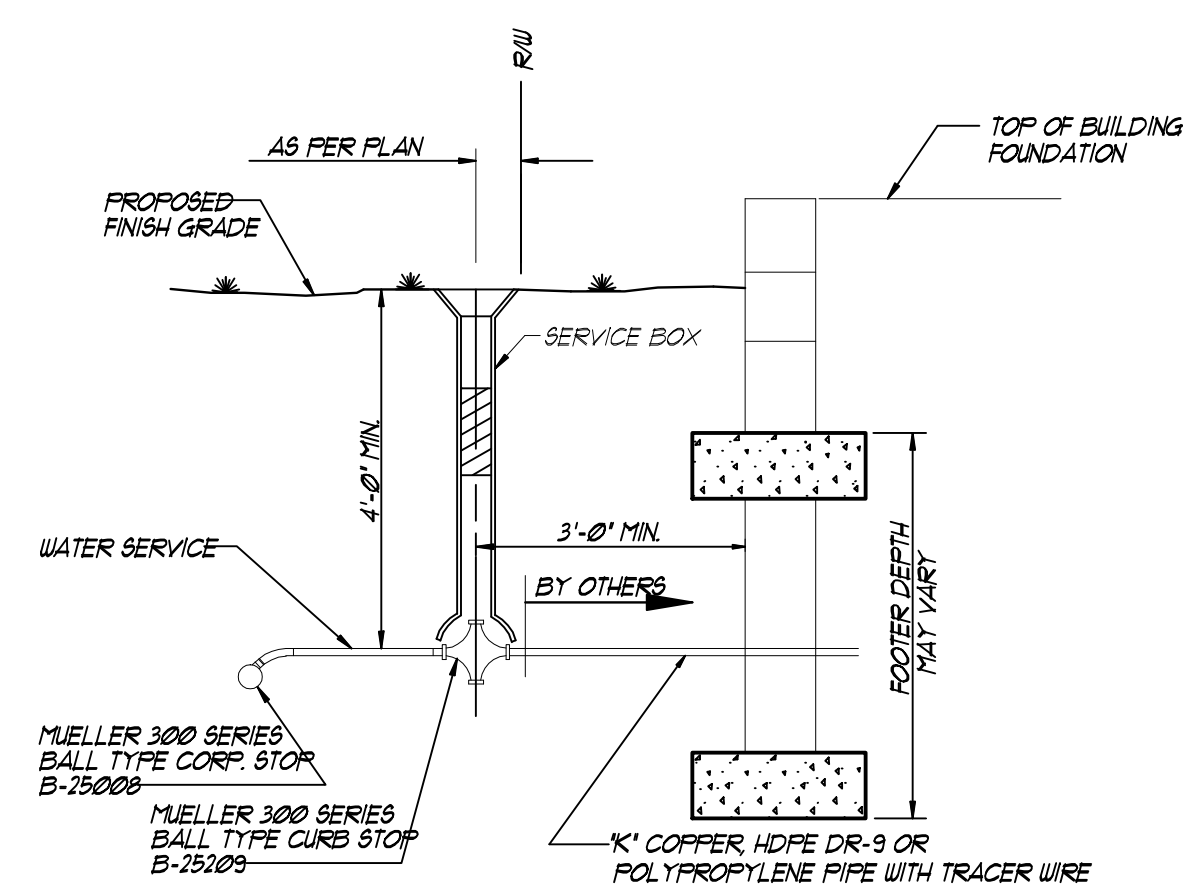
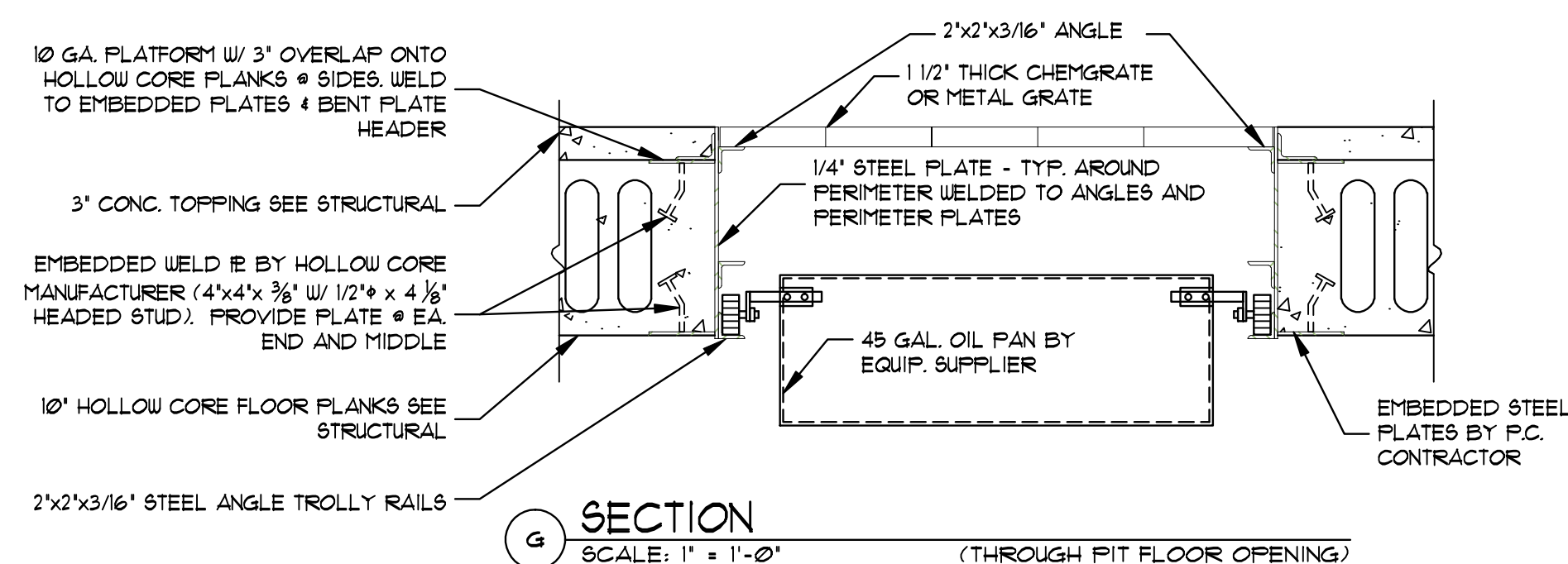
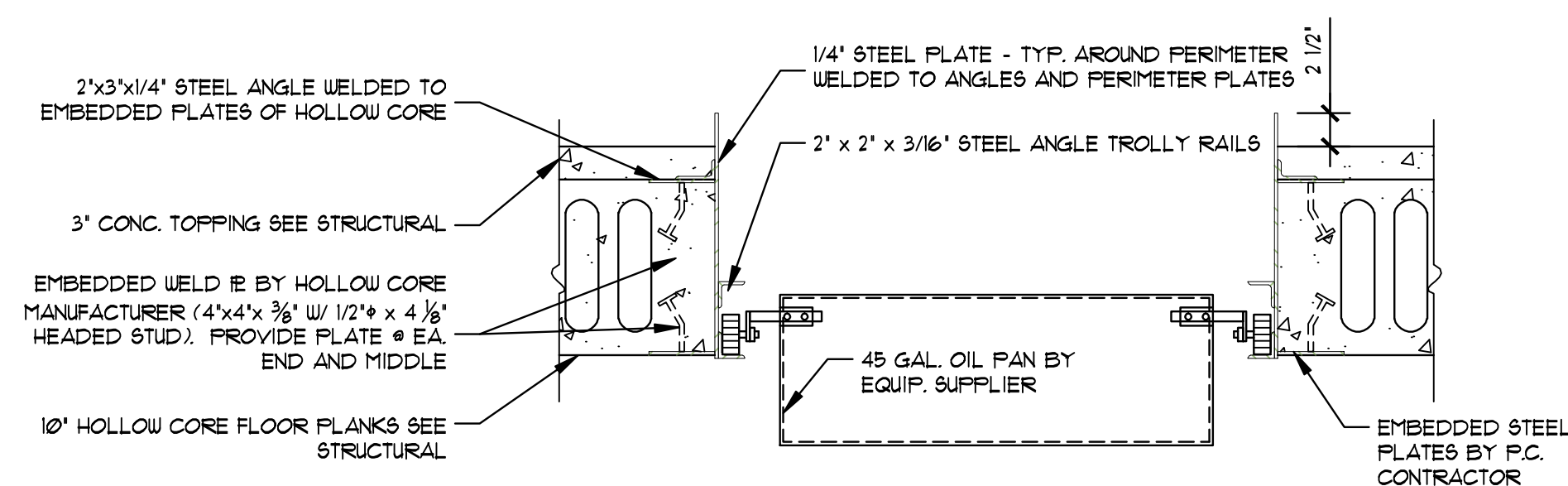
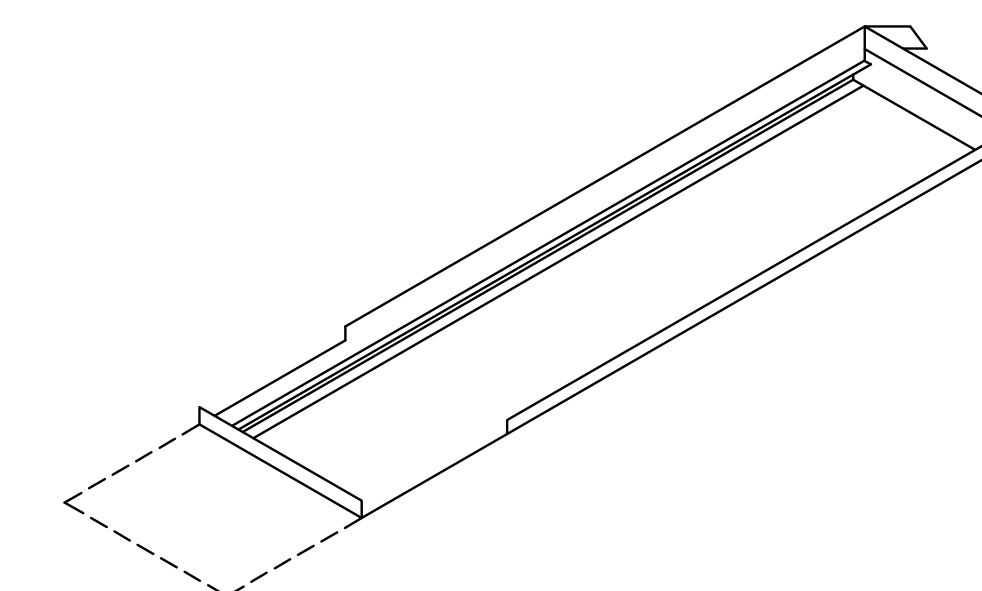
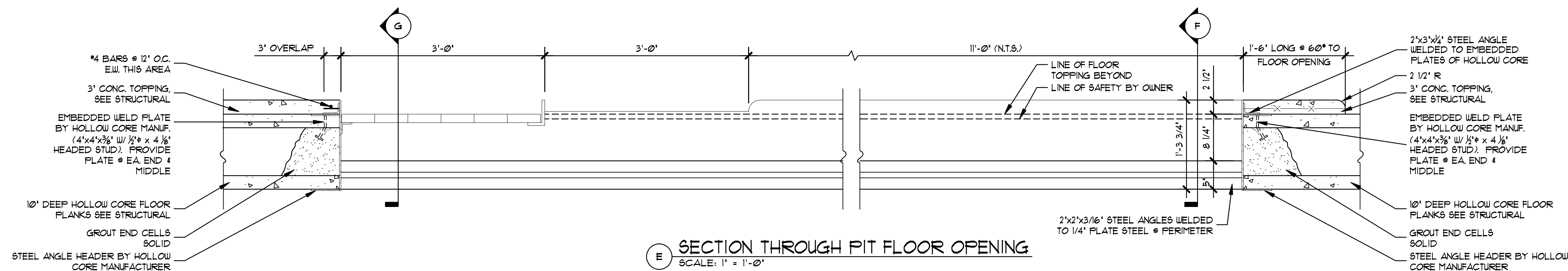
TOP OF CUPOLA

22'-2 7/8"

11'-4"

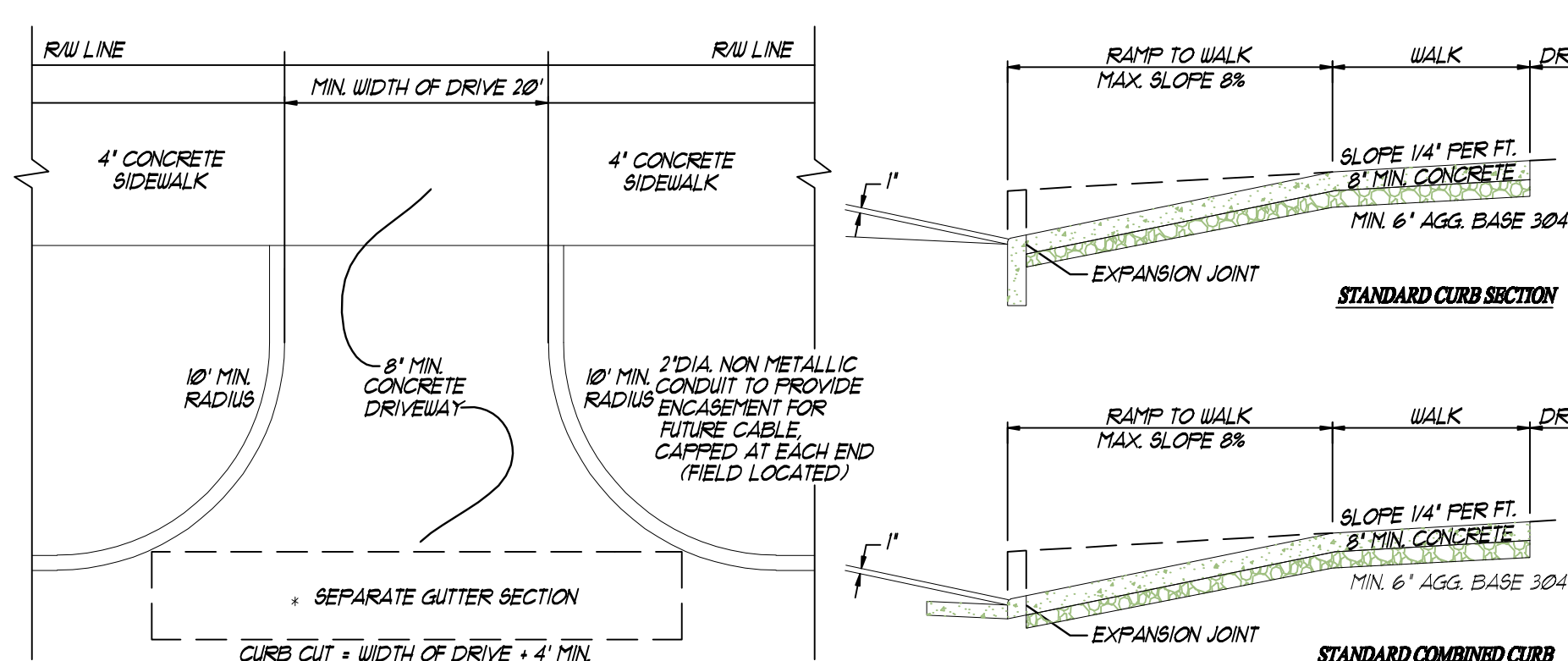
2'-8"

9'-6"



NOTE: MUELLER PATTERN TYPE CURB STOP OR EQUAL WITH STEM AND BOX (2" LESS) HEAVY DUTY BUFFALO TYPE CURB BOX (LARGER THAN 2")

TYPICAL WATER SERVICE CONNECTION
SCALE: NTS
BALTIMORE STANDARD DWG.



* CURB OR COMBINED CURB AND GUTTER SHALL BE TAKEN OUT AND REPLACED WITH CONCRETE, SEPARATED FROM THE RAMP BY 1/2" PRECAST EXPANSION JOINT. WHEN LESS THAN 5' OF A CURB SECTION REMAINS AFTER THE CURB CUT IS LOCATED, IT SHALL ALSO BE REMOVED AND REPLACED.
FILLS & REQUIRED, SHALL BE OF EARTH, COMPACTED IN 2" LAYERS, OR OF ITEM 310 SUBBASE, COMPACTED IN LAYERS NOT EXCEEDING 4".
DRIVEWAYS AND SIDEWALKS SHALL BE CONSTRUCTED AS SHOWN IN DETAILS OF PLAIN PORTLAND CEMENT CONCRETE, ITEM 402, 5% TO 8% AIR ENTRAINED, CONTAINING 6 (SIX) BAGS OF CEMENT (CLG. SEC. 493) PER CY., AND 3" MAX. SLUMP.
EXPANSION JOINTS SHALL BE PLACED TO FORM UTILITY STRIPS WHERE REQUIRED, AND WHEREVER NEW CONCRETE TOUCHES EXISTING CONSTRUCTION FORMS SHALL CONSIST OF 100% 2" NOMINAL THICKNESS OR METAL OF EQUAL STRENGTH.
A STANDARD CURING COMPOUND SHALL BE PROPERLY APPLIED IMMEDIATELY AFTER FINISH.
ALTERNATE ASPHALT CONCRETE APPROACH INSTEAD OF PLAIN PORTLAND CEMENT CONCRETE THE PORTIONS OF THE DRIVEWAY OUTSIDE OF THE LIMITS OF THE SIDEWALK MAY BE CONSTRUCTED TO THESE MINIMUM REQUIREMENTS (TO BE USED ON UNCURBED STREETS ONLY) (RESIDENTIAL USE ONLY)
4" AGGREGATE BASE, ITEM 304
2" HOT MIXED, HOT LAID ASPHALT CONCRETE, ITEM 402
2" HOT MIXED, HOT LAID ASPHALT CONCRETE, ITEM 404
NOTE: ALTERNATE ASPHALT CONCRETE APPROACH SHALL NOT BE USED ON A CURBED STREET.
ITEM NUMBERS REFER TO STANDARD SPECIFICATIONS AND ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE SPECIFICATIONS.
NOTIFY THIS OFFICE WHEN FORMS WILL BE READY FOR INSPECTION, AT LEAST 24 HOURS BEFORE CONCRETE IS TO BE PLACED.
IN NO CASE SHALL CONCRETE BE PLACED WITHOUT APPROVAL OF FORM WORK BY THE INSPECTOR.
* CURB SHALL BE CONSTRUCTED IN MINIMUM 5' SECTIONS AND MAXIMUM 10' SECTIONS.
NO CONCRETE SHALL BE PLACED UNTIL TEMPERATURE IS 39°F. MIN. CONCRETE SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 481061 OF ITEM 401.

