

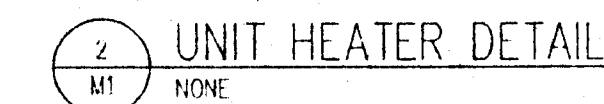
UNIT HEATER SCHEDULE											
MECHANICAL REQUIREMENTS				ELECTRICAL REQUIREMENTS							
PLAN MARK	INOUT MBH	OUTPUT MBH	FUEL	MANUFACTURER AND MODEL	REMARKS	POWER DRAW	VOLTS	PHASE	CONTROL TYPE	DIV. NO	REMARKS
GUH-1	100	60	N.G.	REZNOR F-100	1,2,3	2.8	120	1			
REMARKS:											
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS					2. CLASS "B" FLUE		3. 6" COMBUSTION AIR DUCT				

EXHAUST FAN SCHEDULE								
MECHANICAL REQUIREMENTS					ELECTRICAL REQUIREMENTS			
PLAN MARK	CFM	STATIC PRESSURE	MANUFACTURER AND MODEL	REMARKS	POWER		SERVES	
					DRAW	VOLTS	PHASE	
EF-1	66	0.25	BROAN 684	1,2	0.5	120	1	
EF-2	33	0.25	BROAN 684	1,2	0.5	120	1	
EF-3	280	0.25	BROAN 383	1,2	2.3	120	1	
EF-4	276	0.25	BROAN 383	2,3	2.3	120	1	
REMARKS:								
1. SWITCH WITH LIGHT								
2. VENT THROUGH ROOF								
3. WALL SWITCH								

CONDENSING UNIT SCHEDULE										
MECHANICAL REQUIREMENTS							ELECTRICAL REQUIREMENTS			
PLAN MARK	SERVES	TOTAL BTUH	SENSIBLE BTUH	SEER	MANUFACTURER AND MODEL	REMARKS	POWER			REMARKS
							DRAW	VOLTS	PHASE	
CU-1	F-1	48,000		10.05	COMFORTMAKER FBA Q48	1,2	25.1	208/230	1	
REMARKS: 1. MATCHING EVAPORATOR COIL 2. ON CONDENSING SET ON CONDENSING UNIT BY C.C.										

1. MECHANICAL DRAWINGS ARE IN PART DIAGRAMATIC, INTENDED TO INDICATE, GENERAL ARRANGEMENT AND APPROXIMATE SIZES AND LOCATIONS OF EQUIPMENT, PIPING, DUCTS, AND OUTLETS. CONTRACTOR SHALL FOLLOW THESE DRAWINGS IN LAYING OUT THEIR WORK. CONSULT GENERAL CONSTRUCTION DRAWINGS TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THEIR WORK, AND SHALL VERIFY SPACES IN WHICH WORK WILL BE INSTALLED. COORDINATE WORK WITH OTHER TRADES AS JOB CONDITIONS REASONABLY REQUIRE.
2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE ORDINANCES, CODES, LAWS, STATUTES, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, AND SHALL SECURE AND PAY FOR ANY PERMITS, FEES, INSPECTIONS, ETC. REQUIRED.
3. CONTRACTOR SHALL COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SHALL NOTIFY ENGINEER IN WRITING IF QUESTIONS OR DISCREPANCIES ARISE.
4. MECHANICAL DRAWINGS ARE NOT INTENDED TO BE SCALED FOR ROUGHING IN MEASUREMENTS NOR SERVE AS SHOP DRAWINGS.
5. CONTRACTOR SHALL VERIFY SITE DIMENSIONS. NO CHANGE ORDERS WILL BE ALLOWED FOR CONDITIONS WHICH COULD BE VERIFIED AFTER DEMOLITION BUT BEFORE CONSTRUCTION.
6. RUN ALL DUCTWORK AS HIGH AS POSSIBLE IN GENERAL LOCATION SHOWN, BUT CONFORM TO ALL STRUCTURAL AND FINISH CONDITIONS OF THE BUILDING.
7. PROVIDE OVERHEAD DUCT SYSTEM. INSTALL AS STRAIGHT AS POSSIBLE WITH LONG RADIUS BENDS.
8. EACH CONTRACTOR SHALL CLEAN AWAY ALL DEBRIS, SURPLUS MATERIALS, ETC. RESULTING FROM WORK DAILY, LEAVING THE JOB IN A CLEAN CONDITION.
9. SUBMIT (6) SETS OF SHOP DRAWINGS ON ALL EQUIPMENT SHOWN ON SCHEDULES, TO ENGINEER FOR APPROVAL PRIOR TO ORDERING EQUIPMENT (4) SETS WILL BE RETURNED TO MECHANICAL CONTRACTOR.
10. AT THE CONCLUSION OF THE PROJECT, SUBMIT TO THE ENGINEER (4) COPIES OF A BALANCE REPORT. THIS REPORT SHALL SHOW THE DESIGN AND ACTUAL CFM FOR EACH FAN, FURNACE, AIR HANDLER, REGISTER, DIFFUSER, AND GRILLE.
11. PRIOR TO BALANCING, INSTALL CLEAN FILTERS IN EACH UNIT HAVING FILTERS. LEAVE OWNER WITH ONE SET OF SPARE FILTERS.
12. INSTRUCT THE OWNER OR HIS REPRESENTATIVE IN THE PROPER OPERATION & MAINTENANCE OF ALL EQUIPMENT INSTALLED AS A PART OF THIS PROJECT.
13. PROVIDE TO THE ENGINEER (2) COPIES OF OPERATION AND MAINTENANCE MANUALS. THESE MANUALS SHALL INCLUDE: COPIES OF APPROVED SHOP DRAWINGS, MANUFACTURER OPERATING AND MAINTENANCE MANUALS, PARTS LIST, NAME OF SUPPLIER WHO MAINTAINS PARTS INVENTORY, AND BALANCE REPORT. ENGINEER WILL TURN THESE MANUALS OVER TO THE OWNER AFTER THE FINAL INSPECTION.
14. ALL DUCTWORK IS ON MEZZANINE LEVEL WRAP WITH 1 1/2" DUCT WRAP.

1 FURNACE F-1 LOCATED ON MEZZANINE ABOVE
INSTALL FOR HORIZONTAL AIR FLOW.



3-18-99 APPROVED AS NOTED
BY: Thomas Lee WAC WAC
This approval shall not be construed as a certificate of domestication by the Building and Safety Dept. and its successors of the City of Westminster and compliance with all codes, ordinance and standards and all related provisions subsequently be determined. If the contractor and his contracting agent will be required to show their qualifications.

AC PLAN

#34	1999 (99-879)	#34
2637 14 HWY W WAREHOUSE & OFFICE AREA		

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S

COLUMNS USED IN MORTON BUILDINGS ARE PRESSURE TREATED BELOW GRADE TO A RETENTION OF .8 POUNDS PER CUBIC FOOT WITH CHROMATED COPPER ARSENATE TYPE III, OXIDE TYPE, AS LISTED IN FEDERAL SPECIFICATION TT-W-571J. THE TREATED PORTION OF THE COLUMN EMBEDDED IN GROUND SHALL BE LAMINATED WITH STAINLESS STEEL NAILS.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG 4 FEET DEEP MIN. DEPTH BELOW GRADE AND READY-MIX CONCRETE PADS OR DRY CONCRETE MIX PADS ARE POURED IN PLACE (NOTE PLANS FOR SIZE & TYPE). TWO GALVANIZED STEEL BASE ANCHORS ARE PLACED 1" FROM BOTTOM OF COLUMN OR 1/2" GALVANIZED STEEL ROD PLACED 2 1/2" FROM BOTTOM OF COLUMN. (SEE SECTION) ADDITIONAL CONCRETE IS MIX POURED AROUND BASE OF COLUMN THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS.

SPLASHBOARDS - SPLASHBOARDS ARE NO. 2 OR BETTER SOUTHERN YELLOW PINE 2"x8" S2S AND CENTER MATCHED, PRESSURE TREATED TO NET RETENTION OF .6 POUNDS PER CUBIC FOOT WITH CHROMATED COPPER ARSENATE TYPE III, OXIDE TYPE, IN ACCORDANCE WITH AMERICAN WOOD PRESERVERS' ASSOCIATION SPECIFICATION C2. ONE ROW IS FURNISHED FOR BUILDING ON A LEVEL SITE.

FRAMING LUMBER - SIDE NAILERS ARE 2"x4" S4S OR 2"x6" SPF NO.2 OR BETTER SPACED APPROXIMATELY 30" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2"x4" S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER. (SEE SECTION)

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED. IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING PANELS (KYNAR 500/HYLAR 5000) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME, WITH AN ADDITIONAL BAKED-ON KYNAR 500/HYLAR 5000 FINISH. PAINT IS NOM. 1 MIL THICK ON EXTERIOR

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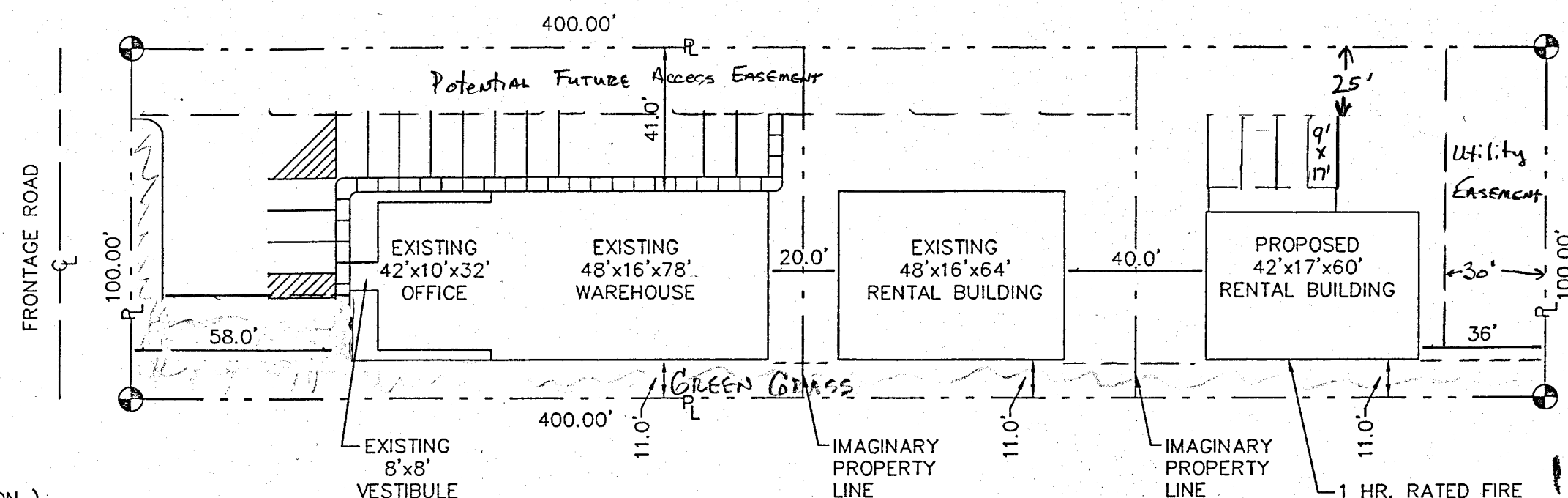
TRIM - DIE-FORMED TRIM OF 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE, WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, KYNAR 500/HYLAR 5000 FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.

ADDITIONAL NOTES

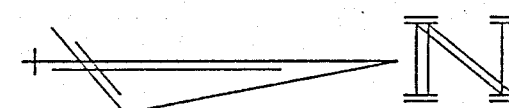
- ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.
- ALL INTERIOR PARTITIONS AND ROOM FINISHES IF NOT INCLUDED WITH THESE DRAWINGS SHALL BE PROVIDED BY OWNER. STANDARD FINISHES SHALL HAVE LESS THAN 200 FLAME SPREAD RATING AS REQUIRED BY ASTM E84 FOR ORDINARY CONDITIONS AND 25 OR LESS FOR EXITS, PASSAGEWAYS, AND CORRIDORS.
- FLOOR COVERINGS JUDGED TO REPRESENT AN UNUSUAL HAZARD SHALL MEET THE SAME TESTING PROCEDURES AS REQUIRED FOR WALL AND CEILING FINISHES.
- MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- KYNAR 500 IS A REGISTERED TRADEMARK OF ELF ATOCHEM NORTH AMERICA, HYLAR 5000 IS A TRADEMARK OF AUSIMONT, USA.

CS2x4KK 2-96



ROCHESTER-OLYMPIA PLANNING DEPT.
Appvd. 3/4/99 (date)
Permit No. 99-11-879
by Zoning Administrator
PLOT PLAN

SCALE: 10' 40' 80'
5' 20'



"The applicant hereby attests to the accuracy and completeness of this site/grading plan and hereby assumes responsibility for the correct placement of the structure and the proper grading upon the property as shown and approved by this permit."

Chad Beck Date 3-4-99
Applicant's Signature

BUILDING DESIGN CRITERIA	
USE GROUP	B / S-1
CONSTRUCTION TYPE	VN
LIVE ROOF LOAD DESIGN	30 PSF
WIND LOAD	80 MPH (EXP. C)
FLOOR AREA	2,736 SQ FT

TYPICAL LUMBER SPECIFICATIONS - 1991 NDS		
SIZE	DESCRIPTION	BENDING VALUE Fb
2"x4"	NO.1&2 SPF	1313 PSI
2"x4"	2100f MSR SPF	2100 PSI
2"x6"	NO.1&2 SPF	1138 PSI
2"x6"	NO. 1 SYP	1650 PSI
2"x8"	NO. 1 SYP	1500 PSI
2"x10"	NO. 1 SYP	1300 PSI
2"x12"	NO. 1 SYP	1250 PSI
ALL	1950f MSR SYP	1950 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

NOTE: HIGHER GRADE MATERIAL REQUIRED AS NOTED ON PLANS.

SHEET INDEX	
SHEET #	DESCRIPTION
1 OF 10	SPECIFICATIONS & PLOT PLAN
2 OF 10	COLUMN PLAN
3 OF 10	INTERIOR LAYOUT
4 OF 10	HANDICAP DETAILS
5 OF 10	ELEVATIONS
6 OF 10	SECTIONS & FIREWALL DETAILS
7 OF 10	SECTIONS & DETAIL
8 OF 10	SECTION & STAIR CRITERIA
9 OF 10	SECTION & SHEARWALL DETAILS
10 OF 10	TRUSS DRAWING

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER.

