

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

ANCHORED ON CONCRETE - COLUMNS ARE ATTACHED TO CONCRETE BY USE OF 1/4" H.R. STEEL COLUMN SOCKETS. EACH SOCKET IS FASTENED TO THE CONCRETE BY TWO 1/2" DIA. x 8" PLATED ANCHOR BOLTS AND COLUMN IS FASTENED TO SOCKET BY (4) 1/2"x6" M. BOLTS & (8)20d R.S. NAILS.

TREATED LUMBER - PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED, PRESSURE TREATED TO A NET RETENTION OF .6 POUNDS PER CUBIC FOOT WITH A CODE AND INDUSTRY APPROVED PRESERVATIVE TREATMENT IN ACCORDANCE WITH AWWA STANDARD C2.

FRAMING LUMBER - SIDING NAILERS ARE 2"x4" S4S OR 2"x6" SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" 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.

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 & ROOFING [KYNAR 500 / HYLAR 5000] - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME, WITH AN ADDITIONAL BAKED-ON KYNAR 500 / HYLAR 5000 FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

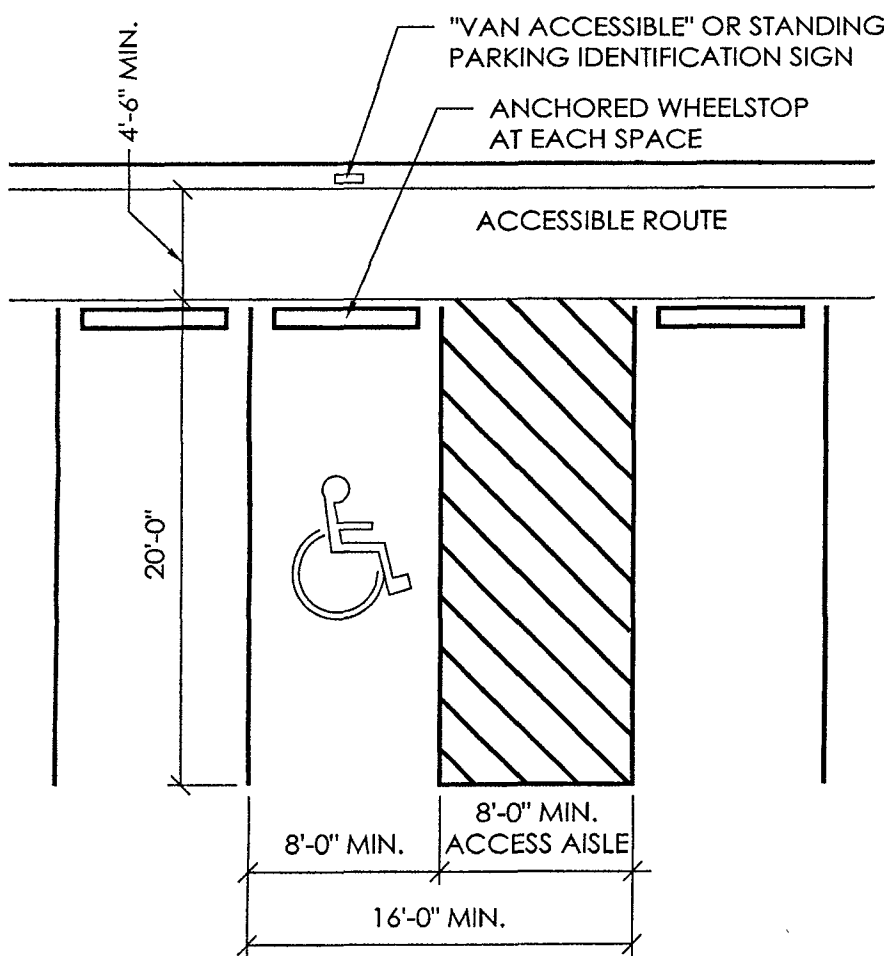
TRIM - DIE-FORMED TRIM OF 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

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 ATOFINA CHEMICAL, INC.,. HYLAR 5000 IS A TRADEMARK OF SOLVAY SOLEXIS.

CS2X4WKK 03/05

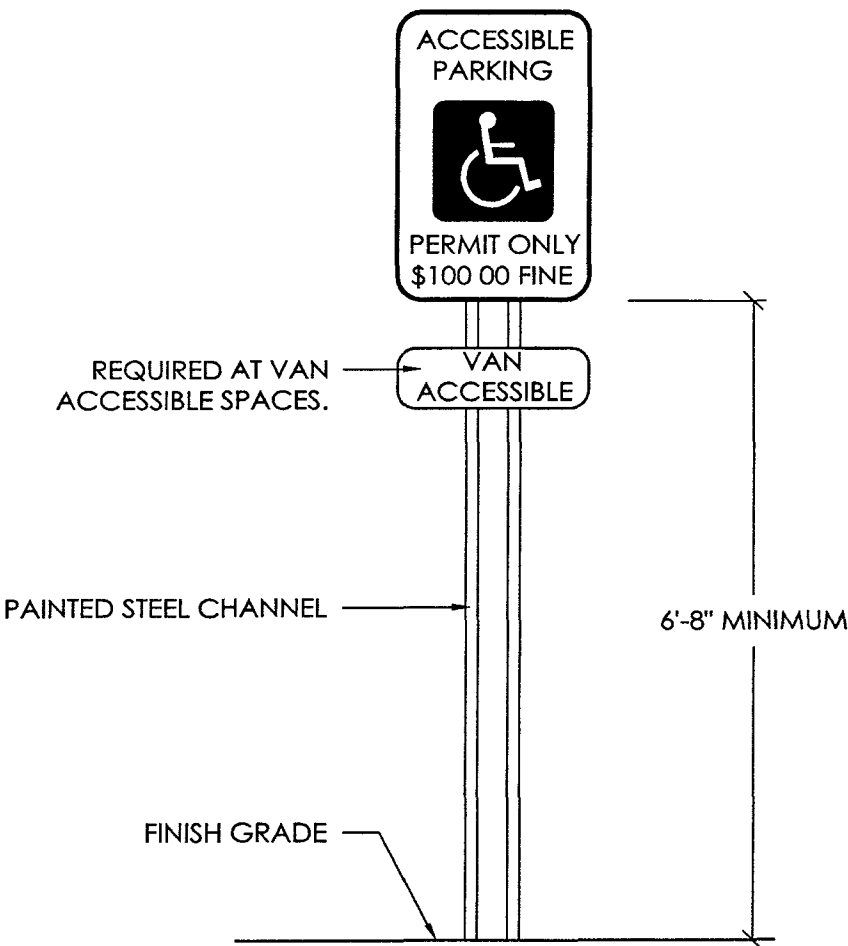


NOTE: ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS.

ACCESSIBLE PARKING SPACE DETAIL

TYPICAL LUMBER SPECIFICATIONS - 2001 NDS		
SIZE	DESCRIPTION	BENDING VALUE Fb
2x4	NO. 1 & 2 SPF	1313 PSI
2x4	2100F MSR SPF	2100 PSI
2x6	NO. 1 & 2 SPF	1138 PSI
2x6	NO. 1 SYP	1650 PSI
2x8	NO. 1 SYP	1500 PSI
2x10	NO. 1 SYP	1300 PSI
2x12	NO. 1 SYP	1250 PSI
ALL	1950F MSR SPF	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

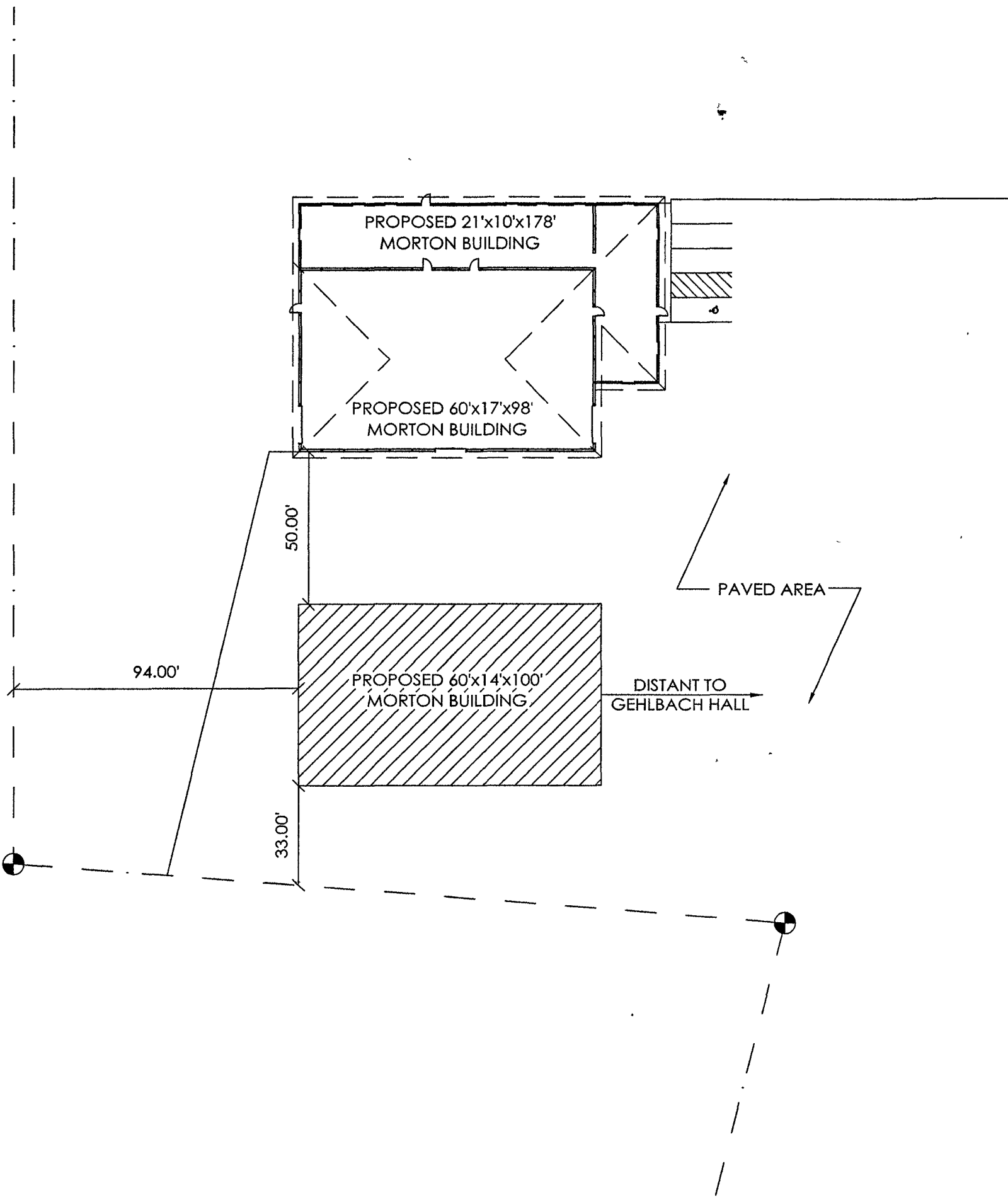
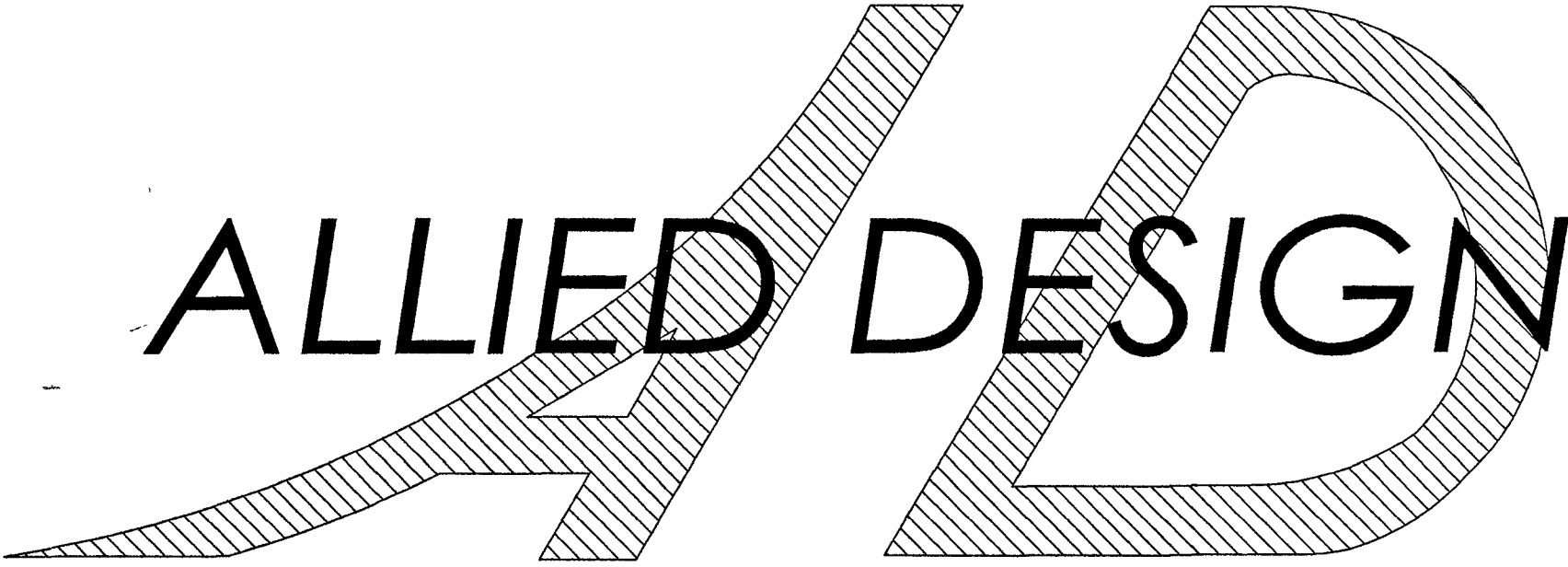
NOTE: HIGHER GRADE MATERIAL REQUIRED AS NOTED ON PLANS



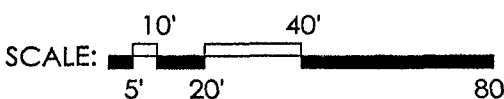
ACCESSIBLE PARKING SIGN

SITE PLAN NOTES:

- THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS.
- AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE OF GREATER THAN 1:20 IS A RAMP. NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:48.
- THE MAXIMUM SLOPE OF A RAMP OR CURB RAMP SHALL BE 1:12 OR LESS IF POSSIBLE. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30".
- THE MINIMUM CLEAR WIDTH OF A RAMP 30' OR LESS SHALL BE 36". RAMPS MORE THAN 30' IN LENGTH SHALL HAVE A MINIMUM CLEAR WIDTH OF 44".
- RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP AND EACH RAMP RUN.
- LANDINGS SHALL BE AT LEAST AS WIDE AS THE WIDTH OF THE RAMP RUN LEADING TO IT AND SHALL BE A MINIMUM OF 60" IN LENGTH. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60"x60".
- IF A RAMP RUN HAS A RUN GREATER THAN 4', THEN IT SHALL HAVE HAND RAILS ON BOTH SIDES.
- CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.
- THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36", EXCLUSIVE OF FLARED SIDES.
- THE MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.
- CURB RAMP TEXTURES SHALL CONSIST OF EXPOSED CRUSHED STONE AGGREGATE, ROUGHENED CONCRETE, RUBBER, RAISED ABRASIVE STRIPS, OR GROOVES EXTENDING THE FULL WIDTH AND DEPTH OF THE CURB RAMP. SURFACES THAT ARE RAISED, ETCHED, OR GROOVED IN A WAY THAT WOULD ALLOW WATER TO ACCUMULATE ARE PROHIBITED.
- FOR PURPOSE OF WARNING, THE FULL WIDTH AND DEPTH OF CURB RAMPS SHALL HAVE A LIGHT REFLECTIVE VALUE AND TEXTURE THAT SIGNIFICANTLY CONTRASTS WITH THAT OF ADJOINING PEDESTRIAN ROUTES.
- IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES: THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10. CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP.
- BUILT-UP CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES OR INTO SPACES THAT WOULD INTERFERE WITH PERSONS ENTERING OR EXITING PARKED OR STANDING VEHICLES.
- CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.



BUILDING LOCATION PLAN



BUILDING DESIGN CRITERIA	
USE GROUP	B/S-1/F-1*
CONSTRUCTION TYPE	5B
ROOF SNOW LOAD *	16 PSF
WIND LOAD	70 MPH [EXP. C]
FLOOR AREA	9,177 SQ. FT.

* NOTE: THE PROPOSED MIXED USE BUILDING HAS BEEN DESIGNED WITHOUT FIRE RATED OCCUPANCY SEPARATION WALLS SATISFYING THE PROVISIONS OF BOCA CODE SECTION 313.1.1 NONSEPARATED USE GROUPS.

NOTE: SITE PREPARATION & FOUNDATION SHALL BE COMPLETED PER SPECIFICATIONS BY: TESTING SERVICE CORPORATION

SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS, SHEET INDEX, & BUILDING LOCATION PLAN
A1 OF A4	FLOOR PLAN, SCHEDULES, & DETAILS
A2 OF A4	REFLECTED CEILING PLAN
A3 OF A4	ACCESSIBILITY REQUIREMENTS
A4 OF A4	ELEVATIONS
SF1 OF SF1	FOUNDATION PLAN & SECTIONS
S1 OF S11	COLUMN PLAN
S2 OF S11	BRACING/TRUSS PLAN & DETAILS
S3 OF S11	TRUSS DRAWINGS
S4 OF S11	TRUSS DRAWINGS
S5 OF S11	HIP DETAILS
S6 OF S11	DETAIL & SECTIONS
S7 OF S11	SECTION
S8 OF S11	SECTION
S9 OF S11	SECTIONS
S10 OF S11	SECTIONS
S11 OF S11	SECTION & DETAIL
M1 OF M1	MECHANICAL SPECIFICATIONS
P1 OF P2	PLUMBING WASTE PLAN & SCHEMATIC
P2 OF P2	PLUMBING SUPPLY PLAN & SCHEMATIC
H1 OF H2	HVAC PLAN & EQUIPMENT SCHEDULE
H2 OF H2	GAS SUPPLY LAYOUT & SCHEMATIC
E1 OF E1	ELECTRICAL PLAN

I HEREBY CERTIFY THAT THE MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN FOR THIS BUILDING CONSISTING OF (6) PAGES WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.

Ronald L. Sutton
RONALD L. SUTTON
LICENSED PROFESSIONAL ENGINEER
EXP. DATE 11-30-05
08
ILLINOIS

I HEREBY CERTIFY THAT THE ARCHITECTURAL AND STRUCTURAL DESIGN FOR THIS BUILDING CONSISTING OF (17) PAGES WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT

Wayne W. Nowlan
WAYNE W. NOWLAN
LICENSED ARCHITECT #6706
EXP. DATE 11-30-06
ILLINOIS

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C. PROFESSIONAL DESIGN FIRM-ARCHITECTURAL AND PROFESSIONAL ENGINEERING CORPORATION LICENSE #184-003480

NOTE: NO ONE MAY ALTER ANY ARCHITECTURAL OR ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT OR LICENSED ENGINEER.

LINCOLN COLLEGE

LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.