STANDARD DRIVEWAY (COMMERCIAL) ON PUBLIC R/W REF. RD-09A-01
SCALE: NTS
BALTIMORE STANDARD DWG.

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PROJECT

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BALTIMORE
600 N. MAIN STREET
BALTIMORE, OHIO

BUILDER

PROJECT NO. 08-0036

DRAWN JCW/MS

CHECKED RUM

REVISIONS

CONSTRUCTION SET

DATE

March 6, 2008

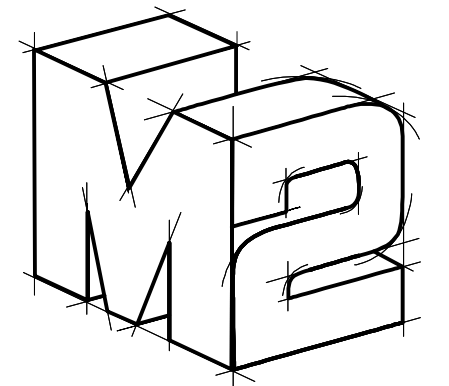
TITLE

SECTIONS
& DETAILS

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SHEET NUMBER

A-4



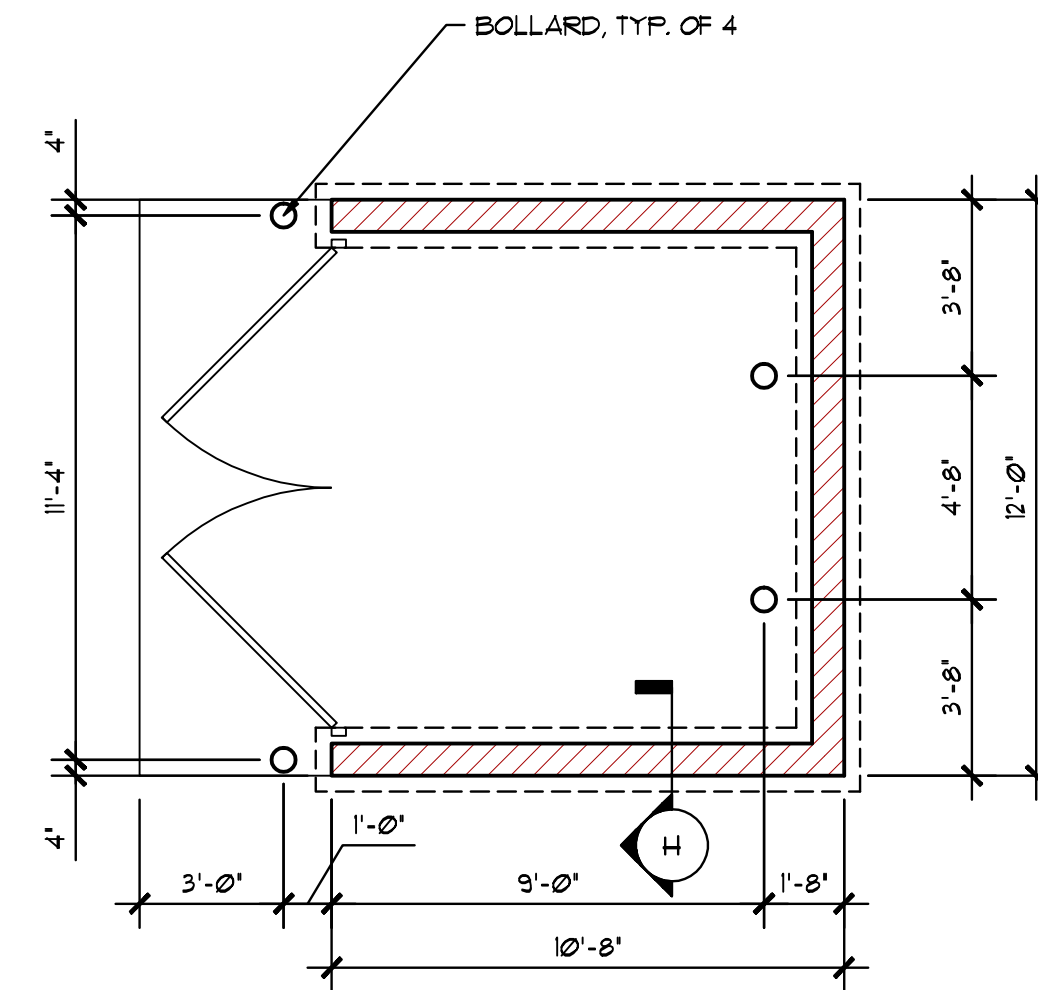
**DESIGN
GROUP**

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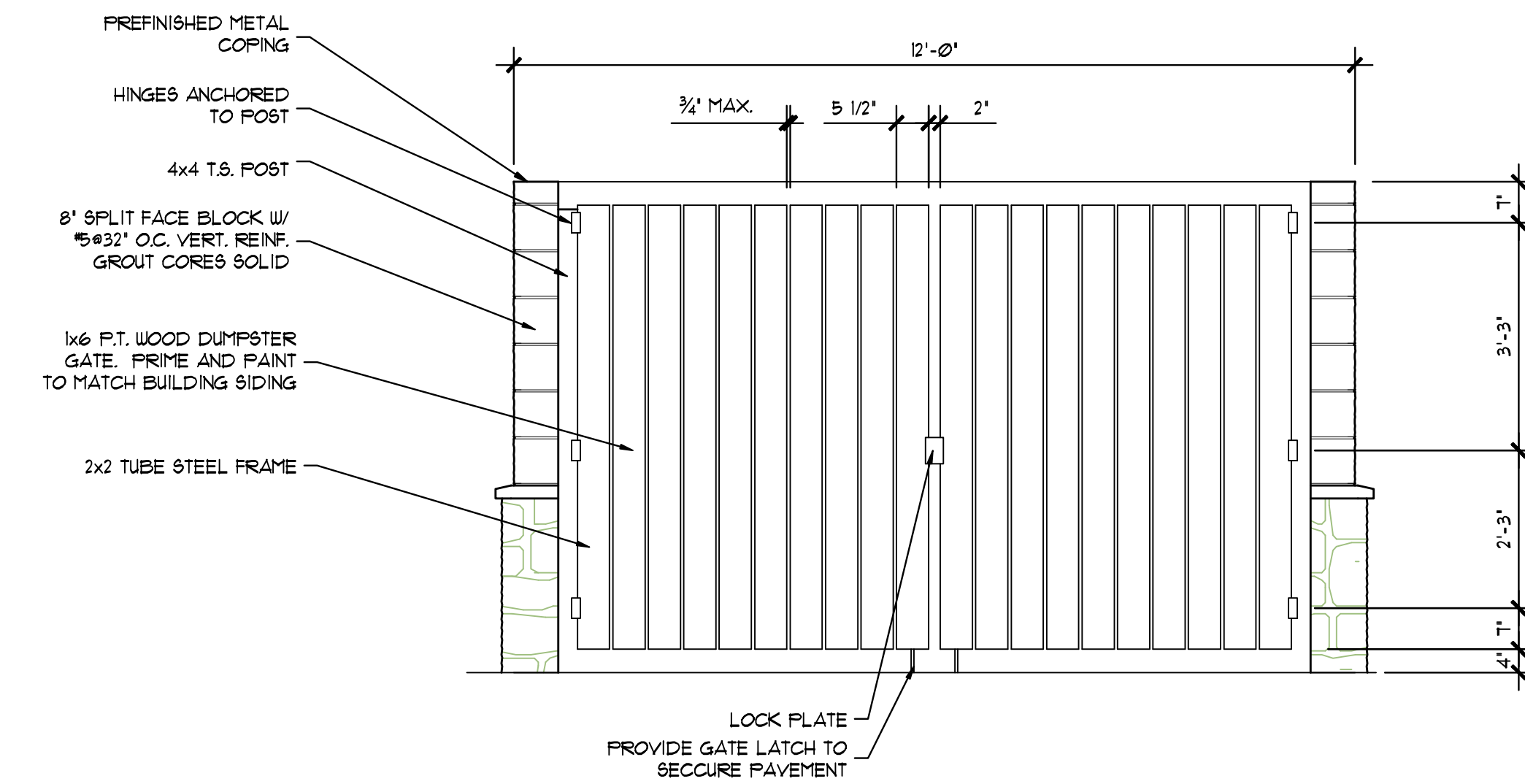
PROJECT

THE OIL CAN, LLC
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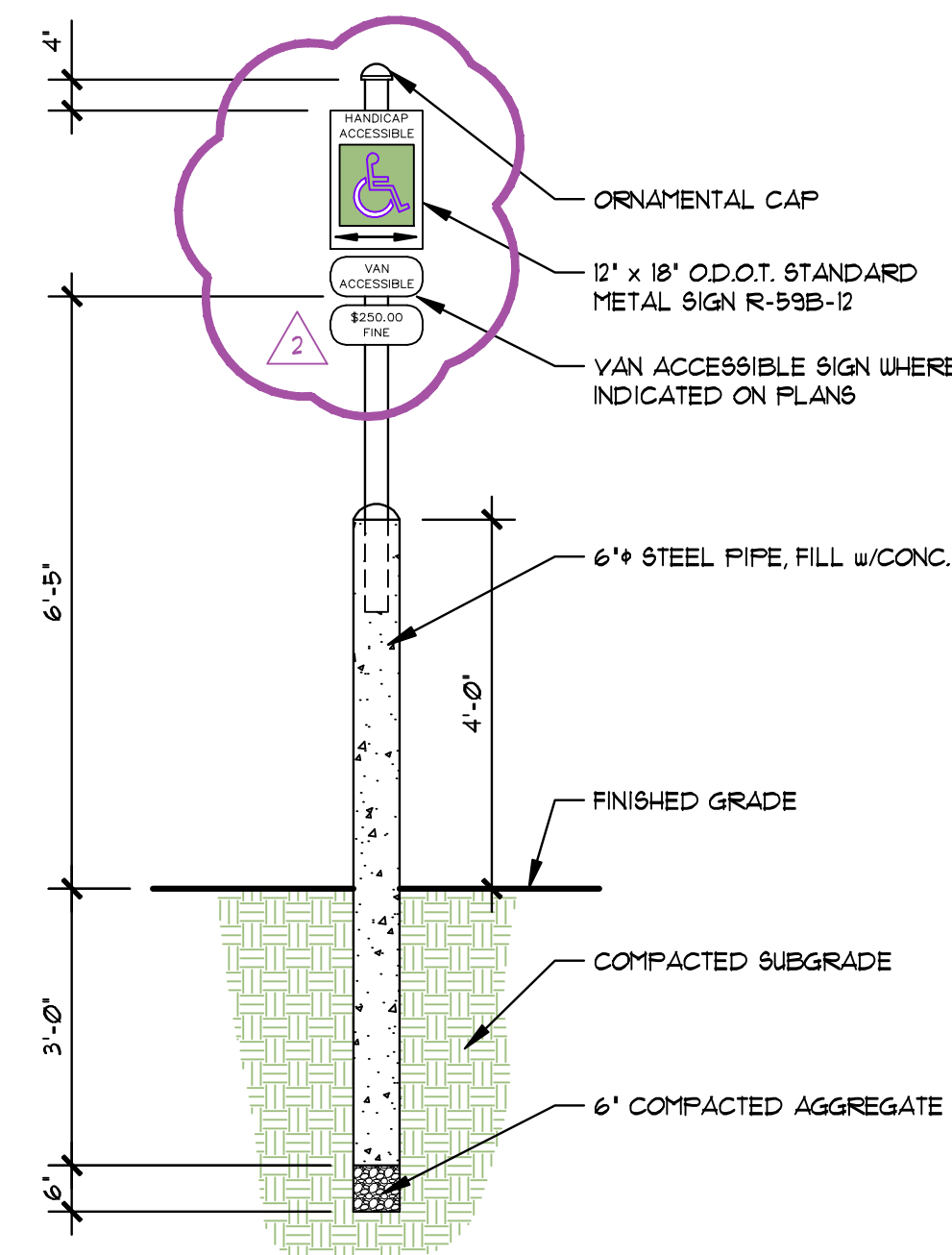
BUILDER



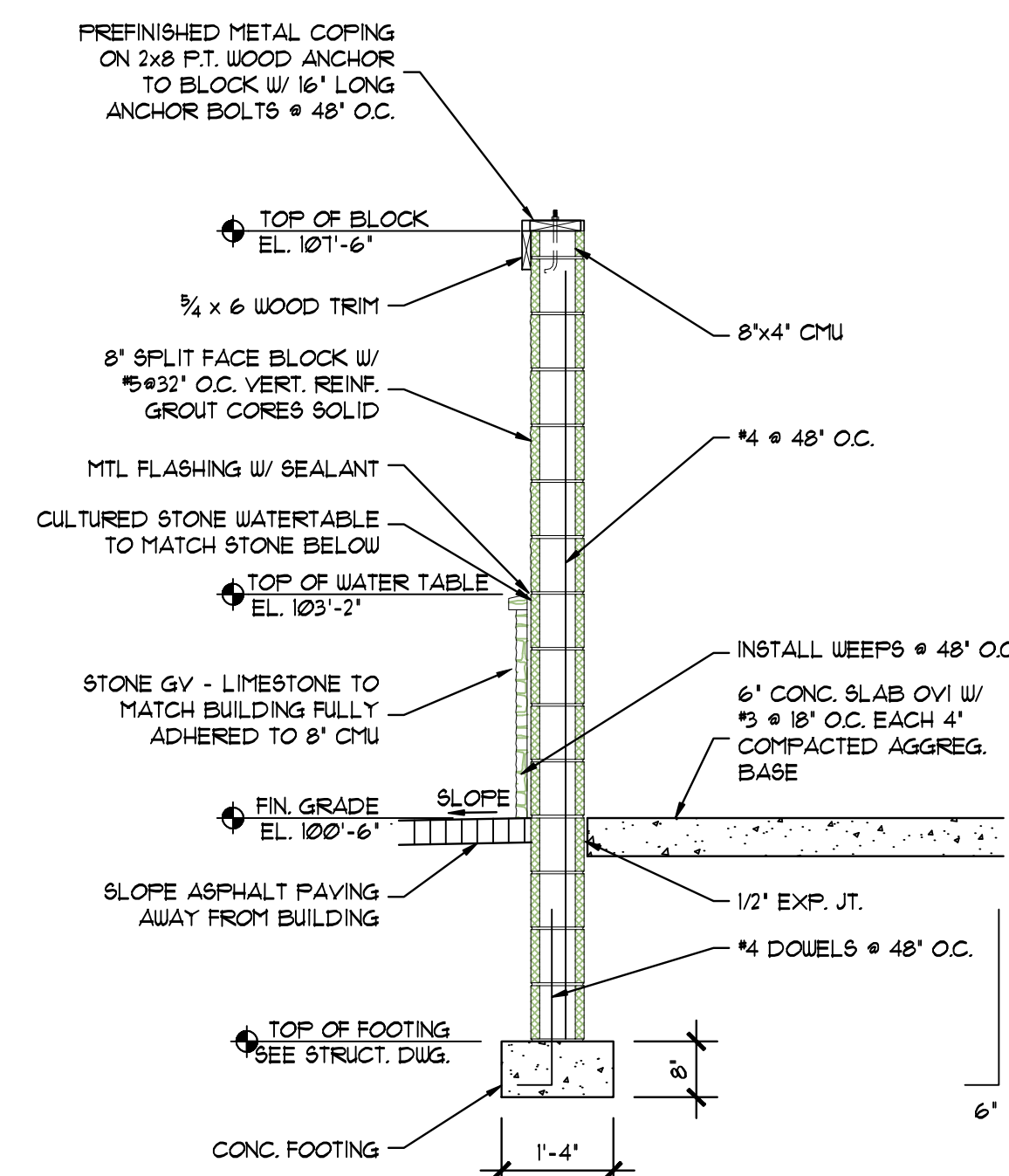
DUMPSTER PLAN
 SCALE: 1/4" = 1'-0"