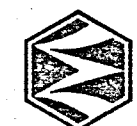
RONALD L. SUTTON, P.E.
MICHAEL L. MCCORMICK P.E.
DATE: 3-1-99 REG. #: 12270

OFFICE:
ROCHESTER, MN
JOB NO.
88-2678

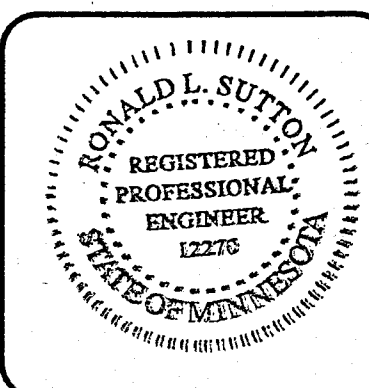
MORTON BUILDINGS REAL ESTATE DEVELOPMENT

ROCHESTER, MN.

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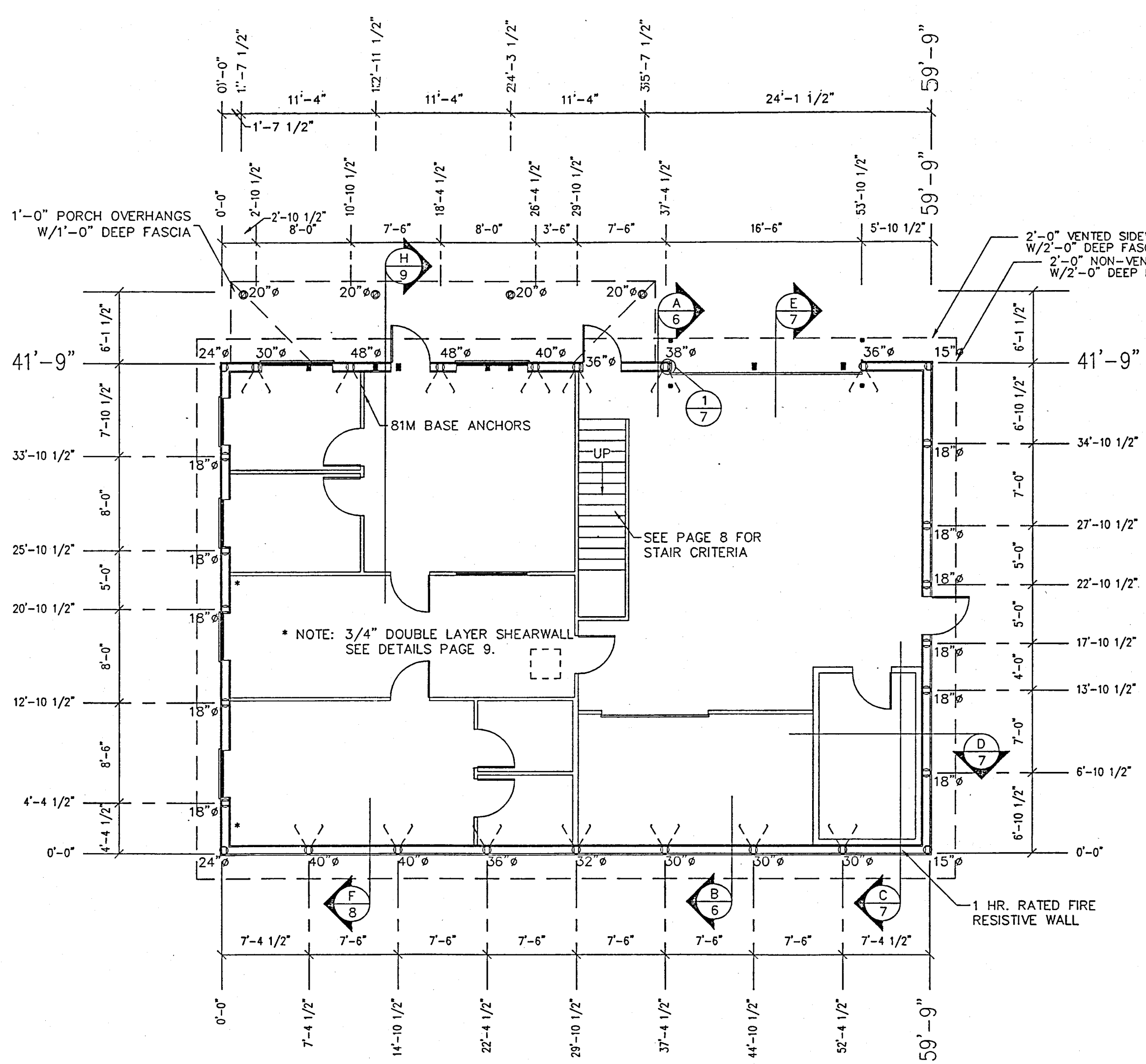
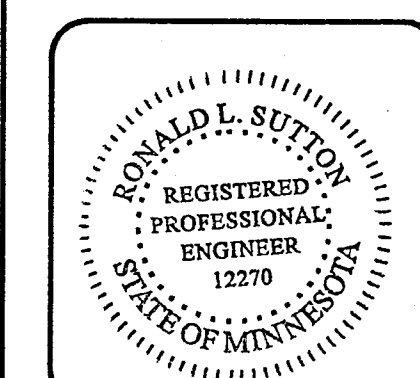


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CHECKED BY:	DON T.
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SCALE: AS NOTED
SHEET NO.
1 OF 10

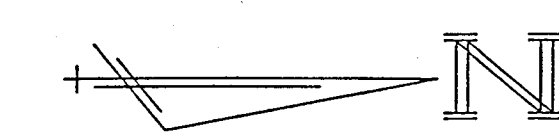
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COLUMN PLAN
SCALE: 1" = 4'

COLUMN PLAN LEGEND

- - 3-2"x8" LAMINATED COLUMN LOCATION
- - 3-2"x6" LAMINATED COLUMN LOCATION
- - HEADERED TRUSS LOCATION
- - 30"x30" ATTIC ACCESS PANEL
- - 15" DIA. FOOTING
8" THICK READI-MIX PAD. PLACE
(1)50# BAG OF SACKRETE AROUND
COLUMNS WHEN SETTING.
- - 18" DIA. FOOTING
8" THICK READI-MIX PAD. PLACE
(2)50# BAGS OF SACKRETE PRE-
MIXED W/WATER AROUND COLUMNS
WHEN SETTING.
- - 20" DIA. FOOTING
8" THICK READI-MIX PAD. PLACE
(2)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMNS WHEN
SETTING.
- - 24" DIA. FOOTING
10" THICK READI-MIX PAD. PLACE
(4)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMNS WHEN
SETTING.
- - 30" DIA. FOOTING
12" THICK READI-MIX PAD. PLACE
(6)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMN WHEN
SETTING.
- - 36" DIA. FOOTING
14" THICK READI-MIX PAD. PLACE
(11)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMN WHEN
SETTING.
- - 38" DIA. FOOTING
15" THICK READI-MIX PAD. PLACE
(13)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMN WHEN
SETTING.
- - 40" DIA. FOOTING
16" THICK READI-MIX PAD. PLACE
(15)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMN WHEN
SETTING.
- - 48" DIA. FOOTING
20" THICK READI-MIX PAD. PLACE
(22)50# BAGS OF SACKRETE PRE-MIXED
W/WATER AROUND COLUMN WHEN
SETTING.

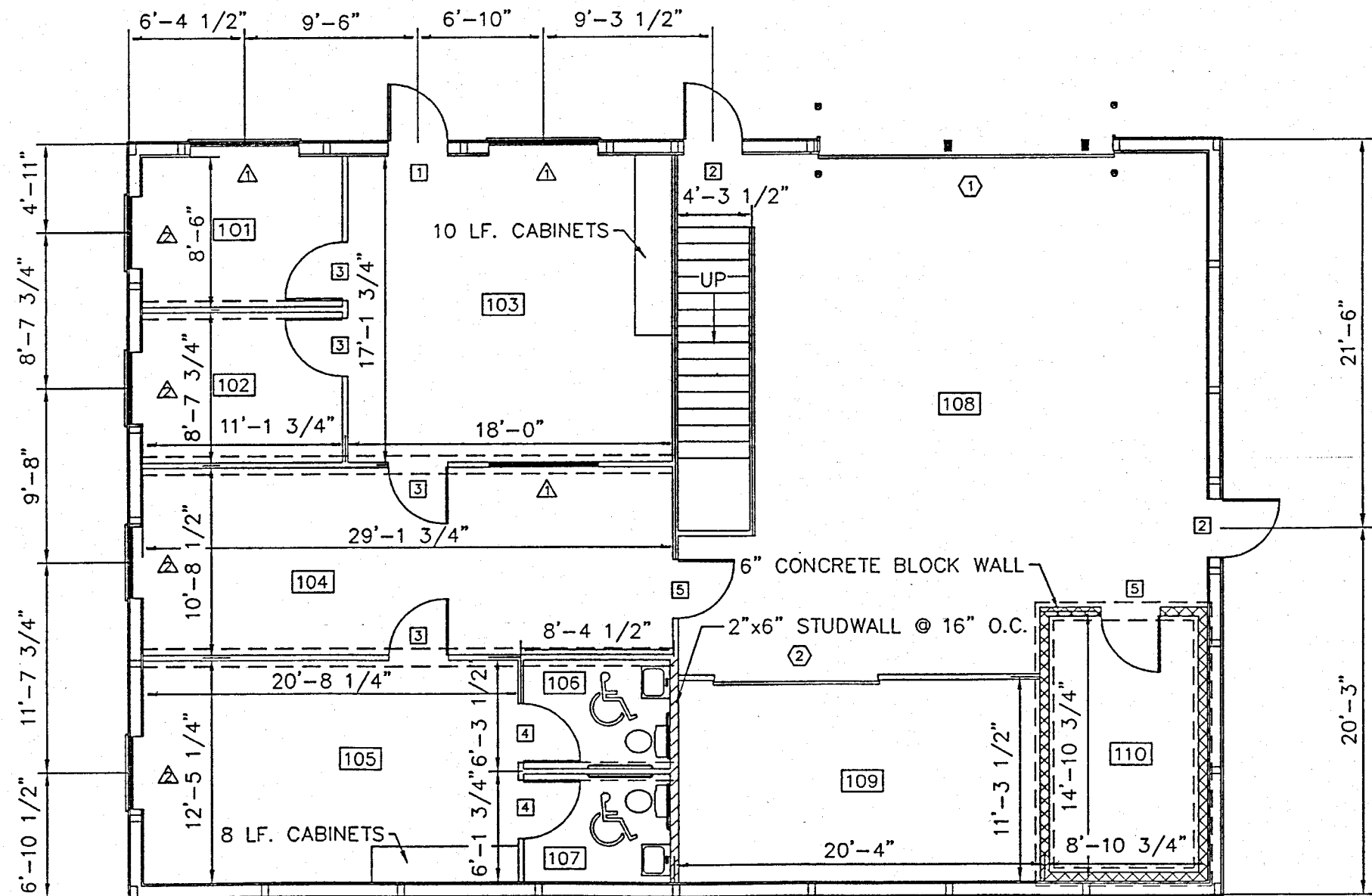


I hereby certify that this plan, specification, or report
was prepared by me or under my direct supervision and
that I am a duly Registered Professional Engineer under
the laws of the state of Minnesota.
Date 3-1-99 Reg. No. 12270

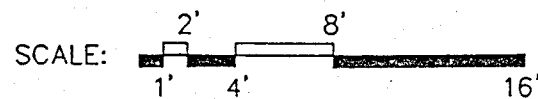
ROOM FINISH SCHEDULE							
ROOM #	DESCRIPTION	NOMINAL SIZE	CEILING HT.	FLOOR FINISH	BASE TRIM	WALL FINISH	CEILING FINISH
101	OFFICE	8'-6"x11'	8'-0"	COMM. CARPET	3 1/2" OAK	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
102	OFFICE	8'-6"x11'	8'-0"	COMM. CARPET	3 1/2" OAK	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
103	RECEPTION	18'x17'	8'-0"	COMM. CARPET	3 1/2" OAK	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
104	TECHNICIAN ROOM	10'-8"x29'	8'-0"	1/8" COMM VCT	4" VINYL	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
105	LUNCH/CONFERENCE ROOM	20'-6"x12'-6"	8'-0"	1/8" COMM VCT	4" VINYL	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
106	RESTROOM	5'-6"x8'	8'-0"	1/8" COMM VCT	4" VINYL	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
107	RESTROOM	5'-6"x8'	8'-0"	1/8" COMM VCT	4" VINYL	5/8" GYP BD, TAPED, PRIMED & PAINTED	5/8" GYP BD, TAPED, PRIMED & PAINTED
108	SHOP	29'x30'	17'-0"	SEALED CONC	STEEL TRIM	INTERIOR STEEL LINER	INTERIOR STEEL LINER
109	SOIL ROOM	20'x11'	17'-0"	SEALED CONC	STEEL TRIM	INTERIOR STEEL LINER	INTERIOR STEEL LINER
110	WET ROOM	9'x15'	8'-0"	SEALED CONC	STEEL TRIM	6" CONC. BLOCK	INTERIOR STEEL LINER
111							

DOOR SCHEDULE								
DOOR #	QTY	SIZE	STYLE	FIRE RATING	GLAZING	FRAME	TRIM	CLOSER
1	1	3070	NARROW STILE GLASS ENTRY	NO	TEMPERED GLASS	ANODIZED ALUMINUM	OAK COLONIAL CASING	YES
2	2	3068	EMBOSSED STEEL M-92	NO	N/A	PRE-HUNG WERZALITE	PAINTED STEEL FRAME	YES
3	4	3068	SOLID CORE OAK	NO	N/A	PRE-HUNG OAK	OAK COLONIAL CASING	NO
4	2	3068	SOLID CORE OAK	NO	N/A	PRE-HUNG OAK	OAK COLONIAL CASING	NO
5	2	3068	FLUSH STEEL M-1	NO	N/A	PRE-HUNG WERZALITE	PAINTED STEEL FRAME	NO
6	1	16'x14'	SECTIONAL OVERHEAD DOOR	NO	N/A	STD. HEADROOM TRACK	STEEL TRIM	
7	1	9'x7'	COIL-UP DOOR	NO	N/A		STEEL TRIM	
								ELECTRIC OPERATOR & (2) PAIR JAMB PROTECTORS

WINDOW SCHEDULE							
WINDOW #	QTY	SIZE	MANUF.	STYLE	CATALOG #	GLAZING	FRAME
1	2	6'x4'	HENTGES GLASS	PICTURE WINDOW	N/A	INSULSHIELD GLASS	ANODIZED ALUMINUM
2	4	4'x4'	HENTGES GLASS	PICTURE WINDOW	N/A	INSULSHIELD GLASS	ANODIZED ALUMINUM
3	1	6'x4'	?	PICTURE WINDOW	N/A	INSULSHIELD GLASS	ANODIZED ALUMINUM



INTERIOR LAYOUT



- NOTES: 1.) INTERIOR DIMENSIONS ARE TAKEN FROM INSIDE EDGE OF INTERIOR STRIPPING.
2.) INTERIOR STUDWALL DIMENSIONS ARE FROM CENTERLINE OF THE STUDWALL.
3.) EXTERIOR WINDOW & DOOR LOCATIONS ARE DIMENSIONED FROM THE EXTERIOR OF THE BUILDING COLUMN TO THE CENTERLINE OF THE WINDOW OR DOOR UNIT.
4.) STUDWALLS ARE TO BE 2"x4"S @ 16" O.C. UNLESS SPECIFIED OTHERWISE.
5.) SEE PAGE 4 FOR HANDICAP DETAILS.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Minnesota.
Date 3-1-99 Reg. No. 12270

OFFICE: ROCHESTER, MN.
JOB NO. 88-2670

MORTON BUILDINGS REAL ESTATE DEVELOPMENT

ROCHESTER, MN.