100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

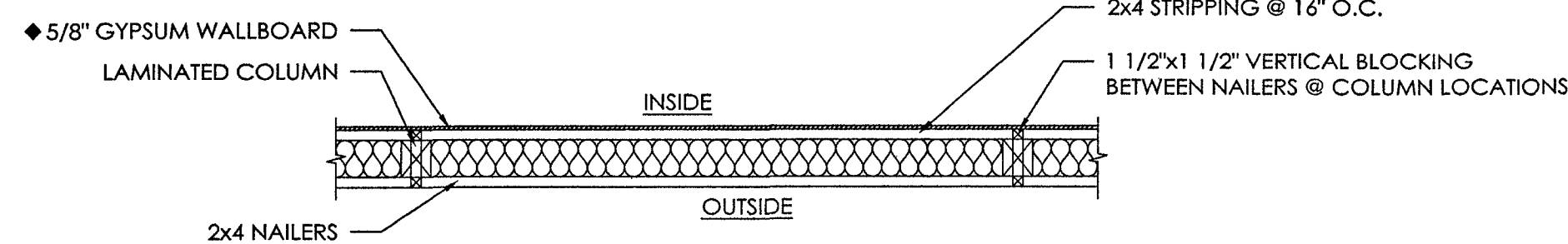
DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SCALE: AS NOTED
SHEET NO.
G1 OF G1

ROOM FINISH SCHEDULE									
ROOM NUMBER	DESCRIPTION	NOMINAL SIZE	CEILING HEIGHT	FLOOR FINISH	BASE TRIM	WALL FINISH	CEILING FINISH	ROOM NUMBER	
101	SECRETARY	20'3"x20'10"	8'-6"	COMM. CARPET ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	101	
102	COMPUTER ROOM	18'4"x10'11"	8'-6"	1/8"COMM VCT ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	102	
103	OFFICE #1	352 SQ. FT.	8'-6"	COMM. CARPET ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	103	
104	OFFICE #2	9'10"x13'4"	8'-6"	COMM. CARPET ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	104	
105	OFFICE #3	10'15"x4"	8'-6"	COMM. CARPET ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	105	
106	OFFICE #4	12'15"x4"	8'-6"	COMM. CARPET ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	106	
107	MEN'S R.R.	9'6"x13'2"	8'-6"	1/8"COMM VCT ♦	6" VINYL ♦	MOIST. RESISTANT 5/8" GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	107	
108	WOMEN'S R.R.	9'6"x13'2"	8'-6"	1/8"COMM VCT ♦	6" VINYL ♦	MOIST. RESISTANT 5/8" GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	108	
109	BREAKROOM	38'3"x20'3"	8'-6"	1/8"COMM VCT ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	109	
110	SHOP	96'3"x58'3"	17'-0"	SEALED CONC ♦	STEEL TRIM	POLY STEEL LINER	POLY STEEL LINER	110	
111	CORRIDOR	565 SQ. FT.	8'-6"	COMM. CARPET ♦	6" VINYL ♦	5/8"GYP BD, TAPED, PRIMED & PAINTED ♦	2"x4" SUSPENDED ACOUSTICAL TILE ♦	111	
112	MECHANICAL ROOM	10'x9'	9'-0"	SEALED CONC ♦	6" VINYL ♦	5/8" TYPE "X" GYP BD, TAPED, PRIMED & PAINTED ♦	5/8" TYPE "X" GYP BD, TAPED, PRIMED & PAINTED ♦	112	

WINDOW SCHEDULE										
WINDOW #	QTY	SIZE	MANUF.	STYLE	CATALOG #	GLAZING	FRAME	TRIM	ACCESSORIES	WINDOW #
△	11	4050	PELLA	CASEMENT	CC4759	SMART SASH II	ALUM CLAD WOOD	WRAP HEAD & JAMBS w/GYP BD. OAK SILL	SLIMSHADES	△

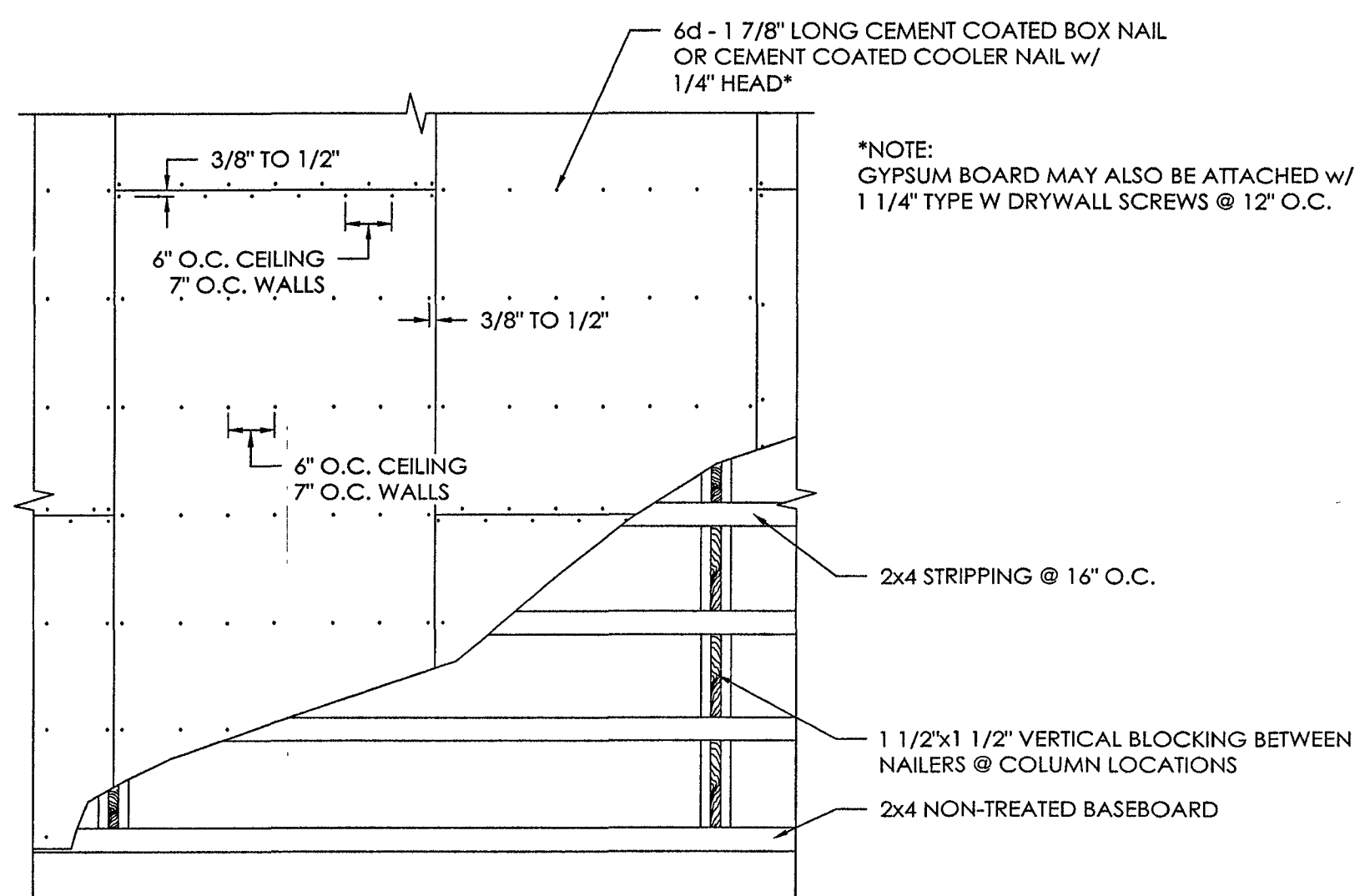
DOOR SCHEDULE												
DOOR #	QTY	SIZ	STYLE	TYPE	FIRE RATING	GLAZING	FRAME	TRIM	CLOSER	HARDWARE	DOOR #	
1	1	3'6"	ALUMINUM GLASS ENTRY	M	F	TEMPERED SAFETY	ALUMINUM	WRAP W/GYP. BD.	YES	PUSH/PULL HARDWARE w/THUMBTURN LOCK	1	
2	3	3'6"	FIBERSTEEL	F	NONE	N/A	PULTRUDED FIBERGLASS	STEEL TRIM	NO	KEYED LOCKSET	2	
3	6	3'6"	SOLID CORE WOOD	F	NONE	N/A	HOLLOW METAL KNOCKDOWN	PAINTED STEEL FRAME	NO	KEYED LEVER LOCKSET	3	
4	2	3'6"	SOLID CORE WOOD	F	NONE	N/A	HOLLOW METAL KNOCKDOWN	PAINTED STEEL FRAME	YES	PUSH/PULL PLATES	4	
5	1	3'6"	SOLID CORE WOOD	F	NONE	N/A	HOLLOW METAL KNOCKDOWN	PAINTED STEEL FRAME	NO	PUSH/PULL PLATES	5	
6	1	3'6"	SELF CLOSING DOOR ASSEMBLY	F	3/4 HR	N/A	HOLLOW METAL KNOCKDOWN	PAINTED STEEL FRAME	YES	KEYED LOCK SET	6	
7	2	1'2x1'4"	SECTIONAL OVERHEAD DOOR	N/A	N/A	N/A	STD. HEADROOM TRACK	STEEL TRIM	N/A	ELECTRIC OPERATOR		
8	1	1'0x1'10"	SECTIONAL OVERHEAD DOOR	N/A	N/A	N/A	HI-LIFT TRACK	STEEL TRIM	N/A	ELECTRIC OPERATOR		



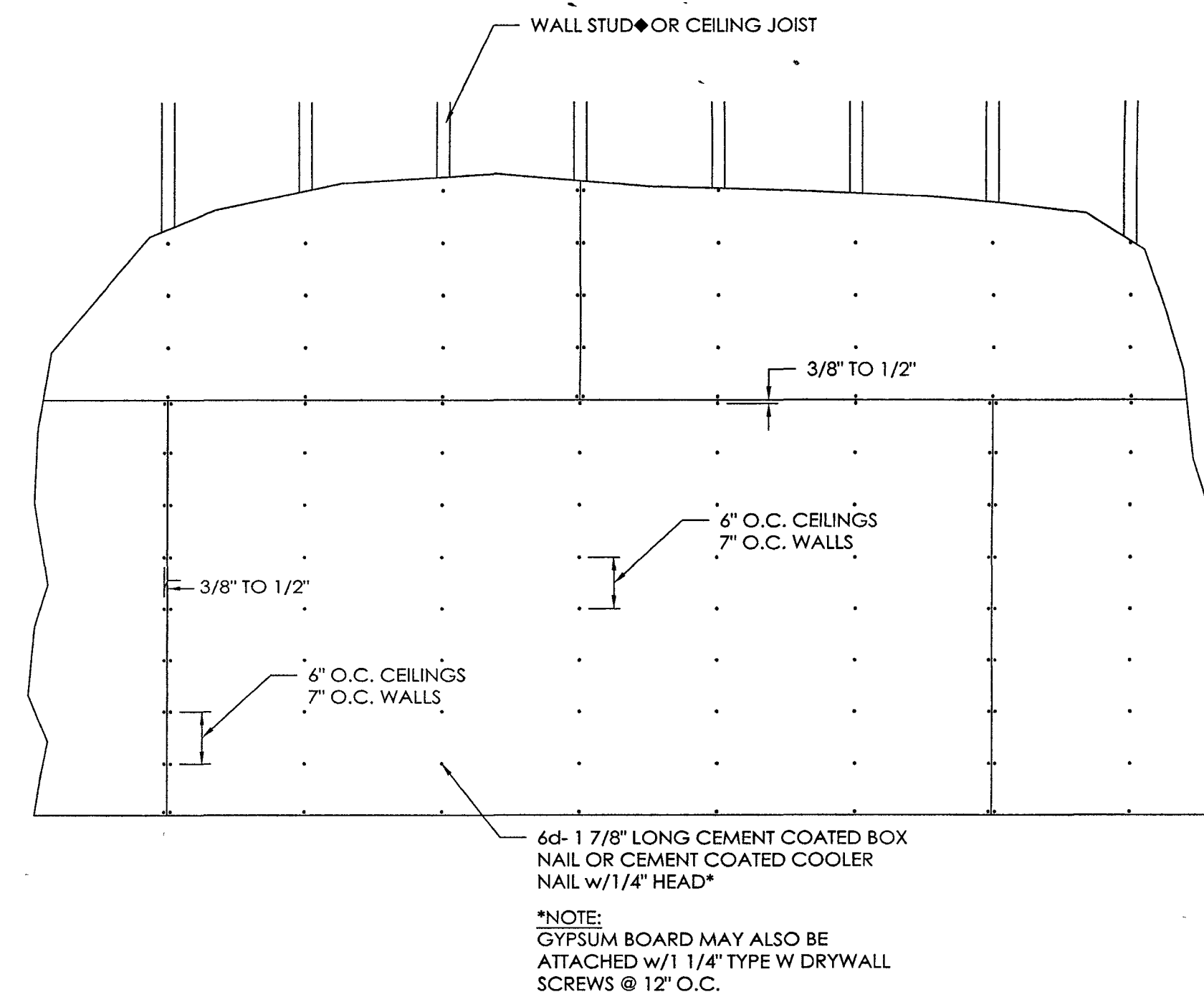
COLUMN WALL GYPSUM BOARD FASTENING DETAIL ♦
SCALE: 1/2" = 1'-0" (NON-RATED WALL ASSEMBLY)



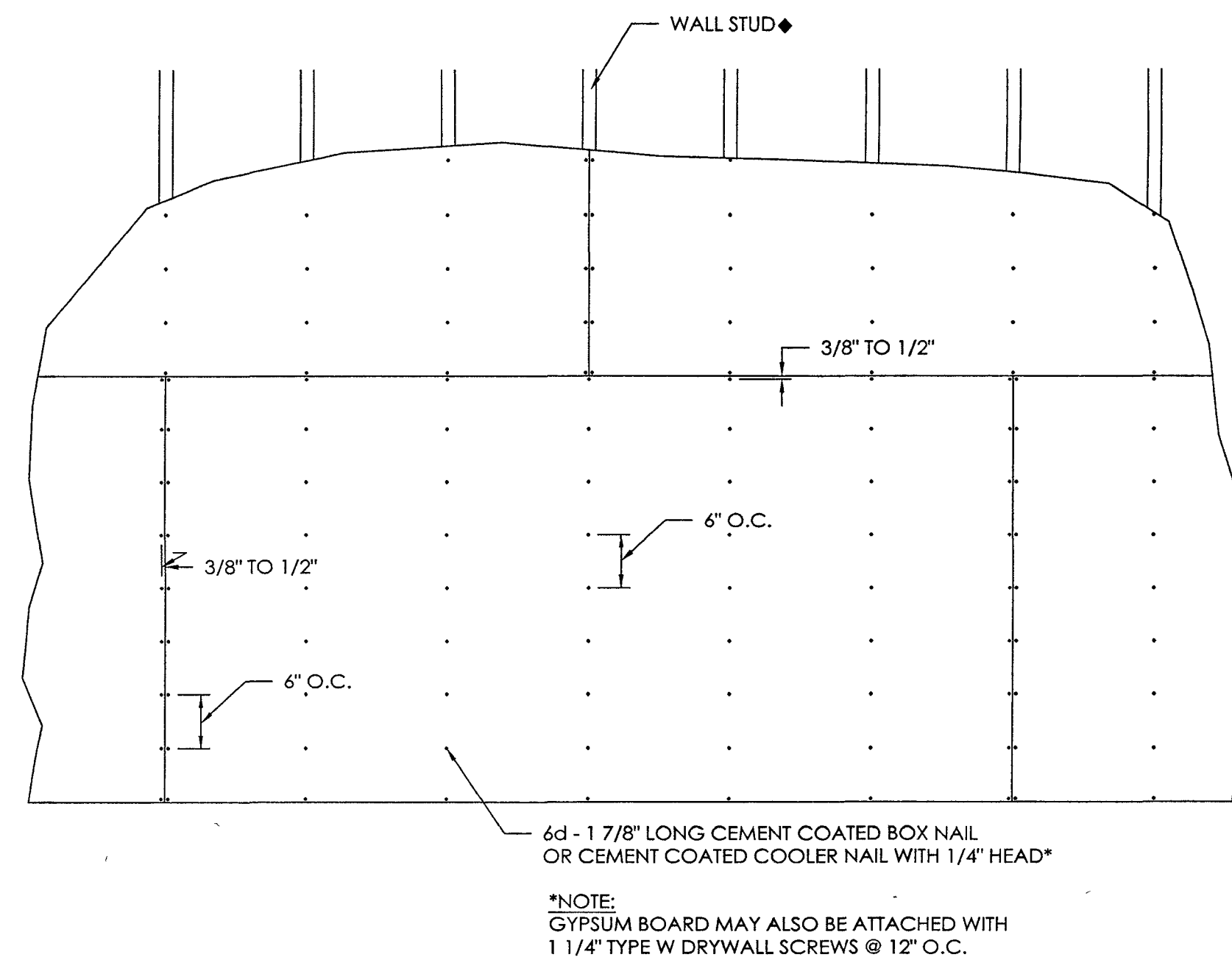
3.) EXTERIOR WINDOW & DOOR LOCATIONS ARE DIMENSIONED FROM THE EXTERIOR OF THE BUILDING COLUMN TO THE CENTERLINE OF THE WINDOW OR DOOR UNIT.



COLUMN WALL GYPSUM BOARD FASTENING DETAIL ◆
SCALE: 1/2" = 1'-0" (NON-RATED WALL ASSEMBLY)



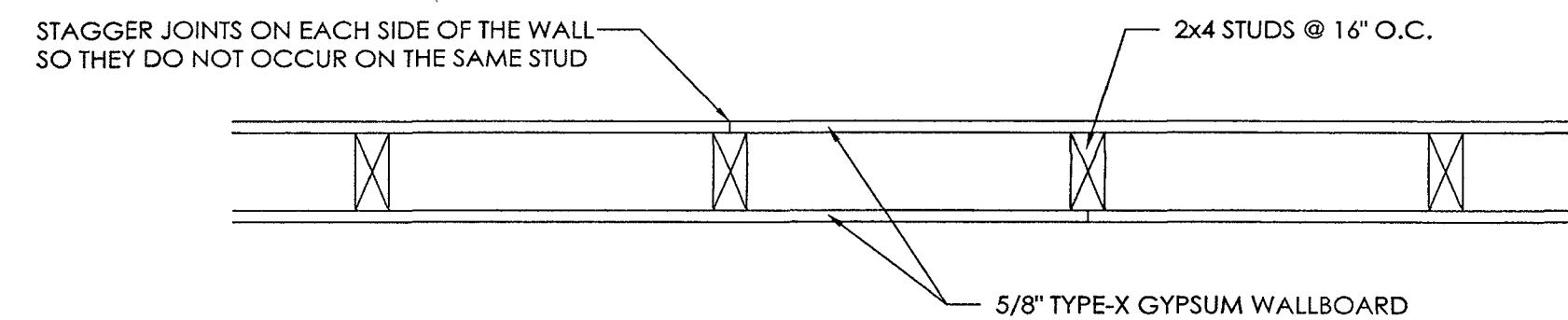
TYPICAL GYPSUM BOARD INSTALLATION DETAIL ♦
SCALE: 3/4" = 1'-0" (NON-FIRE RATED APPLICATION)



TYPICAL GYPSUM BOARD INSTALLATION ELEVATION ◆
SCALE: 3/4" = 1'-0" (1 HOUR FIRE RESISTIVE WALL UL# U305)

NOTES:

- 1.) UL DESIGN #U305 DOES NOT REQUIRE JOINTS TO BE TAPED.
- 2.) GYPSUM BOARD PANELS ARE PERMITTED TO BE INSTALLED WITH LONG EDGE PERPENDICULAR OR PARALLEL TO FRAMING.



TYPICAL GYPSUM BOARD INSTALLATION DETAIL ◆
SCALE: 1 1/2" = 1'-0" (1 HOUR FIRE RESISTIVE WALL UL# U305)

□ - (6) 30"x30" ATTIC ACCESS PANELS (VERIFY LOCATIONS)
 = - 2x4 STUDWALLS @ 16" O.C. W/ 3 1/2" KRAFT FACED BATT INSULATION◆

NOTE.
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

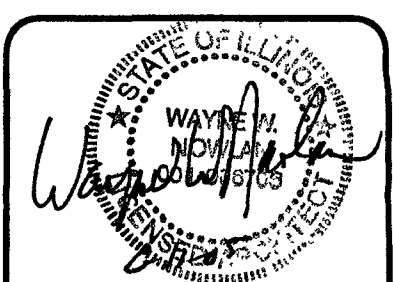
SCALE: 

LINCOLN COLLEGE
LINCOLN, IL

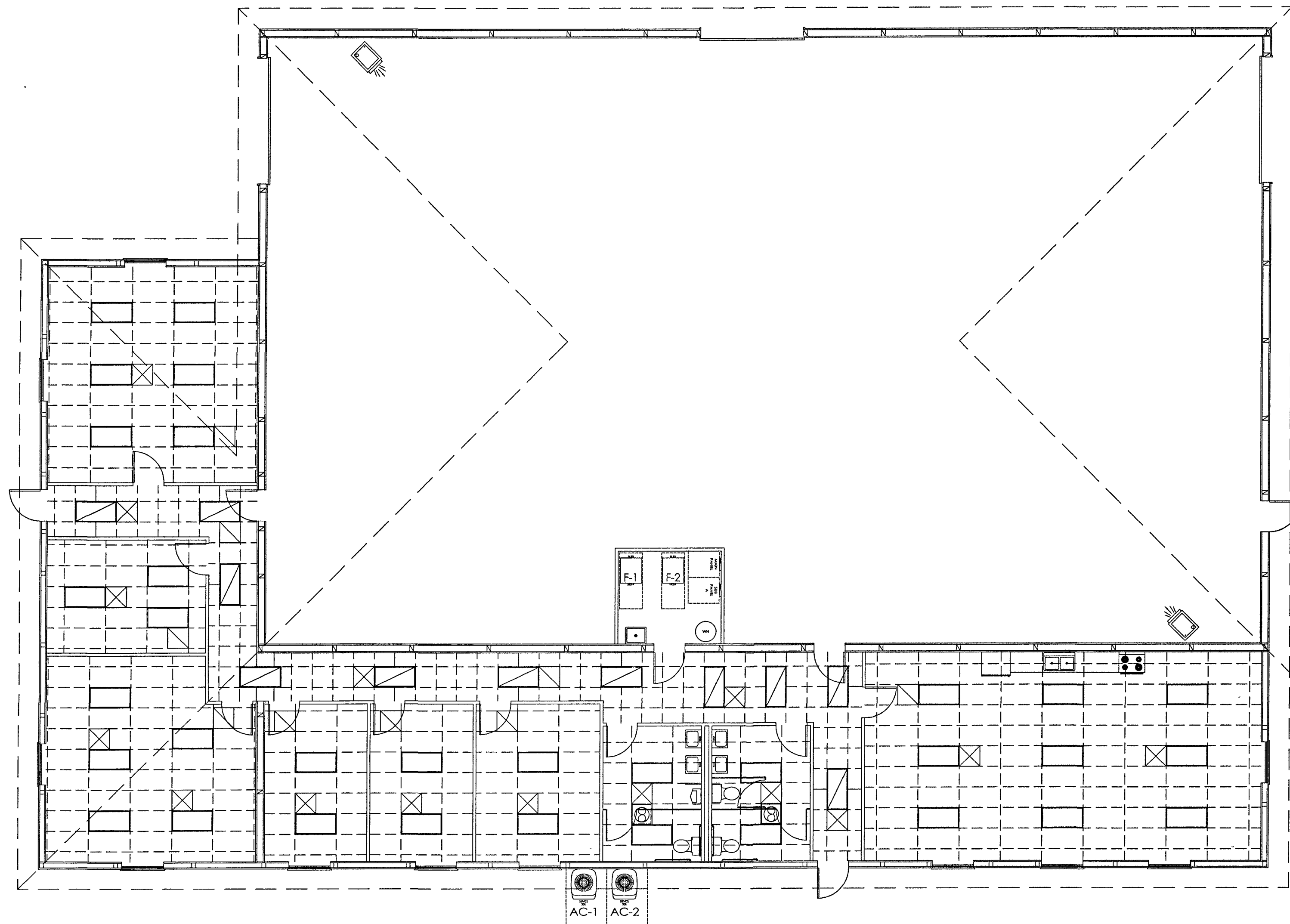
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 WORTON, IL 61550
PHONE NUMBER: 309-263-4105

100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

REVISÉ DATE:



Al OF A



REFLECTED CEILING PLAN

SCALE: 1" = 4' 8"