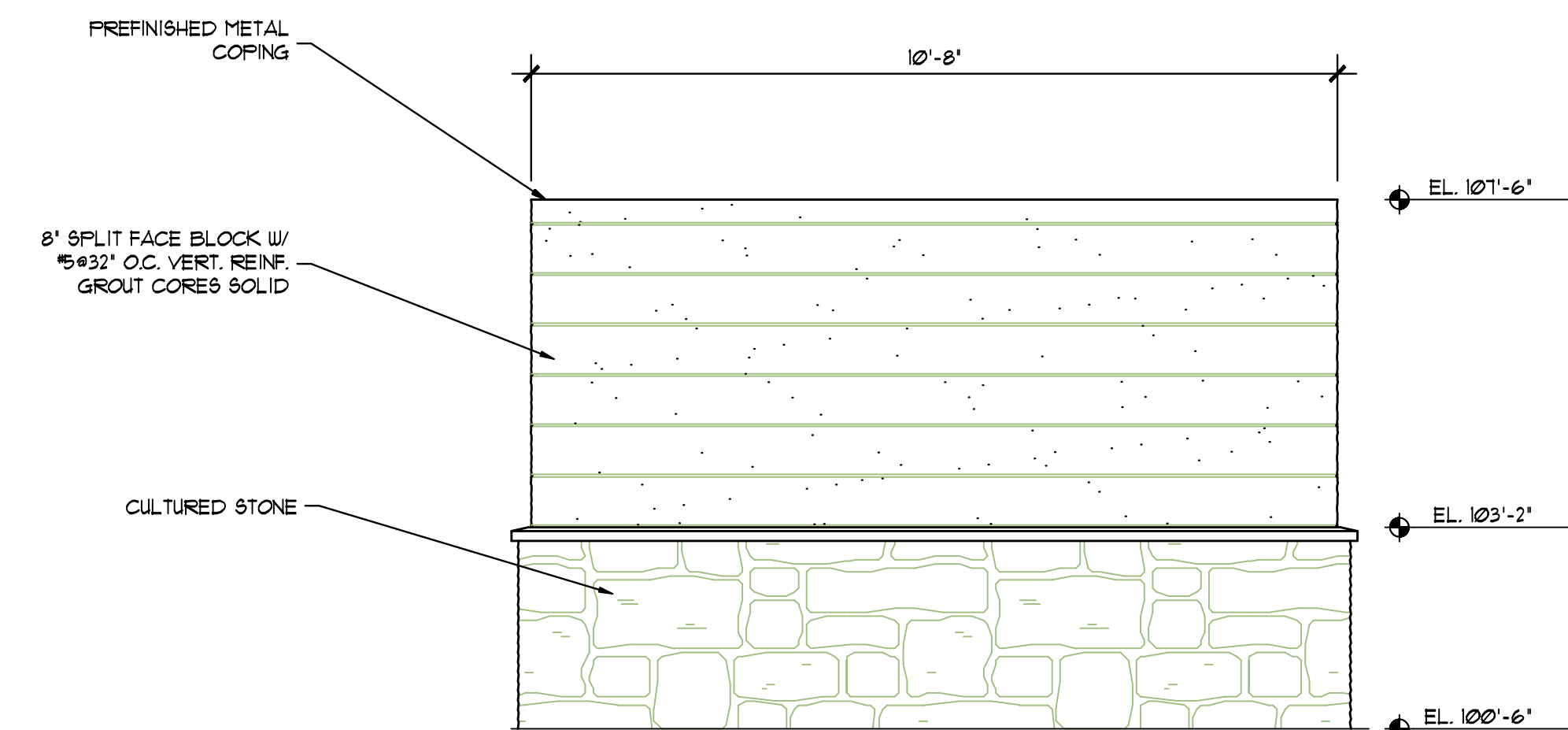
ELEVATION @ DOORS
 SCALE: 1/2" = 1'-0"



BOLLARD DETAIL
 SCALE: 1/2" = 1'-0"



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



TYP. SIDE ELEVATION (REAR SIMILIAR)
 SCALE: 1/2" = 1'-0"

PROJECT NO. 08-0036

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REVISIONS
 6/3/08 ADJUD. LETTER #2 DATED 4/16/08

CONSTRUCTION SET

DATE

March 6, 2008

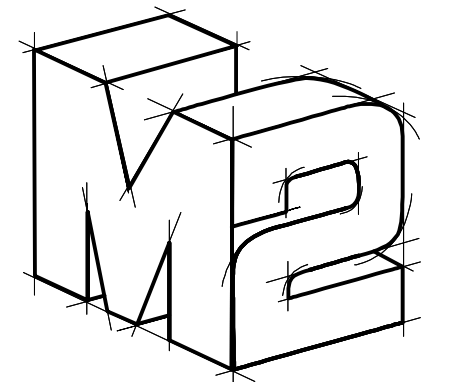
TITLE

**DUMPSTER PLAN
& DETAILS**

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SHEET NUMBER

A-5



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REVISIONS 6/3/08 ADJUD. LETTER # DATED 4/16/08

CONSTRUCTION SET

DATE

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TITLE

SCHEDULES

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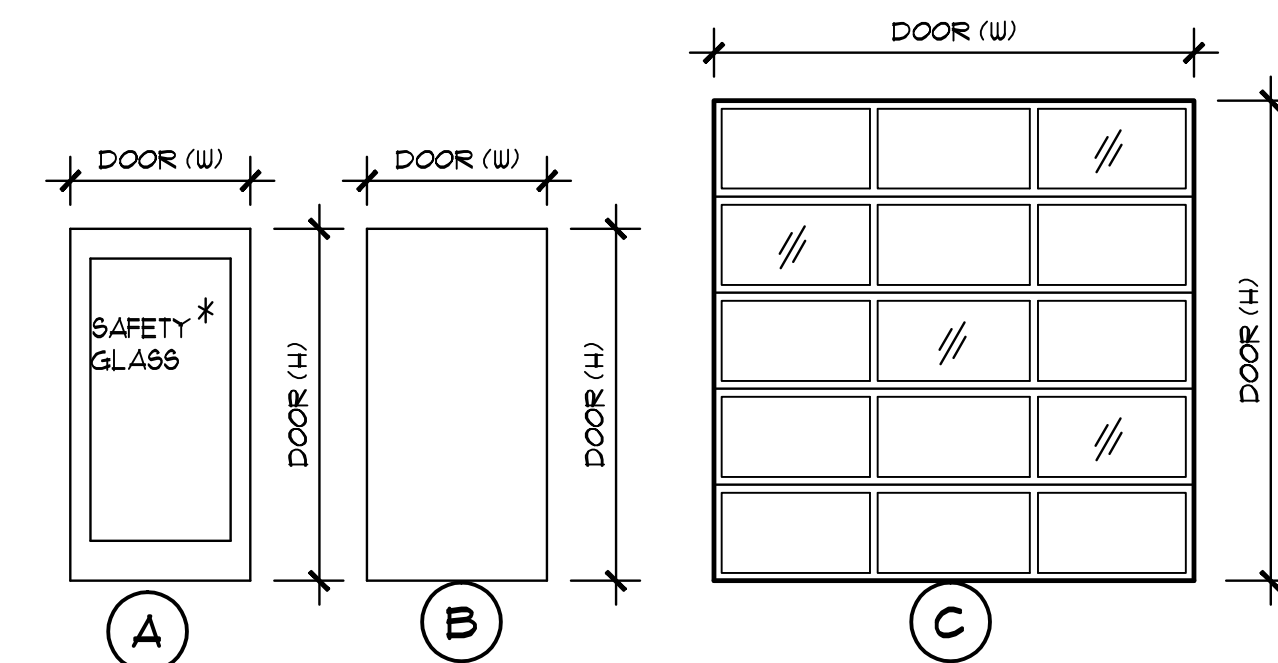
SHEET NUMBER

A-6

WINDOW SCHEDULE

MARK	WINDOW CALL OUT
A	3256 FIXED

SEE WINDOW SUPPLIER FOR R/O DIMENSIONS



DOOR TYPES
 SCALE: NTS

LEGEND
 * ALL GLAZING SHALL CARRY SAME FIRE RATING AS THE WALL ITS DOOR IS ON.

CLOSURES
 C-1 DORMA MODEL 8600 SERIES SURFACE APPLIED DOOR CLOSURE

STOPS
 S-1 ACCENT MODEL 24F FLOOR MOUNTED DOME STOP
 S-2 WALL MOUNTED STOP

FRAME
 1 ALUM STOREFRONT
 2 METAL JAMB

DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	THICKNESS	CONSTRUCTION	HINGES	LOCKSET	CLOSER	FRAME	STOPS	REMARKS
01	3'-0"x1'-0"	A	1 3/4"	A	H-2	L-4	C-1	1	S-1	
02	3'-0"x6'-8"	B	1 3/4"	B	H-1	L-3	C-1	1	S-1	
03	3'-0"x1'-0"	A	1 3/4"	A	H-2	L-4	C-1	1	S-1	
04	2'-2'-6"x6'-8"	B	1 3/4"	C	H-1	L-1	-	2	-	
05	3'-0"x6'-8"	B	1 3/4"	C	H-1	L-1	-	2	-	
06	10'-0"x10'-0"	C	1 3/4"	A	-	L-7	-	1	-	GLASS OVERHEAD DOOR
07	10'-0"x10'-0"	C	1 3/4"	A	-	L-7	-	1	-	GLASS OVERHEAD DOOR
08	10'-0"x10'-0"	C	1 3/4"	A	-	L-7	-	1	-	GLASS OVERHEAD DOOR
09	10'-0"x10'-0"	C	1 3/4"	A	-	L-7	-	1	-	GLASS OVERHEAD DOOR
10	3'-0"x1'-0"	A	1 3/4"	A	H-2	L-4	C-1	1	S-1	
11	3'-0"x6'-8"	B	1 3/4"	C	H-1	L-2	-	2	-	

GENERAL NOTES

- DOOR HARDWARE TO COMPLY WITH ADA REQUIREMENTS
- ALL DOOR FRAMES SHALL BE PROVIDED AND INSTALLED TO BE NO LESS FIRE RATING THAN THE RATING OF THE DOOR INSTALLED.
- ALL SIDELIGHT GLASS SHALL BE SAFETY GLASS
- DOOR THRESHOLDS TO BE NO MORE THAN 1/2"
- EGRESS DOORS SHALL BE READILY OPENABLE FROM EGRESS SIDE WITHOUT THE USE OF KEY OR DEVICE

CONSTRUCTION TYPE
 A - ALUMINUM
 B - WOOD
 C - HM

HINGE, LOCKSET, CLOSER & STOP TYPES

HINGES
 H-1 MCKINNEY MODEL TA-TB2114 STEEL OR APPROVED EQUAL
 H-2 ALUM. STOREFRONT

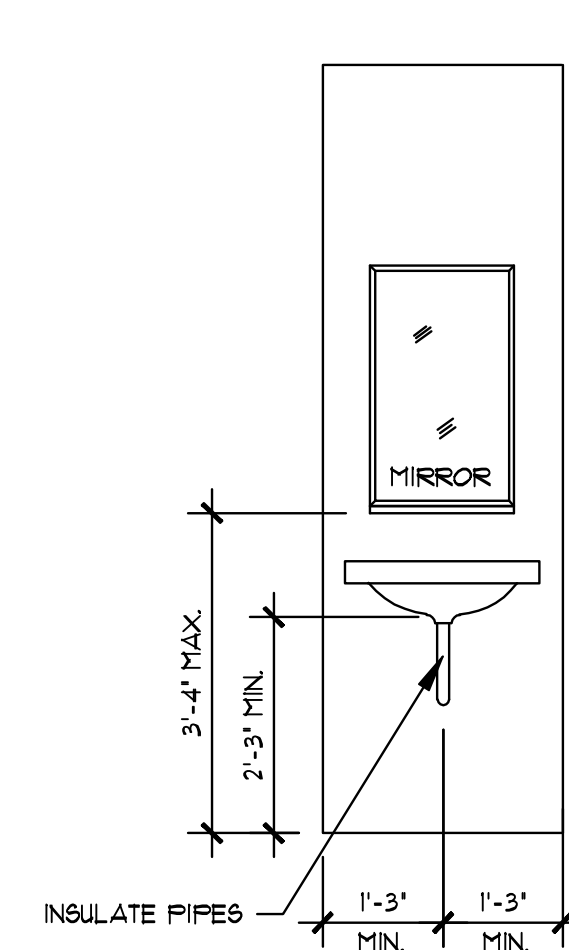
LOCKSETS
 L-1 SCHLAGE STOREFRONT AL80PD. OUTSIDE LEVER FIXED. ENTRANCE BY KEY ONLY. INSIDE LEVER ALWAYS UNLOCKED.
 L-2 SCHLAGE PASSAGE AL105. BOTH LEVERS ALWAYS UNLOCKED.
 L-3 BATHROOM LOCK AL405. PUSH BUTTON LOCKING. CAN BE OPENED FROM OUTSIDE W/ SMALL SCREWDRIVER. TURNING INSIDE LEVER OR CLOSING DOOR RELEASES BUTTON.
 L-4 ALUM ENTRY, PUSH/PULL AND LOCK SET W/INTERIOR LEVER.
 L-5 PUSH BUTTON LOCKING. PUSH BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED WITH KEY OR BY ROTATING INSIDE LEVER
 L-6 POCKET DOOR TYPE FULL
 L-7 OVERHEAD DOOR INTERIOR LOCK ONLY

ROOM FINISH SCHEDULE

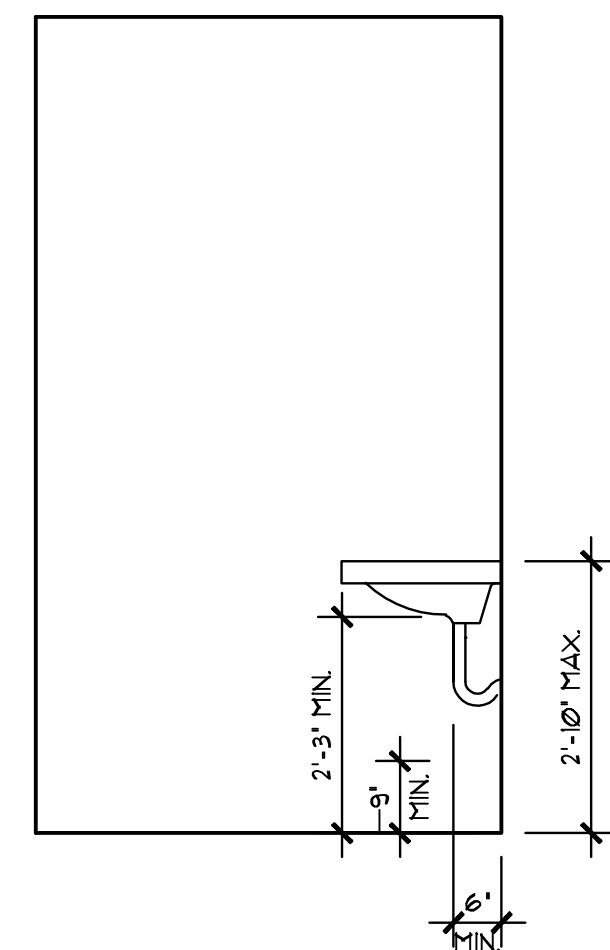
ROOM NO. XXX	DESIGNATION	FLOOR	BASE	WALLS	CEILING	REMARKS
100	LOWER LEVEL	E	-	J	O	EXPOSED H.C. CEILING
101	SERVICE AREA	E	-	J	F	
102	WAITING AREA	E	I	JK	F	
103	UNISEX RESTROOM	E	I	JK	F	
104	STORAGE ROOM	E	I	JK	F	

ROOM FINISH NOTES

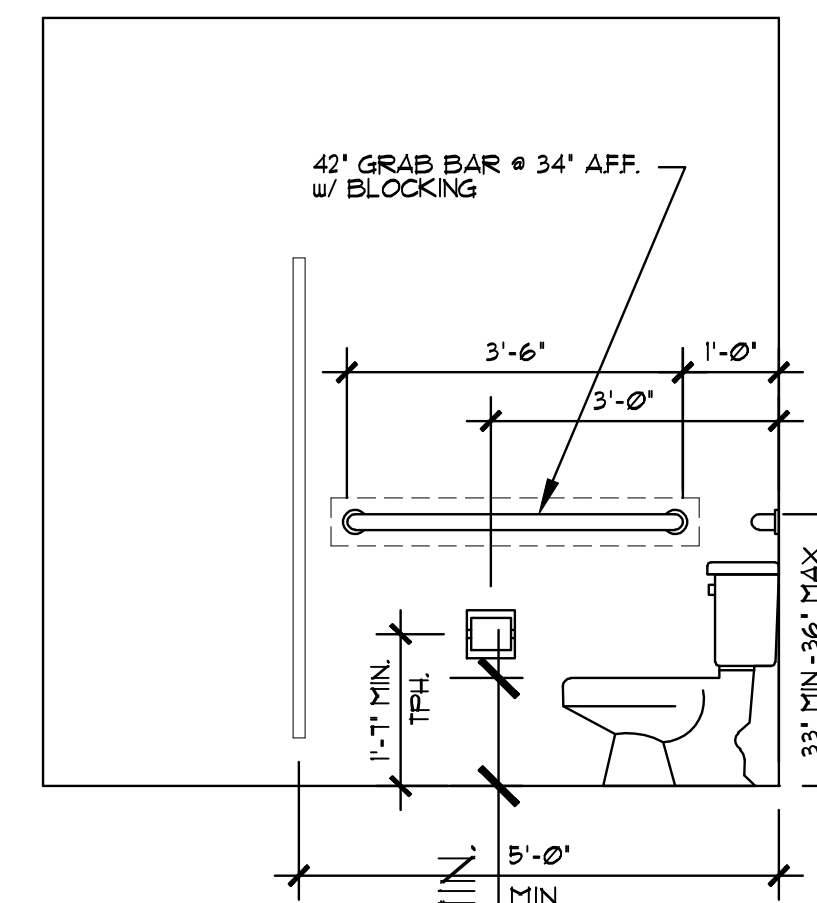
- FLOOR**
 A. WOOD FLOOR
 B. VCT TILE
 C. CERAMIC TILE
 D. CARPET
 E. CONCRETE (SEALED)
- BASE**
 F. QUARRY TILE
 G. CERAMIC TILE
 H. WOOD BASE TRIM
 I. 6" VINYL COVE BASE
- WALL**
 J. PAINTED MASONRY
 K. 1/2" GYP. BD. PAINTED
 L. CERAMIC TILE
 M. WAINSCOT TO 32" AFF.
- CEILING**
 N. ACOUSTICAL TILE
 O. EXPOSED CONSTRUCTION
 P. 1/2" GYP. BD. PAINTED
 Q. SMOOTH PLASTER FINISH ON
- REMARKS**
 S. PAINT MTL. DOOR FRAME
 T. STAIN DOOR BOTH SIDES
 U. PLASTIC LAMINATE COUNTER
 V. WOOD TRIM CAP @ 5'-0" AFF.
 W. LIGHT COVE
 X. NEW MATERIAL & COLORS TO MATCH EXISTING
- OTHERS**
 Y. RUBBER STAIR TREADS
 Z. LAY-IN CEILING GRID & TILE
 AA. CARPET BASE
 BB. SHEET VINYL
 CC. 6" VINYL BASE
 DD. FRP PANELS
 EE. PAINTED STAIR TREADS
 FF. VCT @ STAIR LANDING
 GG. CONCRETE PAVERS
 HH. VINYL SOFFIT MATERIAL
 II. EXPOSED WOOD CEILING
 JJ. ACID ETCHED CONCRETE