MORTON BUILDINGS, INC.

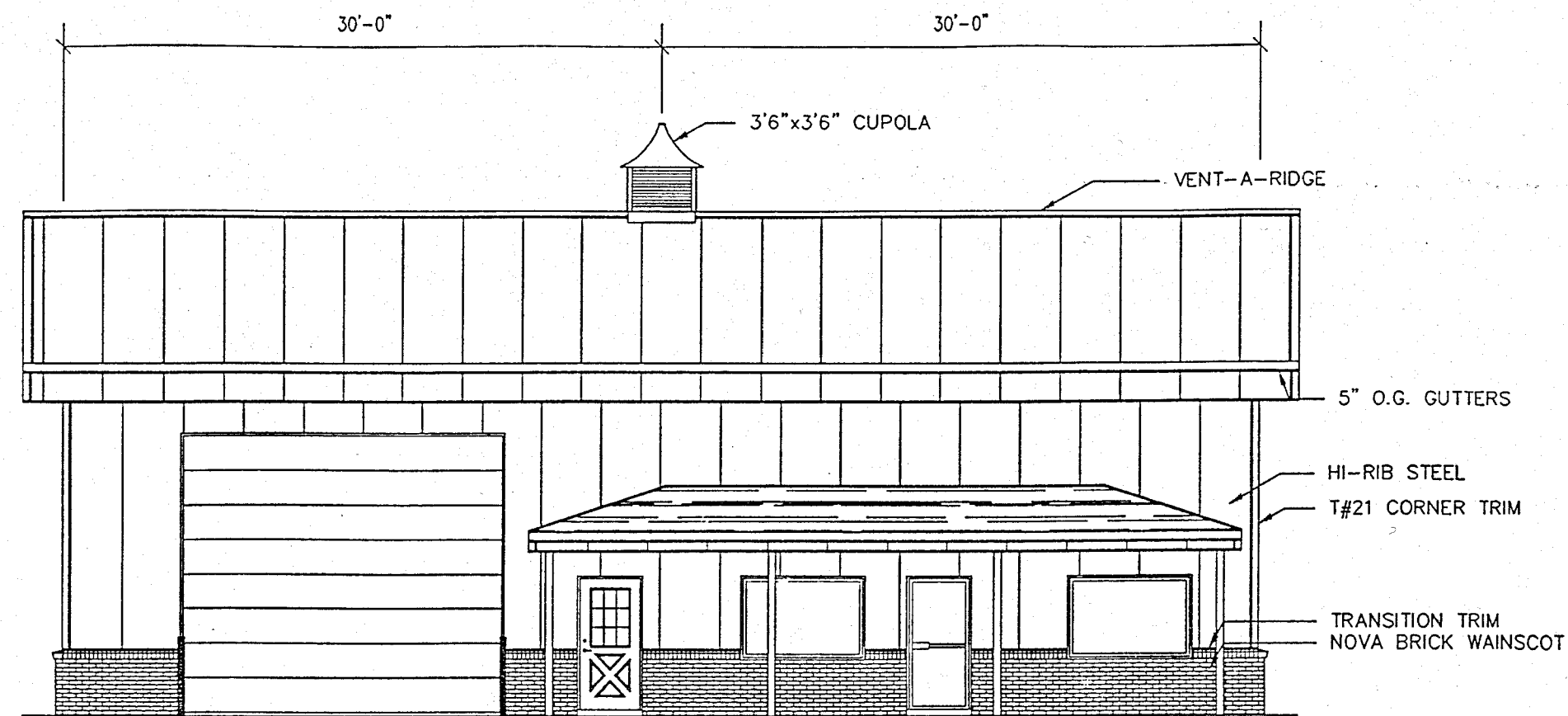
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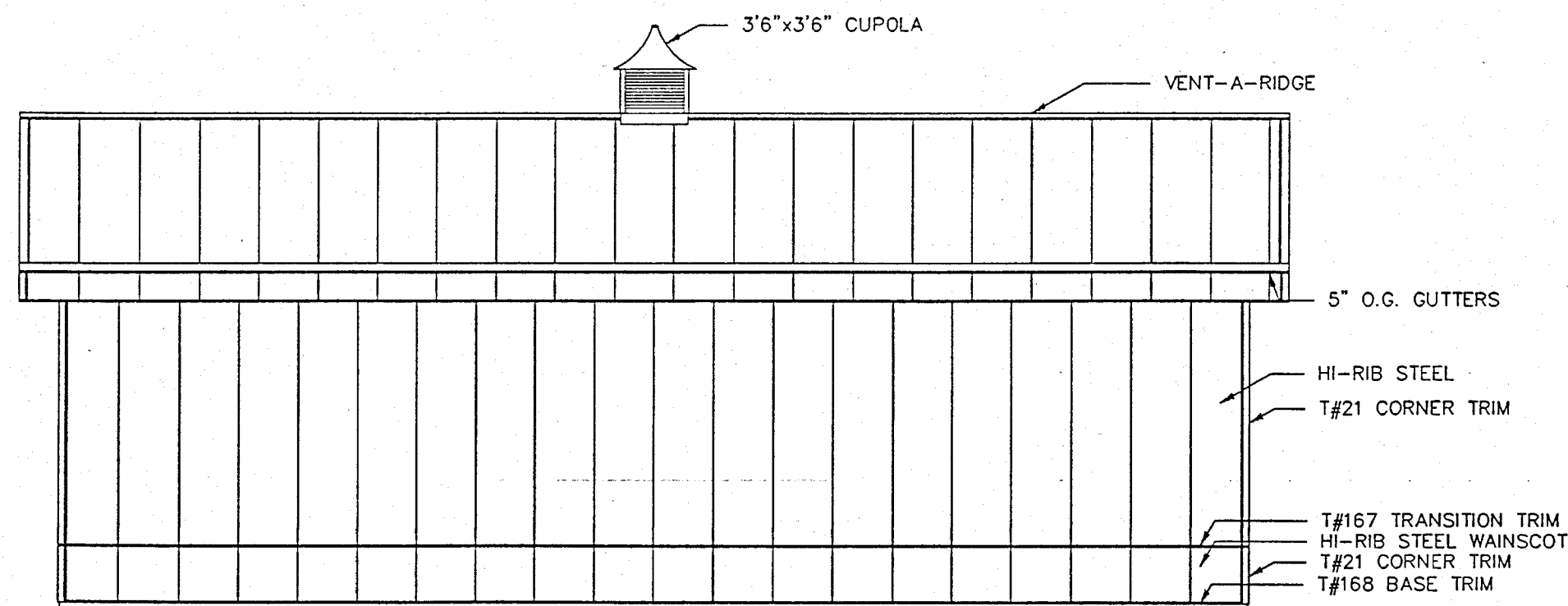


SCALE: AS NOTED
SHEET NO. 3 OF 10



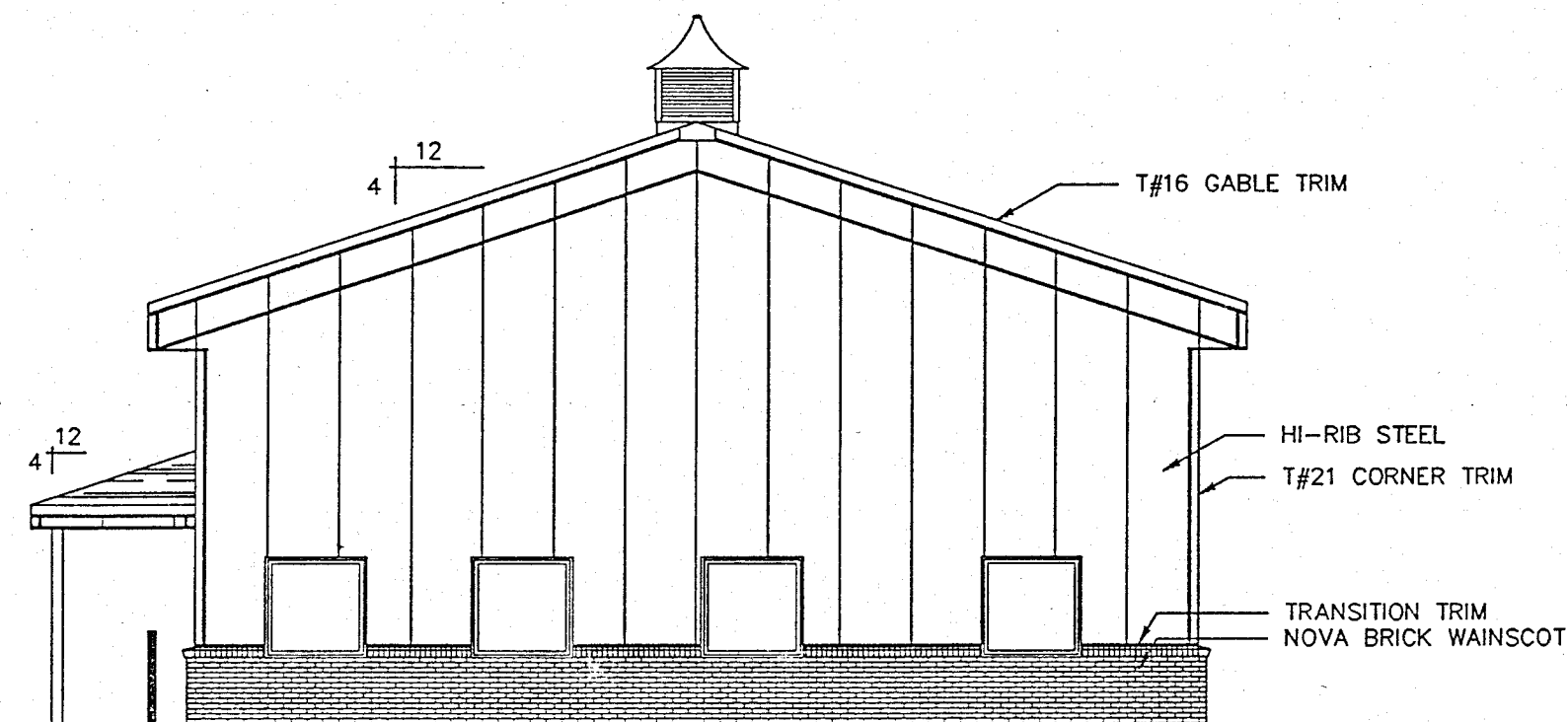
WEST ELEVATION

SCALE: 1" = 4' 8" = 16'



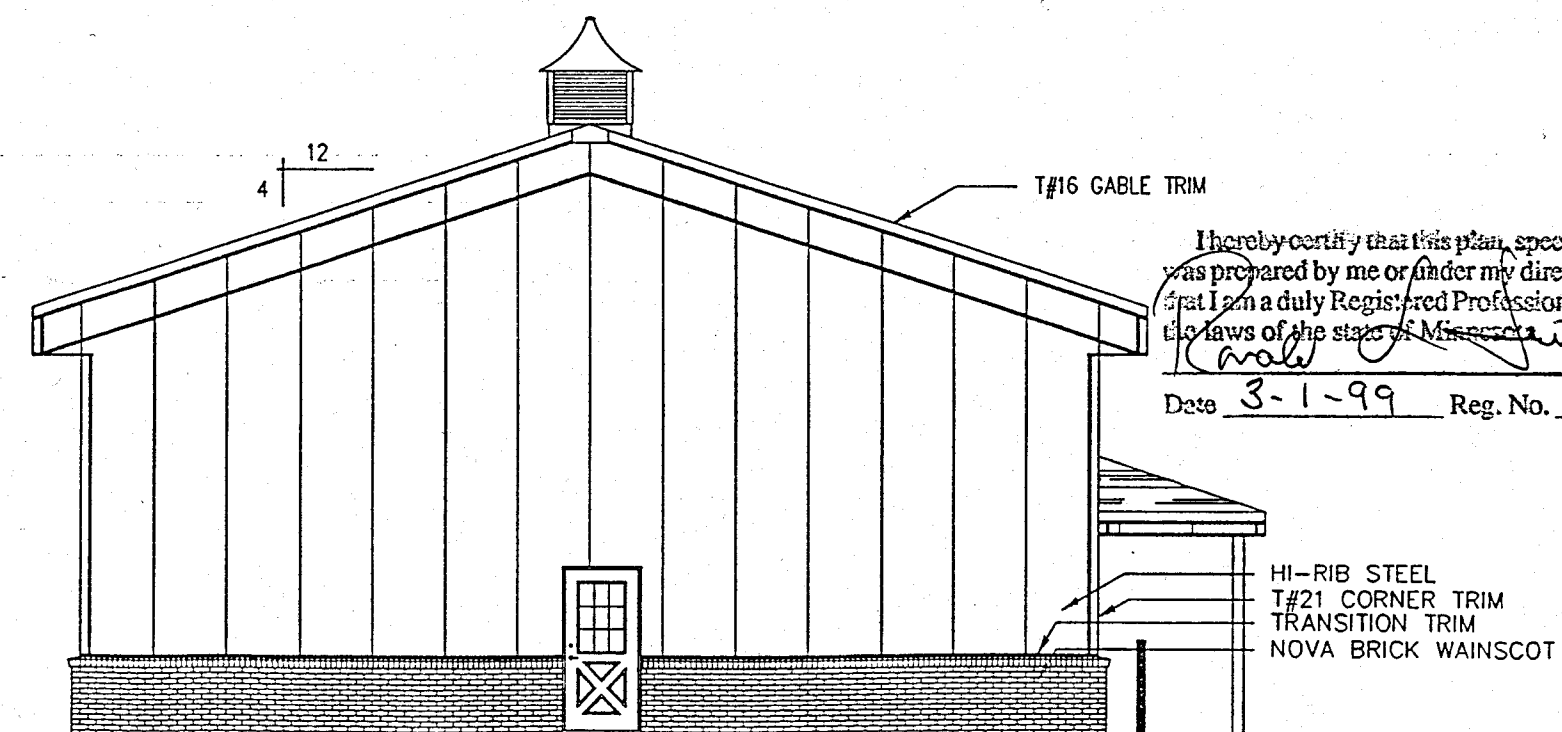
EAST ELEVATION

SCALE: 1" = 4' 8" = 16'