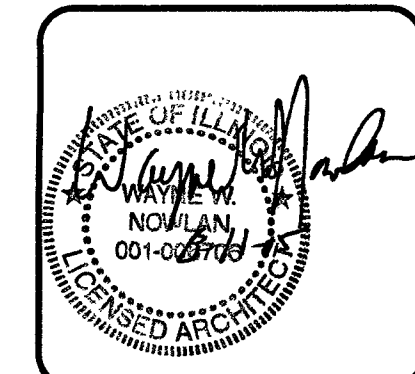
OFFICE: MORTON, IL
JOB NO. 021-1962

LINCOLN COLLEGE

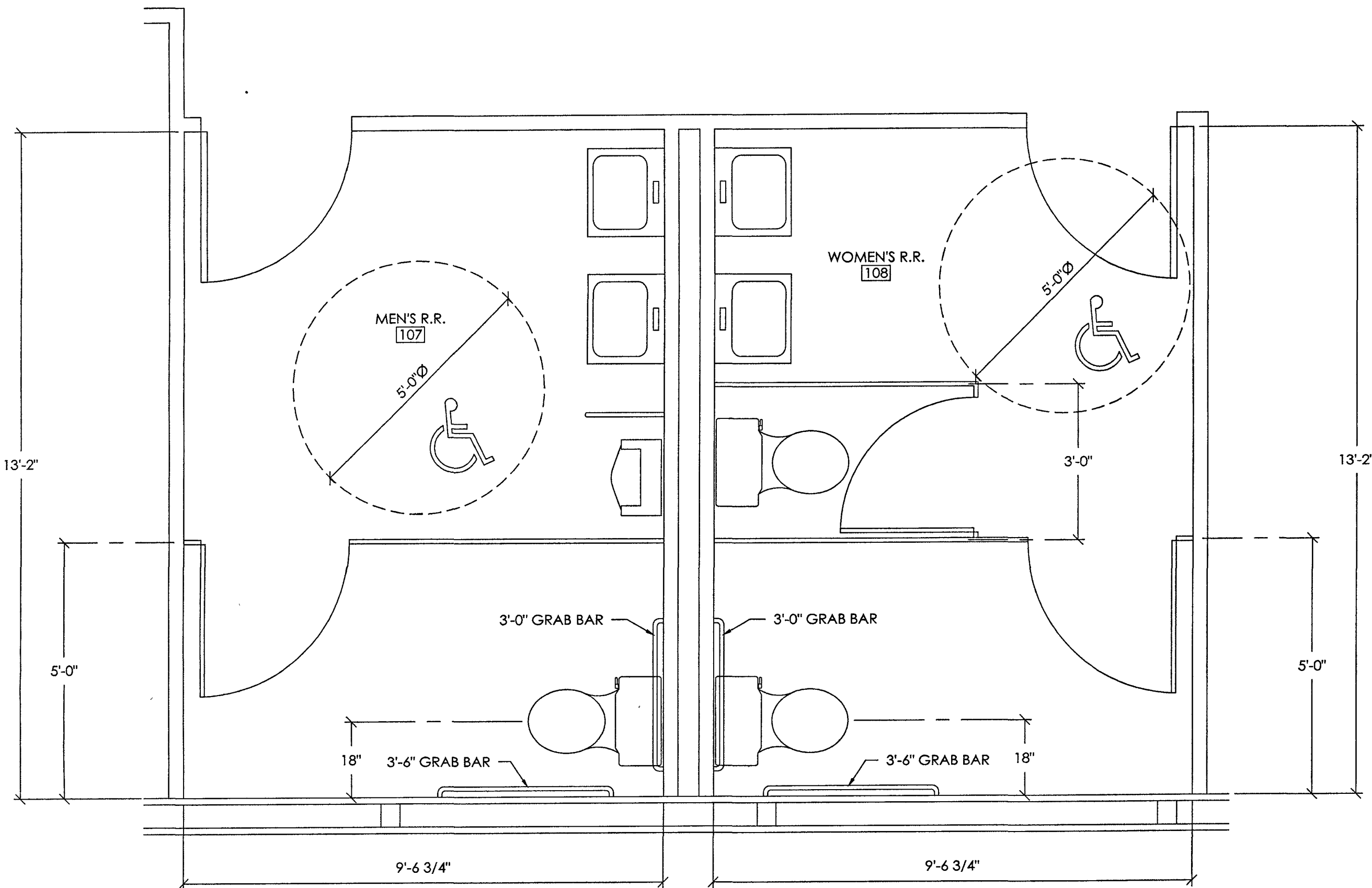
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DONT.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

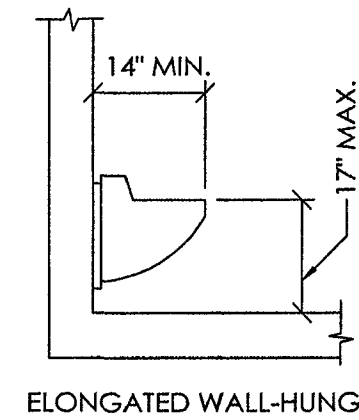


SCALE: AS NOTED
SHEET NO. A2 OF A4

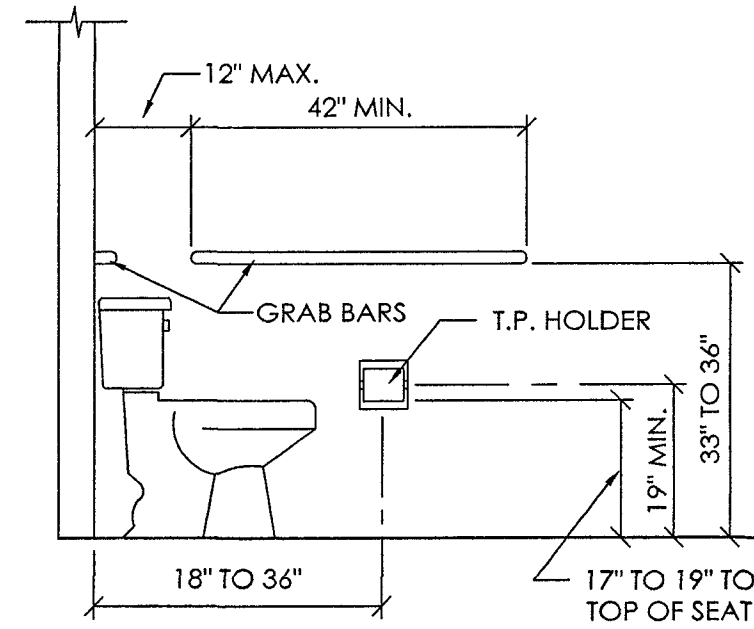


RESTROOM CLEARANCE LAYOUT

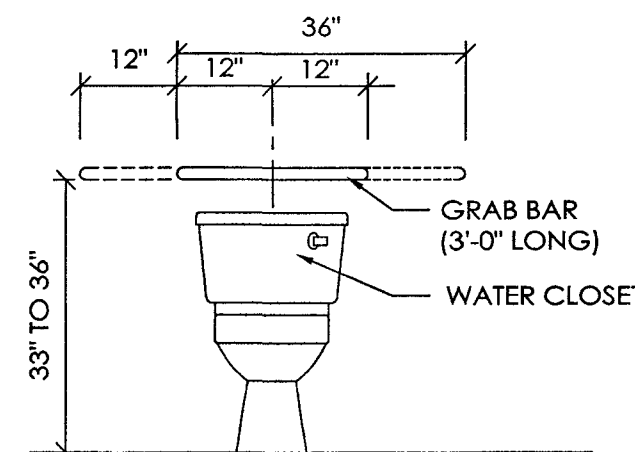
* NOTE:
BARRIER FREE RESTROOMS SHALL BE IDENTIFIED WITH INTERNATIONAL SYMBOL OF COMPLIANCE AND A TACTILE SIGN. THE SYMBOL OF COMPLIANCE SHALL BE LOCATED BETWEEN 60" & 96" AFF. THE TACTILE SIGN SHALL BE MOUNTED 60" AFF ADJACENT TO THE LATCH SIDE OF THE DOOR.



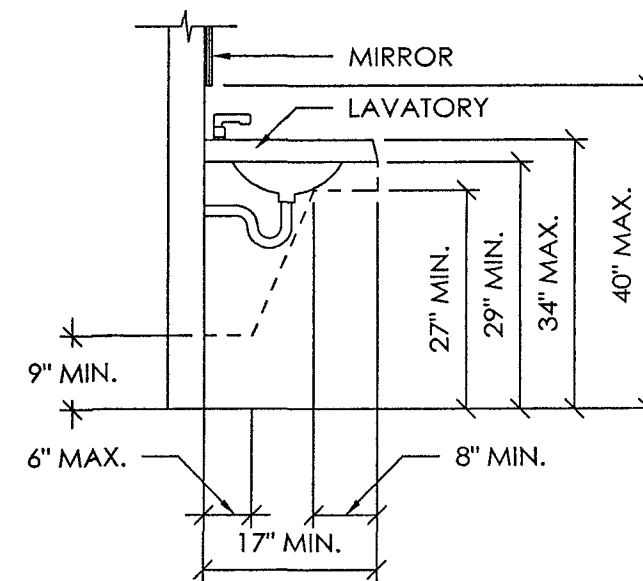
ACCESSIBLE URINAL DETAIL



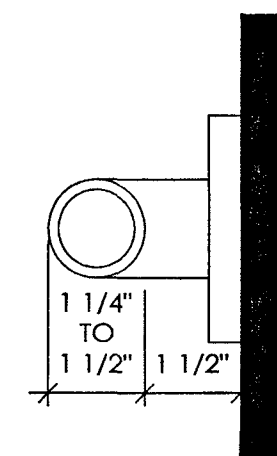
SIDE ELEVATION OF WATER CLOSET



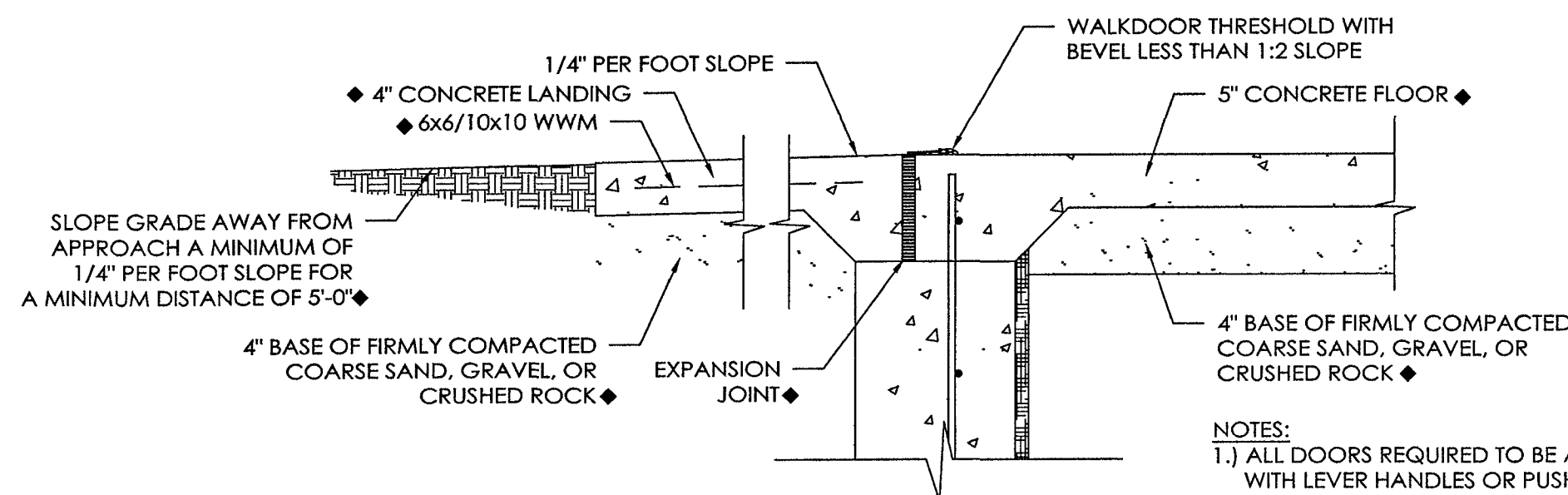
FRONT ELEVATION



SIDE ELEVATION OF LAVATORY



GRAB BAR SECTION



- NOTES:
- 1.) ALL DOORS REQUIRED TO BE ACCESSIBLE & SHALL BE PROVIDED WITH LEVER HANDLES OR PUSH/PULL HARDWARE.
 - 2.) ALL DETAILS SHALL CONFORM TO A117.1
 - 3.) ACCESSIBLE ROUTES SHALL BE BY HARD, FIRM AND SLIP RESISTANT SURFACES AND SHALL HAVE SLOPES OF LESS THAN 1:20
 - 4.) CLOSURES FOR DOORS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE NOT LESS THAN 3 SECONDS TO MOVE TO A POINT 3 IN. FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
 - 5.) THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN ACCESSIBLE INTERIOR HINGED DOORS SHALL BE 5 LB/F.
 - 6.) HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED TO HIGHER THAN 48" ABOVE FINISHED FLOOR.

LANDING & THRESHOLD DETAIL FOR FIBERSTEEL WALKDOOR

SCALE: 1" = 1'-0"

ACCESSIBILITY REQUIREMENTS

- FLOOR PLAN NOTES:
- 1.) THE KITCHEN SINK SHALL BE MOUNTED WITH COUNTER NO HIGHER THAN 34 IN. ABOVE FINISHED FLOOR.
 - 2.) KNEE CLEARANCE AT LEAST 27 IN. HIGH, 30 IN. WIDE AND 17 IN. DEEP SHALL BE PROVIDED UNDERNEATH SINKS.
 - 3.) SINKS SHALL BE A MAXIMUM OF 6-1/2 IN. DEEP.
 - 4.) A CLEAR FLOOR SPACE AT LEAST 30 IN. BY 48 IN. SHALL BE PROVIDED IN FRONT OF SINKS TO ALLOW FOR FORWARD APPROACH. THE CLEAR FLOOR SPACE SHALL EXTEND A MAXIMUM OF 19 IN. UNDERNEATH THE SINK.
 - 5.) HOT WATER AND DRAIN PIPES EXPOSED UNDER SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
 - 6.) FAUCETS SHALL BE LEVER-OPERATED OR AUTOMATED.
 - 7.) AT LEAST ONE STORAGE CABINET IN THE KITCHEN SHALL HAVE TOUCH LATCHES OR U-SHAPED PULLS.
 - 8.) CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LB/F.
 - 9.) THE TOP OF THE COUNTER, TABLE, OR WORK STATION IN THE KITCHEN ROOM SHALL BE 28 TO 34 IN. ABOVE THE FINISHED FLOOR HEIGHT.

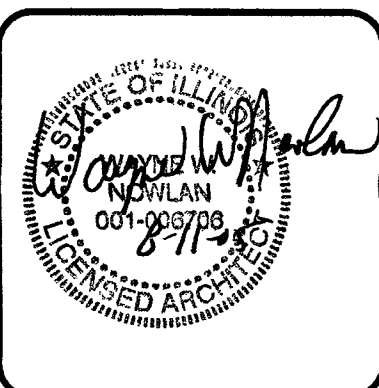
OFFICE: MORTON, IL
JOB NO. 021-1962

LINCOLN COLLEGE

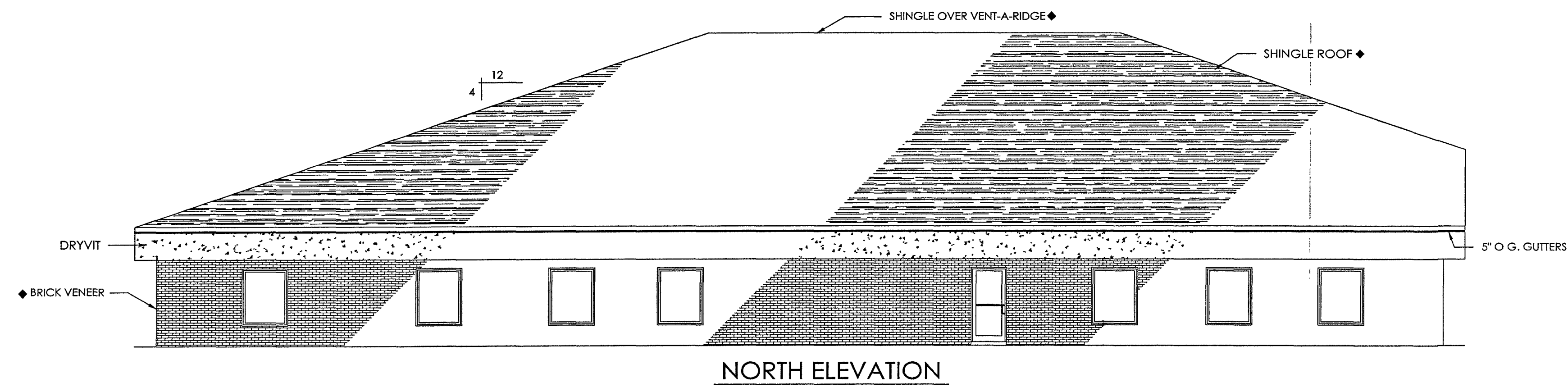
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
PHONE NUMBER: 309-243-4105

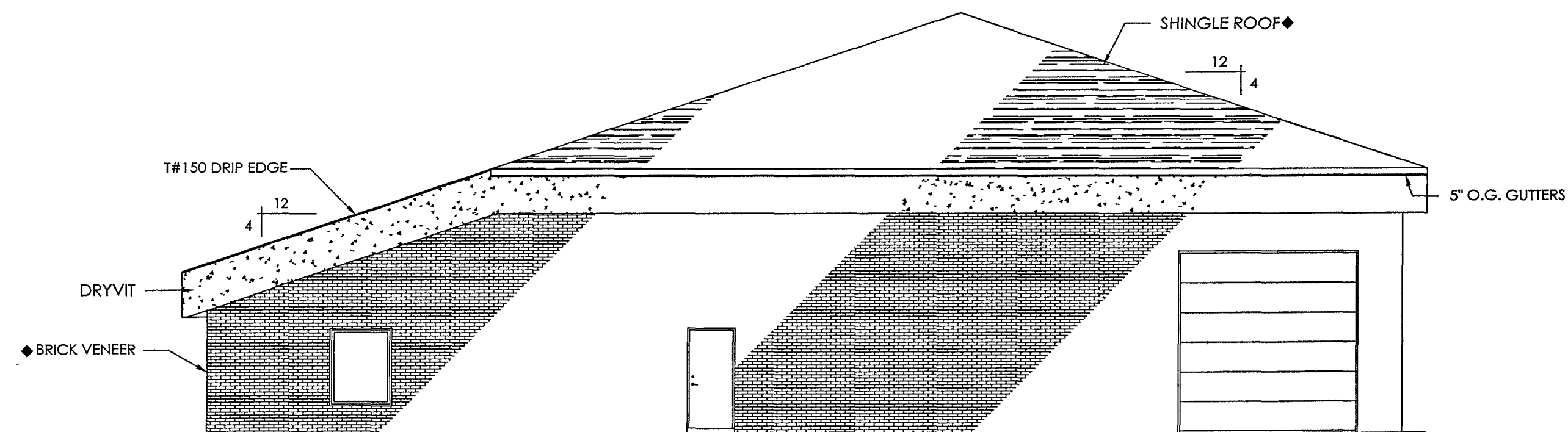
DRAWN BY: SV828
DATE: 05.10.05
CHECKED BY: DON T.
DATE: 06.17.05
REVISED DATE:
REVISED DATE:
REVISED DATE:



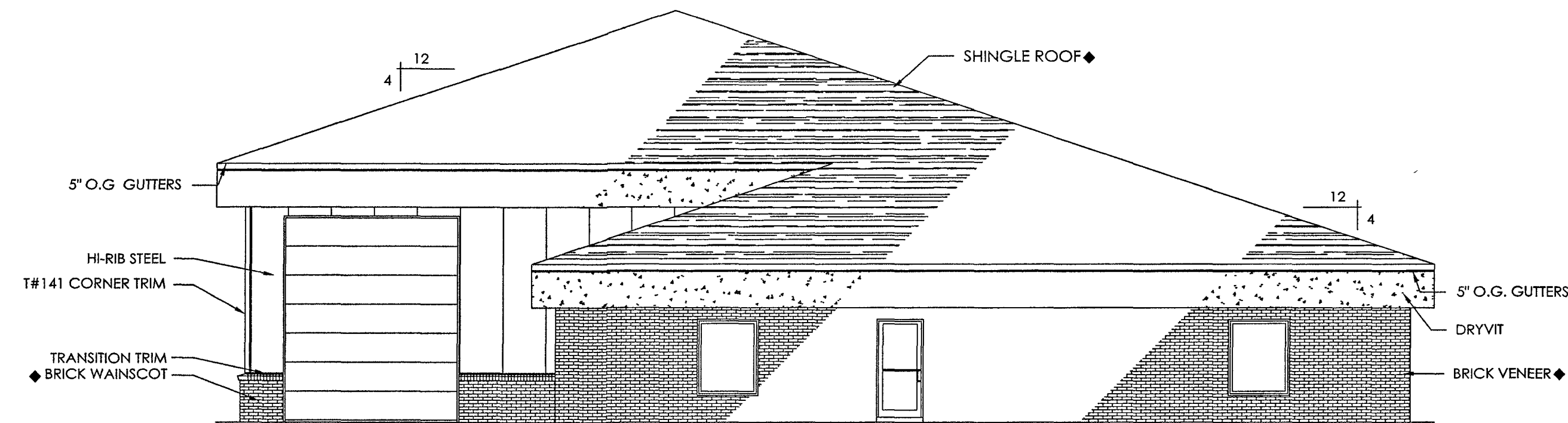
SCALE: AS NOTED
SHEET NO. A3 OF A4



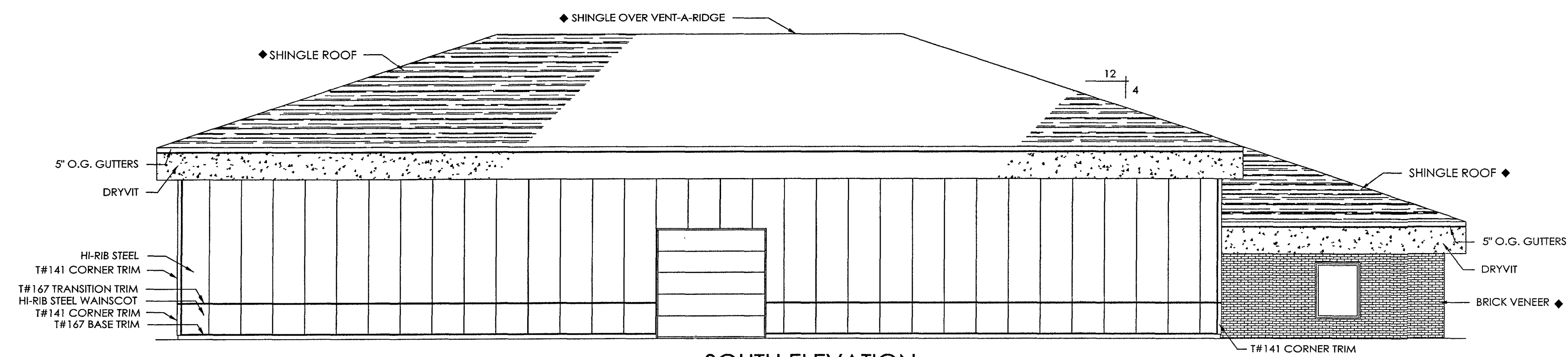
NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION