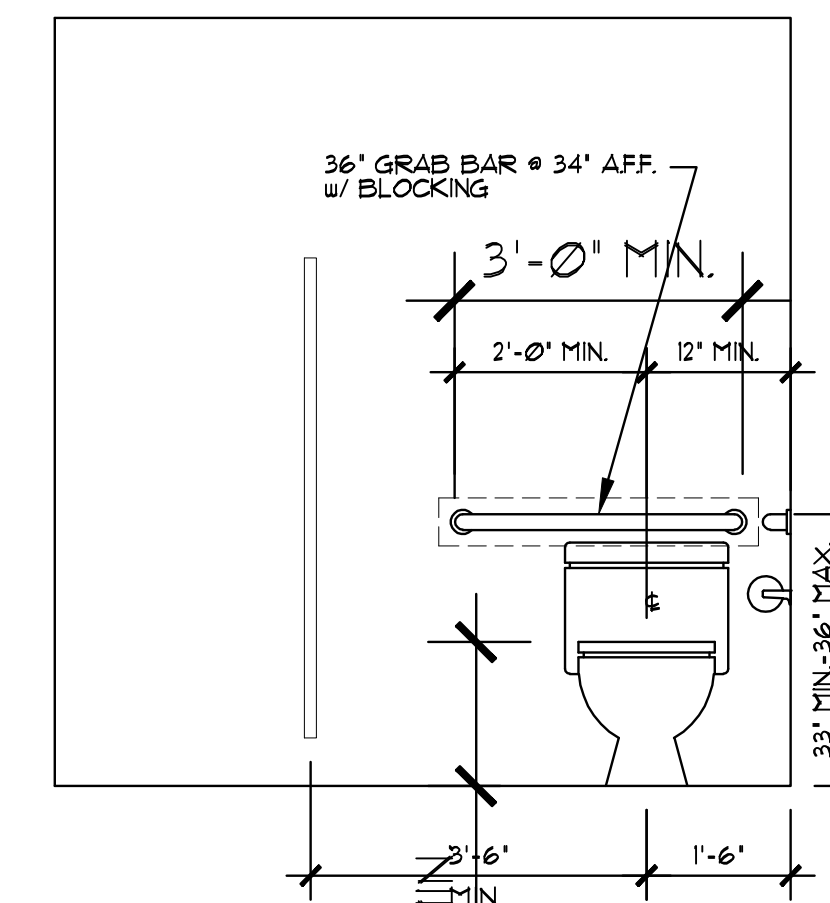
TYP. RR ELEVATION (ADA)
 SCALE: 1/2" = 1'-0"



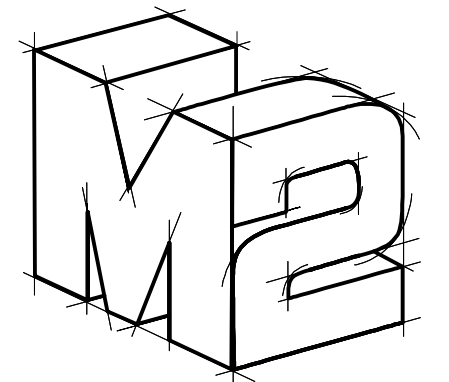
TYP. RR ELEVATION (ADA)
 SCALE: 1/2" = 1'-0"



TYP. RR ELEVATION (ADA)
 SCALE: 1/2" = 1'-0"



TYP. RR ELEVATION (ADA)
 SCALE: 1/2" = 1'-0"



DESIGN GROUP

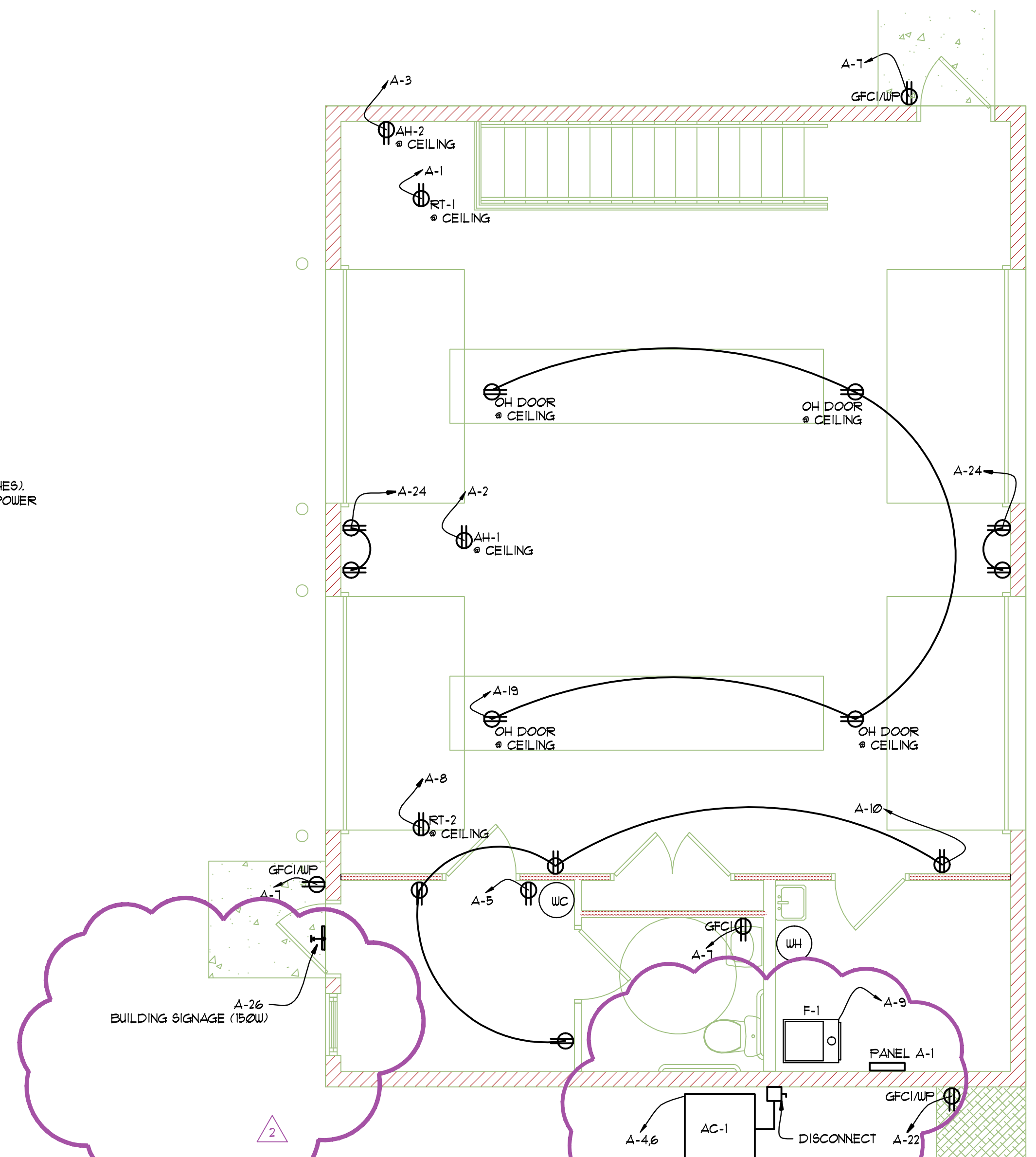
ELECTRICAL NOTES

1. ALL ELECTRICAL WIRING, EQUIPMENT, AND INSTALLATIONS SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. ALL BRANCH CIRCUITRY SHALL BE TYPE THHW, 100% COPPER, UNLESS STATED OTHERWISE ON THE PLANS.
3. ALL BRANCH CIRCUITS SHALL BE RUN IN THIN WALL CONDUIT WITH THE EXCEPTION OF WHERE CONDUCTORS ARE LOCATED IN A PERMANENT CONCEALED WALL, IN WHICH CASE TYPE MC MAY BE USED.
4. UNLESS NOTED OTHERWISE, LIGHT SWITCHES SHALL BE LOCATED 48" AFF. ELECTRIC AND COMMUNICATION SYSTEM OUTLETS SHALL BE LOCATED AT 18" AFF. BOTH DIMENSIONS ARE TO CENTER OF WORKBOX. THE HIGHEST CIRCUIT BREAKER SWITCH SHALL BE 84" (MAX) AFF. THERE SHALL BE CLEAR FLOOR SPACE IN FRONT OF ALL CONTROLS, CONVENIENCE RECEPTACLES, DISPENSERS AND OTHER OPERABLE EQUIPMENT THAT ALLOWS FORWARD OR PARALLEL APPROACH BY A WHEELCHAIR.
5. THE ELECTRICIAN SHALL CLEARLY LABEL CIRCUIT BREAKER SWITCHES THAT CONTROL SALES OFFICE LIGHTING CIRCUITS SO THAT EMPLOYEES EASILY UNDERSTAND WHICH BREAKER SWITCHES ARE TO BE TURNED ON AND OFF DURING SALES HOURS AND WHICH CIRCUIT ACTS AS THE NIGHT LIGHT. THEY SHALL ALSO LABEL WHICH BREAKERS TO TURN ON OR OFF OUTSIDE OF SALES HOURS IN ORDER TO PROVIDE AMBIENT LIGHTING FOR EMPLOYEES, YET REDUCES LIGHTING CURRENT BY ABOUT 50%.

- WP - INDICATES WEATHER PROTECTED. ALL EXTERIOR OUTLETS SHALL BE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTED.
- ELECTRICAL CONTRACTOR RESPONSIBLE FOR CONCRETE CUTTING AND TRENCHING.
- BULBS TO BE CLASS ONE, DIVISION 2, GROUP D FOR THE LOWER LEVEL AND SERVICE ROOM.

ELECTRIC LEGEND

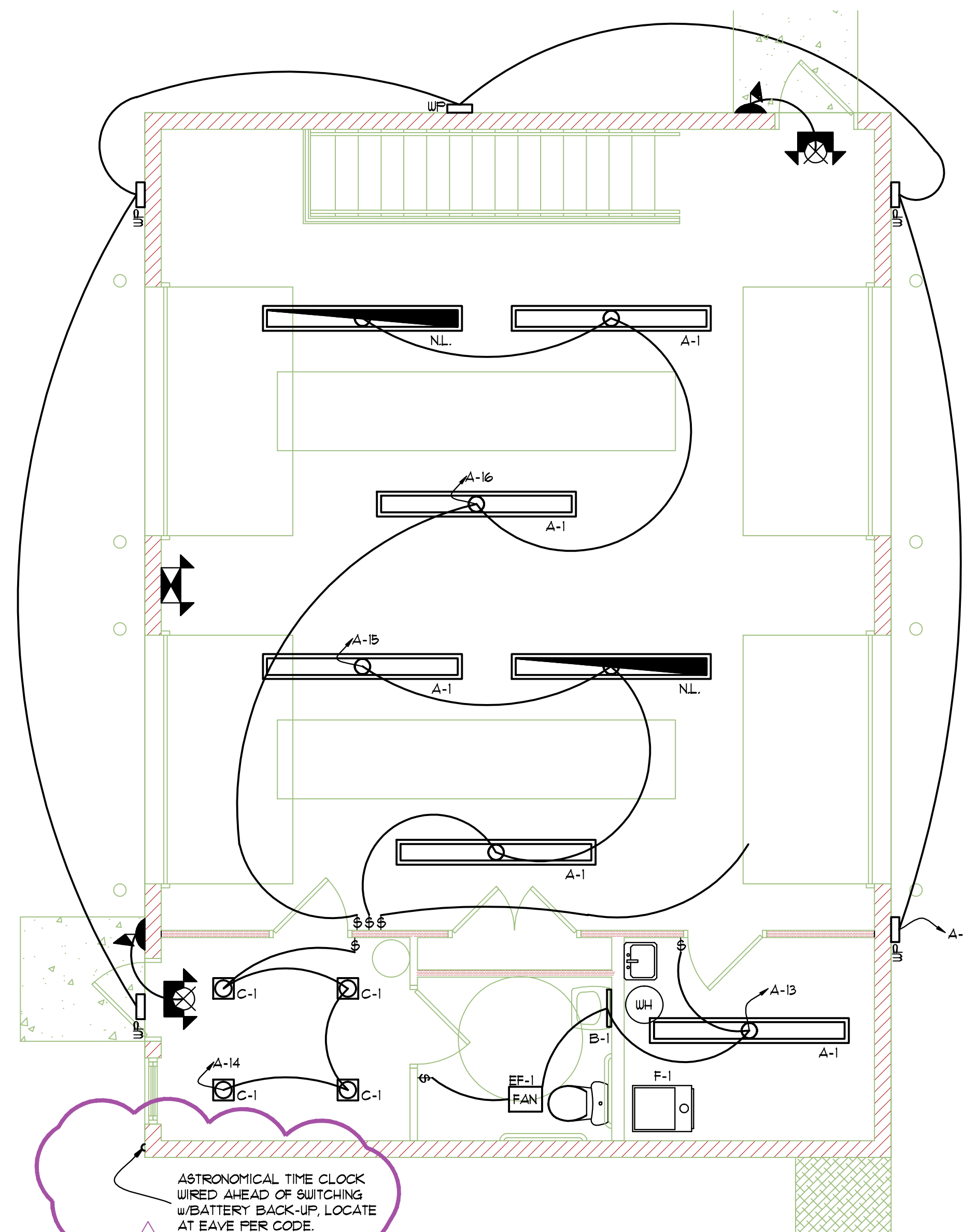
- A-1 8' TM95 (2) 2875, 5475HO LAMP8, 54 WATTS/LAMP, NO REFLECTOR, WHITE, MVOLT
- NL NIGHT LIGHT, SAME AS ABOVE. WIRE AHEAD OF ALL SWITCHES.
- A-2 4' TM95 (2) 2875, 5475HO LAMP8, 54 WATTS/LAMP, NO REFLECTOR, WHITE, MVOLT
- C-1 CAN LIGHT - WITH GE 25410 - EL23/R25/SW COMPACT FLUORESCENT LAMP (23 W PER BULB)
- B-1 BATHROOM LIGHT ABOVE LAV. (46W)
- FF-1 RESTROOM FAN 15 CFM
- WP WALL PACK, WEATHER PROOF (150W) HPS
- EXIT LIGHT/EMERGENCY LIGHT W/ BATTERY BACKUP (MUST BE AHEAD OF ALL SWITCHES). IF CONNECTED TO EXIT DISCHARGE LIGHT, UNIT MUST HAVE SUFFICIENT CAPACITY TO POWER BOTH FIXTURES. E.C. TO CONFIRM THIS CONDITION.
- REMOTE DISCHARGE LIGHT
- BATTERY POWERED EMERGENCY LIGHT, (MUST BE AHEAD OF ALL SWITCHES).
- ⊕ SINGLE POLE SWITCH
- ⊕ THREE POLE SWITCH
- ⊕ DIM THREE POLE SWITCH w/DIMMER SWITCH
- F 110V FLOOR RECEPT
- F 110V DUPLEX RECEPT
- GFCI 110V DUPLEX RECEPT ON GFCI CIRCUIT
- GFCI/UP 110V DUPLEX RECEPT ON GFCI CIRCUIT/WEATHER PROOF
- (P) PHONE OUTLET (C) COMPUTER OUTLET
- ⊕ CABLE OUTLET



FIRST FLOOR POWER PLAN

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

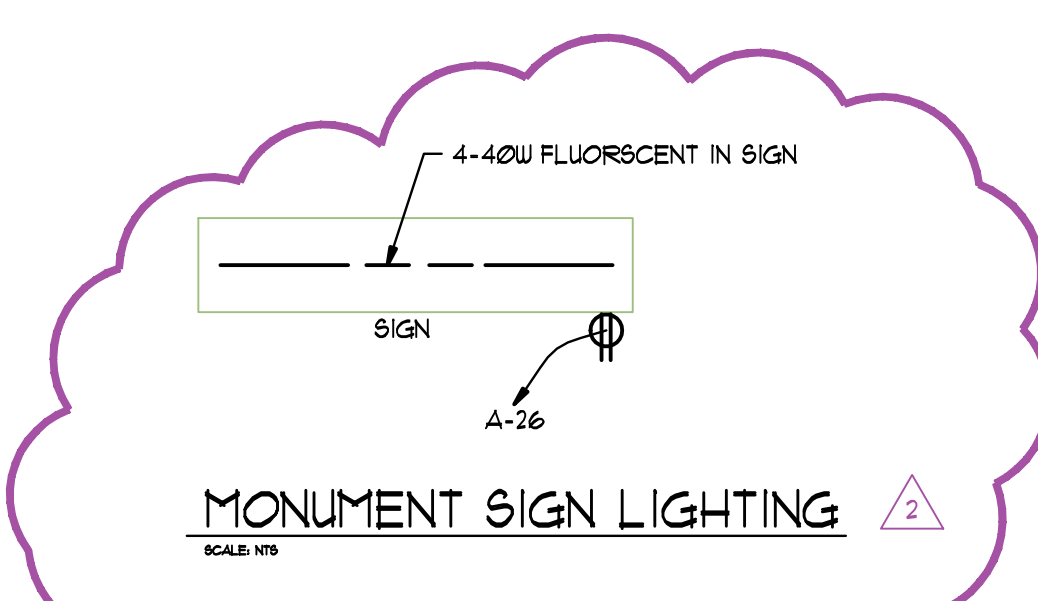
- OUTLETS TO BE 48" AFF. IN THE SERVICE AREA



FIRST FLOOR LIGHTING PLAN

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

- BULBS TO BE CLASS ONE, DIVISION 2, GROUP D FOR THE LOWER LEVEL AND SERVICE ROOM. - OUTLETS TO BE 48" MIN. OFF FINISH FLOOR.