SOUTH ELEVATION

SCALE: 1" = 4' 8" = 16'



NORTH ELEVATION

SCALE: 1" = 4' 8" = 16'

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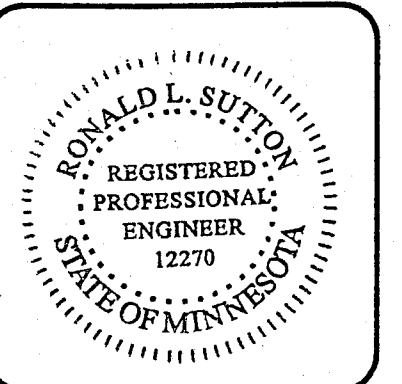
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ROCHESTER, MN.



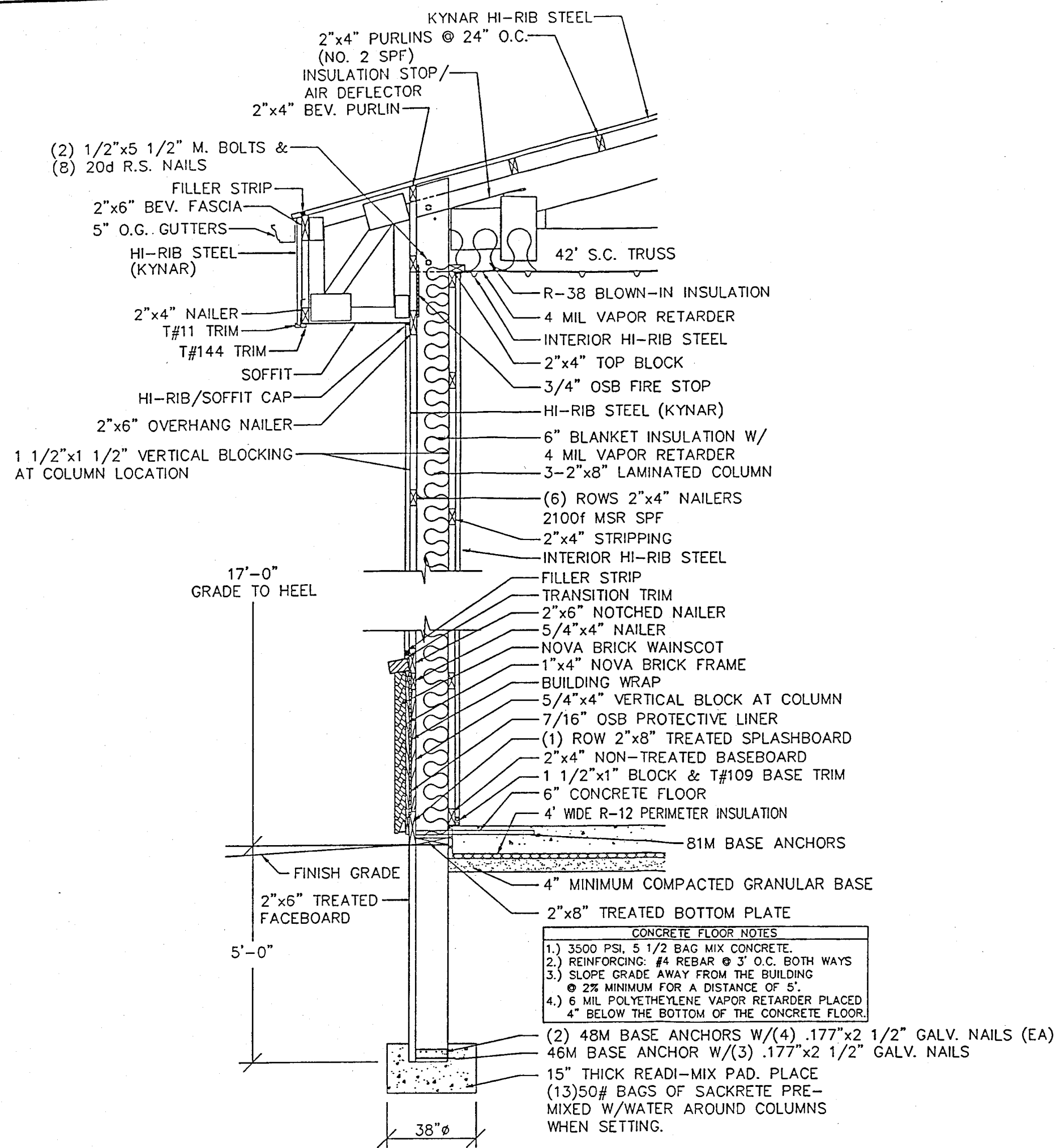
MORTON BUILDINGS, INC.



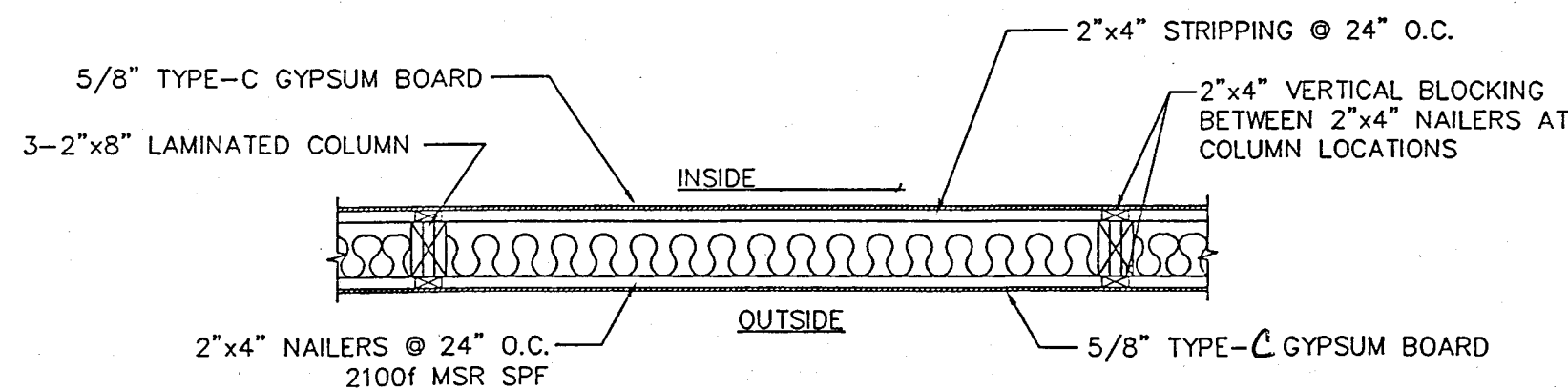
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SCALE: AS NOTED
SHEET NO.
5 of 10



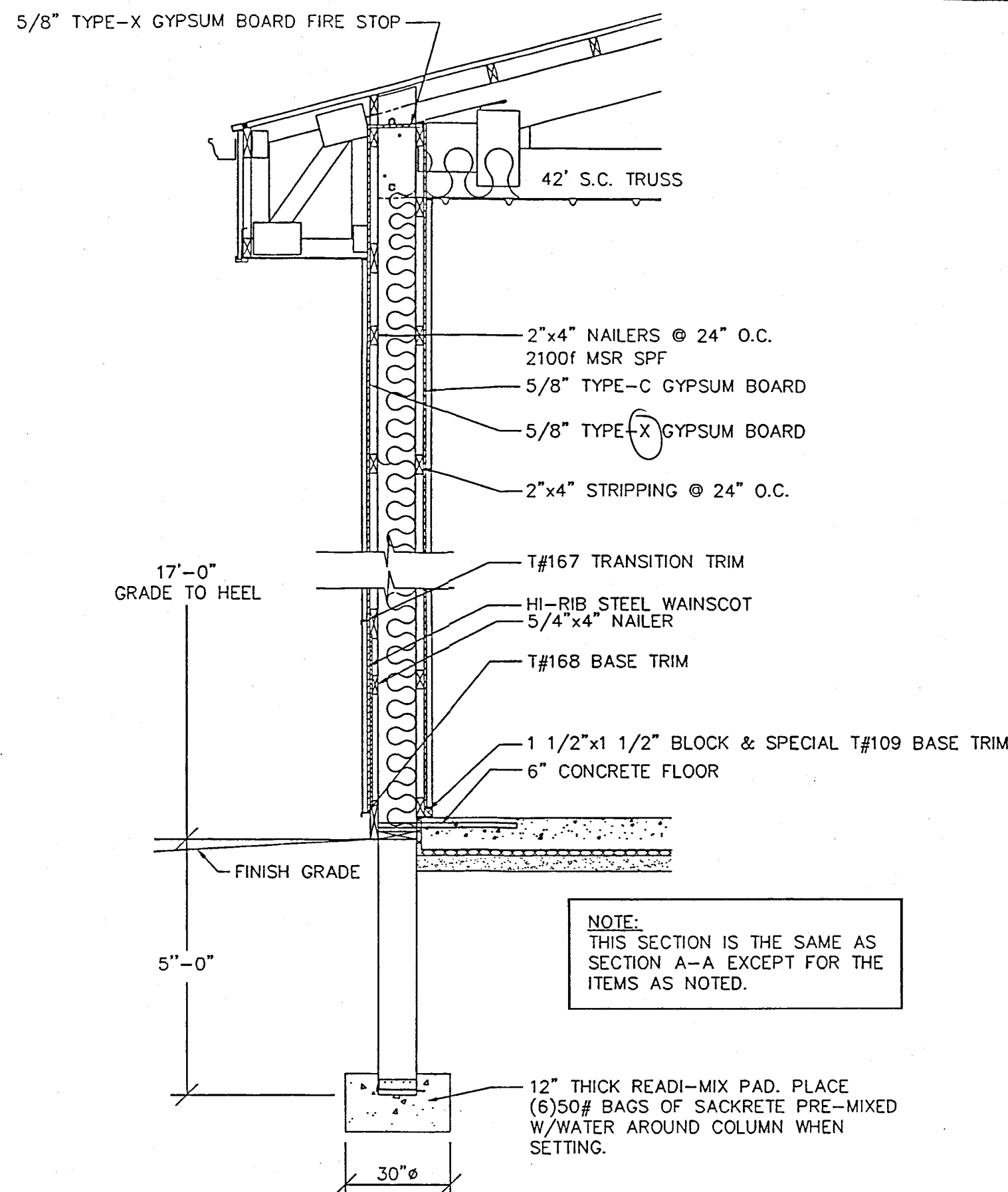
SIDEWALL SECTION A-A
80 M.P.H. (EXP. 'C') WIND LOAD SCALE: 1/2" = 1'-0"



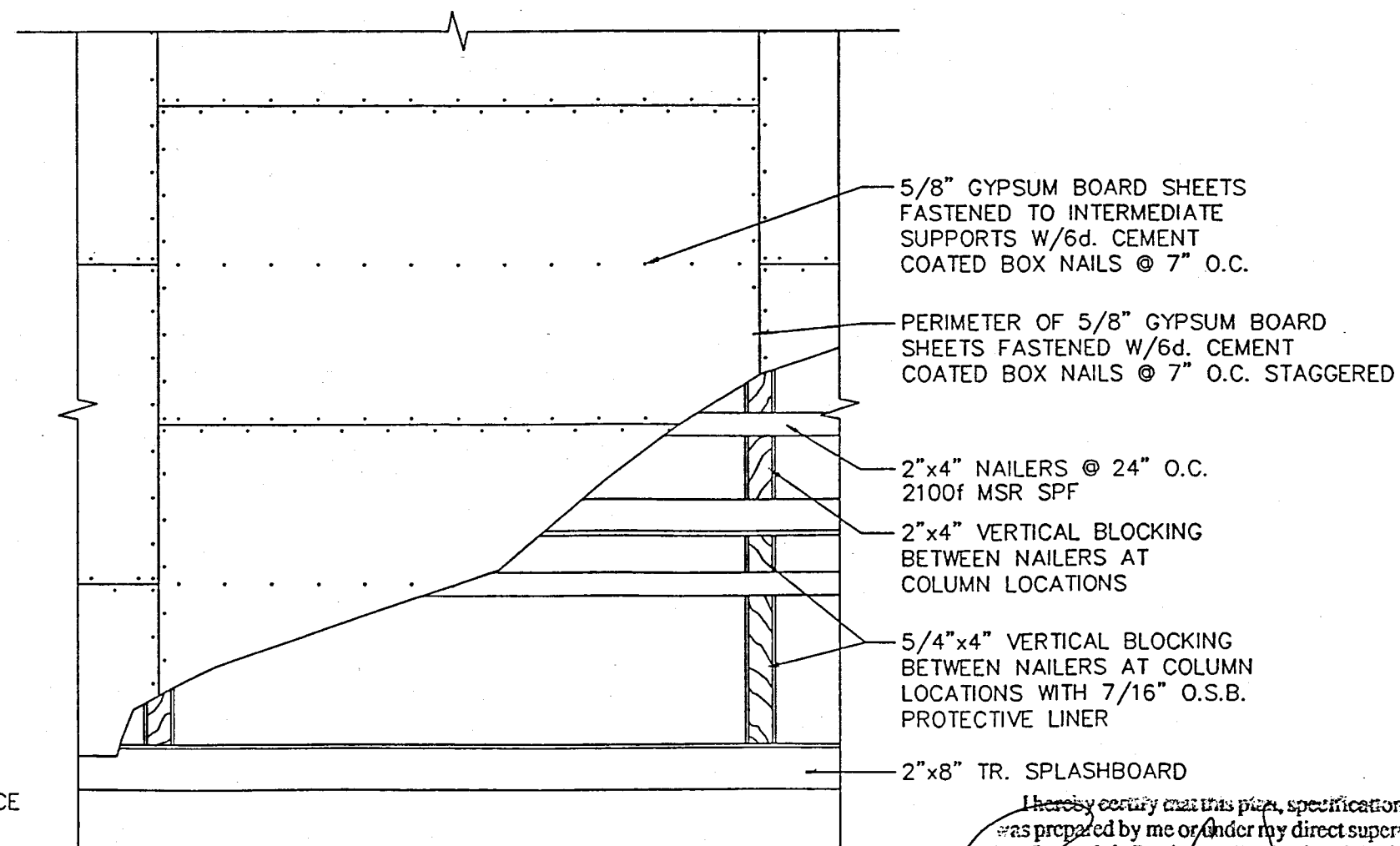
1 HOUR FIRE RATED WALL DETAIL
SCALE: 1/2" = 1'-0"

NOTES:

- 1) 1 HOUR FIRE RATED WALL IS DESIGNED IN ACCORDANCE WITH UL NO. U528.
- 2) ALL 5/8" GYPSUM PANEL EDGES TO BE BLOCKED WITH 2"x4"S AS SHOWN. NO TAPING IS REQUIRED.