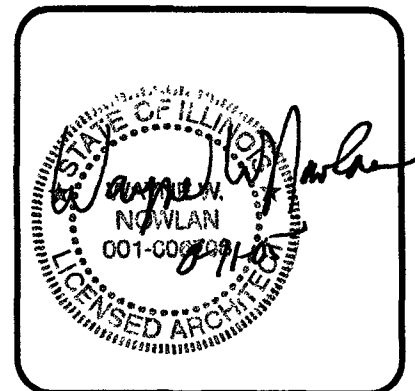


SOUTH ELEVATION

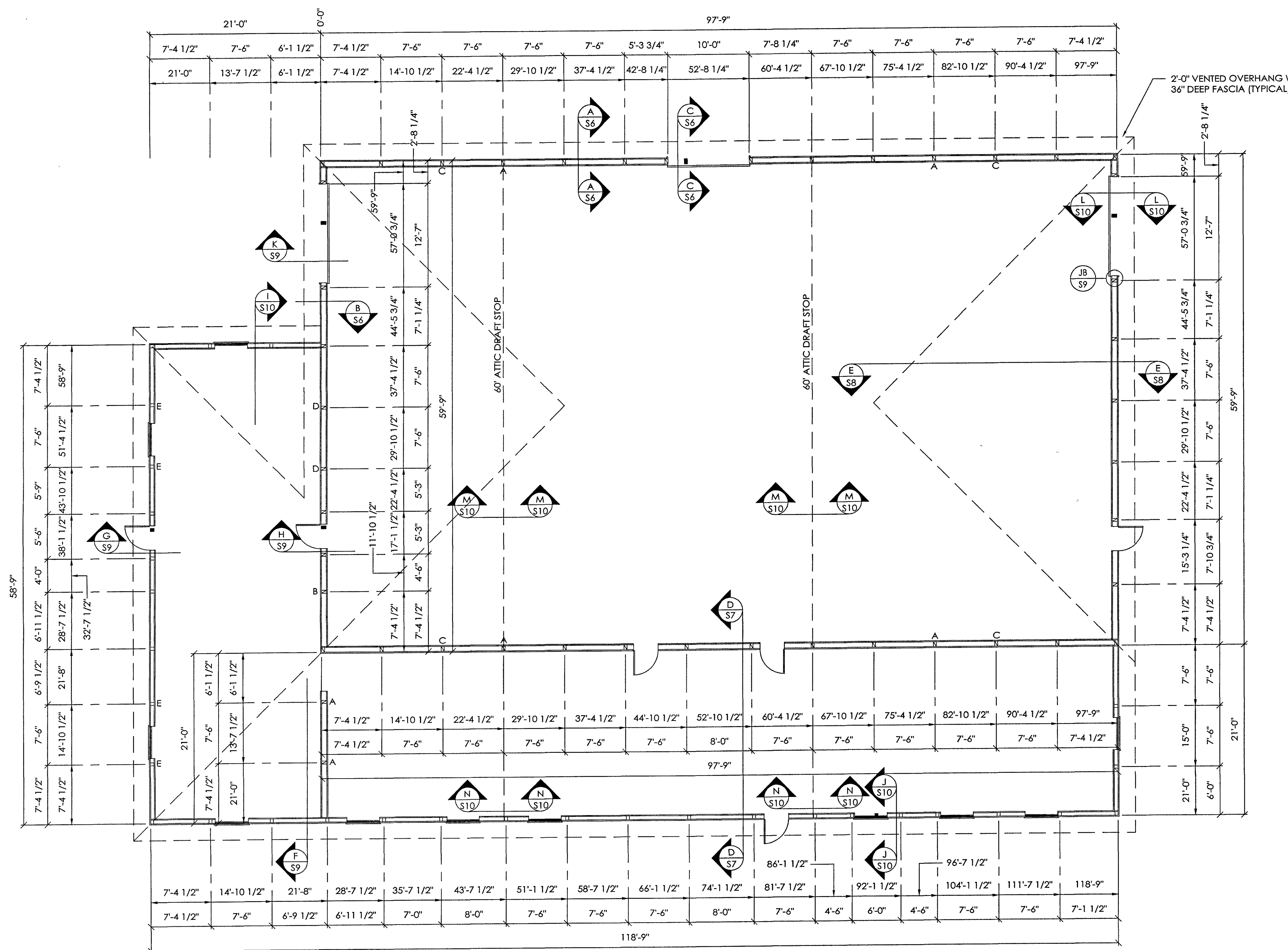
NOTE:
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED
BY MORTON BUILDINGS, INC. OR MORTON
BUILDINGS' SUBCONTRACTORS AND ARE THE
OWNER'S RESPONSIBILITY.

SCALE: AS NOTED
SHEET NO. A4 OF A4

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

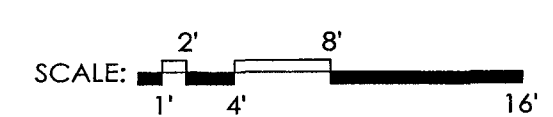


SCALE: AS NOTED
SHEET NO. A4 OF A4



COLUMN PLAN

- COLUMN PLAN LEGEND**
- - 3-2x8 LAMINATED COLUMN LOCATIONS
 - A ■ - 3-2x8 LAMINATED COLUMN LOCATIONS W/ AN ADD'L 2x8 LAMINATE
 - B ■ - 3-2x8 LAMINATED COLUMN LOCATIONS W/ (2) ADD'L 2x8 LAMINATES
 - C ■ - 3-2x8 LAMINATED COLUMN LOCATIONS W/ (3) ADD'L 2x8 LAMINATES
 - D ■ - 3-2x8 LAMINATED COLUMN LOCATIONS W/ (4) ADD'L 2x8 LAMINATES
 - E ■ - 3-2x6 LAMINATED COLUMN LOCATIONS
 - F ■ - 3-2x6 LAMINATED COLUMN LOCATIONS W/ AN ADD'L 2x6 LAMINATE
 - - HEADER TRUSS LOCATIONS

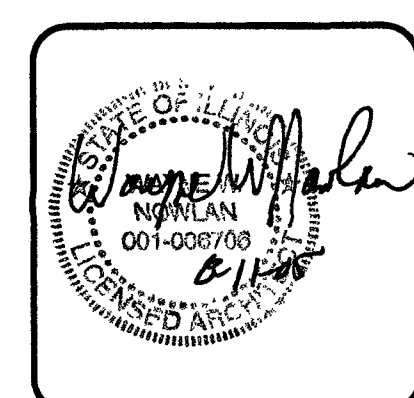


OFFICE: MORTON, IL
JOB NO. 021-1962

LINCOLN COLLEGE
LINCOLN, IL

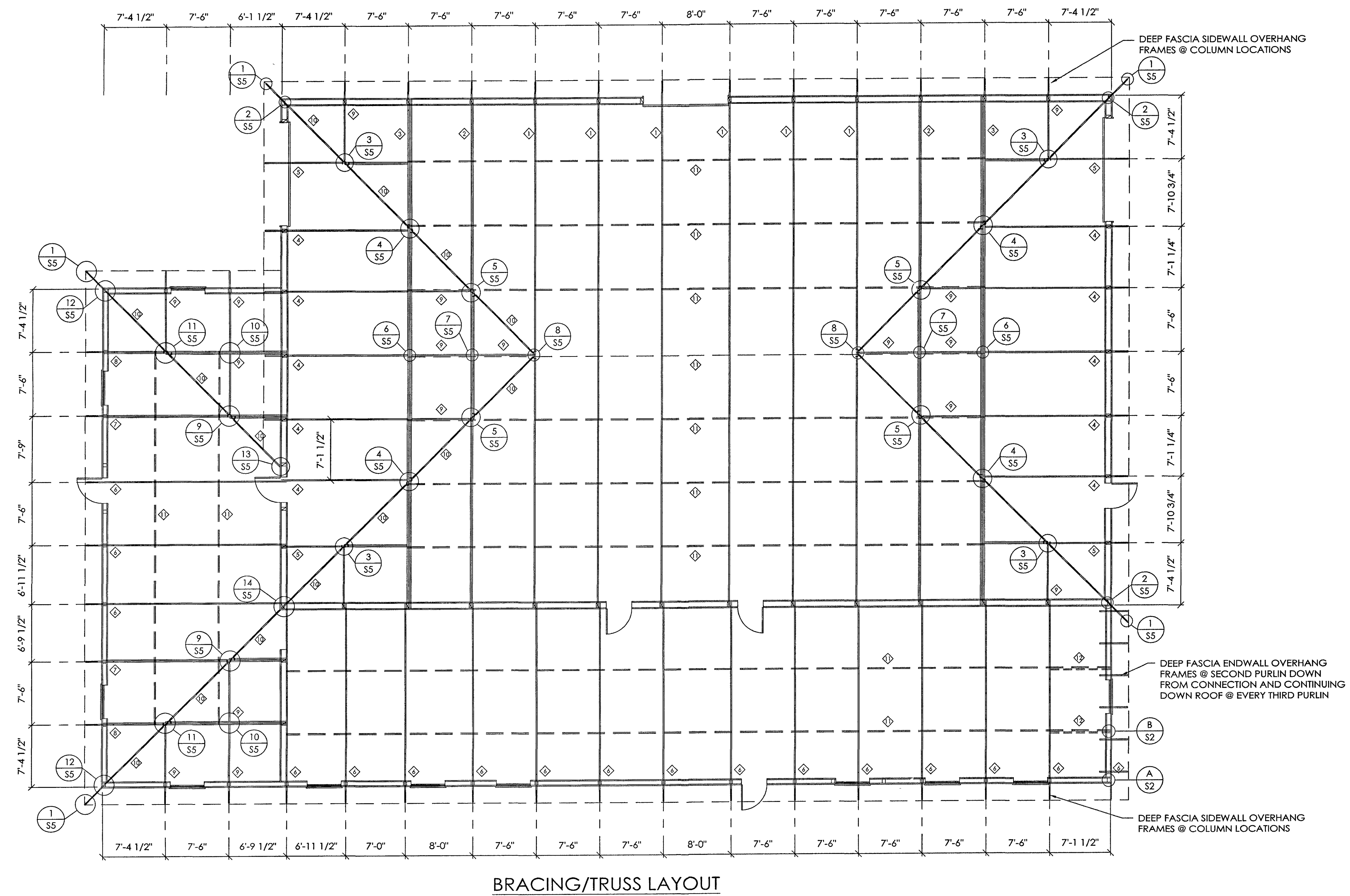
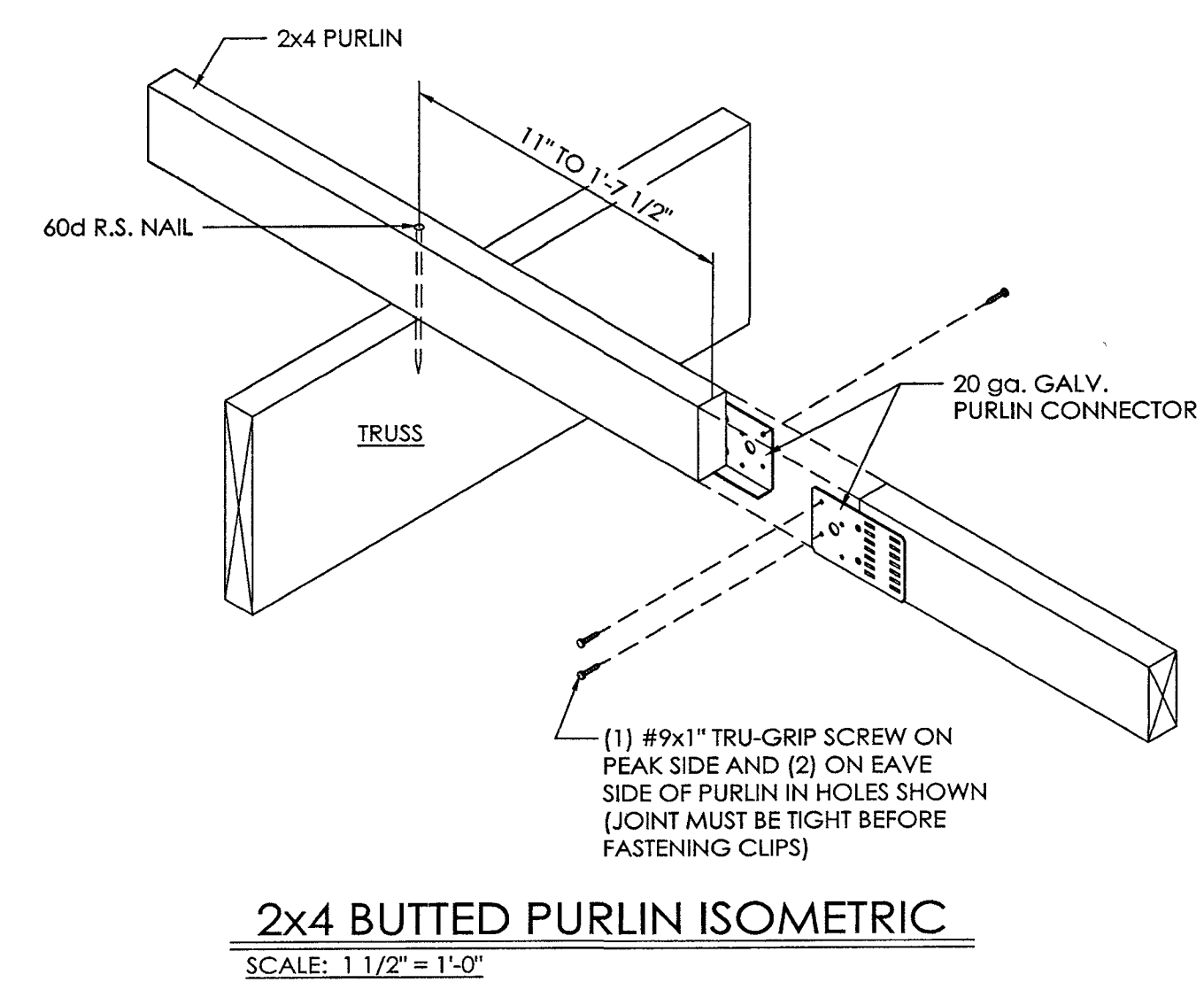
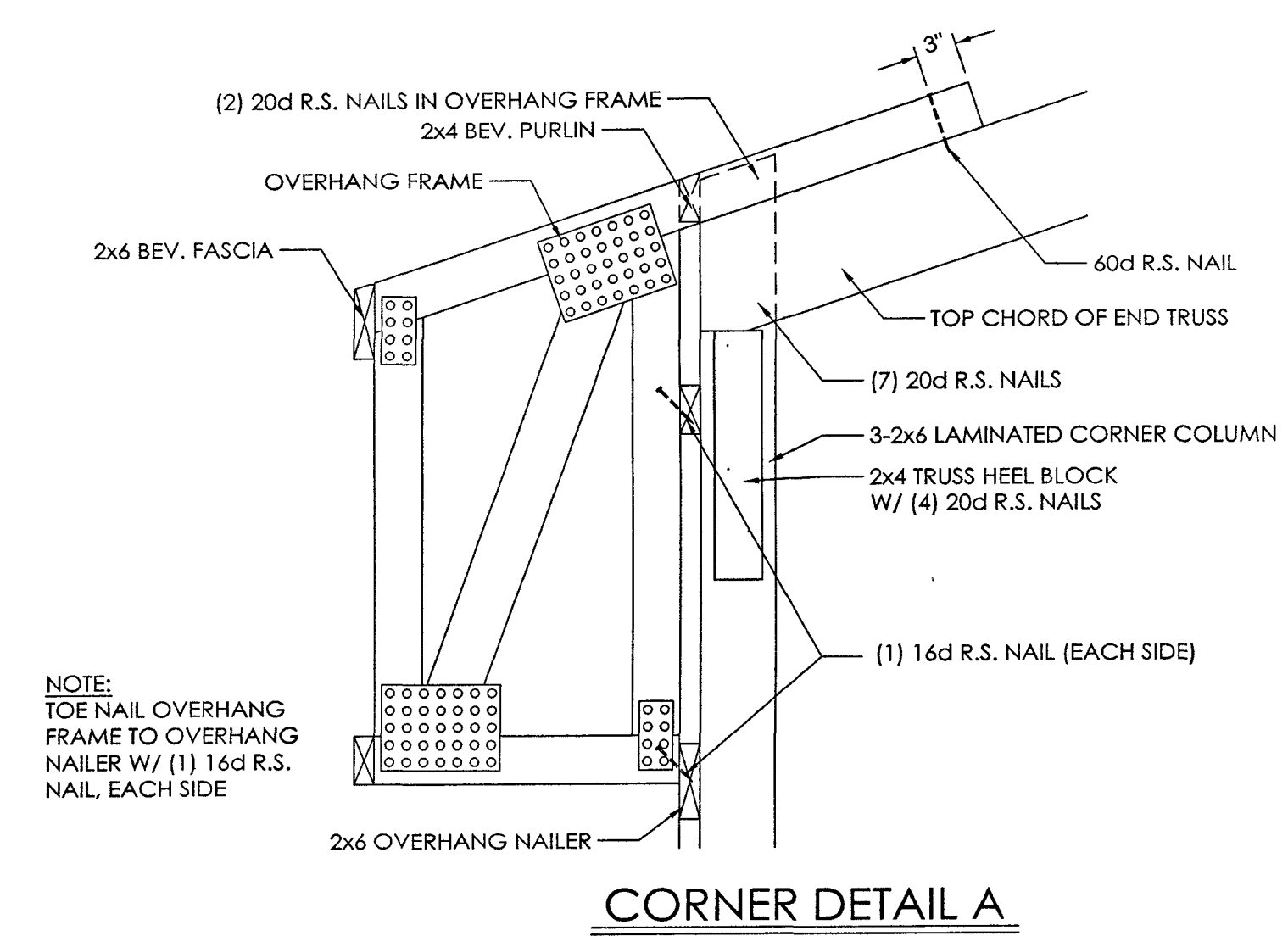
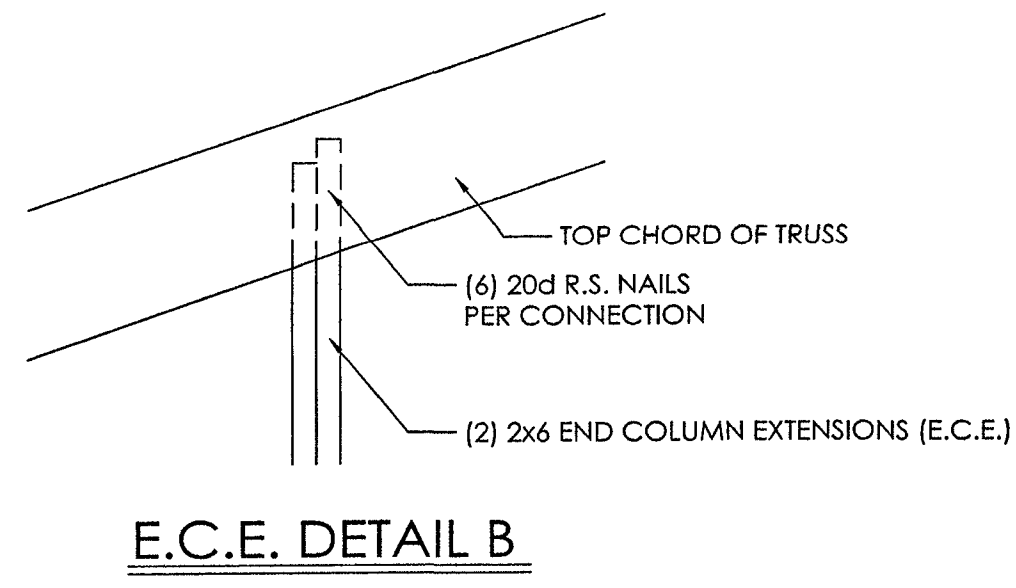
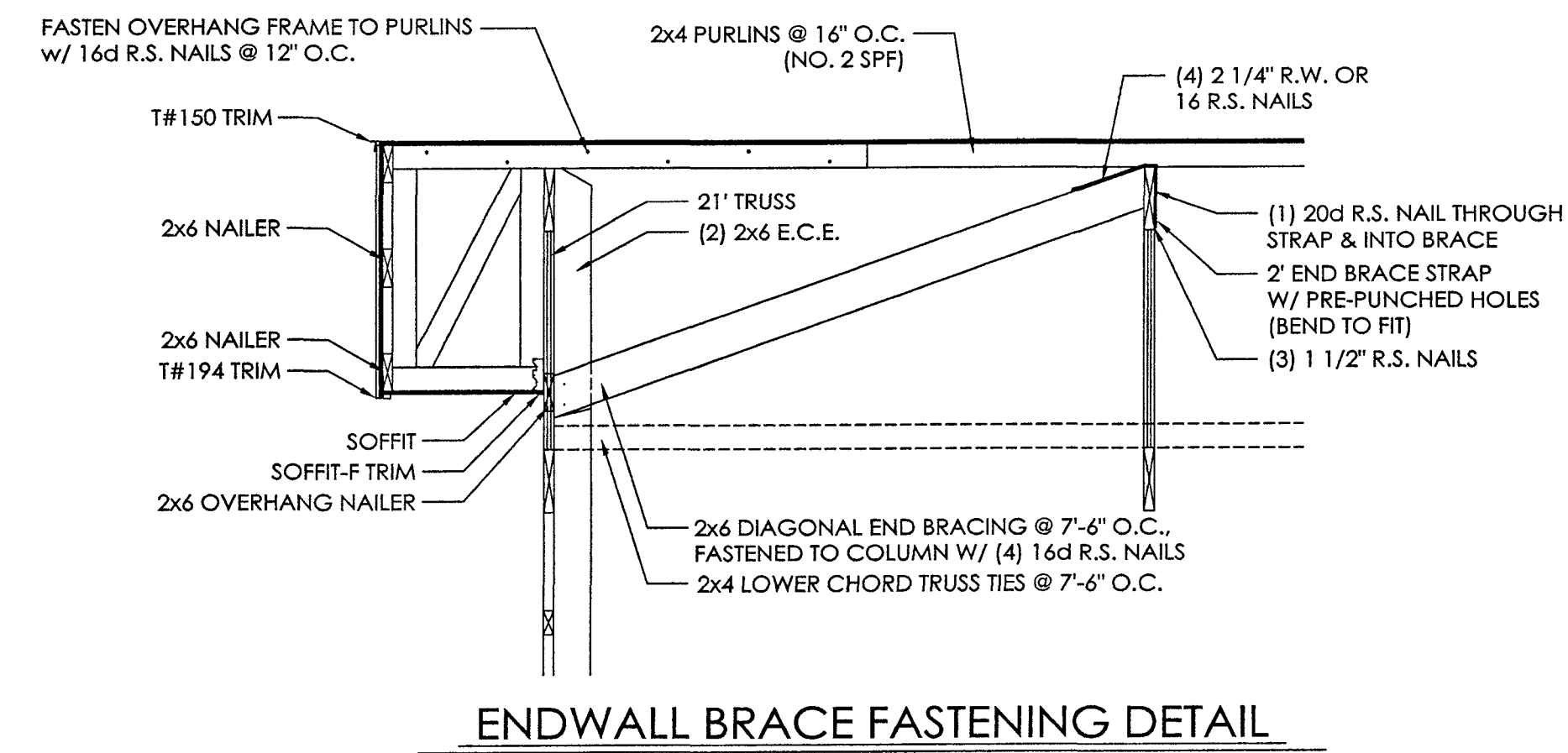
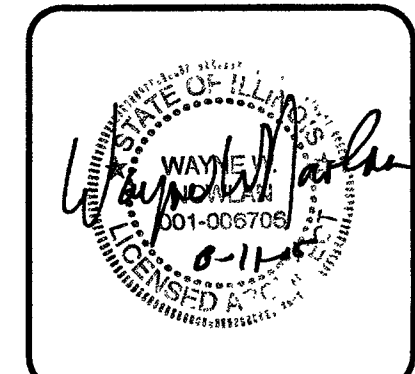
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