MONUMENT SIGN LIGHTING

SCALE: NTS

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PROJECT

THE OIL CAN, LLC of BALTIMORE 600 N. MAIN STREET BALTIMORE, OHIO

BUILDER

PROJECT NO. 08-0036

DRAWN JCW/MS

CHECKED RUM

REVISIONS 6/3/08 ADJUD. LETTER #2 DATED 4/16/08

CONSTRUCTION SET

DATE

March 6, 2008

TITLE

FIRST FLOOR ELEC. PLAN

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SHEET NUMBER

E-1

GENERAL NOTES

- CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, PIPING, EQUIPMENT, ETC.
- CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND COOPERATION TO THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR COMPLETION AND COORDINATION OF THE COMPLETE PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT IN WHICH THIS CONTRACTOR INSTALLS. THIS INCLUDES ALL CONDENSERS, REFRIGERANT LINES, AND OTHER ITEMS FURNISHED BY OTHERS AS WELL AS THOSE FURNISHED BY THIS CONTRACTOR.
- ALL FLEXIBLE DUCTS SHALL BE SUPPORTED EVERY 3'-0" WITH 2" WIDE BANDS. MINIMUM ONE PER EACH SECTION OF FLEXIBLE DUCT. THE MAXIMUM ALLOWABLE LENGTH OF THE FLEX DUCT SHALL BE 8'-0" AND MAY NOT BE USED AS AN ELBOW.
- CONTRACTOR SHALL COORDINATE ALL DUCT AND DIFFUSER LOCATIONS WITH LIGHTING LAYOUTS AS REQUIRED.
- CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE DESIGNED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
- ALL SUPPLY DIFFUSERS AND RETURN GRILLES LOCATED IN THE SERVICE AND/OR DINING AREA SHALL BE PAINTED TO MATCH THE CEILING, FLOOR OR WALL, AS NEEDED, BY THE PAINTING CONTRACTOR.
- THERMOSTAT FOR NEW UNIT SHALL BE LOCATED GENERALLY AS SHOWN. EXACT LOCATIONS SHALL BE FIELD COORDINATED WITH OWNER TO AVOID INTERFERENCE WITH WALL MOUNTED WORK. IT SHALL BE PROGRAMMABLE AND FULLY COMPATIBLE WITH THE UNIT.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE FABRICATING DUCTWORK.
- CONTRACTOR SHALL FOLLOW ALL APPLICABLE STATE AND LOCAL CODES AND OBTAIN ALL PERMITS IN A TIMELY FASHION AS TO NOT DELAY THE JOB. CONTRACTOR IS REQUIRED TO SUBMIT 'AS BUILT' DRAWING PRIOR TO FINAL PAYMENT.

CODED NOTES

- ① EXHAUST TERMINUS TO PENETRATE TO EXTERIOR, BE DAMPERED AND SCREENED TO PROTECT FROM VERMIN. PENETRATION TO BE SEALED W/ONE HR. RATED MATERIAL.

MECHANICAL EQUIPMENT SCHEDULE

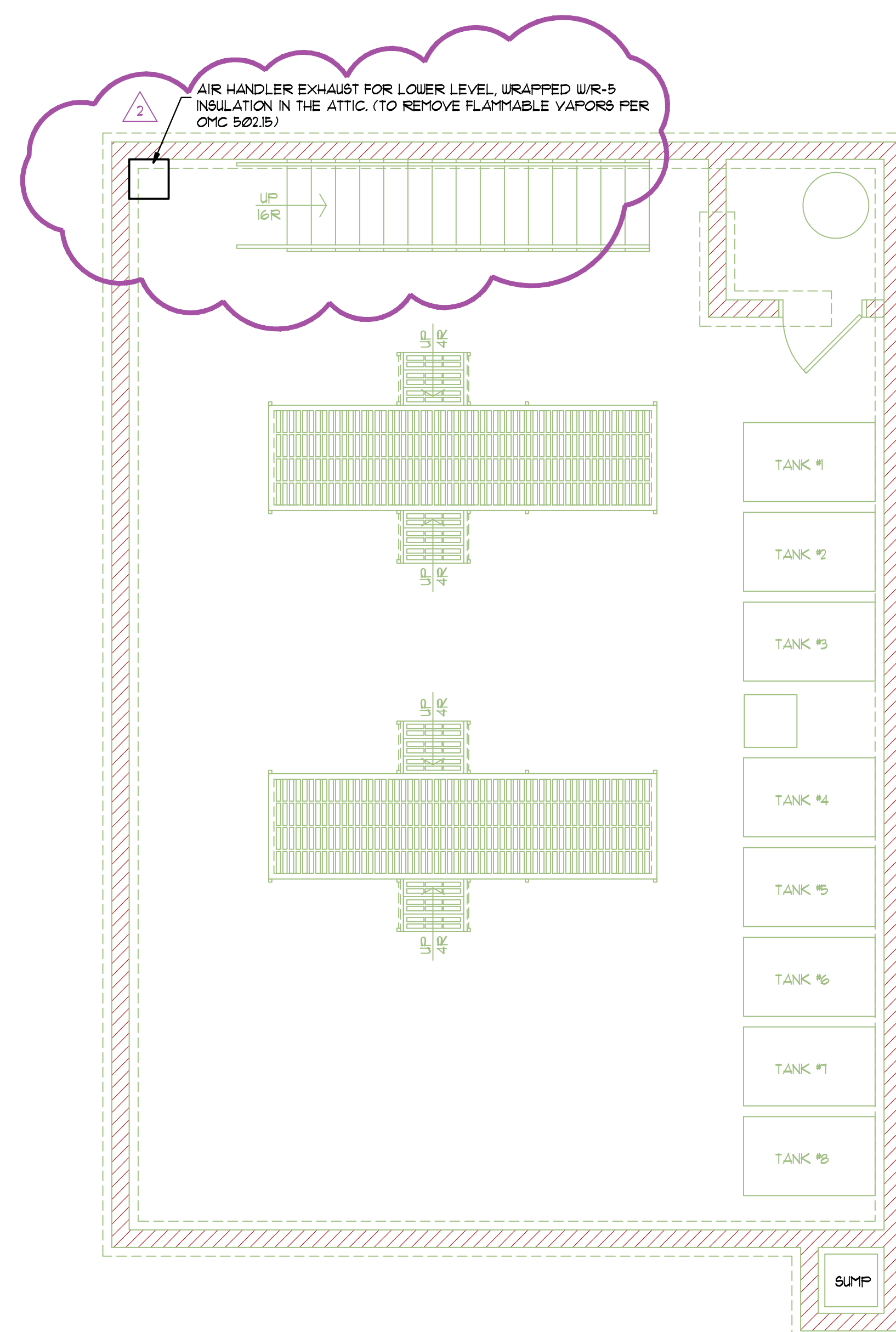
MARK	CFM	EFFICIENCY RATING	INPUT	OUTPUT	MANUFACTURER / MODEL
F-1	160	90.0 ARIE	45, BTU/h	40,300 BTU/h	LENNOX G43UH-24B-045
AC-1	-	13 SEER	-	48K	LENNOX MERIT 13ACD
RT-1 & 2	-	-	20,062 BTU/h	22KW	REZNOR/RADIANT TUBE RARS122 SERIES
EF-1	80	0.3 SONES	-	-	NITONE/GTXEN080
AH-1	1386	-	-	-	LENNOX CBX32M-048, VENTILATION ONLY
AH-2	1750	-	-	-	LENNOX CBX32U-060, VENTILATION ONLY

VENTILATION (OMC 401.2)

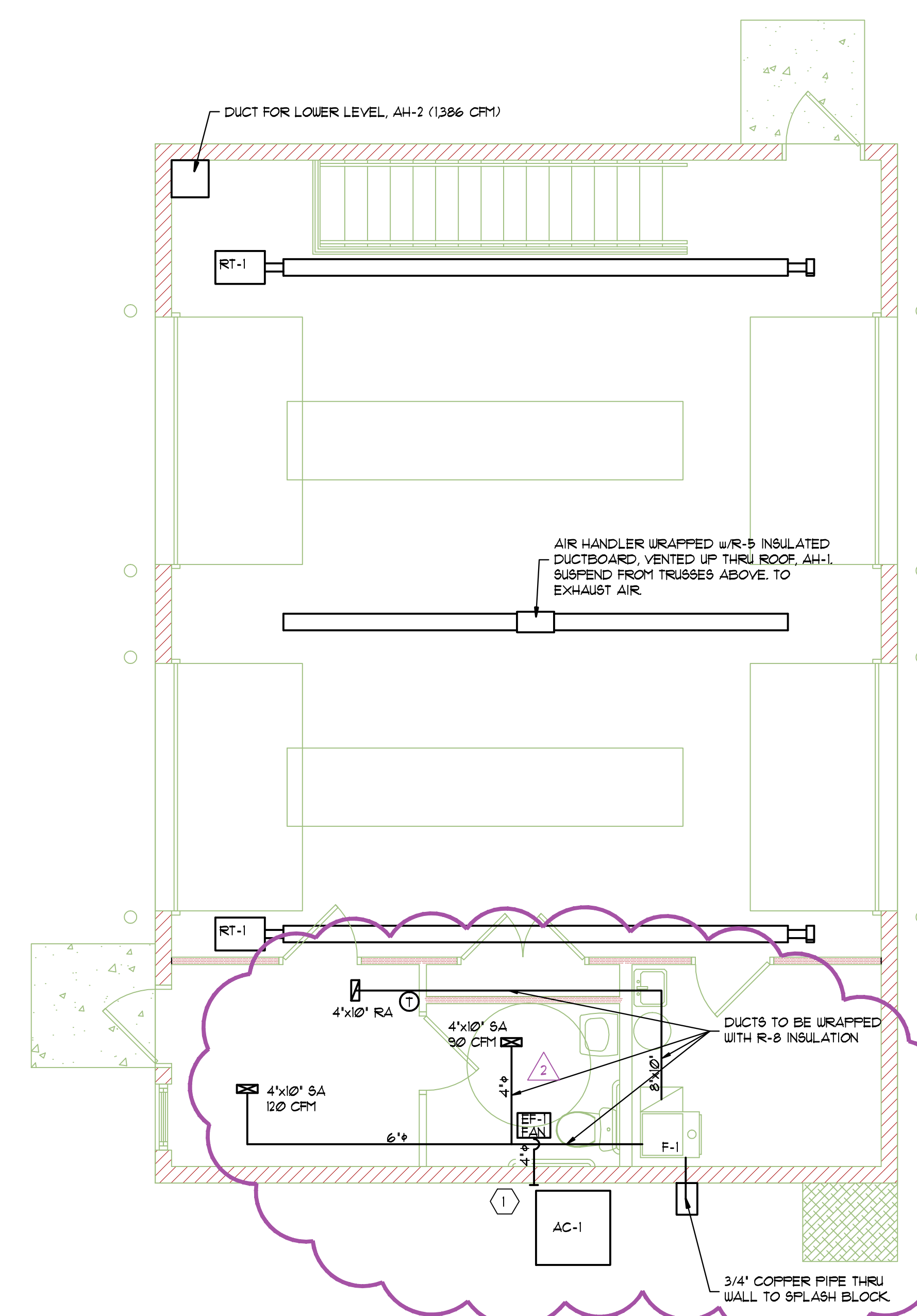
NATURAL:	
FIRST FLOOR AREA OCCUPIED SPACE	975
LOWER LEVEL (ADJOINING SPACE)	1260
TOTAL SF	2235
MIN. OPERABLE AREA TO OUTDOOR (4%)	90
OPENINGS PROVIDED (4'-10" x 10')	400

OPENINGS TO ADJOINING SPACE (8%) @ 8' x 9'156F		78
SERVICE BAY OPENINGS @ STAIRWELL OFG.		148

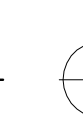
MECHANICAL:	
AIR HANDLER 1	1386
AIR HANDLER 2	1750
EXHAUST FAN EF-1	(80)
TOTAL:	3136



LOWER LEVEL HVAC PLAN
 SCALE: 1/4" = 1'-0"



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



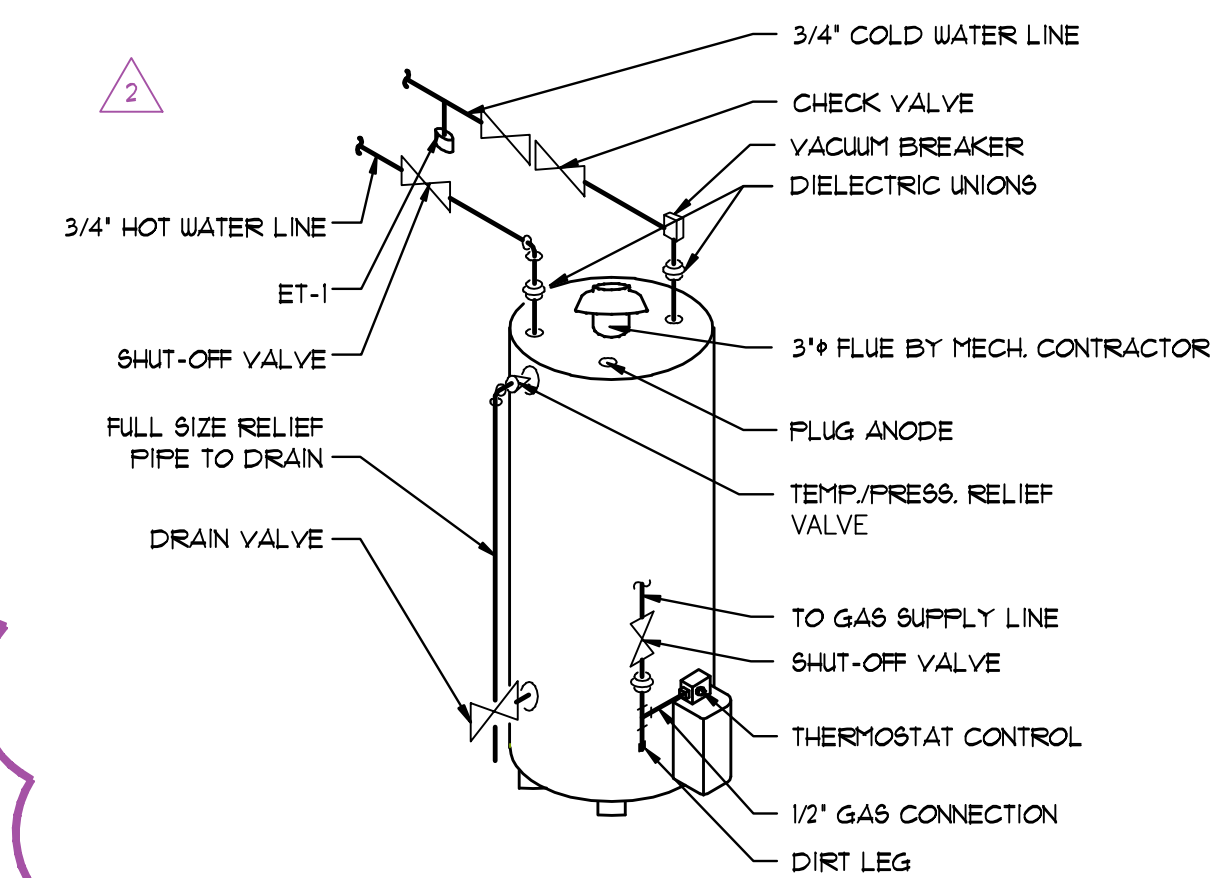
GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR ALL CONCRETE FLOOR CUTS. THE CUTTING OF THE SLAB IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
2. THE PLUMBING CONTRACTOR SHALL VERIFY SANITARY LINE CONNECTIONS (LOCATIONS AND SIZES) WITH SITE CONTRACTOR PRIOR TO INSTALLING ANY UNDERGROUND PIPING.
3. ALL SANITARY PIPING SHALL BE CAST IRON.
4. ALL VENT PIPING CAN BE COPPER OR PVC DO NOT MIX TYPES USED.
5. ALL DOMESTIC WATER PIPING MUST BE COPPER. PLUMBING CONTRACTOR IS TO FURNISH AND INSTALL 1/2" FIBERGLASS INSULATION ON ALL WATER PIPES.
6. THE PLUMBING CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL HANGERS, SUPPORTS AND ACCESSORIES AS REQUIRED BY ALL CODES.
7. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL MEET OR EXCEED ALL CODES HAVING JURISDICTION.
8. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL SHOCK ABSORBERS ON ALL WATER PIPING AS REQUIRED.
9. THE PLUMBING CONTRACTOR IS RESPONSIBLE TO MAKE ALL FINAL CONNECTIONS TO FIXTURES THAT ARE NOT SUPPLIED BY KITCHEN EQUIPMENT CONTRACTOR. SEE SCHEDULE ON SHEET P-4.
10. THE PLUMBING CONTRACTOR IS RESPONSIBLE TO PAY FOR AND OBTAIN ALL REQUIRED PERMITS AND SCHEDULE INSPECTIONS, ALL IN A TIMELY MANNER AS TO NOT DELAY PROJECT.
11. THE PLUMBING CONTRACTOR SHALL VERIFY ALL LOCATIONS AND CONDITIONS IN THE FIELD PRIOR TO STARTING ANY WORK. ANY CONFLICTS FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
12. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A SHUT-OFF VALVE AND 6" DIRT LEG AT ALL CONNECTIONS TO ALL GAS EQUIPMENT. PROVIDE A SEPARATE SHUT-OFF FOR EACH OF THE TABLE TOP 'FLATE COOKER' BURNERS.
13. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL SHUT-OFF VALVES TO ALL FIXTURES NOT OTHERWISE EQUIPPED.
14. THE PLUMBING CONTRACTOR MUST FURNISH AN AS-BUILT SET OF DRAWINGS SHOWING THE EXACT LOCATION/ELEVATION OF ALL UNDERGROUND PIPING TO THE OWNER, ARCHITECT AND ENGINEER AT COMPLETION OF THE PROJECT PRIOR TO FINAL PAYMENT.