1 HR. FIRE RATED SIDEWALL SECTION B-B
80 M.P.H. (EXP. 'C') WIND LOAD (U.L. NO. U528) SCALE: 1/2" = 1'-0"



1 HOUR FIRE RATED WALL NAILING DETAIL
SCALE: 1/2" = 1'-0"

OFFICE:
ROCHESTER, MN.
JOB NO.
88-2670

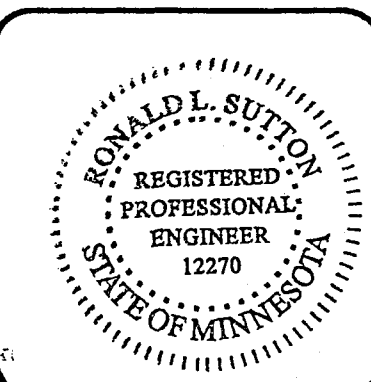
MORTON BUILDINGS REAL ESTATE DEVELOPMENT
ROCHESTER, MIN.



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SCALE: AS NOTED
SHEET NO.
6 OF 10

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Minnesota.
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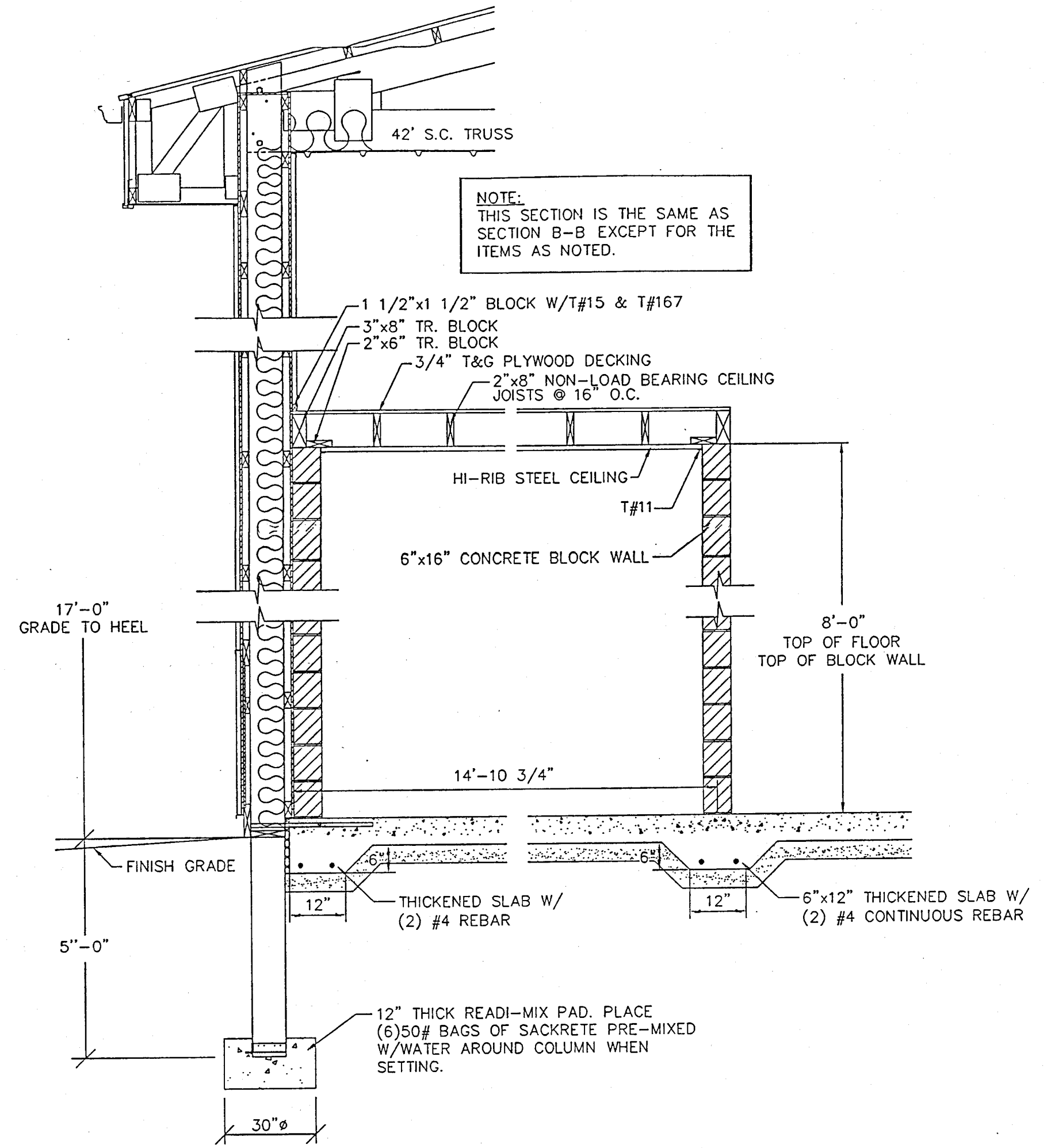
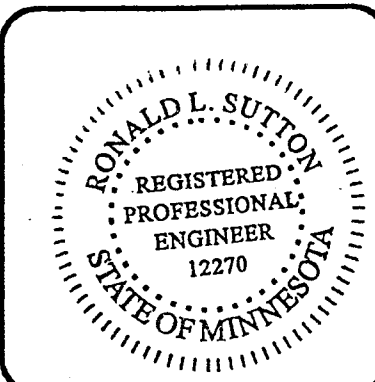
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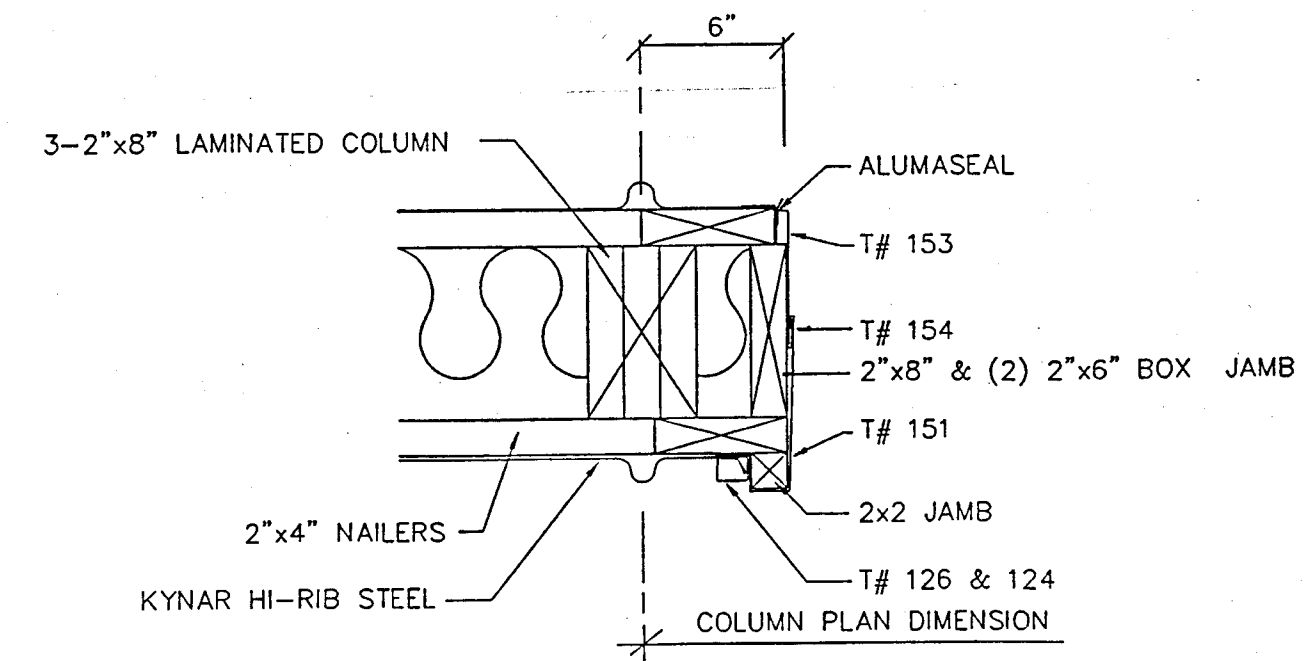
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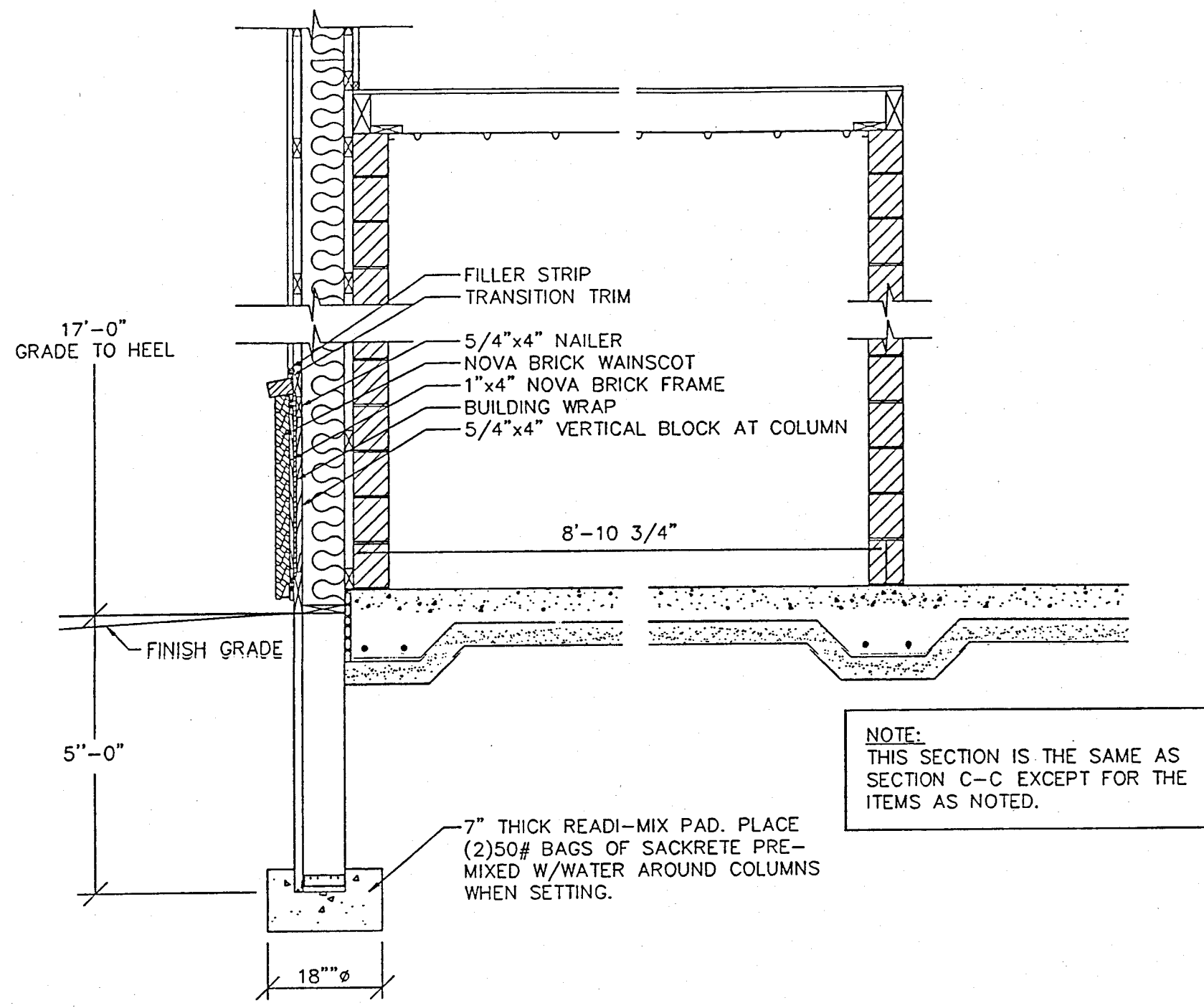
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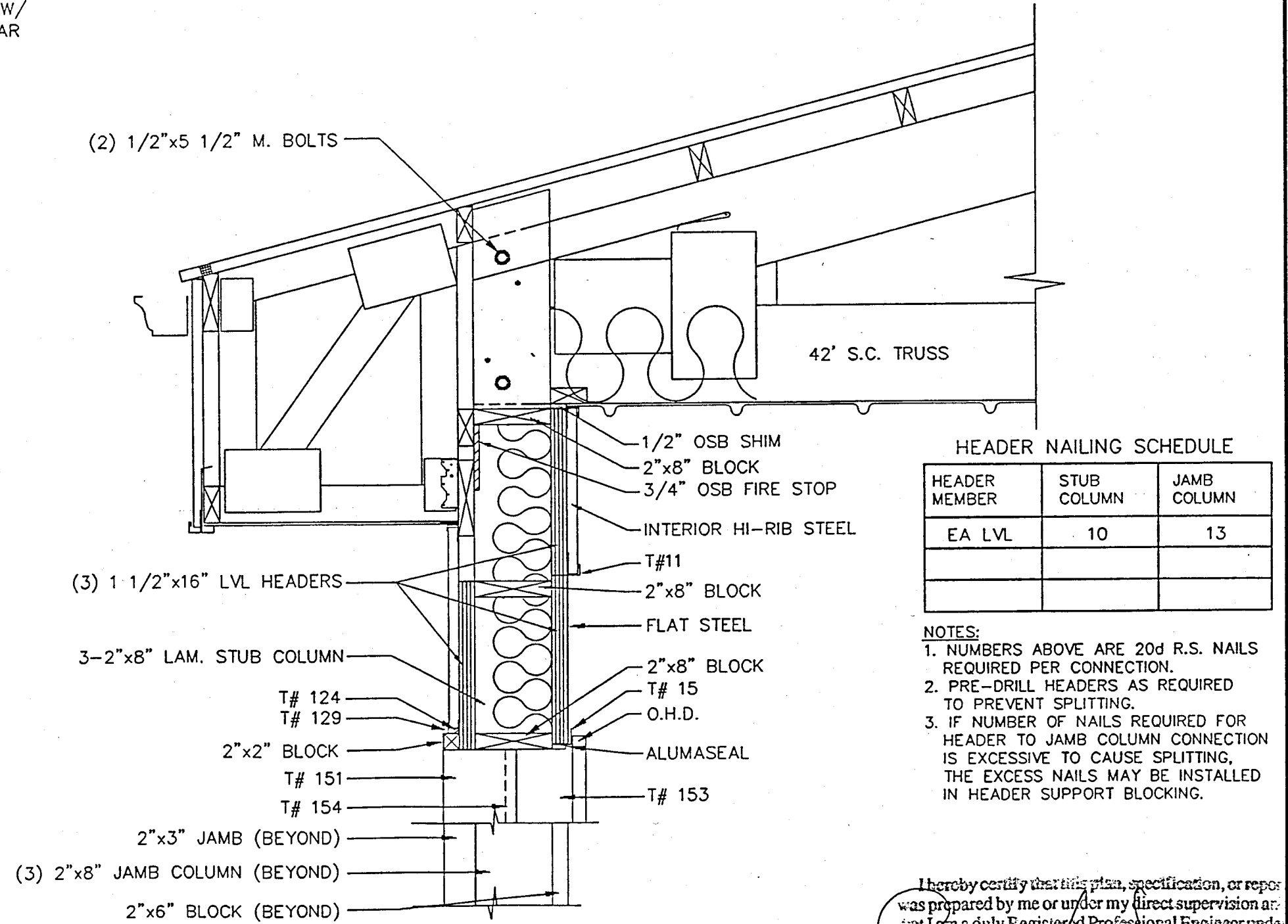
1 HR. FIRE RATED SIDEWALL SECTION C-C
80 M.P.H. (EXP. 'C') WIND LOAD (U.L. NO. U528) SCALE: 1/2" = 1'-0"