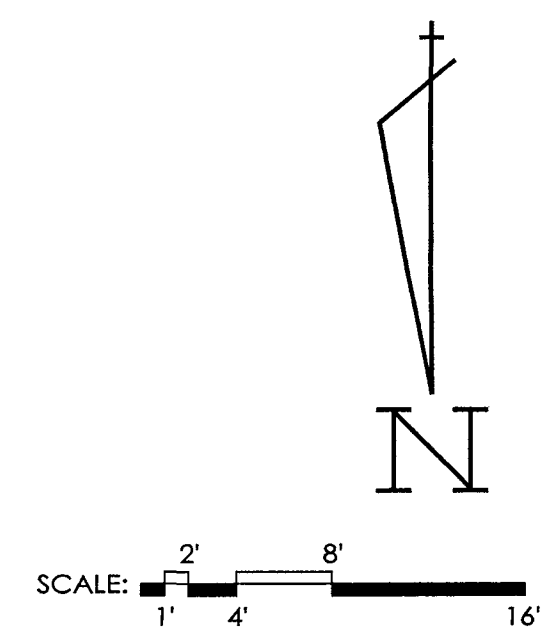


SCALE: AS NOTED
SHEET NO. S1 OF S11

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DONT
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



- BRACING/TRUSS PLAN LEGEND**
- 60' S.C. TRUSS @ 7'-6" O.C. TYPICAL
 - DOUBLE 60' S.C. HIP TRUSS @ 7'-6" O.C. TYPICAL W/TOP CHORD STIFFENER
 - QUADRUPLE 60' S.C. HIP TRUSS @ 7'-6" O.C. TYPICAL
 - 15' S.C. HALF TRUSS @ 7'-6" O.C. TYPICAL
 - 15' S.C. HALF TRUSS @ 7'-6" O.C. TYPICAL W/TOP CHORD STIFFENER
 - 21' S.C. HALF TRUSS @ 7'-6" O.C. TYPICAL
 - DOUBLE 21' S.C. HIP TRUSS @ 7'-6" O.C. TYPICAL W/TOP CHORD STIFFENER
 - DOUBLE 21' S.C. HIP TRUSS @ 7'-6" O.C. TYPICAL W/TOP CHORD STIFFENER
 - 2x10 JACK RAFTER @ 7'-6" O.C. (NO. 1 SYP)
 - 2x10 HIP RAFTER @ 7'-6" O.C. (NO. 1 SYP)
 - CONTINUOUS 2x4 LOWER CHORD TRUSS TIES APPROXIMATELY 7'-6" O.C. TYPICAL
 - 2x6 DIAGONAL END BRACES APPROXIMATELY 7'-6" O.C. TYPICAL



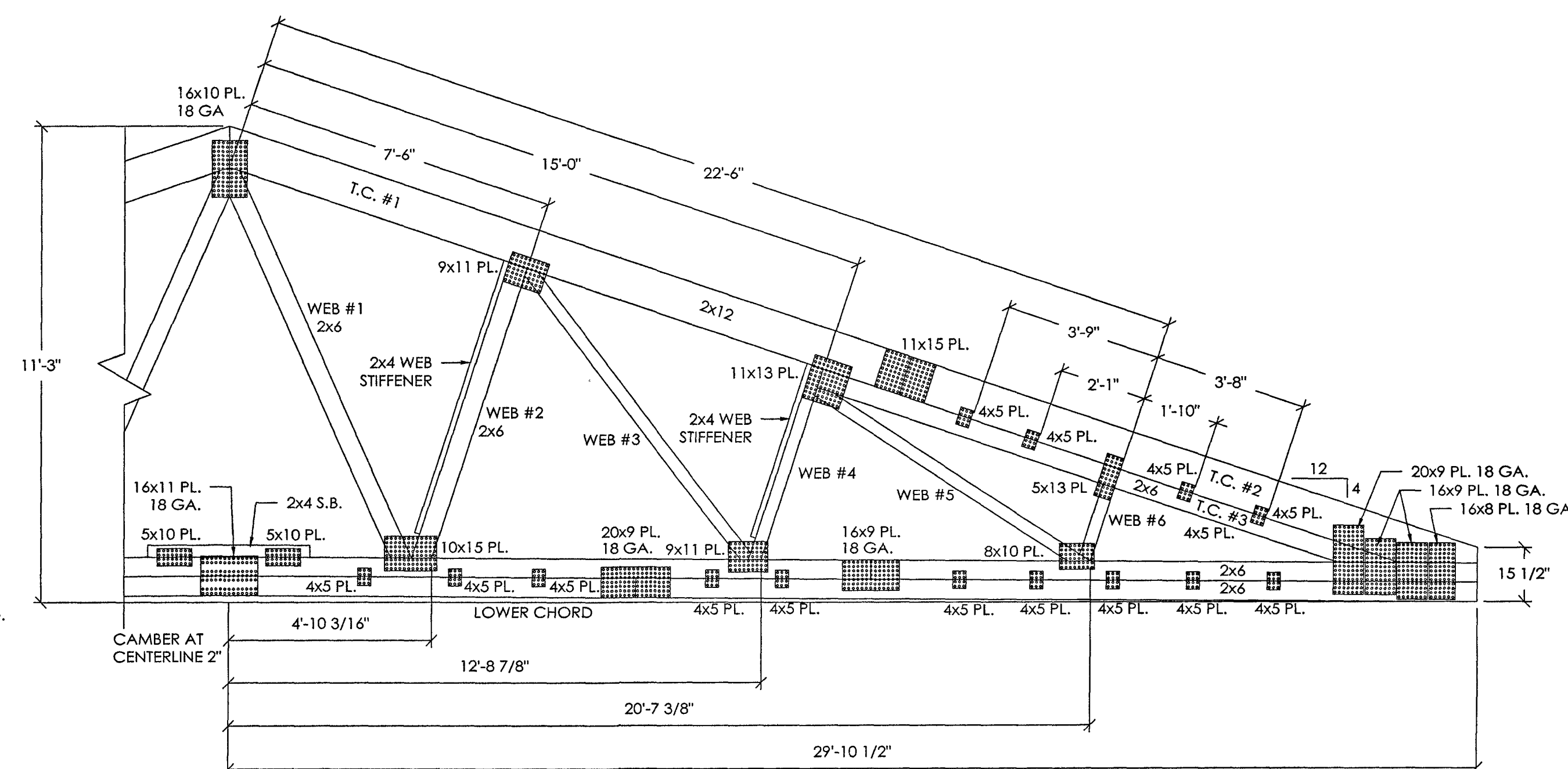
TRUSS SPACING	<u>7'-6"</u>	O.C.
LIVE LOAD	<u>16</u>	PSF
DEAD LOAD	<u>7</u>	PSF
CEILING LOAD	<u>4</u>	PSF
TOTAL LOAD	<u>27</u>	PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
 Lower 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-653, 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 31'-5 7/8"
Webs are 2x4's except where noted.



60' HL S.C. TRUSS

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

NOTE:

TRUSSES TO BE USED AS DOUBLE
MEMBER TRUSS SPACED 7'-6" O.C.

TRUSSES TO BE NAILED TOGETHER FROM EACH SIDE WITH .131 DIA. 2 7/8" R.S. GUN NAILS STAGGERED 8" O.C. ALONG TOP CHORD AND WEB MEMBERS, AND 24" O.C. ALONG LOWER CHORD.

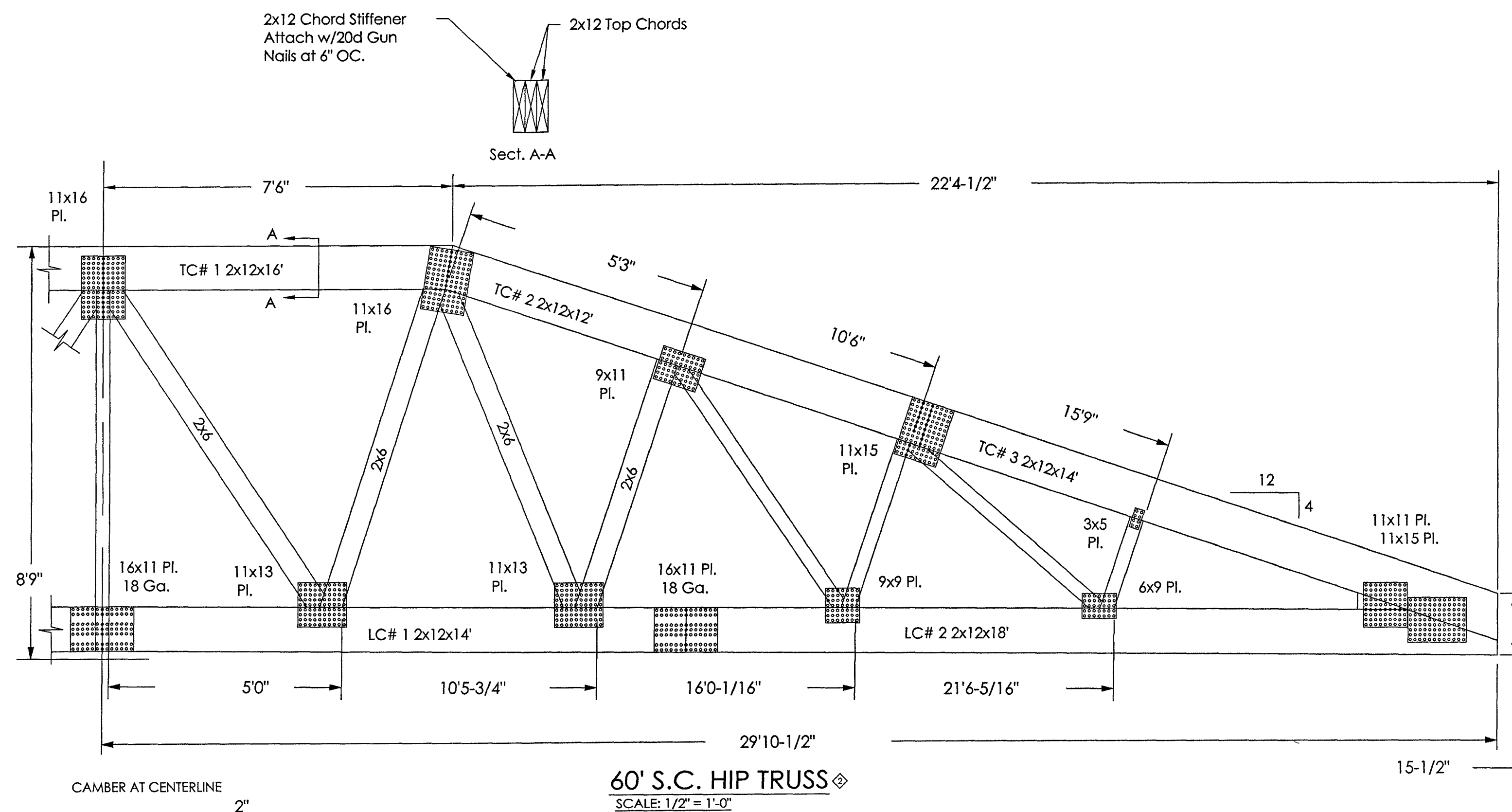
TRUSS SPACING	<u>3'-9"</u>	O.C.
LIVE LOAD	<u>16</u>	PSF
DEAD LOAD	<u>9</u>	PSF
CEILING LOAD	<u>4</u>	PSF
TOTAL LOAD	<u>29</u>	PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue
Plane Structure Analyzer IAW current standards and
specifications of recognized engineering principles.
Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
 Lower 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-653, 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 31'-1"
Webs are 2x4's except where noted.



NOTE:

TRUSSES TO BE USED AS QUADRUPLE
MEMBER TRUSS SPACED 11'-3" O.C.

TRUSSES TO BE NAILED TOGETHER
FROM EACH SIDE WITH .131 DIA.
2 7/8" R.S. GUN NAILS STAGGERED
8" O.C. ALONG TOP CHORD AND WEB
MEMBERS, AND 24" O.C. ALONG
LOWER CHORD.

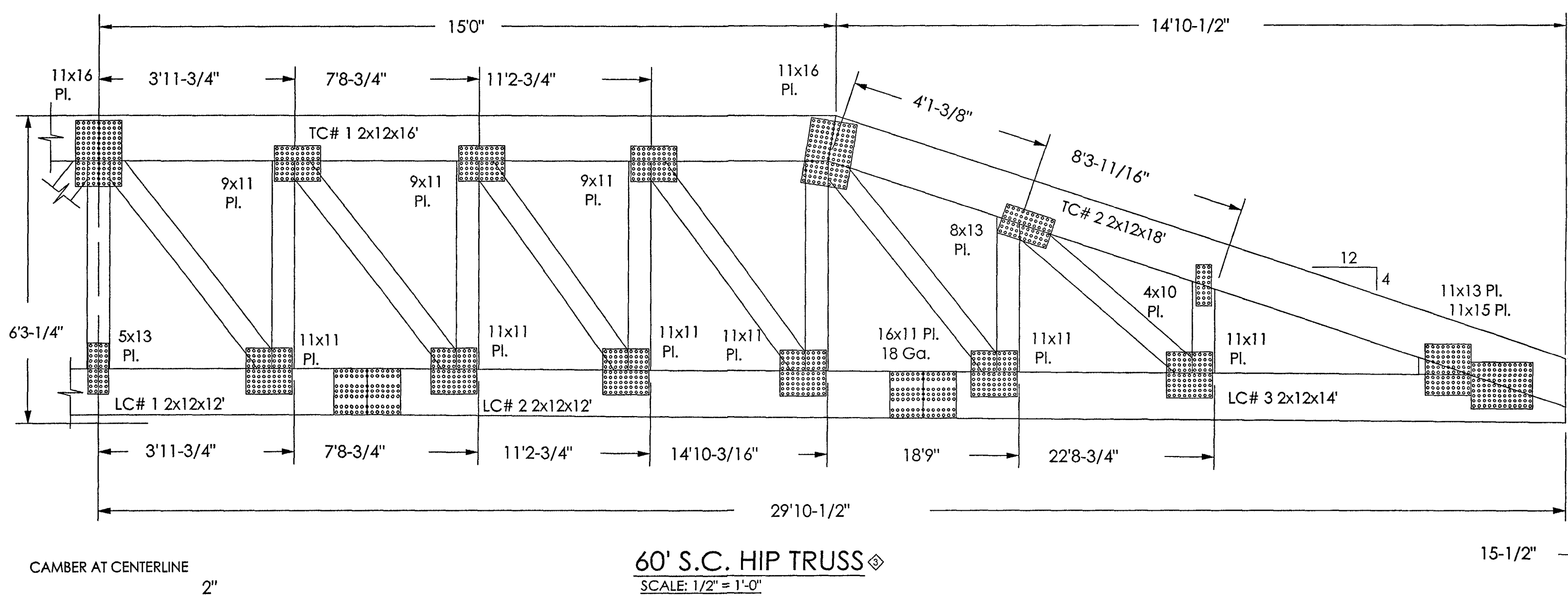
TRUSS SPACING	<u>2'-9 3/4" O.C.</u>	
LIVE LOAD	<u>16</u>	PSF
DEAD LOAD	<u>13</u>	PSF
CEILING LOAD	<u>4</u>	PSF
TOTAL LOAD	33	PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
 Lower 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-653, 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 30'-8 1/8"
Webs are 2x6's



60' S.C. HIP TRUSS

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

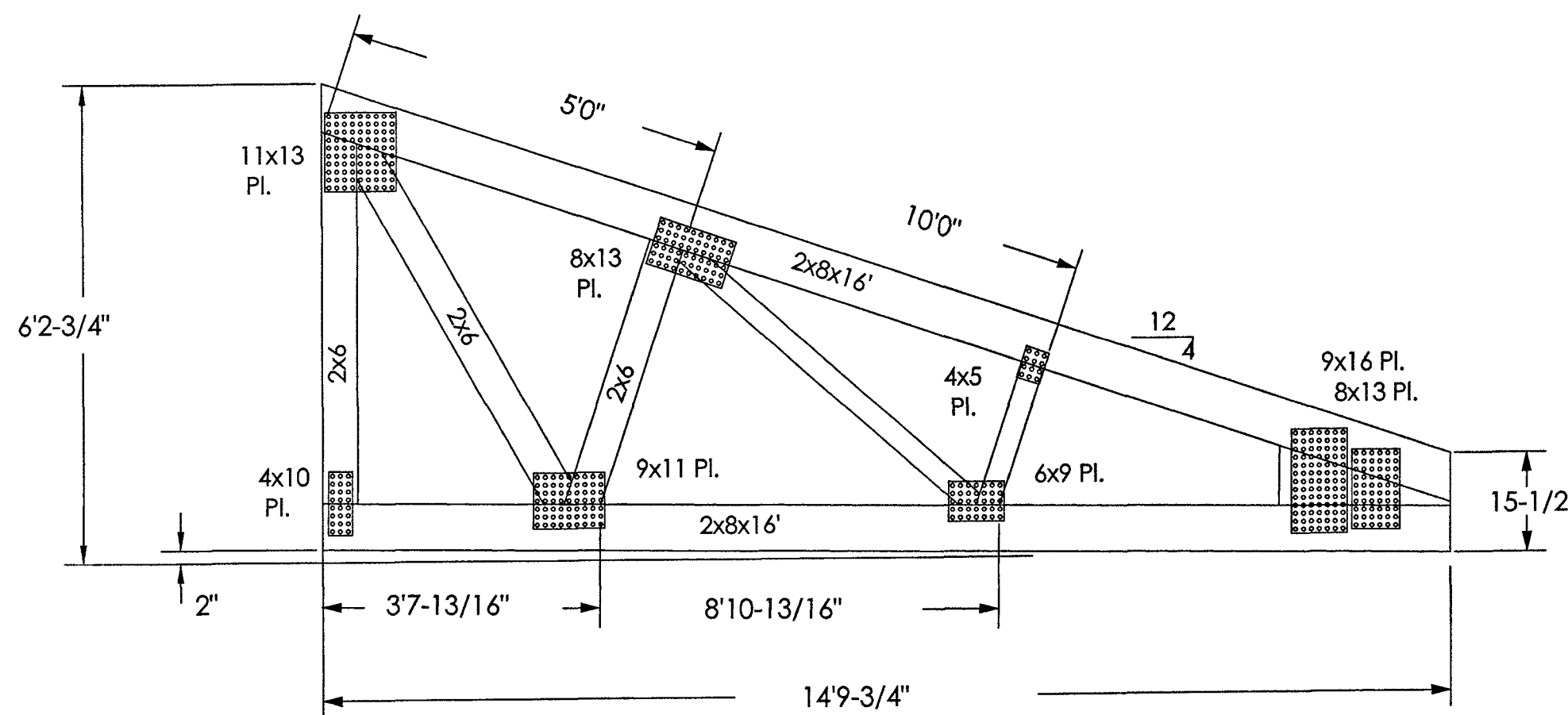
TRUSS SPACING	7'-6" O.C.
LIVE LOAD	16 PSF
DEAD LOAD	7 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	27 PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord — No. 1 K.D. - 19 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-653, 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 15'-7 3/8"
Webs are 2x6's except where noted.