CODED NOTES

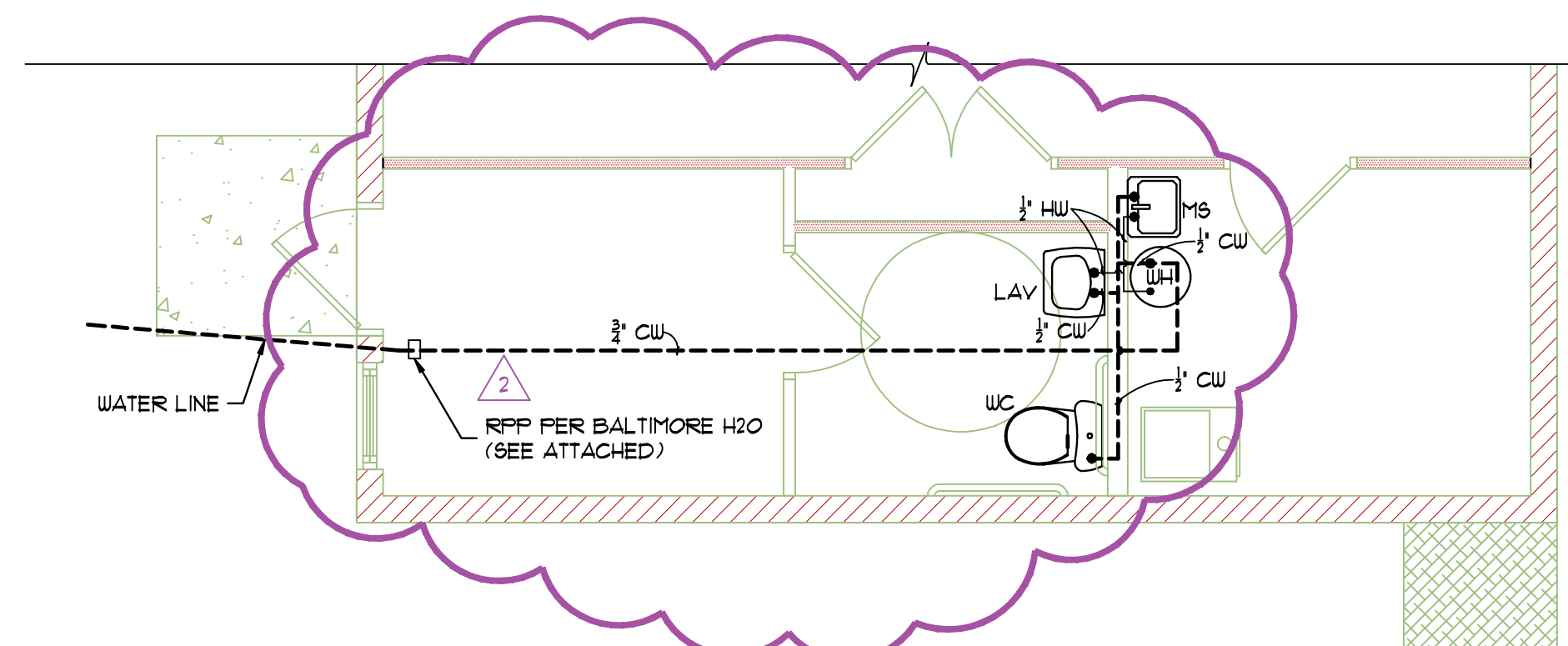
- ① FLOOR DRAINS TO SCUPPER, OUTLET TO WASTE TANK, TYP. OF 2.

PLUMBING FIXTURE SCHEDULE		
WC	WATER CLOSET	AMERICAN STANDARD 2311102, 16 1/2" H, ELONGATED w/PRESSURE ASSISTED JET FLUSH OR EQUAL.
LAV	LAVATORY	AMERICAN STANDARD 0355012 WALL HUNG, w/A.S. 2305401 FAUCET, w/TRUEBRO LAV GUARD ADA OR EQUAL. w/WATER TEMPERATURE DEVICE TO TEMPER WATER TO MAX. 110°.
MS	MOP SINK	AMERICAN STANDARD
WH	WATER HEATER	GAS WATER HEATER w/HEAT TRAP KIT FROM WATER HEATER MFG. & THERMAL EXPANSION CONTROL DEVICE.

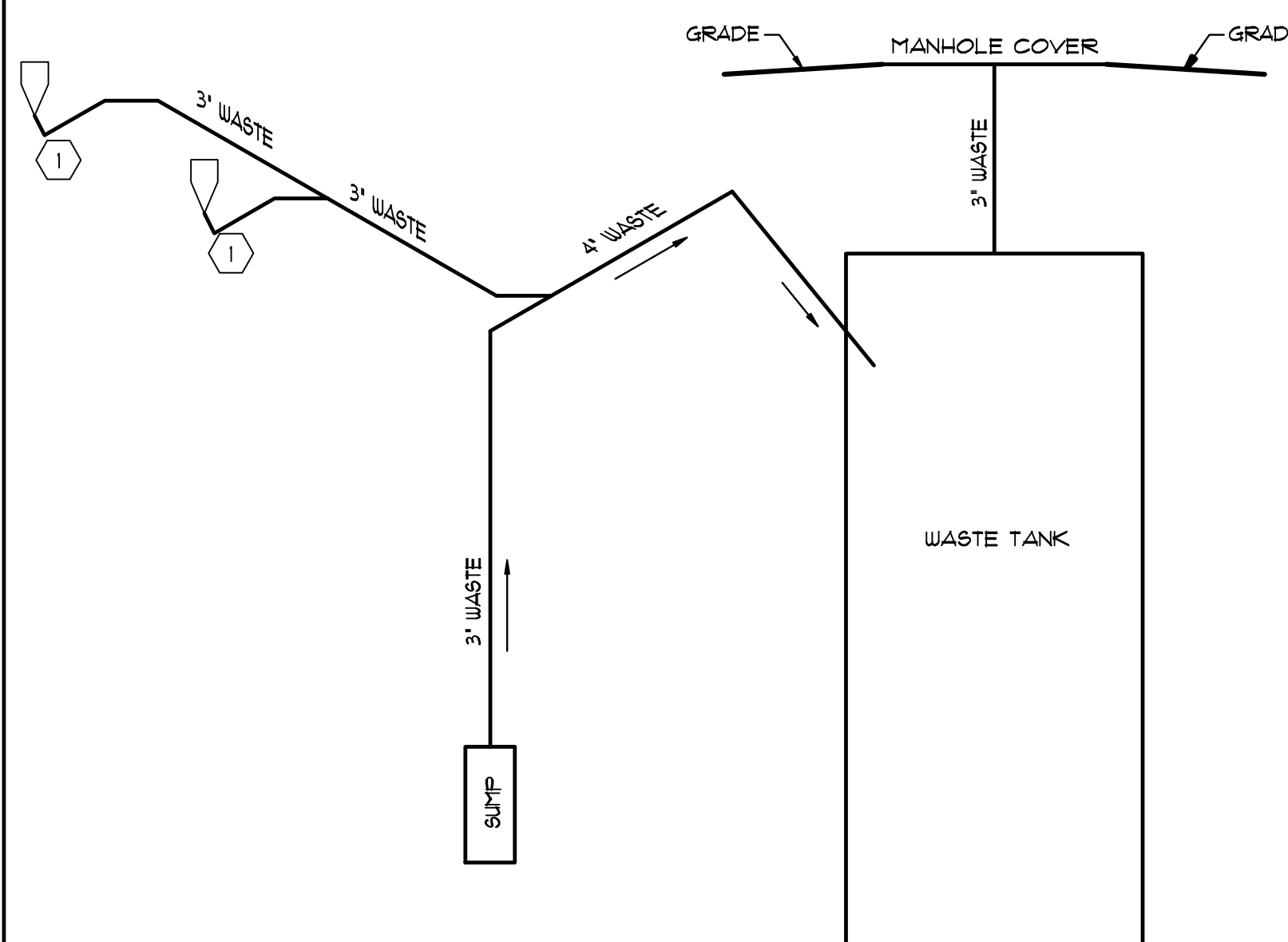


NOTE: FOR CAPACITY SEE WATER HEATER SCHEDULE

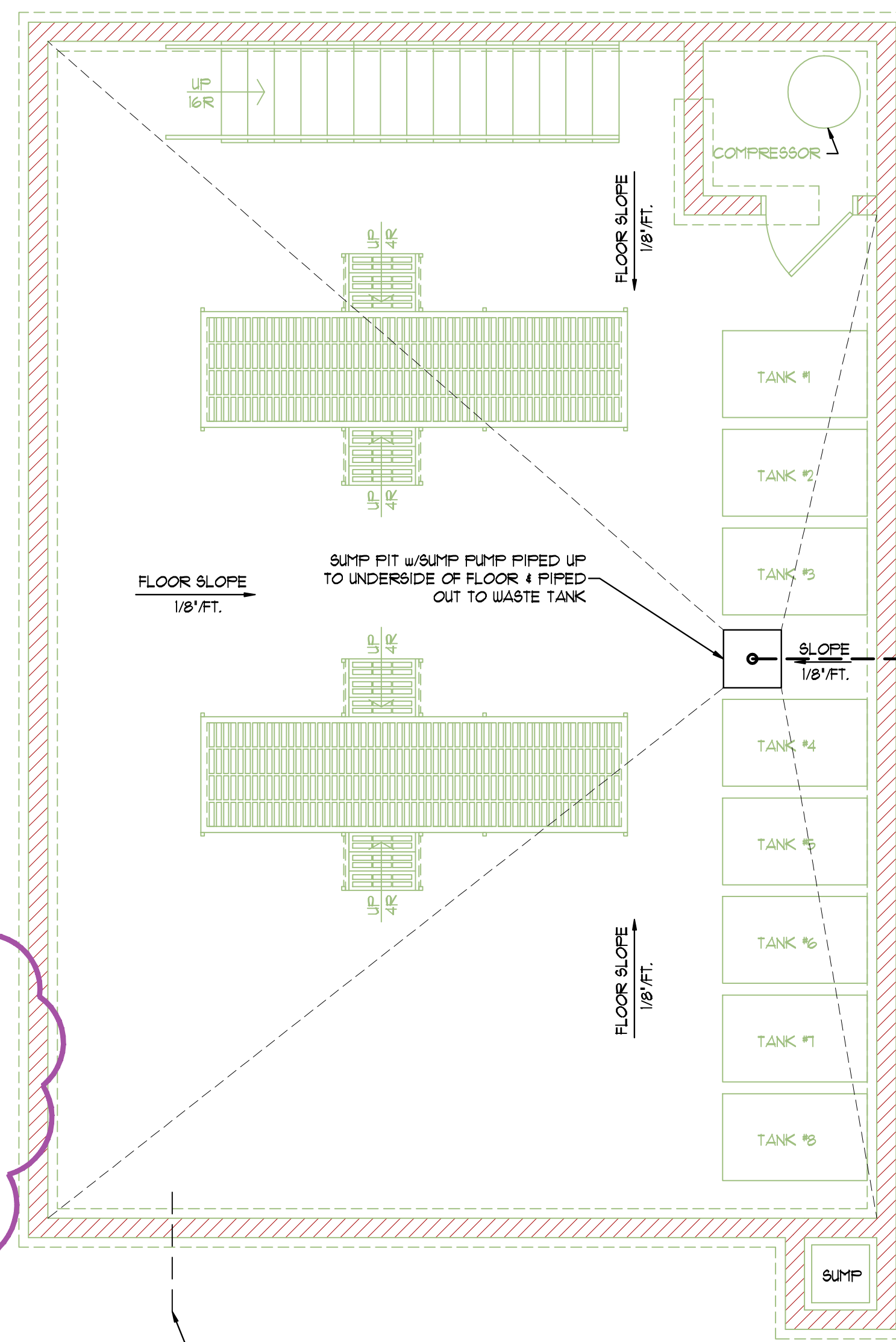
GAS WATER HEATER DETAIL
N.T.S.



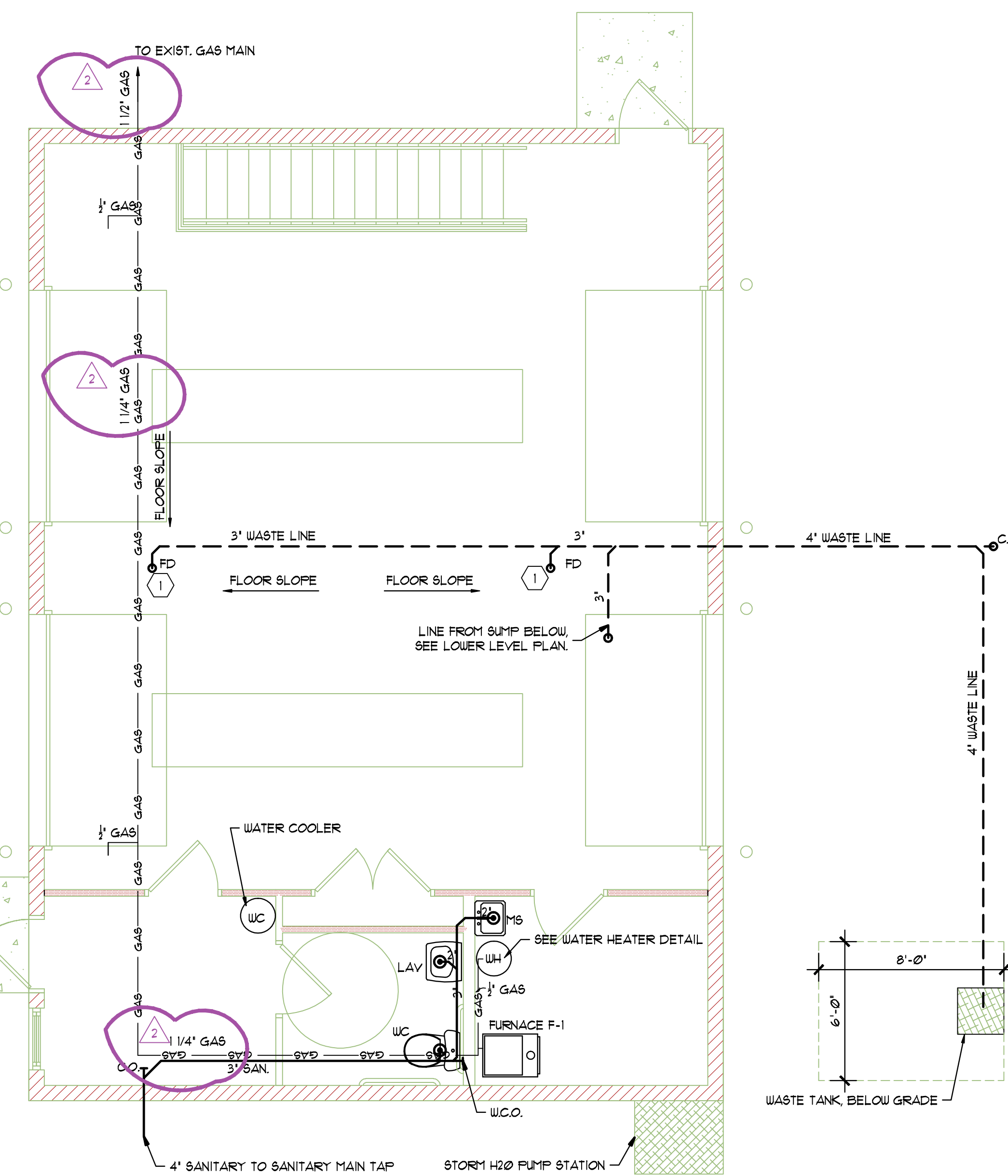
FIRST FLOOR SUPPLY PLAN
SCALE: 1/4" = 1'-0"



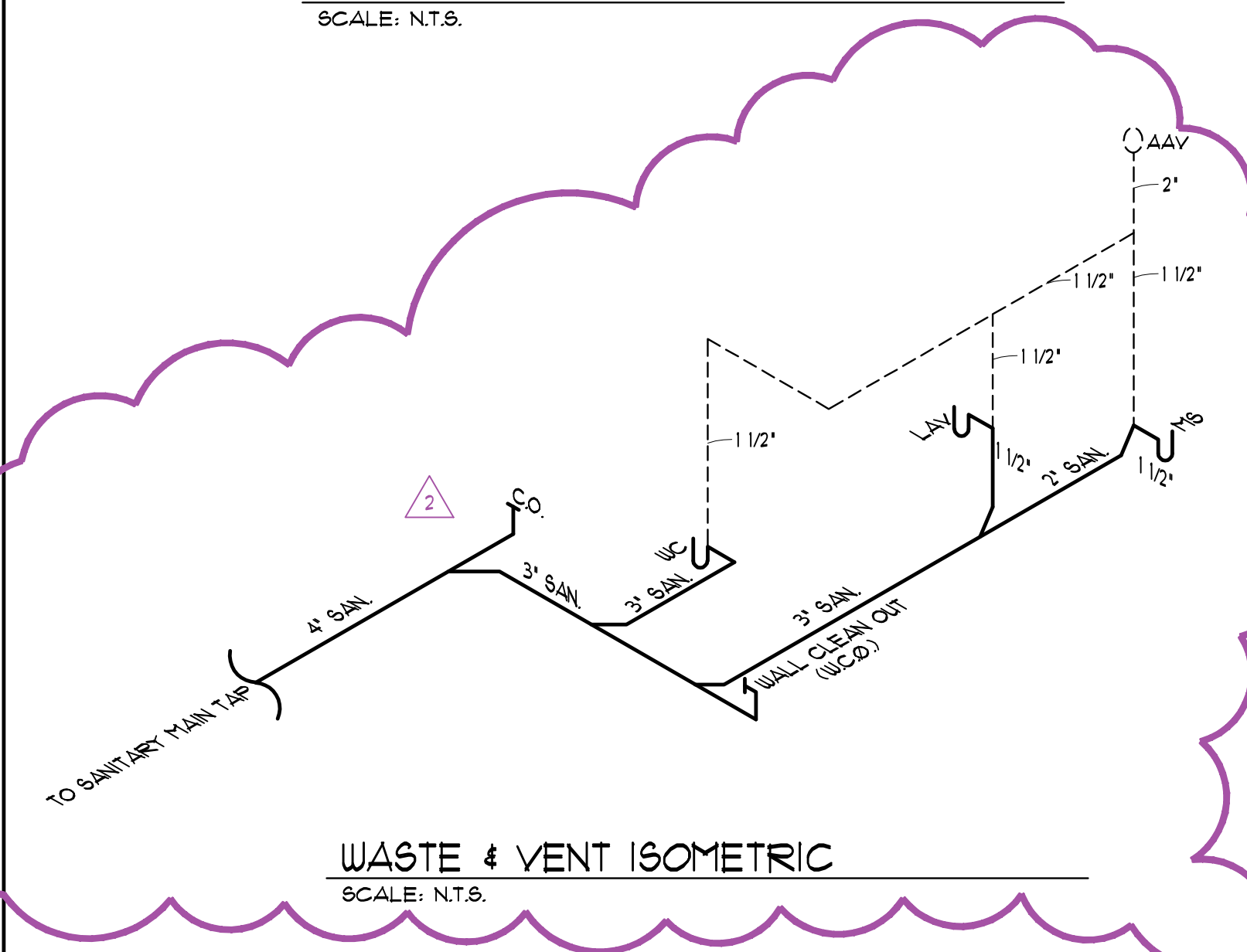
WASTE ISOMETRIC
SCALE: N.T.S.