O.H.D. JAMB DETAIL #1
SCALE: 1 1/2" = 1'-0"



ENDWALL SECTION D-D
80 M.P.H. (EXP. 'C') WIND LOAD SCALE: 1/2" = 1'-0"



HEADER NAILING SCHEDULE

HEADER MEMBER	STUB COLUMN	JAMB COLUMN
EA LVL	10	13

NOTES:
1. NUMBERS ABOVE ARE 20d R.S. NAILS REQUIRED PER CONNECTION.
2. PRE-DRILL HEADERS AS REQUIRED TO PREVENT SPLITTING.
3. IF NUMBER OF NAILS REQUIRED FOR HEADER TO JAMB COLUMN CONNECTION IS EXCESSIVE TO CAUSE SPLITTING, THE EXCESS NAILS MAY BE INSTALLED IN HEADER SUPPORT BLOCKING.

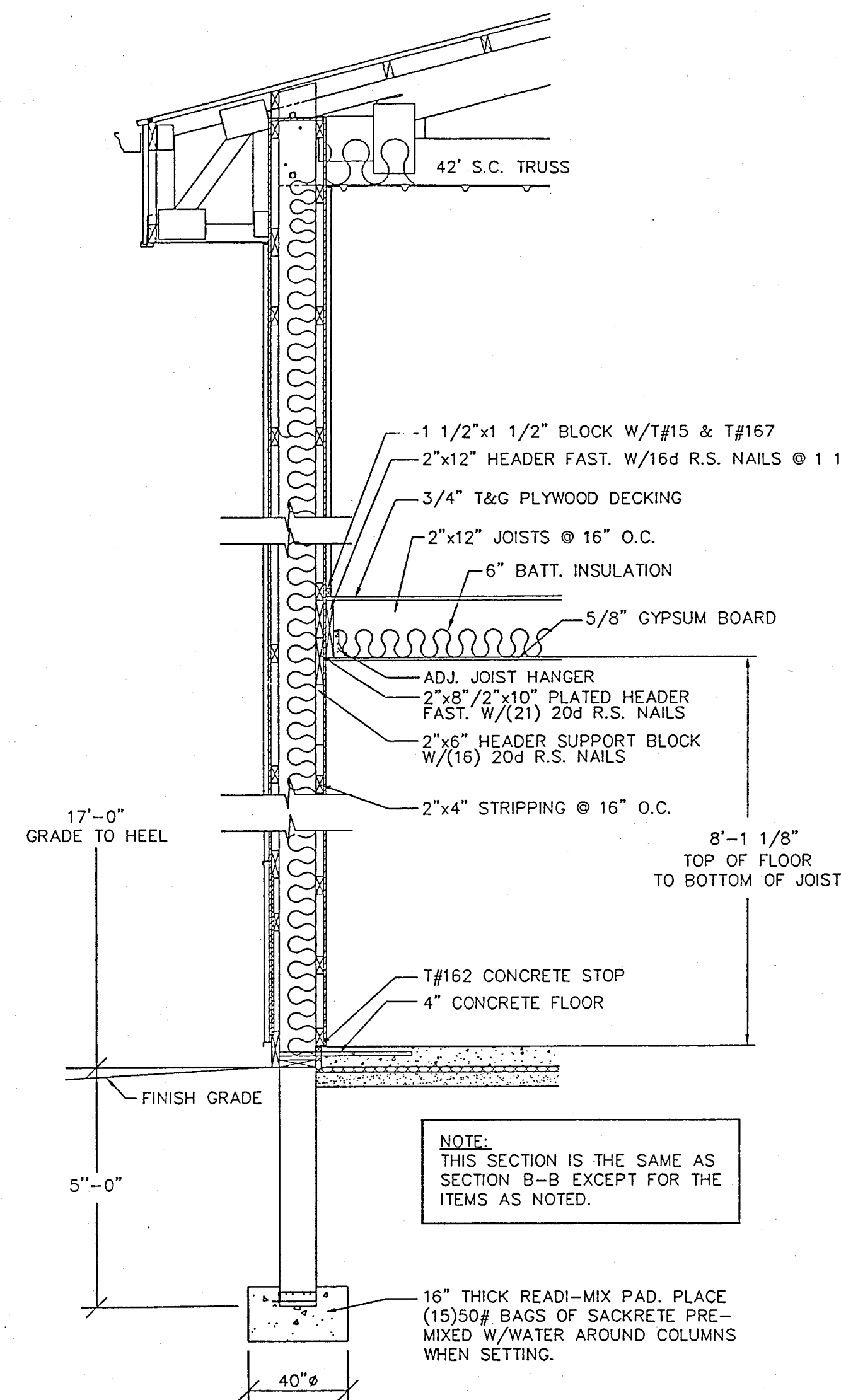
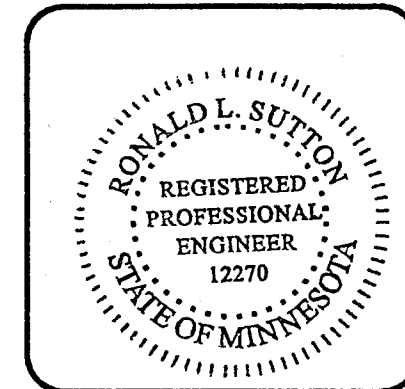
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OHD HEADER SECTION E-E
SCALE: 1" = 1'-0"

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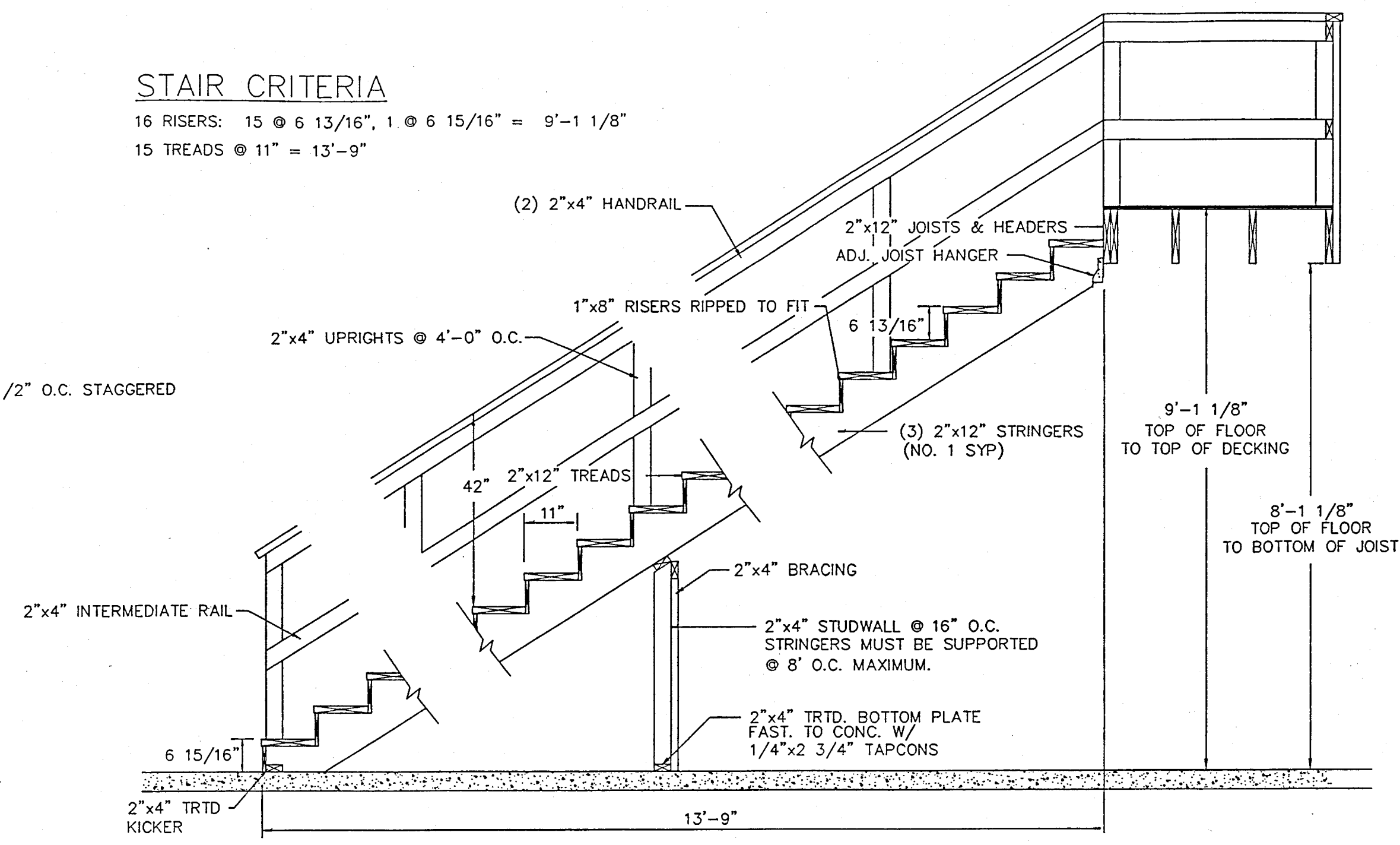
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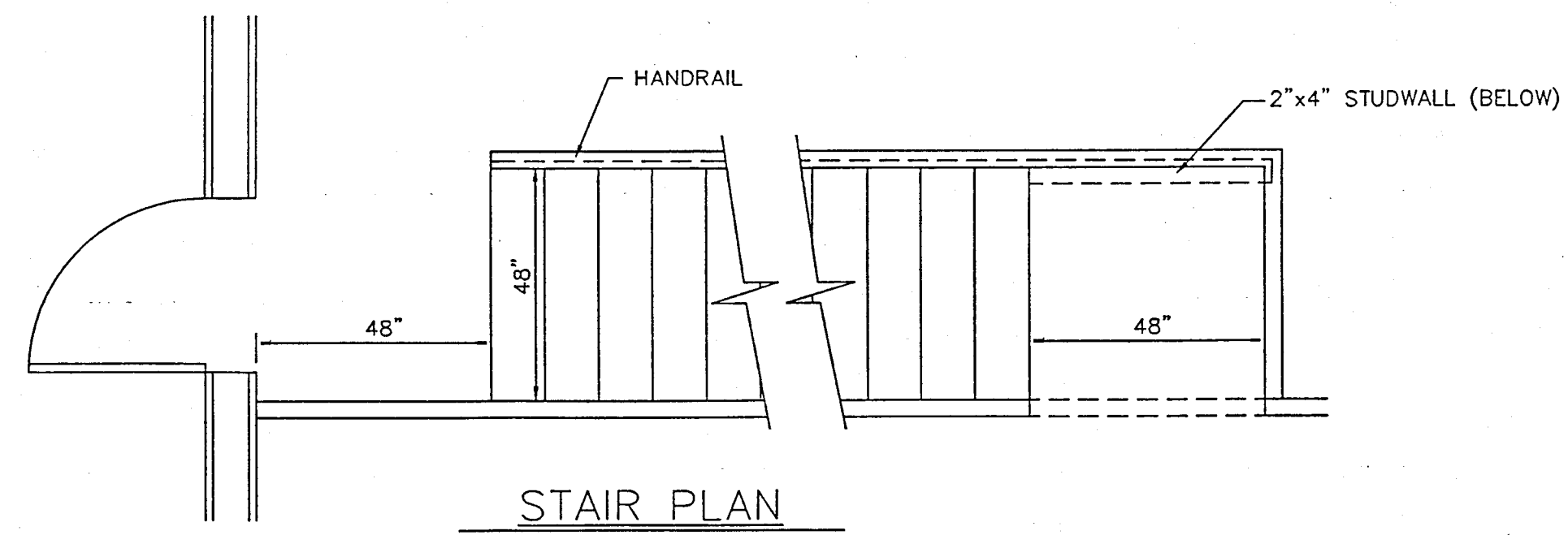
1 HR. FIRE RATED SIDEWALL SECTION F-F
80 M.P.H. (EXP 'C') WIND LOAD (U.L. NO. U528) SCALE: 1/2" = 1'-0"

NOTE:
THIS SECTION IS THE SAME AS
SECTION B-B EXCEPT FOR THE
ITEMS AS NOTED.