15' S.C. HALF TRUSS
SCALE: 1/2" = 1'-0"

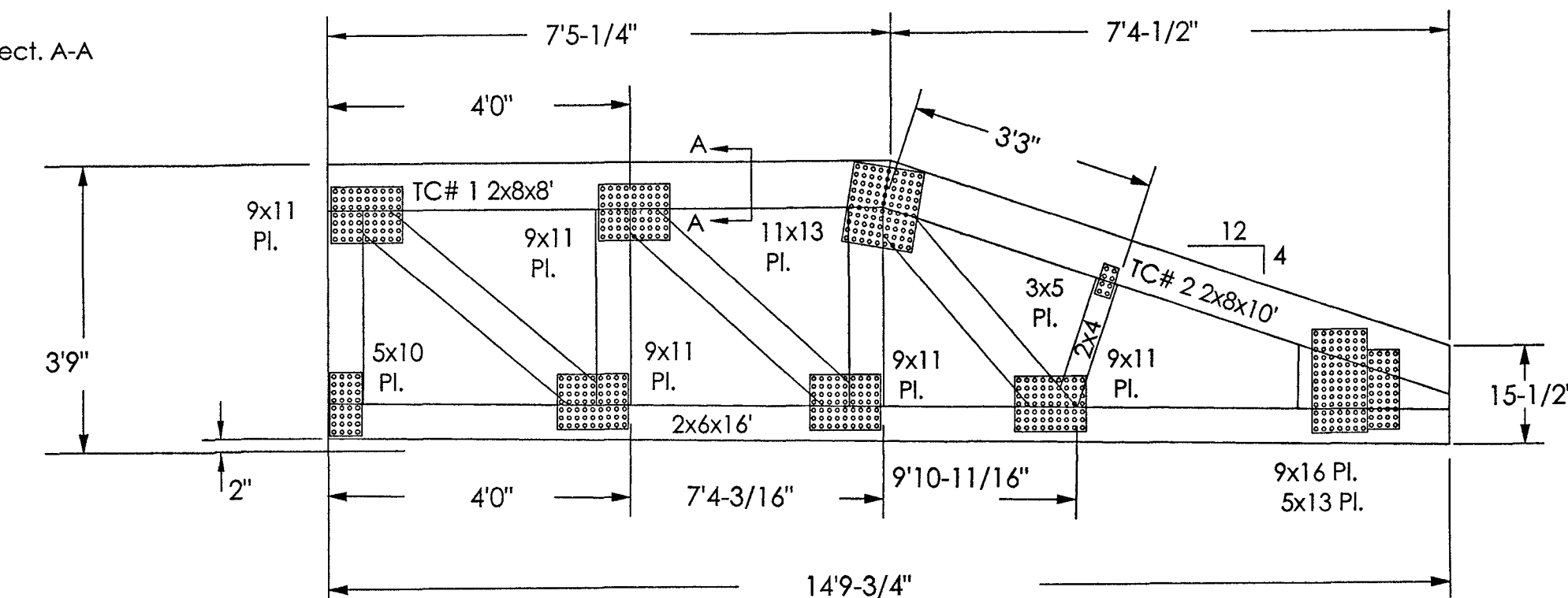
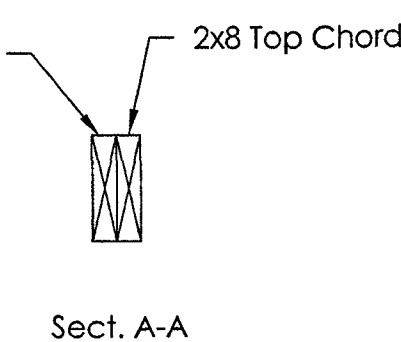
TRUSS SPACING	7'-6" O.C.
LIVE LOAD	16 PSF
DEAD LOAD	7 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	27 PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord — No. 1 K.D. - 19 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-653, 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 15'-2 9/16"
Webs are 2x6's except where noted.



15' S.C. HALF HIP TRUSS
SCALE: 1/2" = 1'-0"

NOTE:

TRUSSES TO BE USED AS DOUBLE MEMBER TRUSS SPACED 7'-6" O.C.

TRUSSES TO BE NAILED TOGETHER FROM EACH SIDE WITH .131 DIA. 2 7/8" R.S. GUN NAILS STAGGERED 8" O.C. ALONG TOP CHORD AND WEB MEMBERS, AND 24" O.C. ALONG LOWER CHORD.

TRUSS SPACING	3'-9" O.C.
LIVE LOAD	16 PSF
DEAD LOAD	9 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	27 PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord — No. 1 K.D. - 19 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-653, 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'-3 1/8"
Webs are 2x6's except where noted.

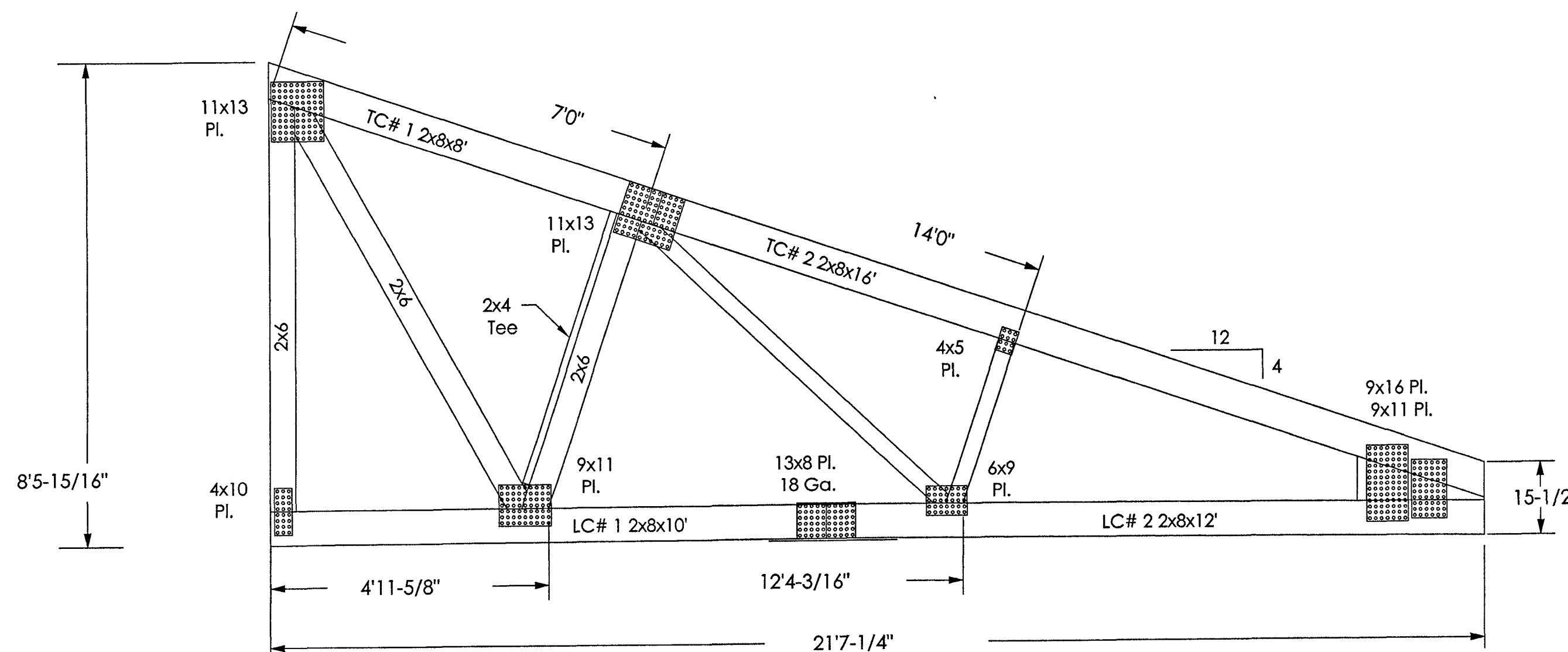
TRUSS SPACING	7'-6" O.C.
LIVE LOAD	16 PSF
DEAD LOAD	7 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	27 PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord — No. 1 K.D. - 19 Southern Pine
Top Chord — No. 1 K.D. - 19 Southern Pine
Web Members — No. 1 K.D. - 19 Southern Pine

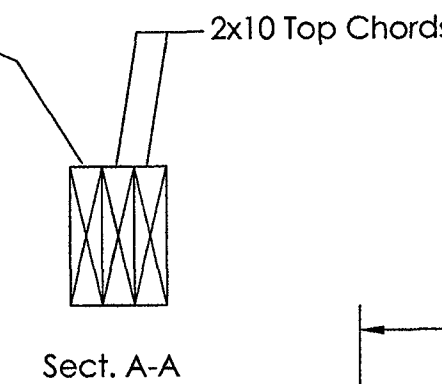
TRUSS PLATE SPECIFICATION (ICBO Evaluation report No. 2929):
ASTM A-653, Grade A 20 Ga. and 18 Ga. where noted, galvanized steel Morton truss plates identified by a hexagon stamped every 1 1/4" along the center of the plate.

RAFTER LENGTH 22'-9 1/4"
Webs are 2x6's except where noted.



1/2" Camber
21' S.C. HALF TRUSS
SCALE: 1/2" = 1'-0"

2x10 Chord Stiffener
Attach w/10d RS Gun Nails at 6" O.C.



NOTE:

TRUSSES TO BE USED AS DOUBLE MEMBER TRUSS SPACED 7'-6" O.C.

TRUSSES TO BE NAILED TOGETHER FROM EACH SIDE WITH .131 DIA. 2 7/8" R.S. GUN NAILS STAGGERED 8" O.C. ALONG TOP CHORD AND WEB MEMBERS, AND 24" O.C. ALONG LOWER CHORD.

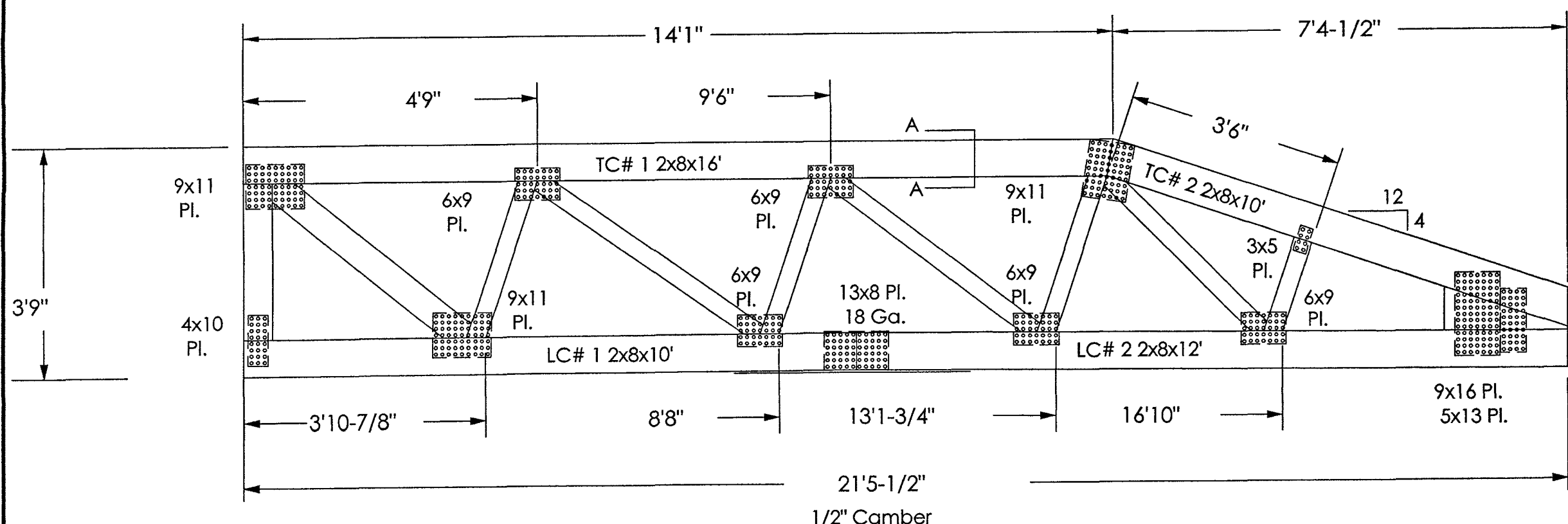
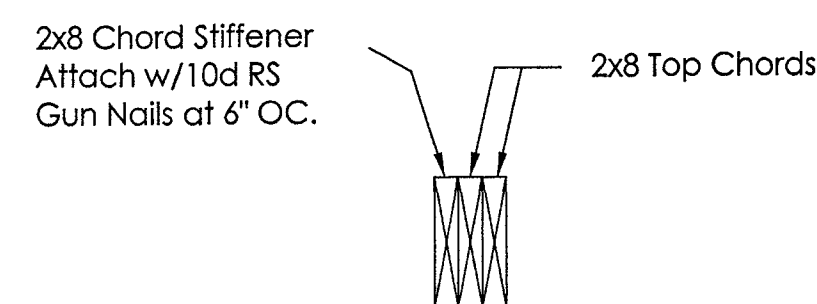
TRUSS SPACING	3'-9" O.C.
LIVE LOAD	16 PSF
DEAD LOAD	9 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	27 PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord — No. 1 K.D. - 19 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-653, 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 21'-10 5/16"
Webs are 2x4's except where noted.



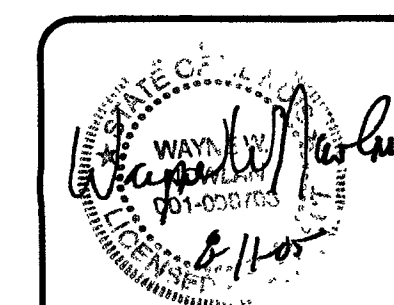
1/2" Camber
21' S.C. HALF HIP TRUSS
SCALE: 1/2" = 1'-0"

OFFICE: MORTON, IL
JOB NO. 021-1962

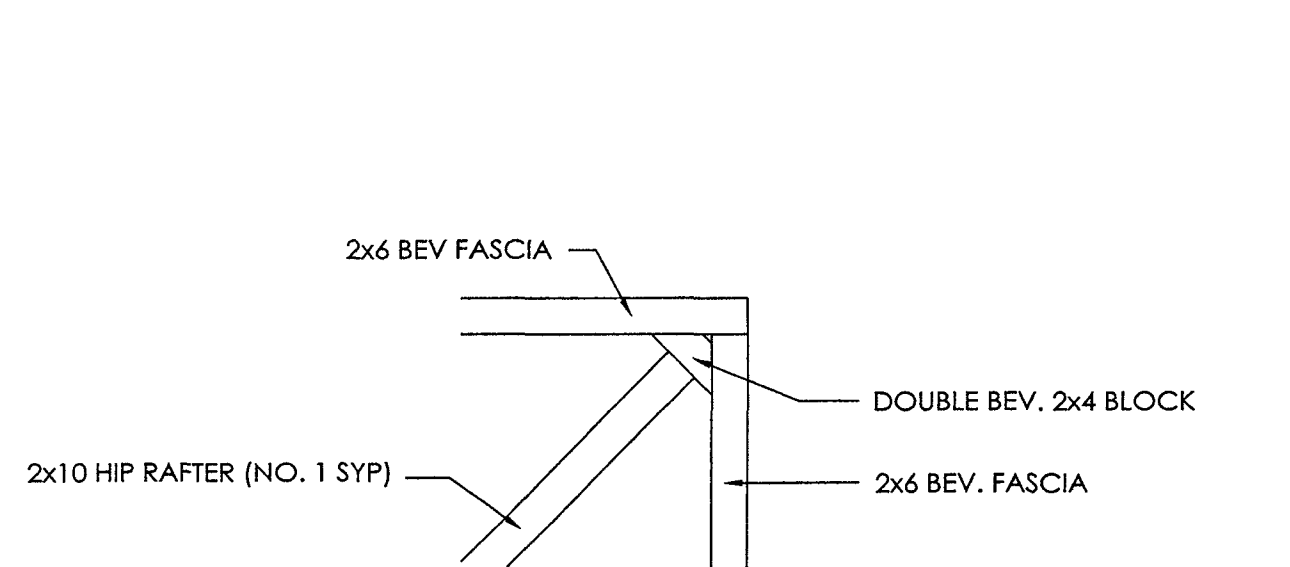
LINCOLN COLLEGE
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

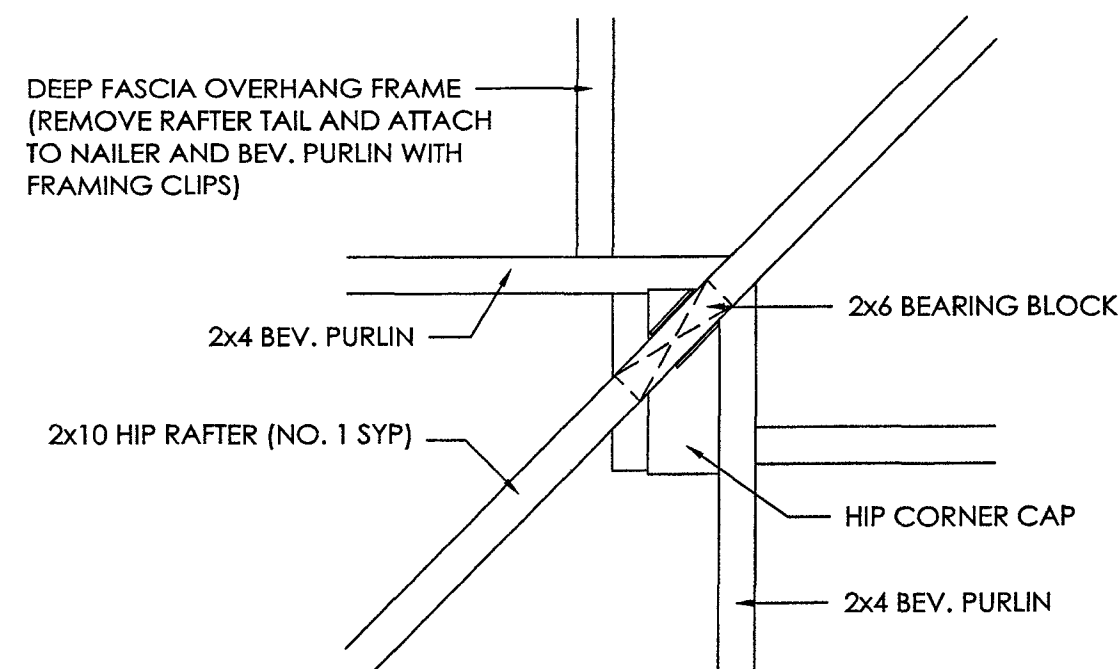
DRAWN BY: SV828
DATE: 05.10.05
CHECKED BY: DON T.
DATE: 06.17.05
REVISED DATE:
REVISED DATE:
REVISED DATE:



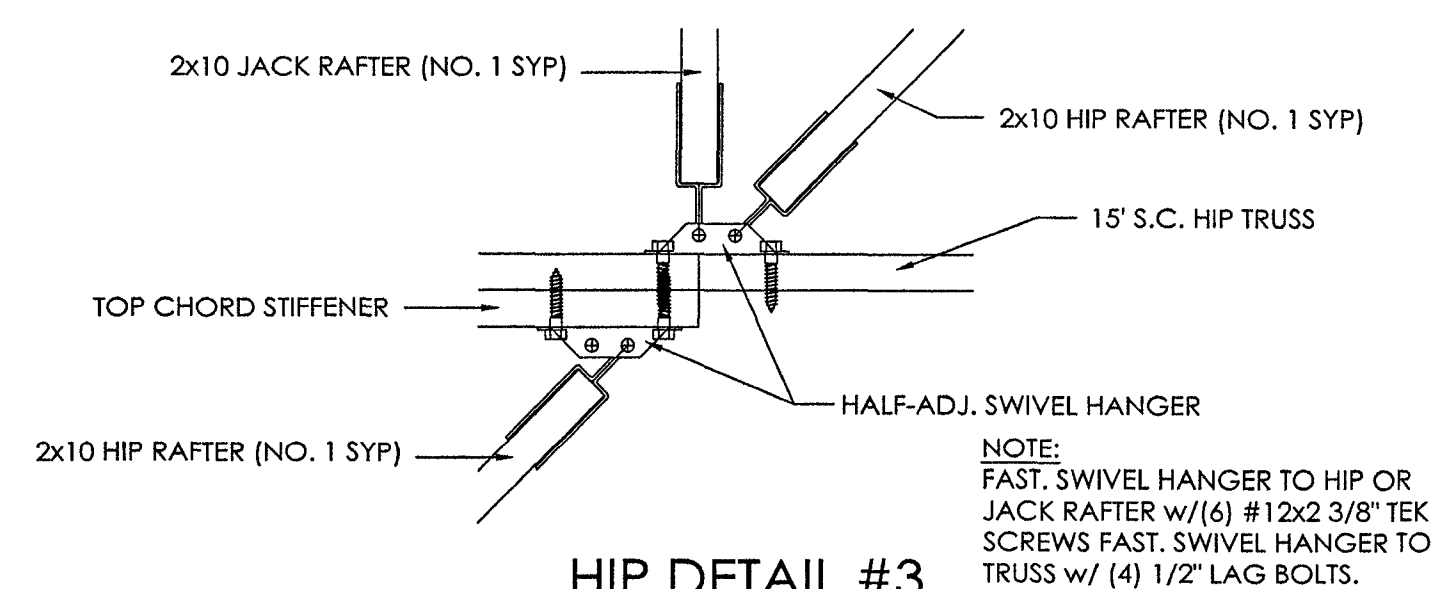
SCALE: AS NOTED
SHEET NO. S4 OF S11



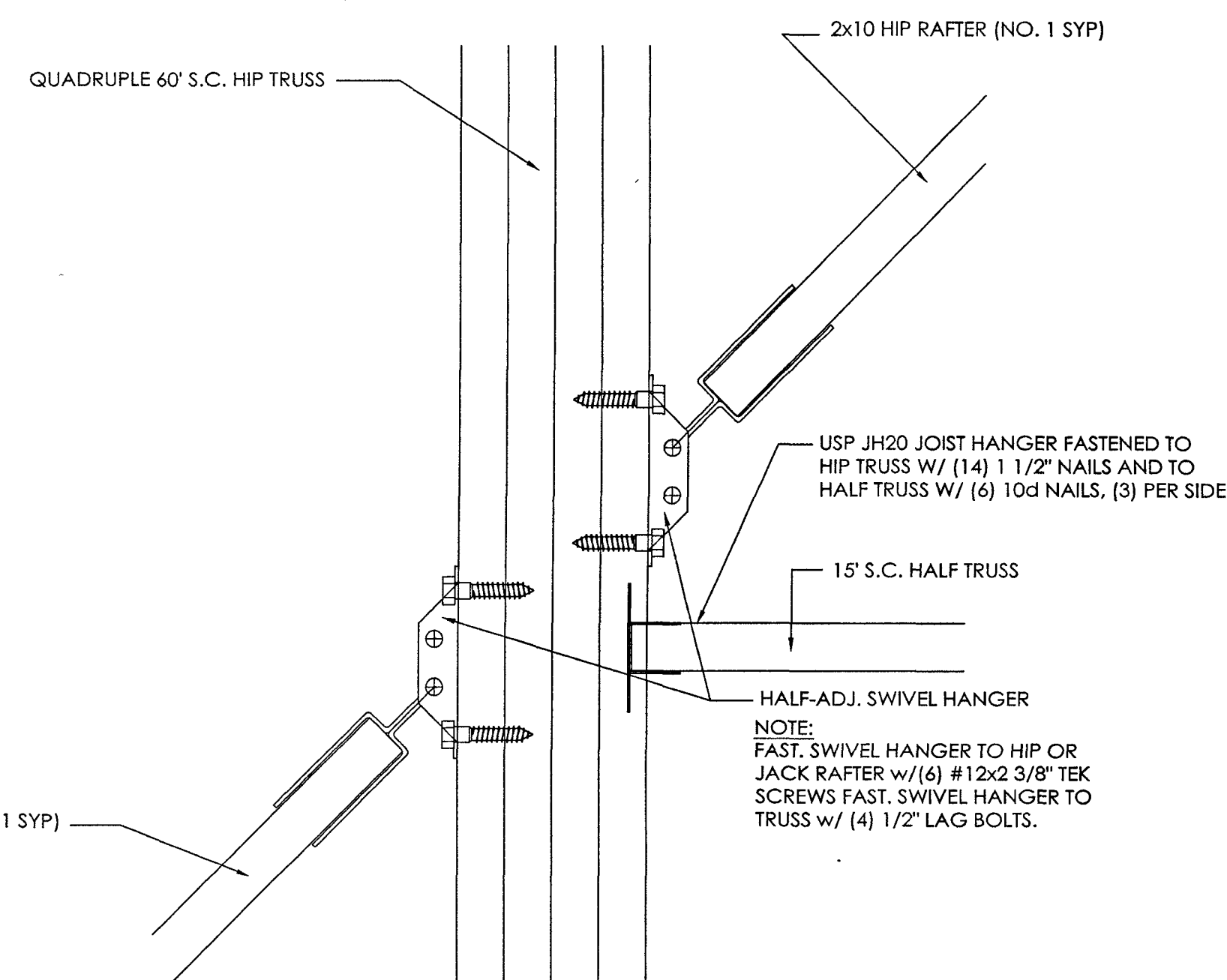
HIP DETAIL #1
SCALE: 1 1/2" = 1'-0"