LOWER LEVEL WASTE PLAN
SCALE: 1/4" = 1'-0"



FIRST FLOOR WASTE & VENT PLAN
SCALE: 1/4" = 1'-0"



WASTE & VENT ISOMETRIC
SCALE: N.T.S.

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PROJECT

THE OIL CAN, LLC
of
BALTIMORE
600 N. MAIN STREET
BALTIMORE, OHIO

BUILDER

PROJECT NO.	08-0036
DRAWN	JCW/NYS
CHECKED	RLM
REVISIONS	5/9/08 ADJUD. LETTER #2 DATED 4/16/08

CONSTRUCTION SET

DATE

March 6, 2008

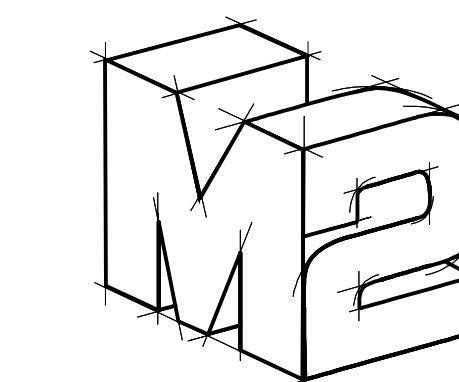
TITLE

**FIRST FLOOR
PLUMBING PLAN**

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SHEET NUMBER

P-1



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PROJECT

THE OIL CAN, LLC
of
BALTIMORE
600 N. MAIN STREET
BALTIMORE, OHIO

BUILDER

PROJECT NO. 08-0036

DRAWN JCW/MS

CHECKED RUM

REVISIONS

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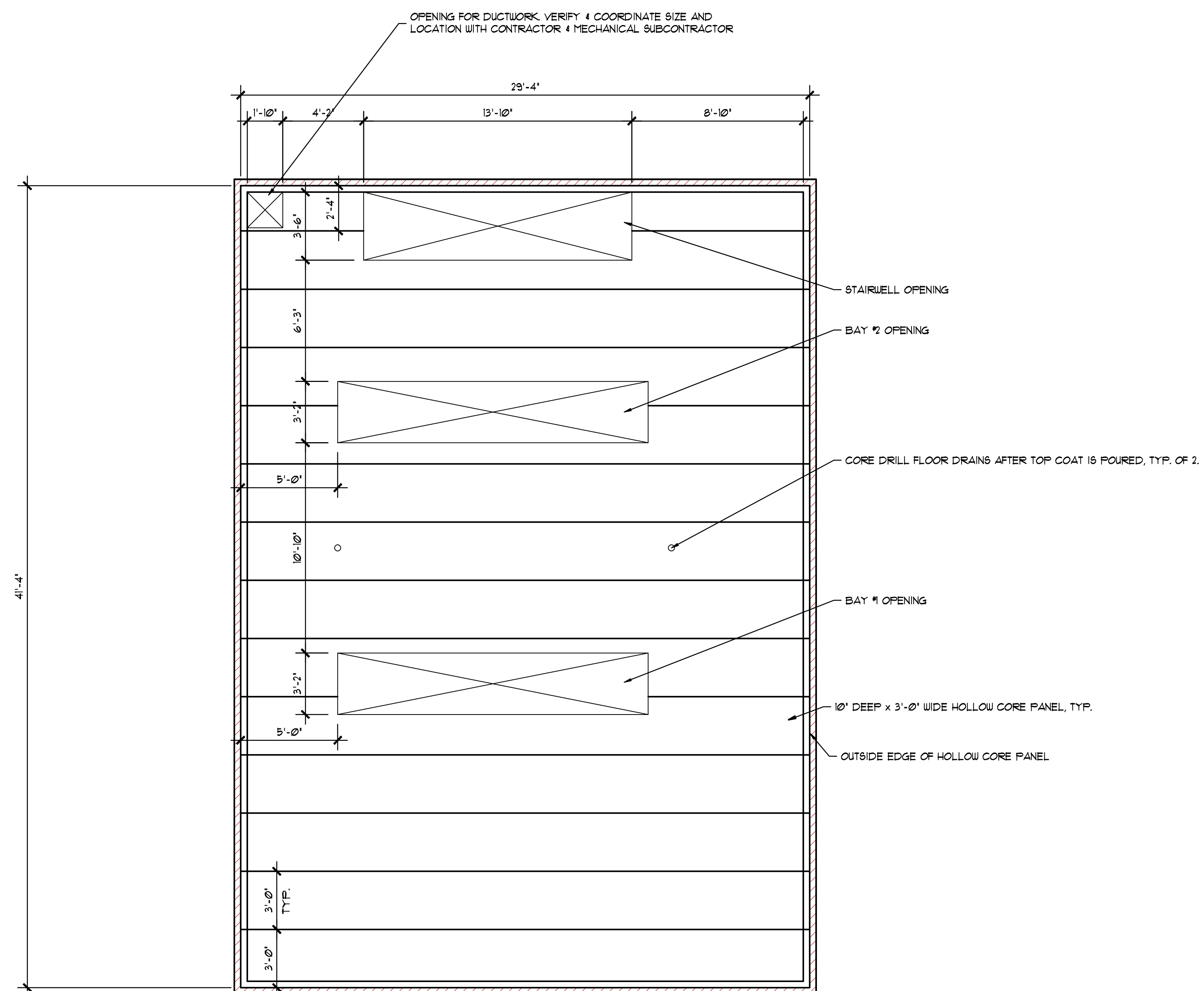
TITLE

HOLLOW CORE
FRAMING PLAN

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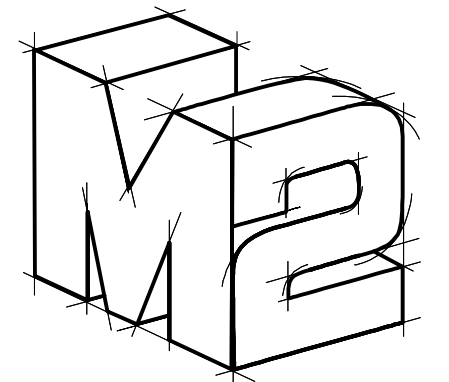
SHEET NUMBER

S-2



HOLLOW CORE PLAN
SCALE: 1/4" = 1'-0"





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PROJECT

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 600 N. MAIN STREET
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BUILDER

PROJECT NO. 08-0036

DRAWN JCW/MS

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REVISIONS

6/3/08 ADJUD. LETTER # DATED 4/16/08

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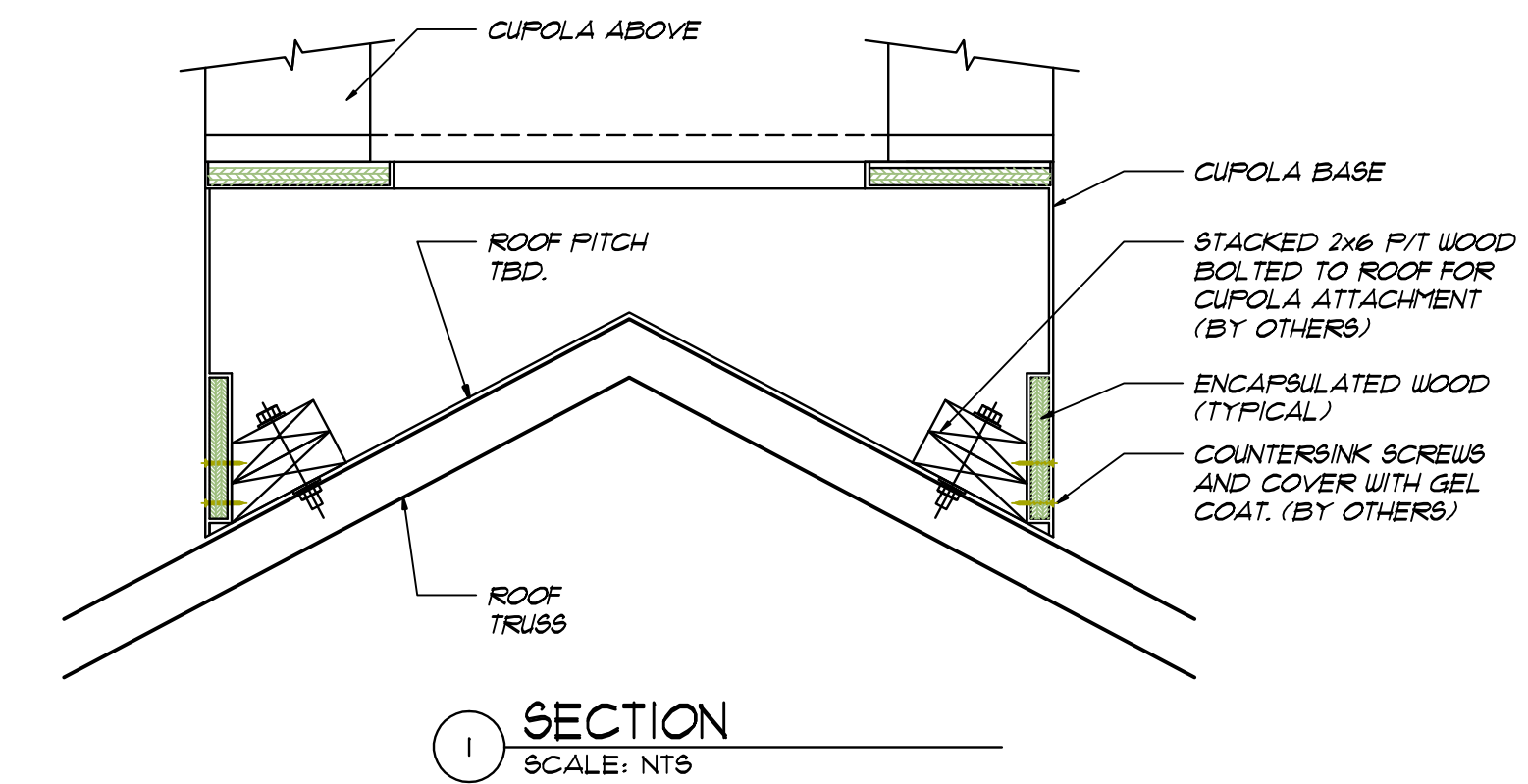
TITLE

ROOF FRAMING PLAN

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SHEET NUMBER

S-3



ATTIC VENTILATION CALCULATIONS			
REQUIRED VENTILATION:			
AREA OF ATTIC SPACE	X	(1/300)	= REQUIRED ATTIC VENT
1564	X	0.003334	= 5.2 SF
VENTILATION PROVIDED:			
NUMBER OF HAT VENTS	X	0.33 SF/EA	= TOTAL VENT (SF)
8	X	0.33	= 2.6 SF
OR LENGTH OF RIDGE VENT	X	0.079 SF/FT	= TOTAL VENT (SF)
OR 34	X	0.079	= 2.7 SF
# OF 8"x16" SOFFIT VENTS	X	0.40 SF/EA	= TOTAL VENT (SF)
7	X	0.40	= 2.8 SF
TOTAL AREA OF VENTILATION PROVIDED		= 5.4 SF	

PLAN NOTES

- FINAL TRUSS LAYOUT AND DESIGN ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. GIRDER TRUSS LOCATIONS AND ALL INTERIOR BEARING LOCATIONS FOR ROOF FRAMING SHALL BE PER THIS ROOF FRAMING PLAN UNLESS OTHERWISE APPROVED BY M2 DESIGN GROUP, LLC.
- THE TRUSS MANUFACTURER SHALL DESIGN ALL GIRDER TRUSSES FOR AN ALLOWABLE BEARING STRESS OF 475 PSF. TRUSS MANUFACTURER MAY PROVIDE BEARING BLOCKS OR SIMPSON TBE (TRUSS BEARING ENHANCERS) IN PLACE OF ADDITIONAL GIRDER TRUSS PLIES TO MEET ALLOWABLE BEARING REQUIREMENTS.
- GIRDER TRUSSES SHALL BE SUPPORTED BY MINIMUM (2)-2x4 POST (GLUED AND NAILED). MINIMUM POST WIDTH TO MATCH GIRDER TRUSS WIDTH. POSTS SHALL BE FULLY BLOCKED TO BEAM OR FOUNDATION WALL BELOW.

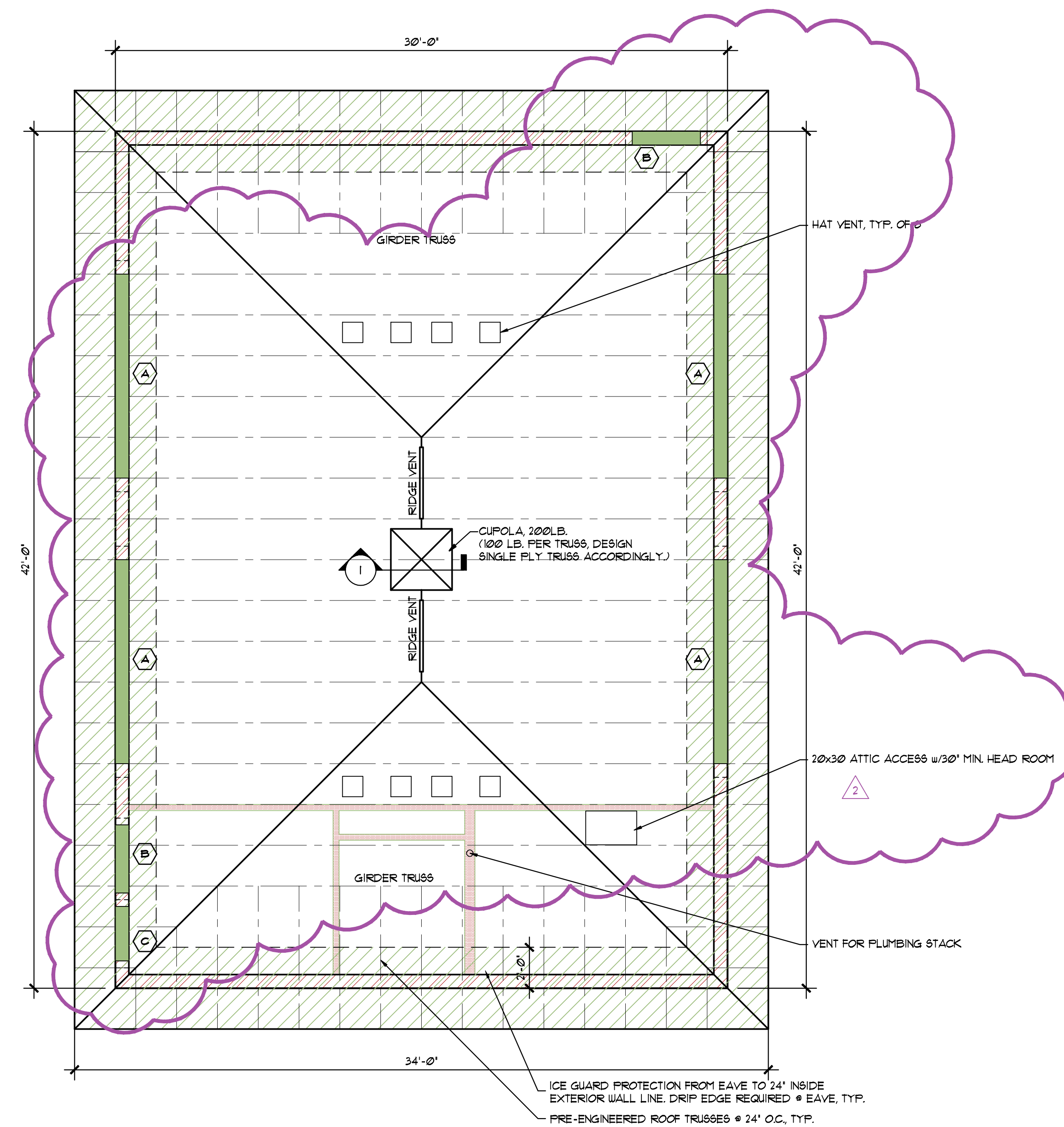
UPLIFT HOLD DOWN TABLE

SINGLE TRUSSES		HOLD DOWN
SPAN (FT.)	UPLIFT (LB.)	
12	-91	STANDARD NAILED CONNECTION
20	-151	STANDARD NAILED CONNECTION
24	-181	STANDARD NAILED CONNECTION
28	-212	SIMPSON H5 OR EQUIVALENT
32	-242	SIMPSON H5 OR EQUIVALENT
36	-272	SIMPSON H5 OR EQUIVALENT
40	-302	SIMPSON H5 OR EQUIVALENT
GIRDER TRUSSES		(2) SIMPSON HTS320 MINIMUM UNLESS NOTED ON PLAN