STAIR CRITERIA
16 RISERS: 15 @ 6 13/16", 1 @ 6 15/16" = 9'-1 1/8"
15 TREADS @ 11" = 13'-9"

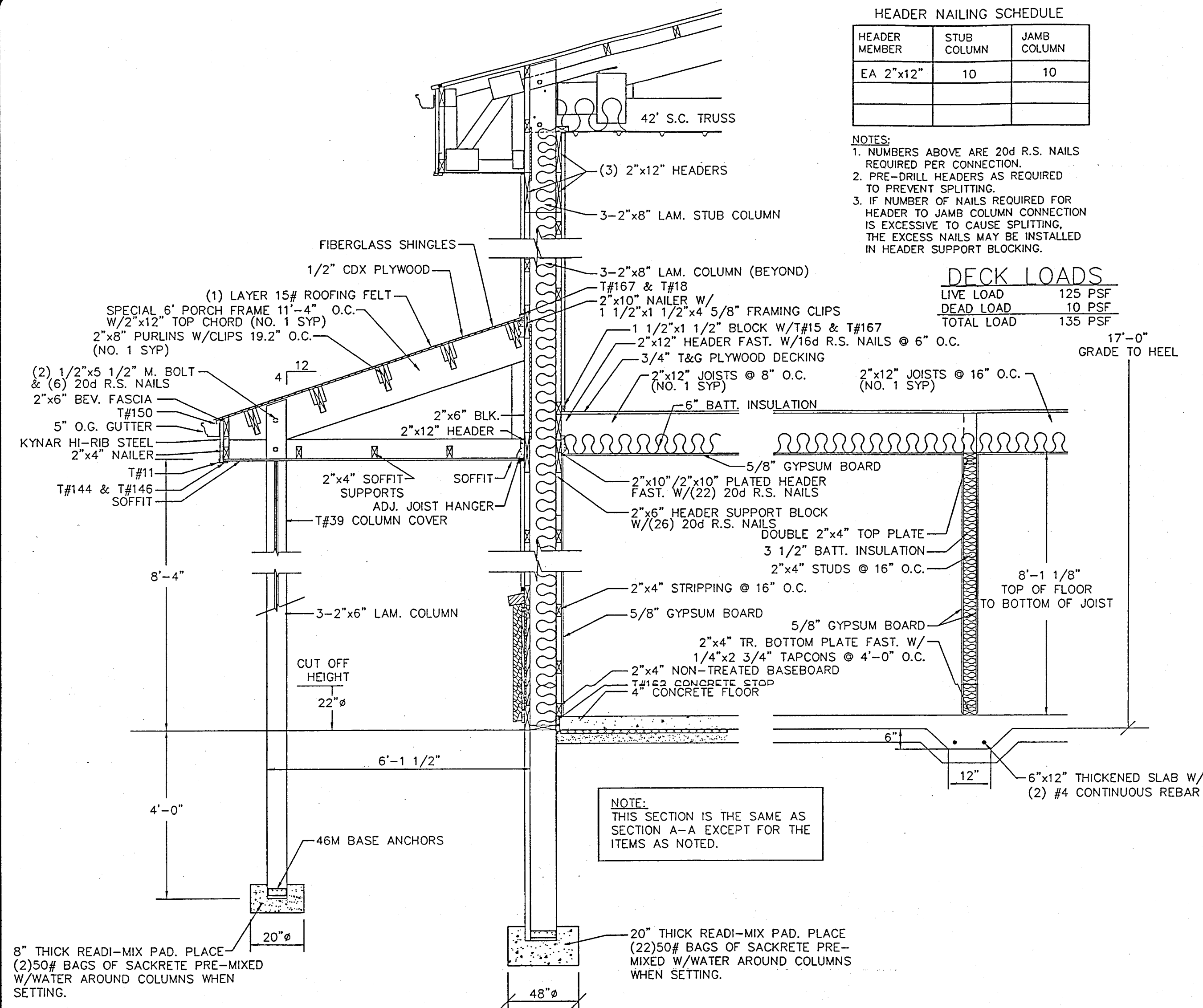


STAIR SECTION G-G
SCALE: 1/2" = 1'-0"



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

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HEADER NAILING SCHEDULE

HEADER MEMBER	STUB COLUMN	JAMB COLUMN
EA 2"x12"	10	10

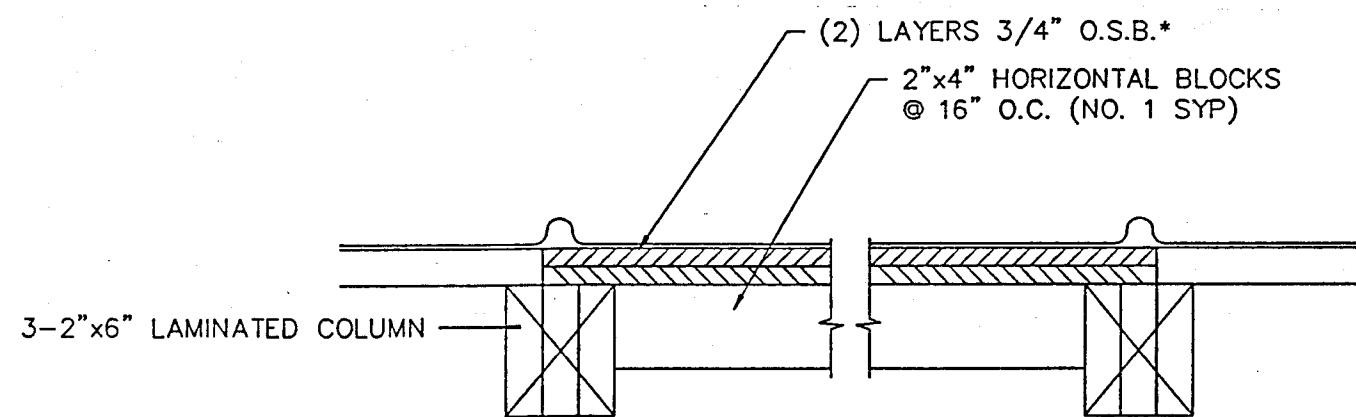
NOTES:

1. NUMBERS ABOVE ARE 20d R.S. NAILS REQUIRED PER CONNECTION.
2. PRE-DRILL HEADERS AS REQUIRED TO PREVENT SPLITTING.
3. IF NUMBER OF NAILS REQUIRED FOR HEADER TO JAMB COLUMN CONNECTION IS EXCESSIVE TO CAUSE SPLITTING, THE EXCESS NAILS MAY BE INSTALLED IN HEADER SUPPORT BLOCKING.

DECK LOADS

LIVE LOAD	125 PSF
DEAD LOAD	10 PSF
TOTAL LOAD	135 PSF

SIDEWALL SECTION H-H
80 M.P.H. (EXP. 'C') WIND LOAD
SCALE: 1/2" = 1'-0"



NOTE: INTERIOR LINER OMITTED FOR CLARITY.

- * - O.S.B. FASTENING INSTRUCTIONS:
- 1.) FASTEN FIRST LAYER 3/4" O.S.B. W/8d NAILS @ 3" O.C. ALONG PANEL EDGES AND 6" O.C. ALONG INTERMEDIATE FRAMING.
 - 2.) FASTEN SECOND LAYER 3/4" O.S.B. W/12d NAILS @ 3" O.C. ALONG PANEL EDGES AND 6" O.C. ALONG INTERMEDIATE FRAMING.

O.S.B. SHEARWALL DETAIL

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

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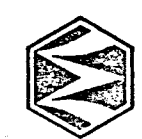
Ronald L. Sutton

Date 3-1-99 Reg. No. 12270

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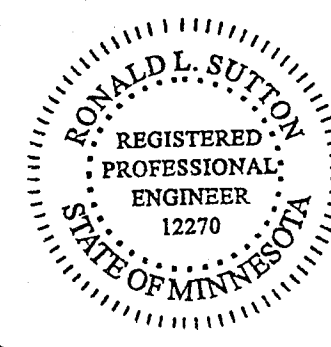


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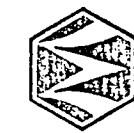


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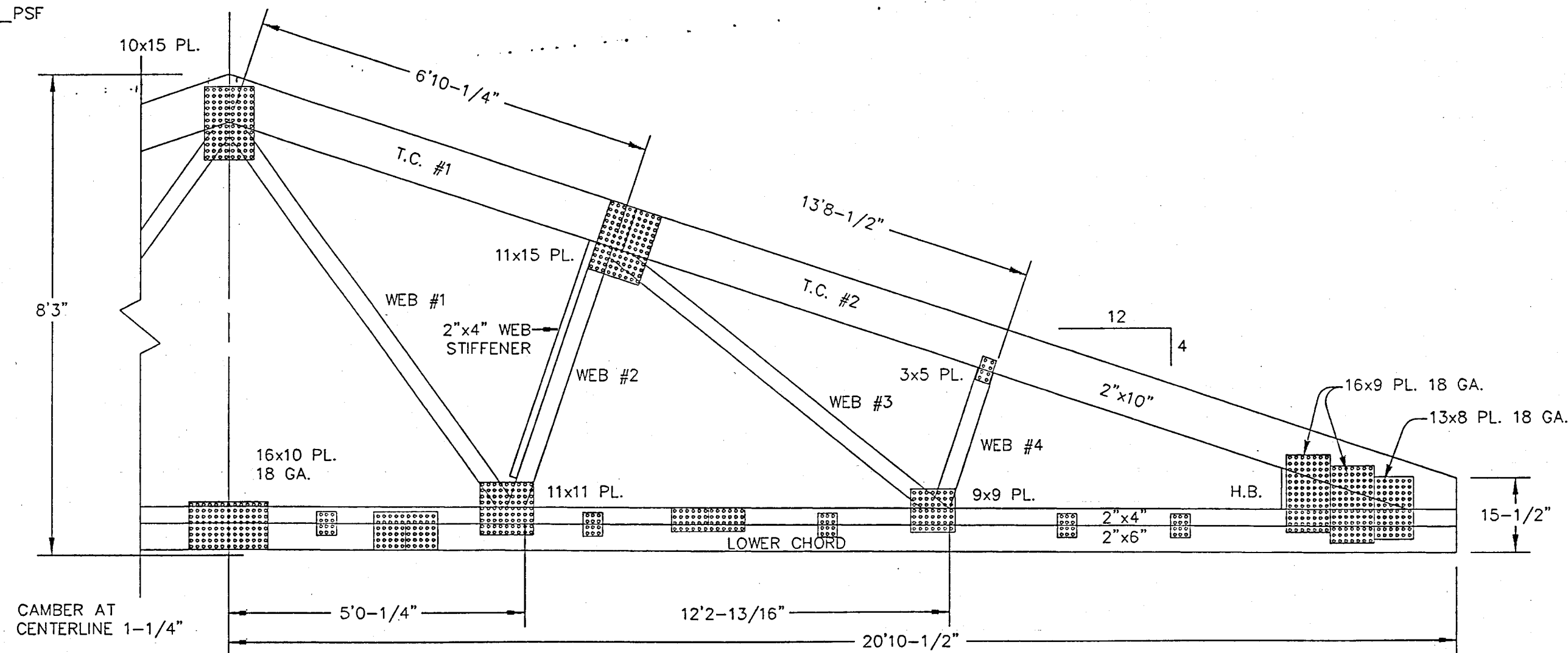
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TRUSS SPACING	7'-6" O.C.
LIVE LOAD	30 PSF
DEAD LOAD	4 PSF
CEILING LOAD	3 PSF
TOTAL LOAD	37 PSF



42' LL S.C. TRUSS
 SCALE: 1/2" = 1'-0"

TRUSS DESIGN SPECIFICATION:
 Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Output data will be provided upon request.

LUMBER SPECIFICATION (1991 NDS for Wood Construction):
 Lower Chord --- 1950f - 1.5E MSR Southern Pine
 Top Chord --- 1950f - 1.5E MSR Southern Pine
 Top Chord --- No. 1 K.D. - 19 Southern Pine
 Web Members --- No. 1 K.D. - 19 Southern Pine

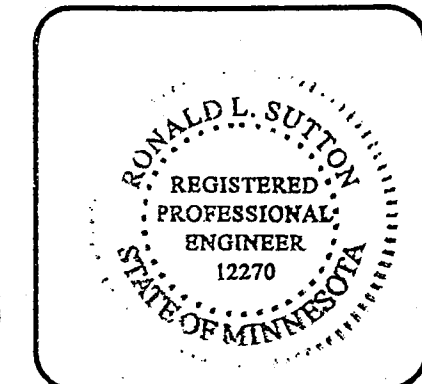
TRUSS PLATE SPECIFICATION (ICBO Evaluation Report No. 2929):
 ASTM A-446, Grade A 20 Ga. and 18 Ga. where noted, galvanized steel Morton truss plates identified by a hexagon stamped every 1-1/4" along the center of the plate.