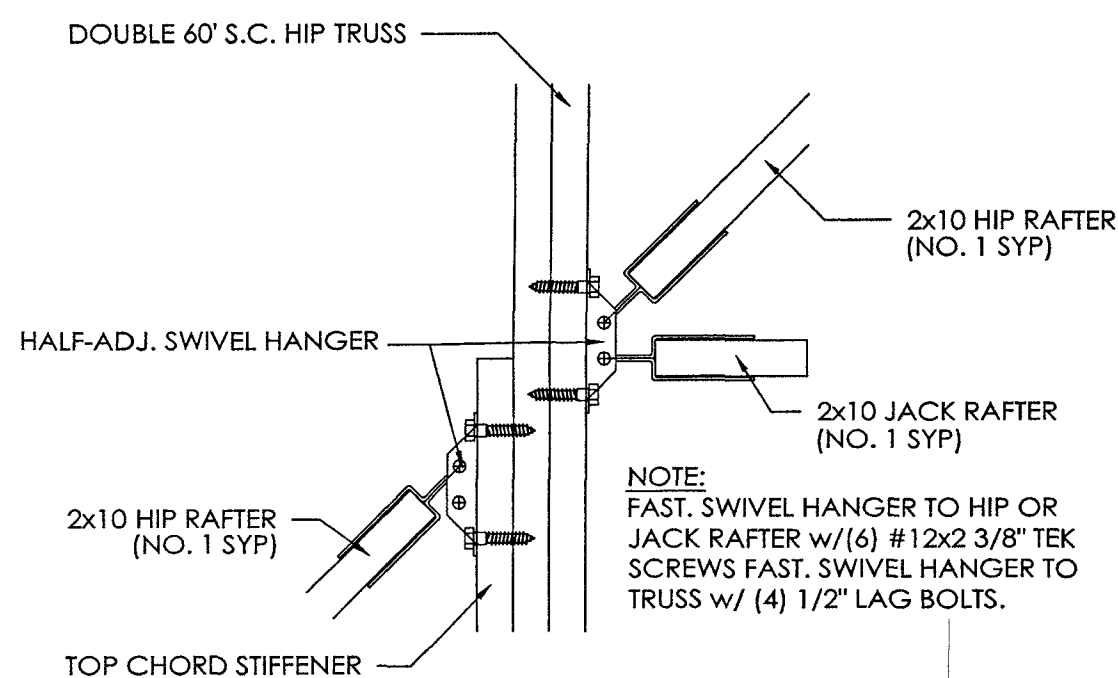
HIP DETAIL #2
SCALE: 1 1/2" = 1'-0"



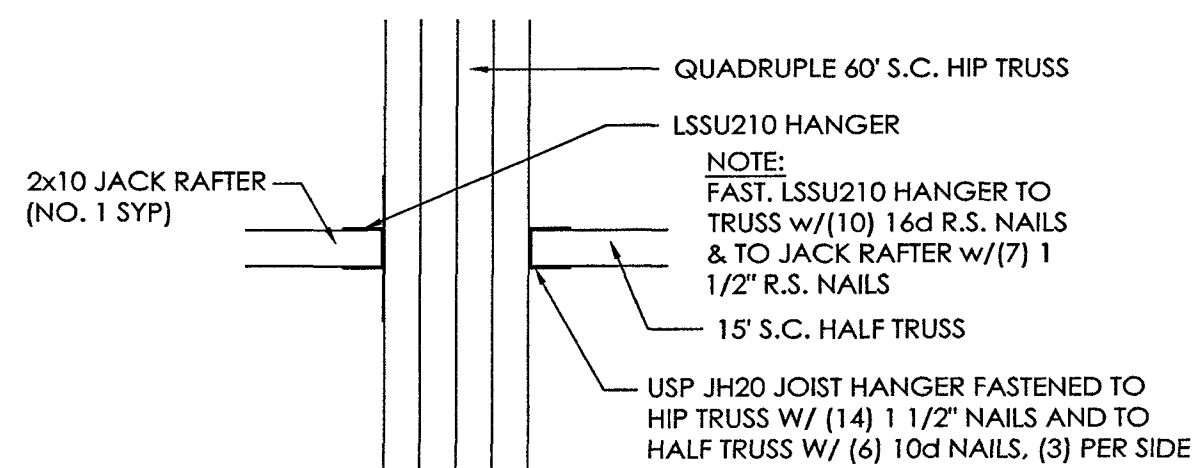
HIP DETAIL #3
SCALE: 1 1/2" = 1'-0"



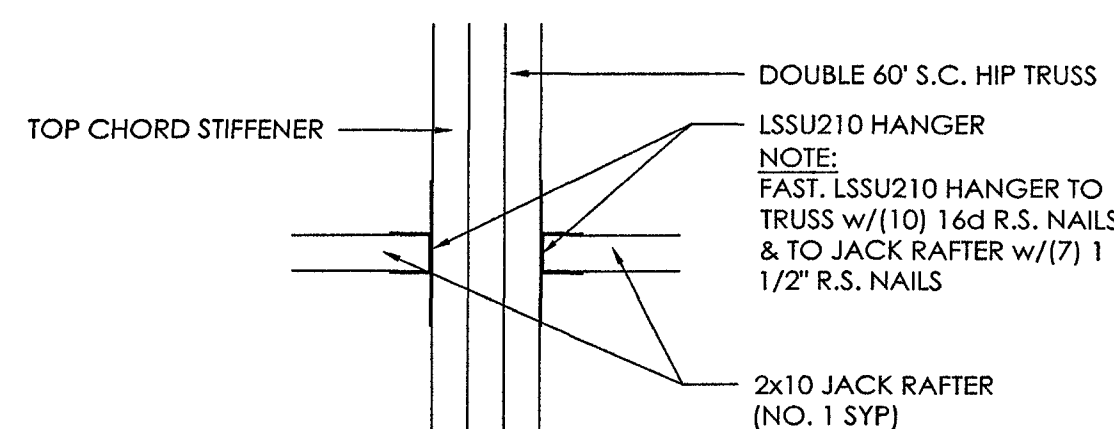
HIP DETAIL #4
SCALE: 1 1/2" = 1'-0"



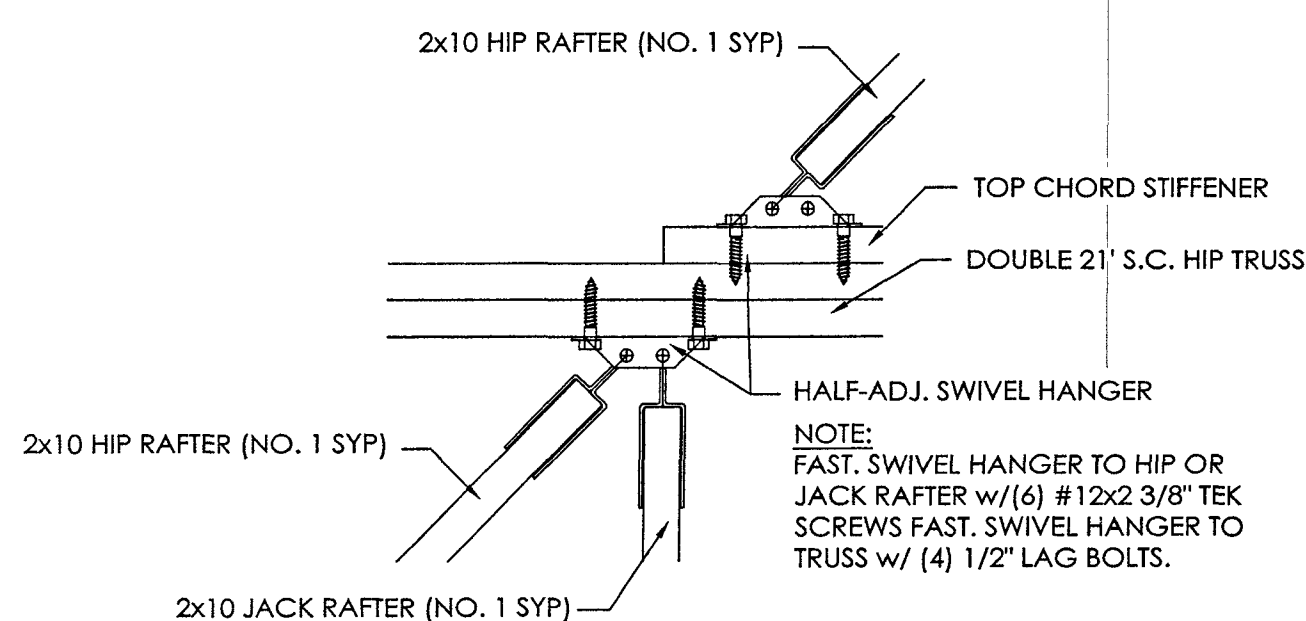
HIP DETAIL #5
SCALE: 1 1/2" = 1'-0"



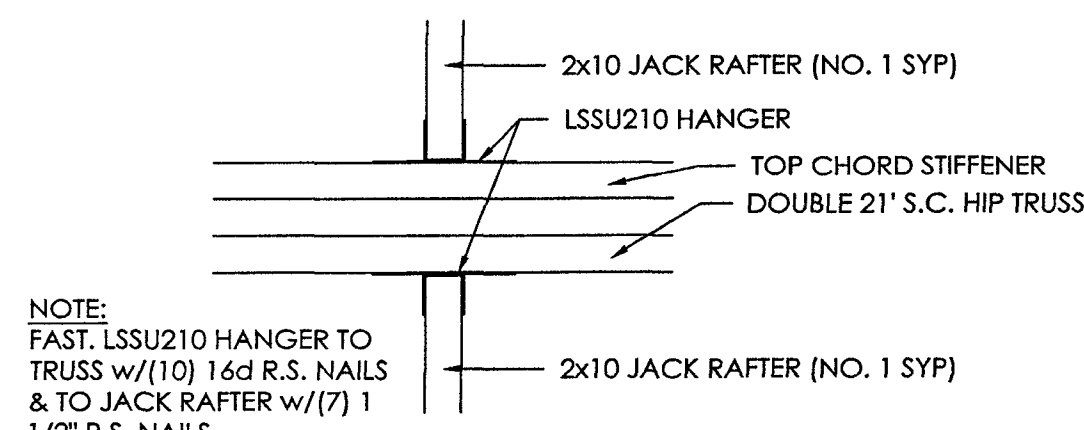
HIP DETAIL #6
SCALE: 1 1/2" = 1'-0"



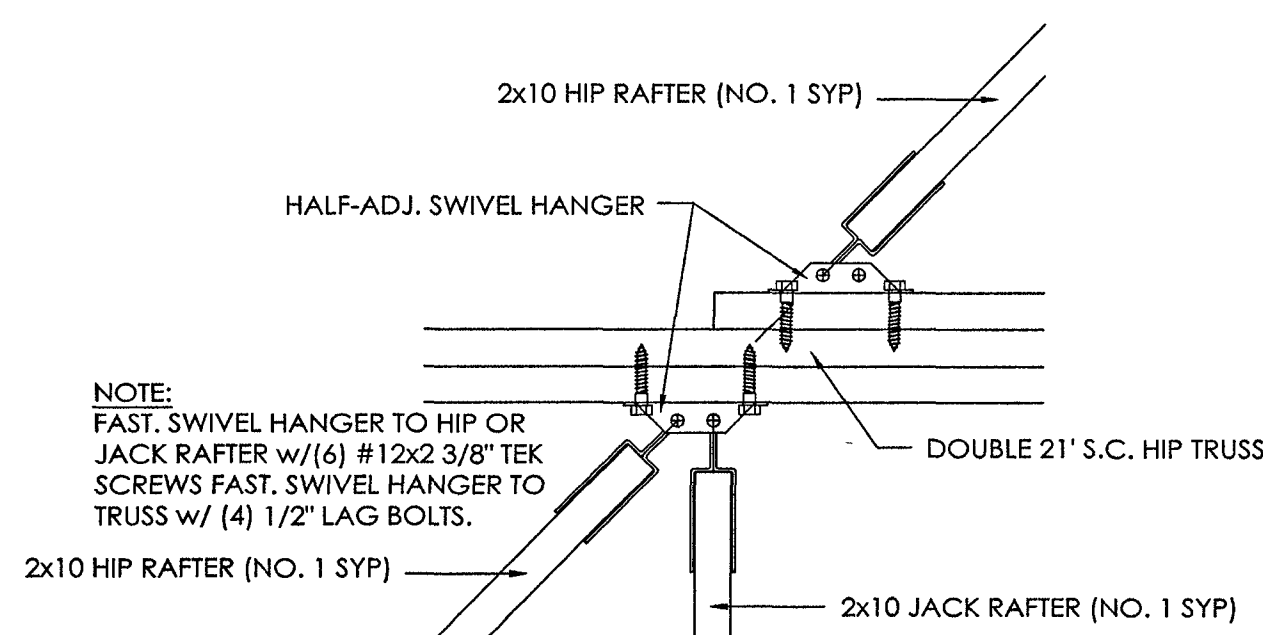
HIP DETAIL #7
SCALE: 1 1/2" = 1'-0"



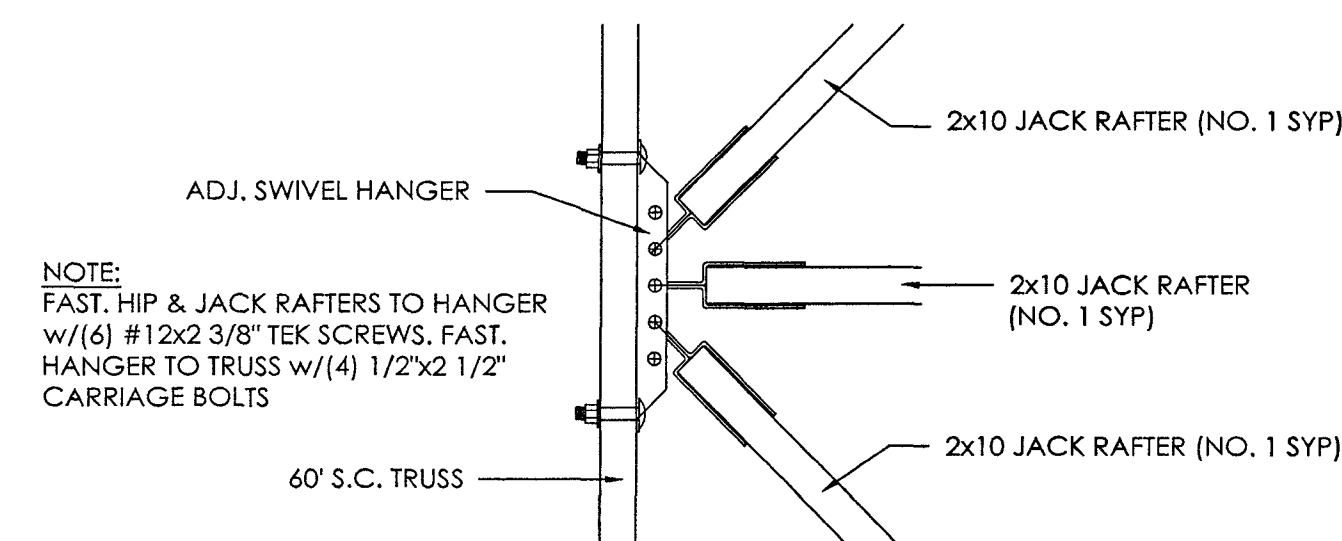
HIP DETAIL #9
SCALE: 1 1/2" = 1'-0"



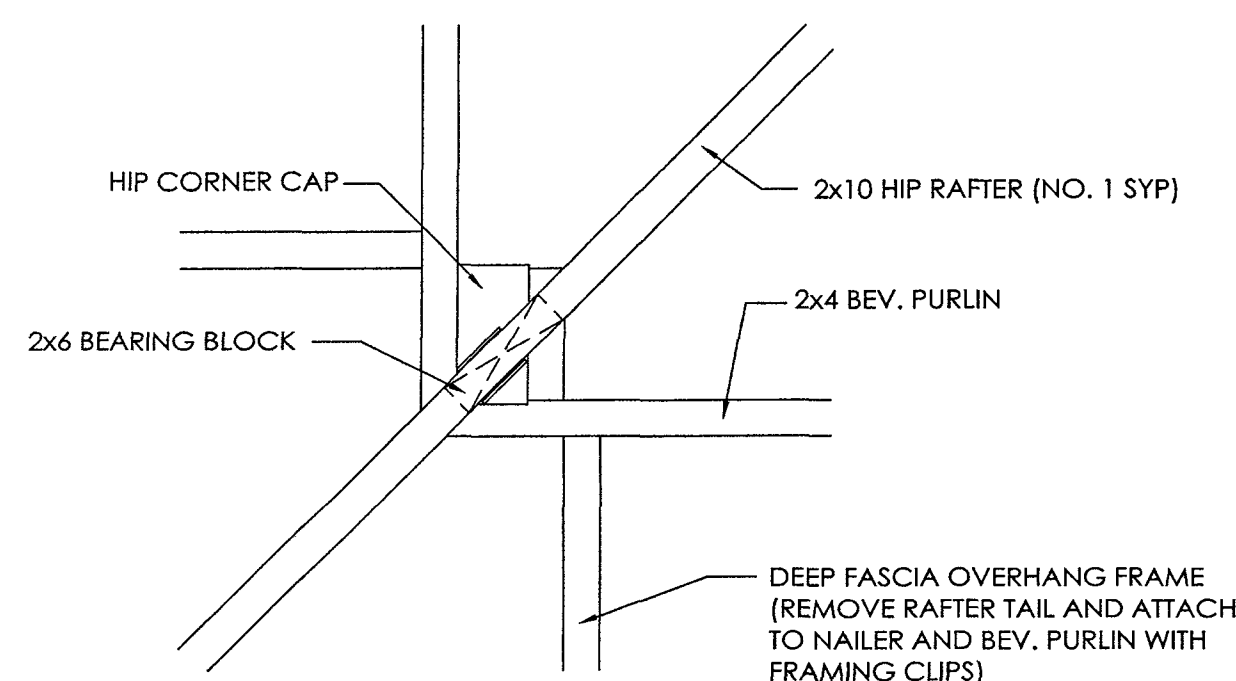
HIP DETAIL #10
SCALE: 1 1/2" = 1'-0"