TABLE NOTES:
 ABOVE UPLIFT LOADS BASED ON 90 MPH EXPOSURE B
 STANDARD NAILED CONNECTION ASSUMES (3) 16d TOENAILS

LINTEL SCHEDULE

MARK	CLEAR SPAN	TOTAL LENGTH	MATERIAL	SIZE
A	10'-0"	11'-4"	STEEL	W8x15 w/3/8 x 1 1/2 LB WELDED TO BOTTOM
B	3'-2"	4'-0"	PRECAST CONCRETE	(2) - 4x8
C	3'-4"	4'-0"	PRECAST CONCRETE	(2) - 4x8



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



STRUCTURAL SPECIFICATIONS

GENERAL

- THESE REQUIREMENTS MAY BE SUPERCEDED BY MORE STRINGENT INFORMATION CONTAINED WITHIN THE DRAWINGS. THE MORE STRINGENT SHALL BE FOLLOWED.
- SOIL CONDITIONS SHALL CONFORM TO THE FOLLOWING CONDITIONS:
 - BEARING CAPACITY - 1500 PSF MAX.
- BOTTOM OF ALL FOOTINGS SHALL EXTEND TO BELOW FROST LINE OF THE LOCALITY.
- FREE DRAINING GRANULAR BACKFILL SHALL BE USED AGAINST FOUNDATION WALLS. ALL BACKFILL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL SUCH AS ORGANIC MATERIALS, DEBRIS, PIECES OF DEMOLISHED CONCRETE, OR ANY OTHER HARD AND/OR POINTED OBJECTS SPECIFICALLY ROCKS LARGER THAN FOUR INCHES IN DIAMETER. FOUNDATION WALLS ARE DESIGNED FOR A MAXIMUM LATERAL SOIL PRESSURE OF 45 PCF, UNLESS NOTED OTHERWISE ON THE FOUNDATION DETAILS. FOR WALLS WITH UNBALANCED BACKFILL GREATER THAN 4 FEET, BRACING IS REQUIRED TO PREVENT DAMAGE BY THE BACKFILL. THE MINIMUM HEIGHT OF BACKFILL ABOVE THE FOOTING SHALL BE 6 INCHES ABOVE THE FOOTING FOR A MINIMUM WIDTH OF 12 INCHES BEYOND THE FOOTING EDGE. ALL DRAIN TILES SHALL SIT ON TOP OF A MINIMUM OF 2 INCHES OF WASHED GRAVEL, AND BE COVERED BY NOT LESS THAN 6 INCHES OF THE SAME MATERIAL.
- SURFACE DRAINAGE SHALL BE DIVERTED AWAY FROM THE FOUNDATION WALLS, PREFERABLY TO A STORM SEWER SYSTEM, BY GRADING THE SURFACE TO FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET OF THE PERIMETER OF THE BUILDING. SWALES MAY BE INCORPORATED WHERE NECESSARY WHERE LOT LINES PROHIBIT THE ABOVE.
- THE MINIMUM DESIGN LIVE LOADS USED IN THE CALCULATIONS FOR THIS SET OF DRAWINGS ARE AS FOLLOWS:

SEE SHEET T-1
- THE MINIMUM DESIGN WIND LOADS USED IN THE CALCULATIONS FOR THIS SET OF DRAWINGS ARE AS FOLLOWS:

WIND SPEED	-	90 MPH
EXPOSURE	-	B
- THE STRUCTURAL ELEMENTS OF THIS BUILDING HAVE BEEN DESIGNED TO MEET STANDARD DEFLECTION CRITERIA AS FOLLOWS: (MAXIMUM LIVE LOAD DEFLECTION OF 1/2-INCH FOR ALL CASES WITH ATTACHED DRYWALL)

ROOF TRUSSES	-	L/180
DECK	-	L/360
EXTERIOR WALLS	-	H/360
INTERIOR WALLS	-	H/240
ALL OTHER STRUCT. ELEMENTS	-	L/240

CONCRETE

- ALL CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTHS (f'c) AS FOLLOWS:

FOUNDATION WALLS	-	3,000 psi (6% air-entrained)
PIERS	-	3,000 psi (6% air-entrained at exterior)
INTERIOR SLABS	-	2,500 psi
EXTERIOR SLABS	-	3,500 psi (6% air-entrained)
GARAGE SLABS	-	3,500 psi (6% air-entrained)
RETAINING WALLS	-	3,000 psi (6% air-entrained)
- ALL REINFORCING STEEL (REBAR OR BAR) SHALL CONFORM TO ASTM A-615, GRADE 60, (60,000 PSI)
- ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A-185, LAPPING A MINIMUM OF 8-INCHES.
- ALL OPENINGS IN FOUNDATION WALLS SHALL BE REINFORCED WITH A MINIMUM OF ONE #5 REBAR x 48-INCHES LONG, PLACED DIAGONALLY AT EACH CORNER.
- MAXIMUM SLUMP OF 5-INCHES.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318-05.

HOLLOW CORE:

- ALL HOLLOW CORE SLABS SHALL BE PRECAST/PRESTRESSED CONCRETE FROM A PLANT THAT IS PCI CERTIFIED, FOLLOWING GUIDELINES PRESCRIBED BY THE PCI MANUAL MNL-116, LATEST EDITION.
- SHOP DRAWINGS SHALL BE SUBMITTED DEFINING ALL OPENING LOCATIONS, CONNECTION DETAILS, EDGE CONDITIONS, SUPPORT CONDITIONS, DEAD LOAD, LIVE LOAD AND A TYPICAL CROSS SECTION.
- INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR REGARDING INITIAL HANDLING AND ERECTION.
- MATERIALS:
 - PORTLAND CEMENT - ASTM C150, TYPE I OR III
 - AGGREGATES - ASTM C63 OR C330
 - WATER - FREE FROM FOREIGN MATERIALS IN AMOUNTS HARMFUL TO CONCRETE OR EMBEDDED STEEL
 - REINFORCING BARS - ASTM A615
 - REINFORCING WIRE MESH - ASTM A496
 - WELDED STUDS - A108 D11 AND ASTM A108
 - STRUCTURAL STEEL - A36
 - GROUT - CEMENT GROUT SHALL BE A MIXTURE OF NOT LESS THAN ONE (1) PART PORTLAND CEMENT TO THREE (3) PARTS FINE SAND, AND THE CONSISTENCY SHALL BE SUCH THAT JOINTS CAN BE SUBSTANTIALLY FILLED, BUT WITHOUT SEEPAGE OVER ADJACENT SURFACES. ANY GROUT THAT SEEPS FROM THE JOINT SHALL BE COMPLETELY REMOVED BEFORE IT HARDENS. GROUT STRENGTH SHALL BE 3,500 PSI MINIMUM.
- BEARING PADS - STANDARD BEARING PADS, PLASTICS - MULTI-MONOMER CONTINUOUS PLASTIC STRIPS SHALL BE NON-LEACHING AND SUPPORT CONSTRUCTION LOADS WITH NO VISIBLE OVERALL EXPANSION.

STRUCTURAL SPECIFICATIONS - CONTINUED

LUMBER

- ALL STRUCTURAL WOOD JOISTS AND HEADERS SHALL BE STRESS GRADED #2 SPRUCE-PINE-FIR (SPF), 19% M.C. IN ACCORDANCE WITH NDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL LUMBER SHALL COMPLY TO THE FOLLOWING MINIMUM SPECIFICATIONS:

HEM-FIR NORTH (NO. 2)	(HFN #2)	ENGINEERED LUMBER - LVL	(19E)
Fb	- 1150 psi (REPETITIVE USE)	Fb	- 2990 psi (REPETITIVE USE)
Fc	- 1000 psi (NON-REPETITIVE)	Fc	- 2600 psi (NON-REPETITIVE)
E	- 1,600,000 psi	E	- 1,900,000 psi
Fv	- 145 psi	Fv	- 285 psi
Fc	- 1,450 psi	Fc	- 2,310 psi
Fc, perp	- 405 psi	Fc, perp	- 150 psi
SPRUCE PINE FIR (NO. 2)	(SPF #2)	ENGINEERED LUMBER - PSL	(20E)
Fb	- 806 psi (REPETITIVE USE)	Fb	- 3335 psi (REPETITIVE USE)
Fc	- 875 psi (NON-REPETITIVE)	Fc	- 2900 psi (NON-REPETITIVE)
E	- 1,400,000 psi	E	- 2,000,000 psi
Fv	- 135 psi	Fv	- 290 psi
Fc	- 1,150 psi	Fc	- 1,600 psi
Fc, perp	- 475 psi	Fc, perp	- 650 psi
SOUTHERN YELLOW PINE (NO. 2) (10' WIDE)	(SYP #2)	SPRUCE PINE FIR (Stud Grade)	(SPF Stud)
Fb	- 1,200 psi (REPETITIVE USE)	Fb	- 176 psi (REPETITIVE USE)
Fc	- 1,050 psi (NON-REPETITIVE)	E	- 1,200,000 psi
E	- 1,600,000 psi	E	- 1,200,000 psi
Fv	- 175 psi	Fv	- 135 psi
Fc	- 1,500 psi	Fc	- 125 psi
Fc, perp	- 565 psi	Fc, perp	- 425 psi

- ALL MANUFACTURED WOOD TRUSSES (INCLUDING GIRDERS) SHALL BE DESIGNED BY THE SUPPLIER OR MANUFACTURER AND IN ACCORDANCE WITH ANSI TPI 1, NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION. MANUFACTURER/SUPPLIER SHALL SUBMIT STAMPED (SEALED BY PROFESSIONAL ENGINEER, REGISTERED IN THE GOVERNING JURISDICTION) SHOP DRAWINGS TO THE BUILDING DEPARTMENT, UNLESS THE DESIGN DOES NOT MEET THE DESIGN OF THE ENGINEER OF RECORD. IN THIS CASE, SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER OF RECORD, PRIOR TO CONSTRUCTION OF THE TRUSSES.
- THESE DRAWINGS HAVE BEEN DESIGNED BY A STRUCTURAL ENGINEER. THE TRUSS SUPPLIER/MANUFACTURER SHALL DESIGN THEIR ELEMENTS (TRUSSES AND GIRDERS) FOR A MAXIMUM BEARING PRESSURE OF 425 PSI, AS IF SET ON SPF #2 WALL PLATES.
- ERECTION OF TRUSSES SHALL BE IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE'S (TPI) RECOMMENDATIONS AND COMPLY WITH THE MANUFACTURER'S SPECIFICATIONS.
- PRESSURE TREATED WOOD IS REQUIRED IN ALL OF THE FOLLOWING AREAS OF CONSTRUCTION:
 - ALL STRUCTURAL WOOD EXPOSED TO THE OUTSIDE ELEMENTS
 - ALL STRUCTURAL WOOD BEARING DIRECTLY ON CONCRETE OR MASONRY AND IS LESS THAN 8-INCHES FROM EXPOSED GROUND
 - ALL STRUCTURAL WOOD BEARING DIRECTLY ON A CONCRETE SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND
 - ALL WOOD SIDING, SHEATHING, AND FRAMING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6-INCHES FROM THE GROUND
- FASTENERS FOR PRESSURE TREATED OR FIRE-RETARDANT WOOD SHALL BE HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, OR COPPER WITH ONE EXCEPTION. ONE-HALF-INCH DIAMETER OR GREATER STEEL BOLTS ARE ALLOWED.
- ALL WALL GILL PLATES BEARING DIRECTLY ON FOUNDATION WALLS SHALL BE ANCHORED WITH 1/2" DIAMETER ANCHOR BOLTS OR APPROVED GALVANIZED STEEL ANCHORS INTO THE WALL A MINIMUM OF 1-INCHES OF EMBEDMENT. MINIMUM TWO ANCHORS PER SECTION OF PLATE. MAXIMUM SPACING OF ANCHORS IS 6'-0". ANCHORS SHALL BE PLACED WITHIN 12-INCHES FROM EACH END OF EACH PLATE.
- UNLESS NOTED SPECIFICALLY OTHERWISE ON THE DRAWINGS, ALL STRUCTURAL WOOD HEADERS UNDER 4'-0" SPAN, SHALL BE A MINIMUM OF 2-2x6.
- ALL PLYWOOD OR OSB ROOF, FLOOR, AND WALL SHEATHING SHALL BE APA APPROVED.

STRUCTURAL SPECIFICATIONS - CONTINUED

STEEL

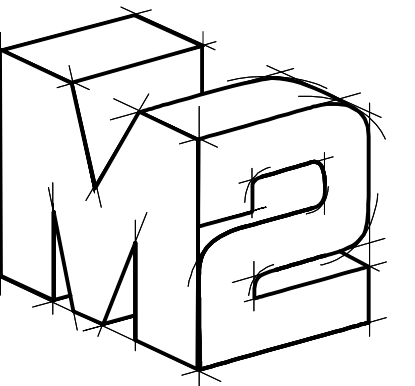
- ALL ROLLED STRUCTURAL STEEL SPECIFIED IN THESE DRAWINGS SHALL CONFORM TO ASTM A-992.
- ALL STEEL PIPE COLUMNS SHALL CONFORM TO ASTM A-53
- STRUCTURAL STEEL POSTS SPECIFIED ON THESE DRAWINGS WERE SELECTED ACCORDING TO THE FOLLOWING SPECIFICATIONS:

SIZE	MIN. THICK	MANUFACTURER	CAPACITY
3" DIA ADJUSTABLE	1/2 GA	SUBURBAN STEEL	7'-4" HT. 14.9K
3 1/2" DIA ADJUSTABLE	SCHD 40	SUBURBAN STEEL	8'-4" HT. 19.1K
			32.9K
- ALL WELDS SHALL COMPLY WITH THE STRUCTURAL WELDING CODE, 2004 AWS D11
- ALL BOLTS IN BOLTED CONNECTIONS SHALL CONFORM TO ASTM A-325.
- ALL REQUIRED STEEL ANCHOR STRAPS, JOIST HANGERS, ETC. SHALL BE CONSTRUCTED OF CODE APPROVED GALVANIZED STEEL, PAYING PARTICULAR ATTENTION TO GALVANIZED STEEL CONNECTORS ON PRESSURE TREATED LUMBER. SEE NOTE ON THE FOUNDATION SHEET FOR CLARIFICATION.
- ALL CONNECTIONS SHALL CONFORM TO AISC STANDARDS.

MASONRY

- MATERIALS:

MORTAR:	TYPE 'S' ASTM C270	HOLLOW CMU:	ASTM C-90
FACE BRICK:	ASTM C-216	GROUT AGGREGATE:	ASTM C-404
 - ALL MASONRY SHALL BE PROTECTED FROM FREEZING FOR NOT LESS THAN 48 HOURS AFTER INSTALLATION AND SHALL NOT BE CONSTRUCTED BELOW 40 deg F WITHOUT PRECAUTIONS NECESSARY TO PREVENT FREEZING. NO ANTI-FREEZE AD MIXTURES SHALL BE ADDED TO THE MORTAR.
 - CMU SHALL BE REINFORCED PER WALL SECTION 'A' ON SHEET A-3.
 - PROVIDE WEEP HOLES AT 2'-0" ON CENTER AT FIRST COURSE ABOVE GRADE.
 - THE TOP COURSE OF ALL MASONRY WALLS SHALL BE CONSTRUCTED OF SOLID MASONRY UNITS OR GROUT FILLED HOLLOW UNITS.
 - ALL MASONRY WORK SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION (NCA) AND THE BRICK INDUSTRY ASSOCIATION (BIA).
 - MASONRY WALLS AND RELATED COMPONENTS HAVE BEEN DESIGNED USING THE ALLOWABLE STRESS DESIGN METHOD.
- ### HERMAL & MOISTURE PROTECTION
- ALL SLABS-ON-GRADE IN CONDITIONED SPACES (i.e. WALKOUT BASEMENTS) SHALL BE INSULATED WITH A MINIMUM R-5 RIGID INSULATION FROM THE TOP OF SLAB DOWNWARD OR INWARD TO 24-INCHES BELOW SLAB AT ALL EXPOSED PERIMETER AREAS. INSULATION SHALL BE TAPERED 45 DEG AT THE TOP.
 - DAMP-PROOF ALL EXTERIOR FOUNDATION WALLS (BASEMENTS AND CRAWL SPACES) BELOW GRADE ENCLOSING ALL HABITABLE AND USABLE SPACES AT EXTERIOR FACE OF WALL. WATERPROOFING MEMBRANES ARE REQUIRED IN LIEU OF DAMPPROOFING IN AREAS WHERE HIGH WATER TABLE OR OTHER SEVERE SOIL-WATER CONDITIONS ARE KNOWN TO EXIST. ICF FOUNDATION WALLS SHALL NOT BE WATERPROOFED WITH ORGANIC SOLVENT BASED PRODUCTS SUCH AS HYDROCARBONS, ETC.
 - CODE APPROVED CORROSION RESISTIVE FLASHING SHALL BE PROVIDED AT TOP AND SIDES OF ALL EXTERIOR WINDOW AND DOOR OPENINGS IN SUCH MANNER AS TO BE LEAKPROOF. SIMILAR FLASHINGS SHALL BE INSTALLED AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS. ALSO ABOVE ALL PROJECTING WOOD TRIM AT WALL AND ROOF INTERSECTIONS, AT JUNCTIONS OF CHIMNEYS AND ROOFS, IN ALL ROOF VALLEYS AND AROUND ALL ROOF OPENINGS.
 - REFER TO THE APPROVED COM-CHECK DOCUMENT, WHETHER ATTACHED TO THESE DRAWINGS OR NOT, FOR SPECIFIC MINIMUM REQUIREMENTS FOR INSULATION ENERGY EFFICIENCIES.



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PROJECT NO. 08-0036

DRAWN JCW/NS

CHECKED RUM

REVISIONS
6/3/08 ADJUD. LETTER #2 DATED 4/16/08

CONSTRUCTION SET

DATE

March 6, 2008

TITLE

STRUCTURAL
NOTES

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SHEET NUMBER

S-4