RAFTER LENGTH 22'-0-1/16"
 Webs are 2x4's

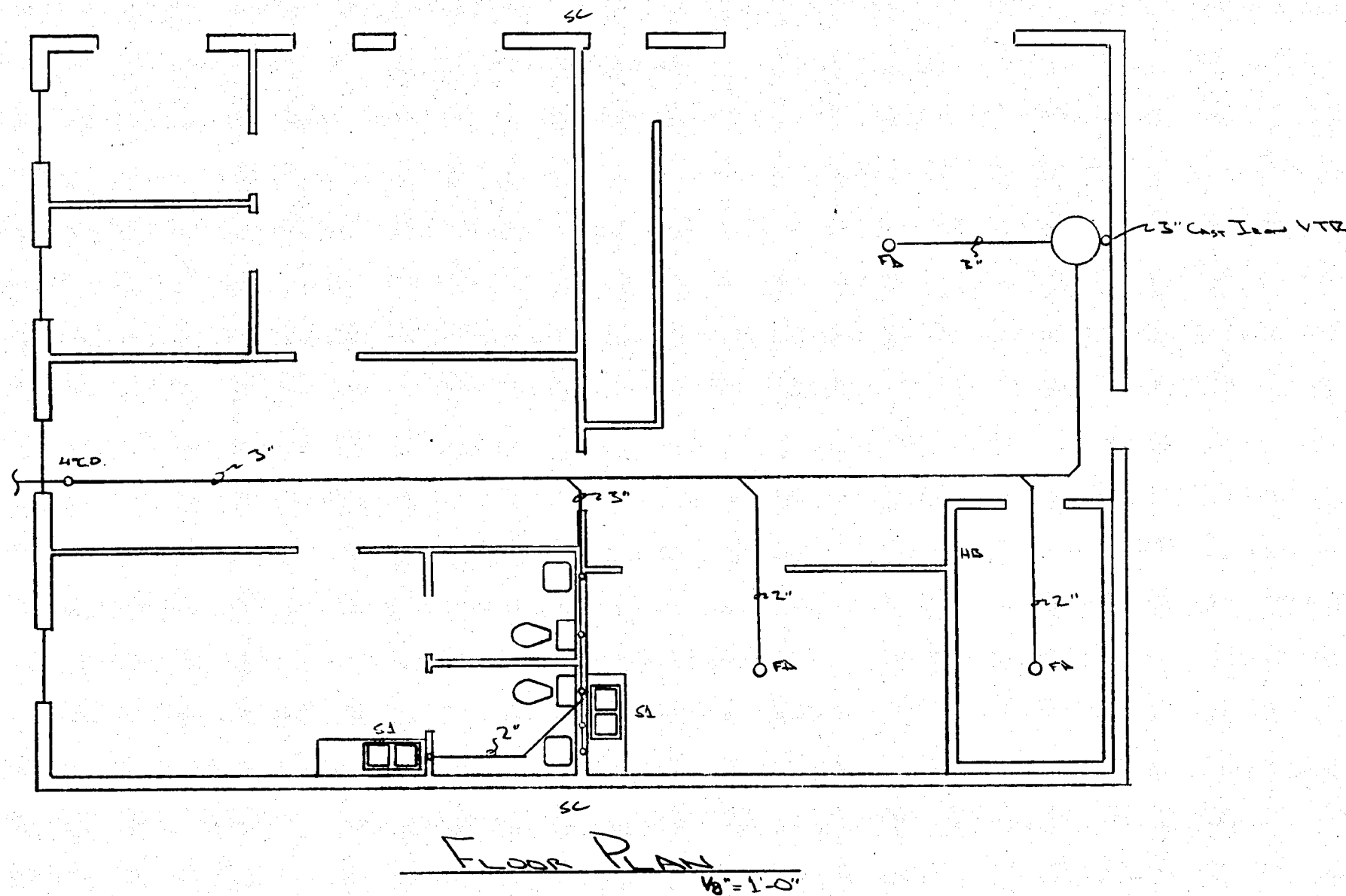
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FIXTURE SCHEDULE

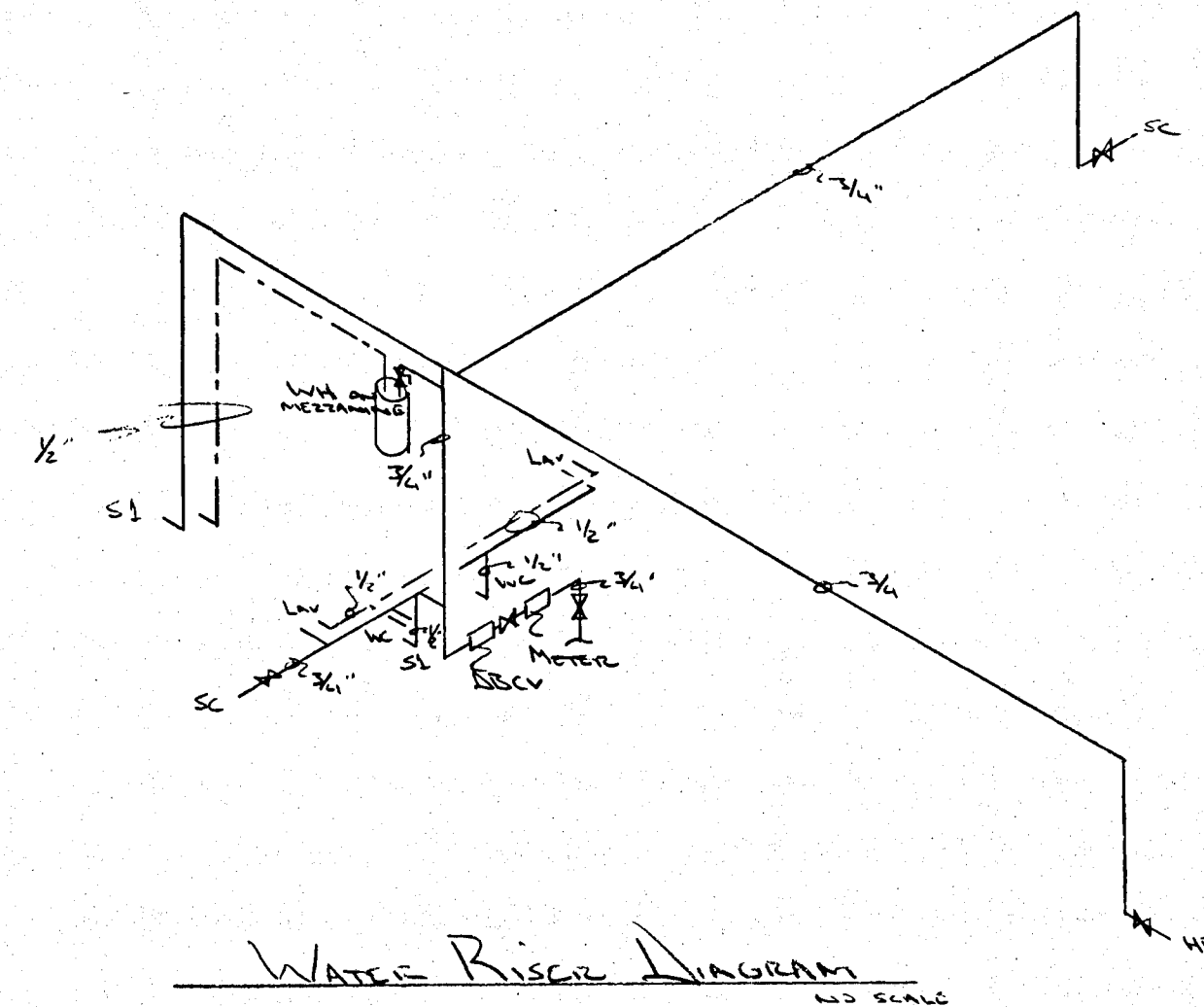
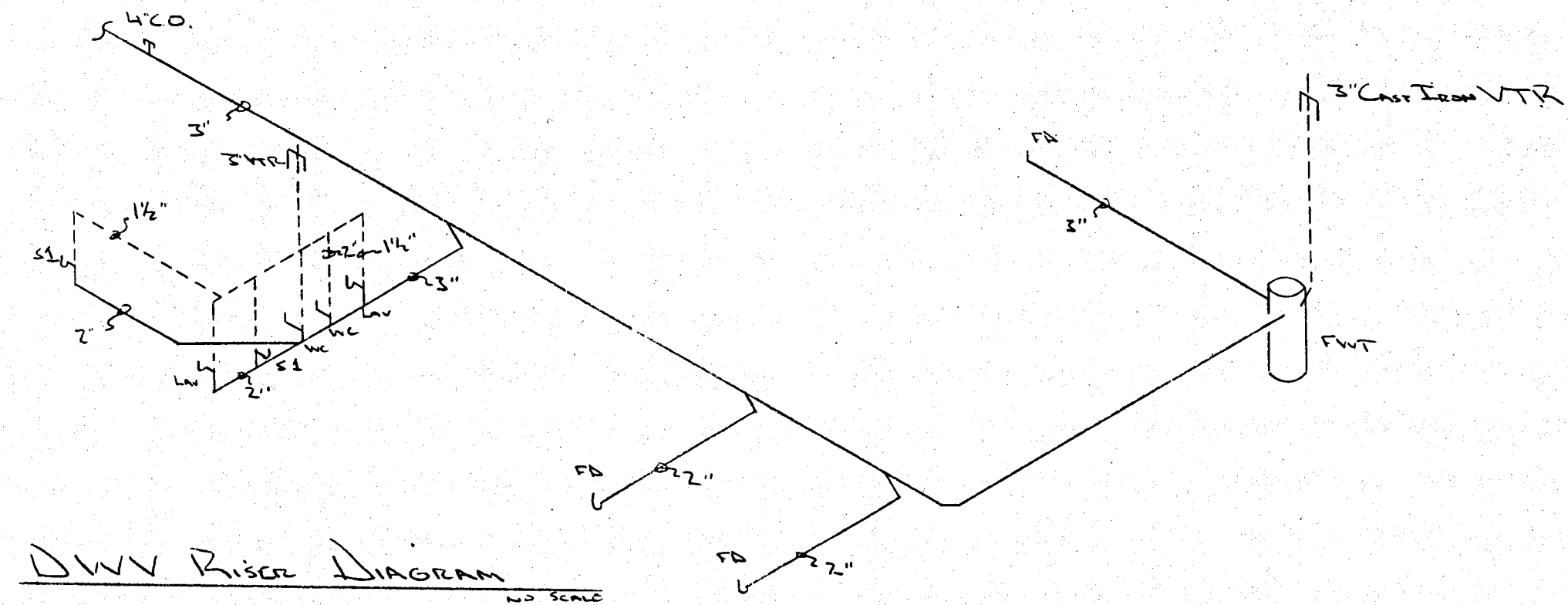
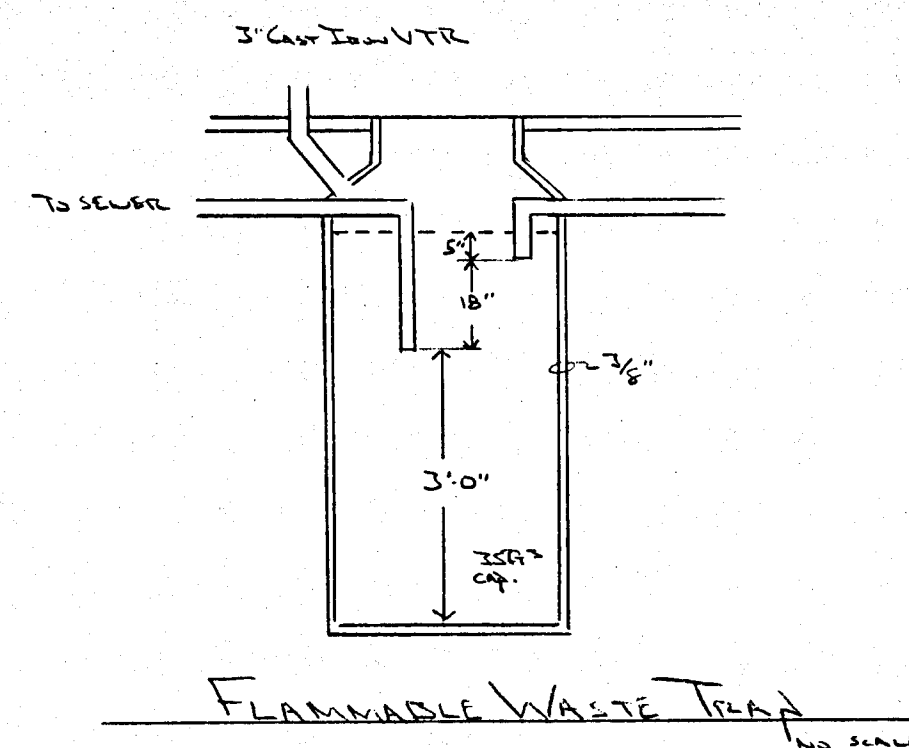
<u>Symbol</u>	<u>Description</u>
WC	ADA Water Saver Toilet
LAV	20" x 18" HB Wall Hung Sink w/ADA Faucet
S1	33" x 22" Two Compartment Stainless Steel Sink w/Faucet
FWT	Flammable Waste Trap
WH	40 Gallon Natural Gas Water Heater
SC	Outside Silcock(s)
HB	Hose Bib w/Vacuum Breaker
FD	Cast Iron Floor Drain

All drain, waste and vent piping to be schedule 40 PVC with solvent Weld joints and installed as per Minnesota Plumbing Code.

All hot and cold water distribution piping to be installed as per Minnesota Plumbing Code.

All plumbing systems to connect to existing services.

All handicapped fixtures to comply with ADA requirements.

[illegible]

BRAIN INTERTEC		
SCALE: VARIOUS	APPROVED BY Jim Gaudin Lic # JSSM010	DRAWN BY Dave Steinmetz
DATE: 3-8-99		
PLUMBING		
Superior Plumbing 12444 60th Ave NW Riverview, MN 55127	501-289-0729 Riverview, MN 55101	DRAWING NUMBER P-1