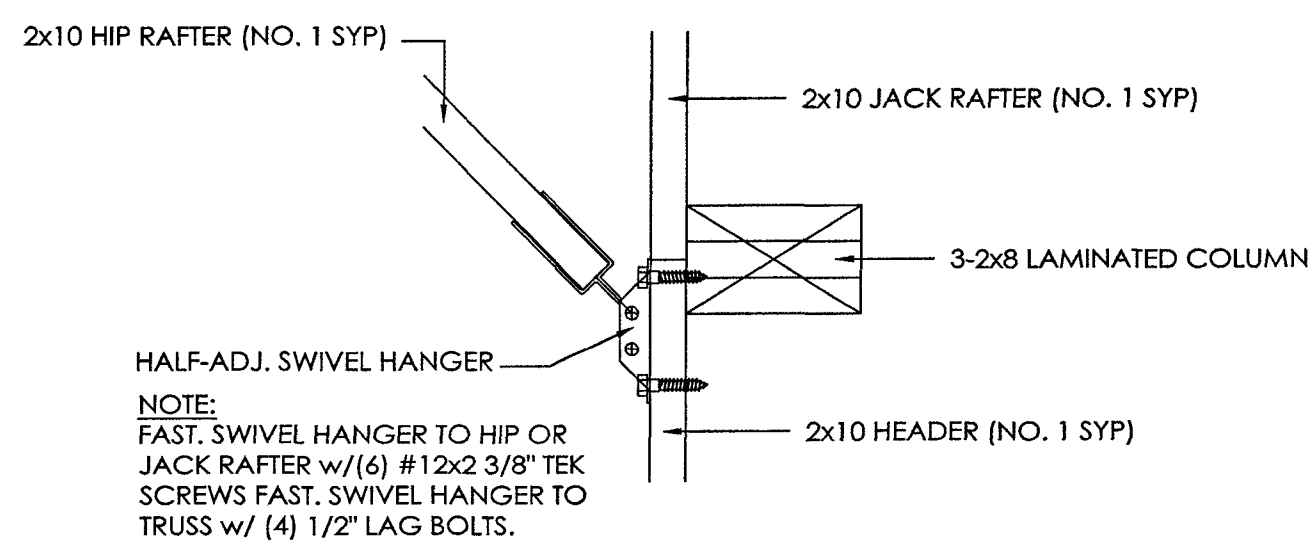
HIP DETAIL #11
SCALE: 1 1/2" = 1'-0"



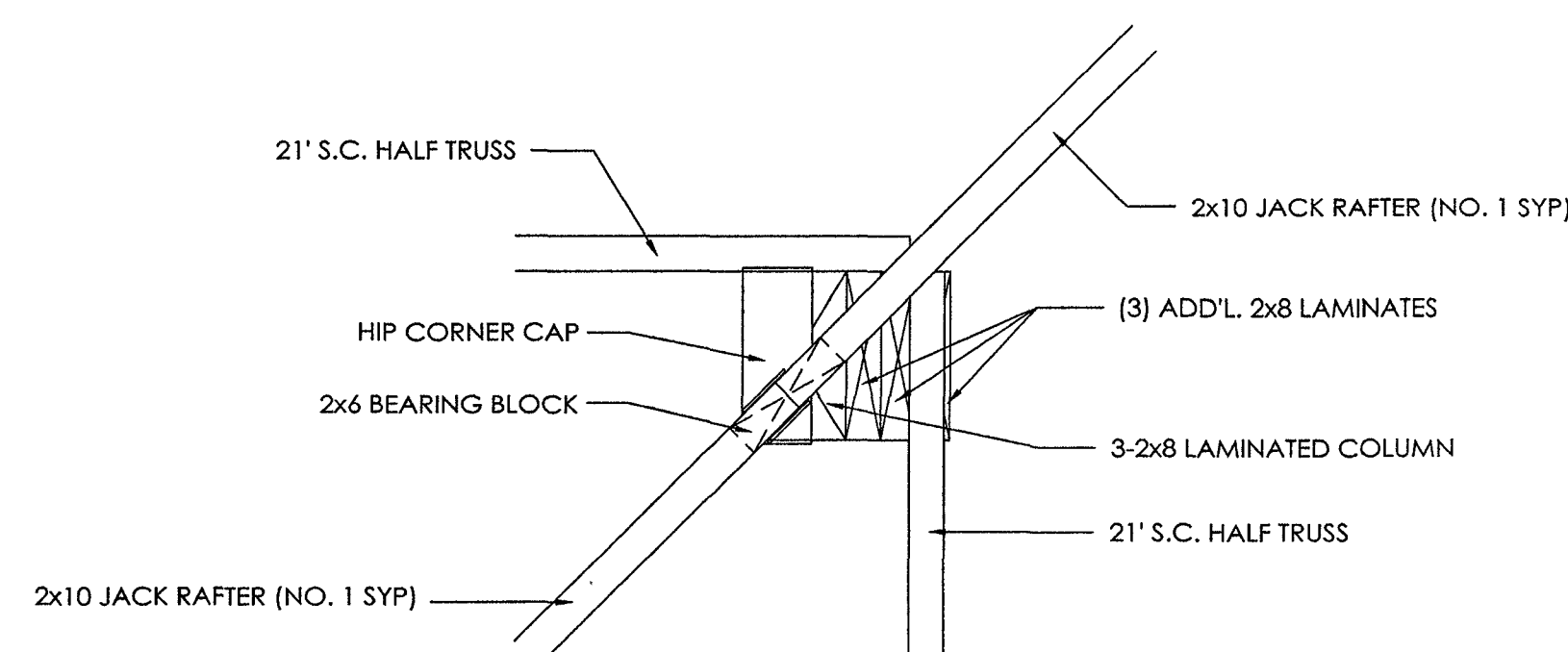
HIP DETAIL #8
SCALE: 1 1/2" = 1'-0"



HIP DETAIL #12
SCALE: 1 1/2" = 1'-0"

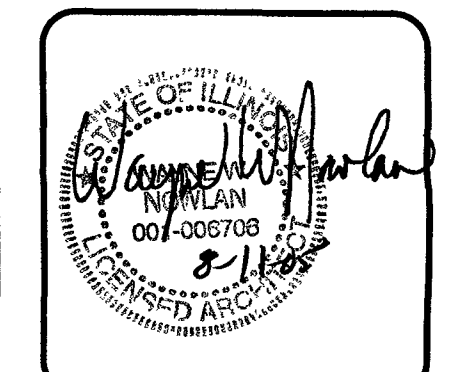


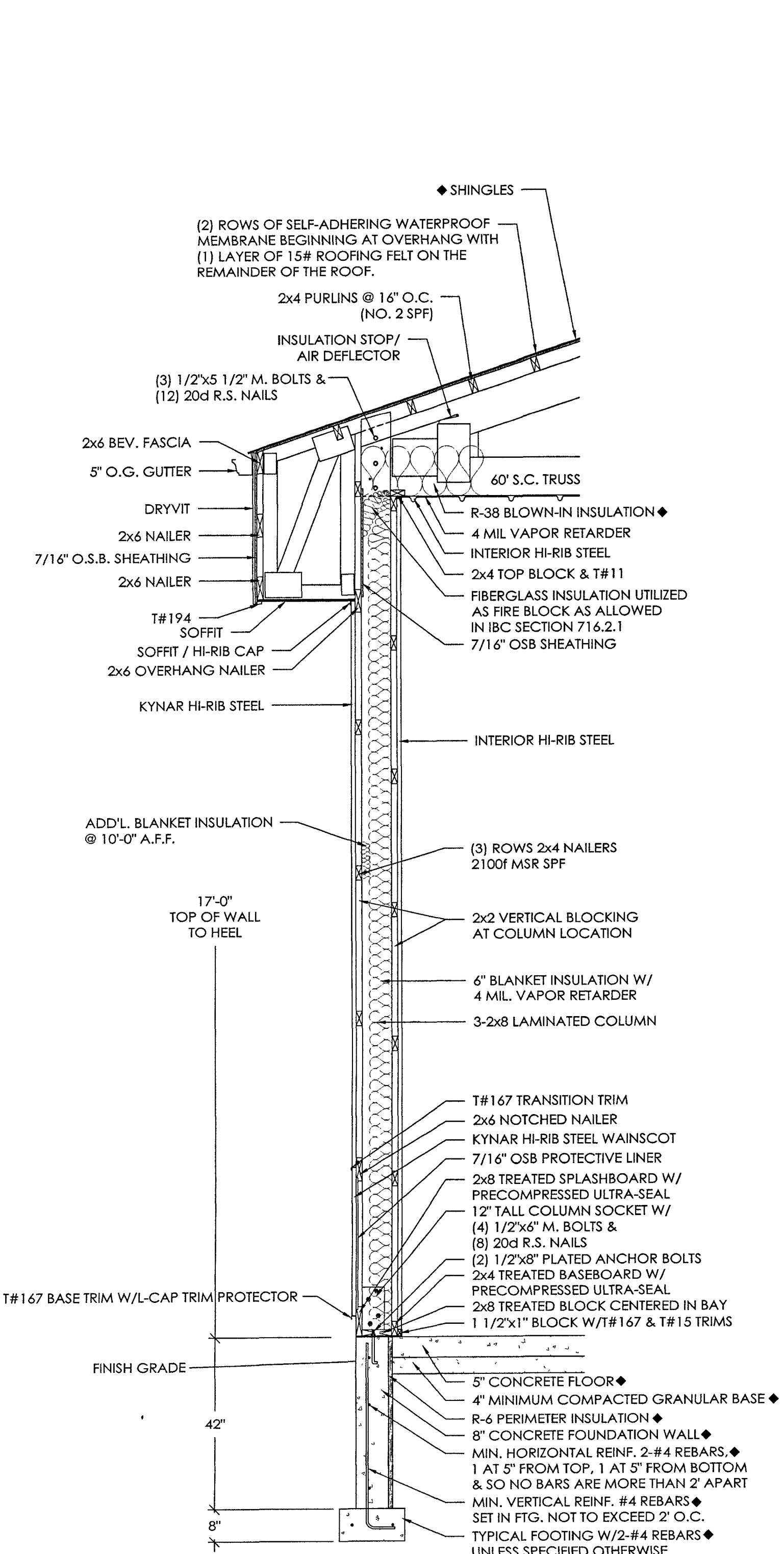
HIP DETAIL #13
SCALE: 1 1/2" = 1'-0"



HIP DETAIL #14
SCALE: 1 1/2" = 1'-0"

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



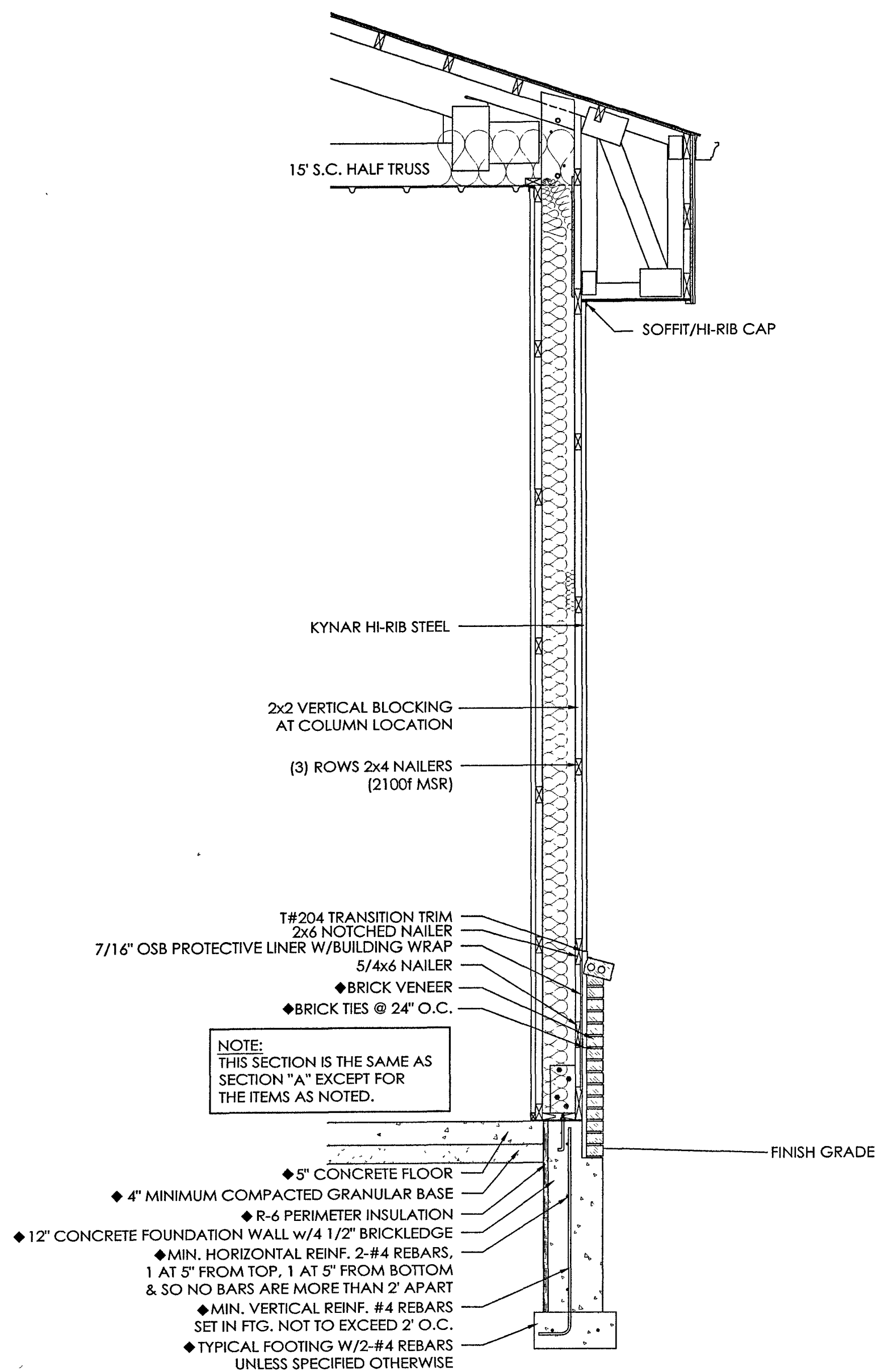
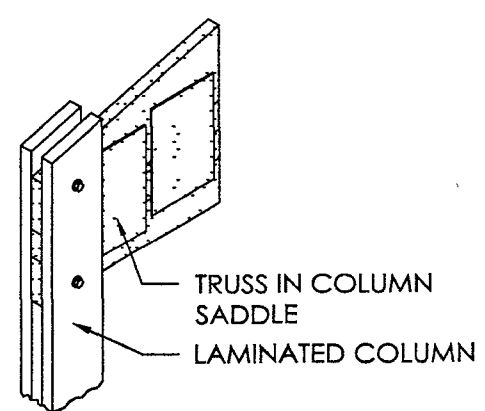


SIDEWALL SECTION A
SCALE: 1/2" = 1'-0"

CONCRETE FLOOR NOTES
1) 3500 PSI, 5 1/2" BAG MIX CONCRETE
2) REINFORCING 6x6-10x10 WWM
3) SLOPE GRADE AWAY FROM BUILDING @ 1" PER FOOT FOR A MINIMUM DISTANCE OF 10' PLUS OVERHANG WIDTH
4) WHEN A VAPOR RETARDER IS PROVIDED, PLACE A MINIMUM 6" MIL POLYETHYLENE VAPOR RETARDER ON TOP OF A MINIMUM 4" COMPACTED GRANULAR BASE AND DIRECTLY BELOW THE CONCRETE FLOOR

NOTE:
REMOVE TURF AND UNDERLYING TOP SOIL AND PREPARE FLOOR SUB GRADE PER RECOMMENDATIONS OF JUNE 27, 2005 REPORT OF TESTING SERVICE CORPORATION.

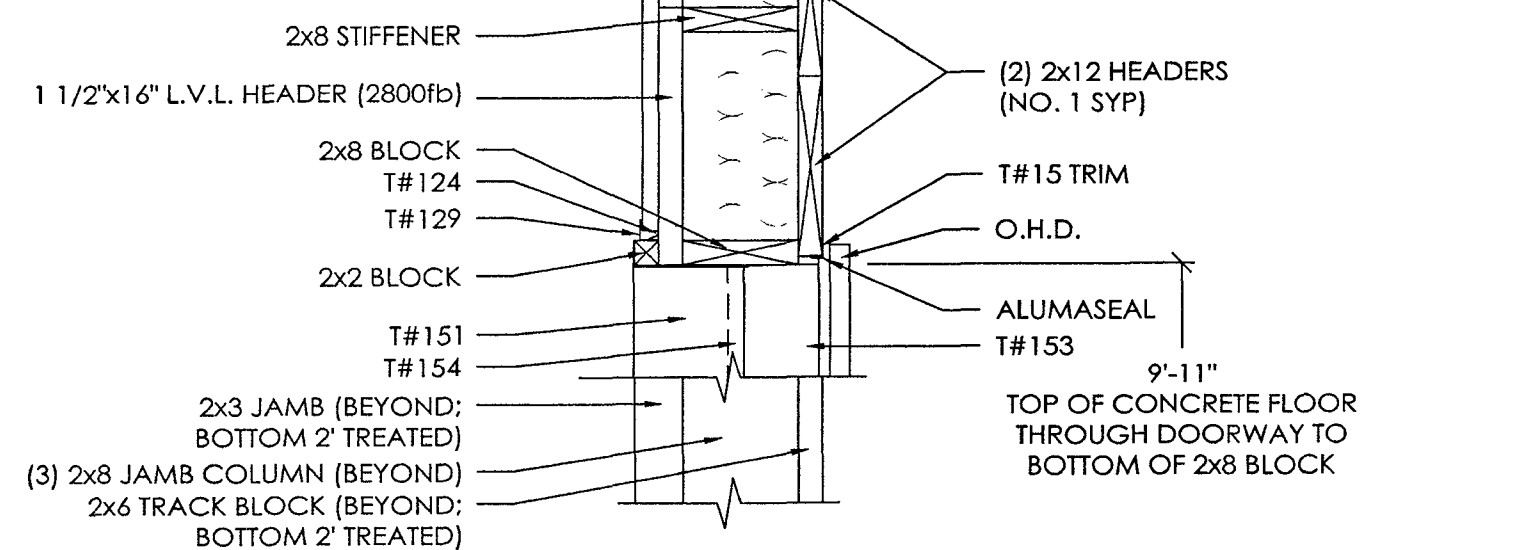
NOTE:
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.



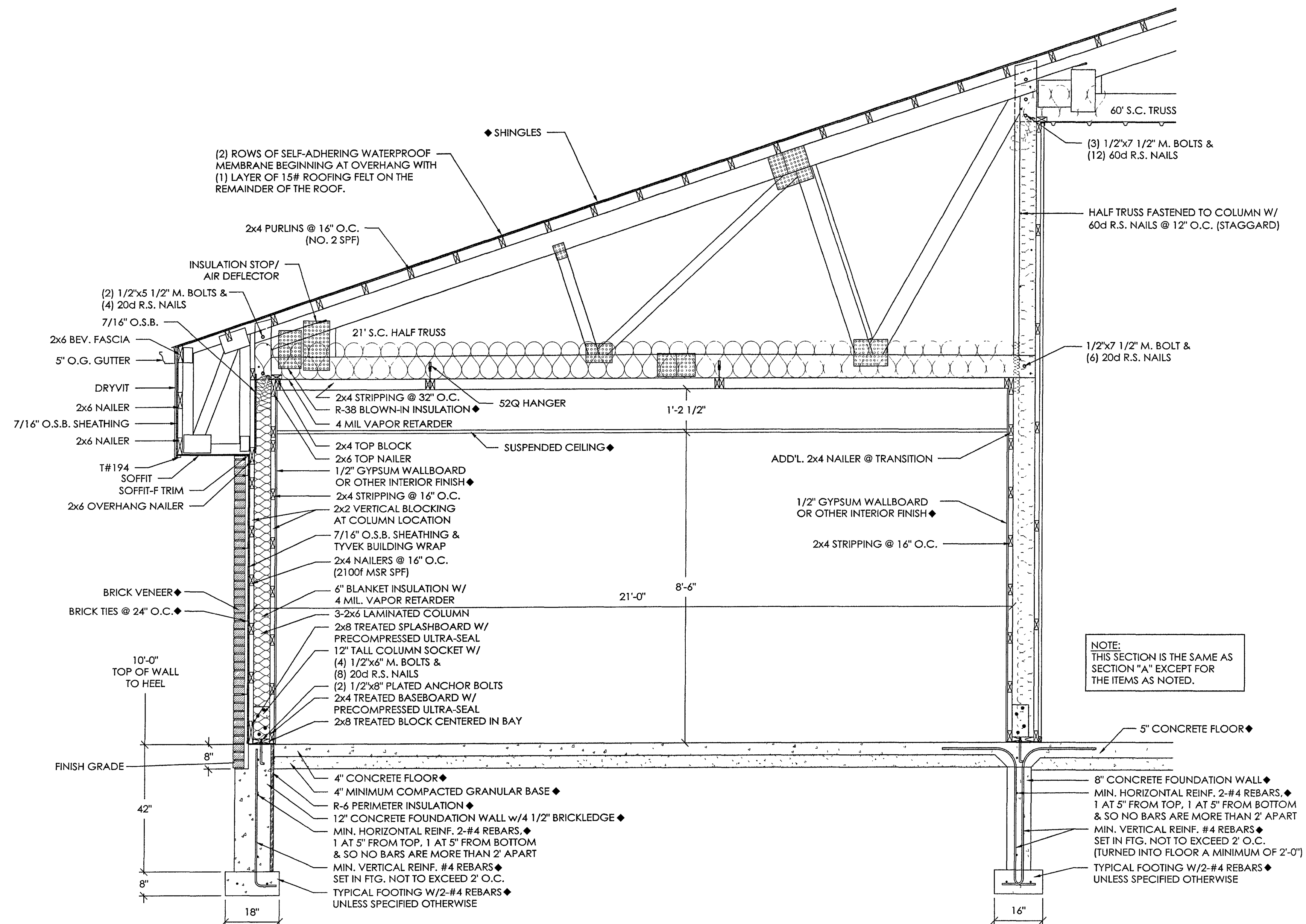
ENDWALL SECTION B
SCALE: 1/2" = 1'-0"

HEADER NAILING SCHEDULE		
HEADER MEMBER	STUB COLUMN	JAMB COLUMN
EA. 2x10	8	6
EA. 2x12	10	8
L.V.L.	16	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.

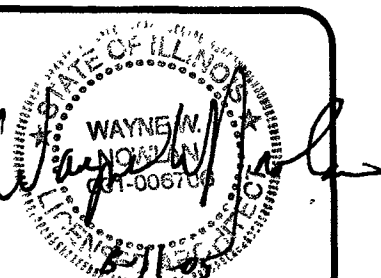


OHD HEADER SECTION C
SCALE: 1" = 1'-0"



LEAN-TO SECTION D
 SCALE: 1/2" = 1'-0"

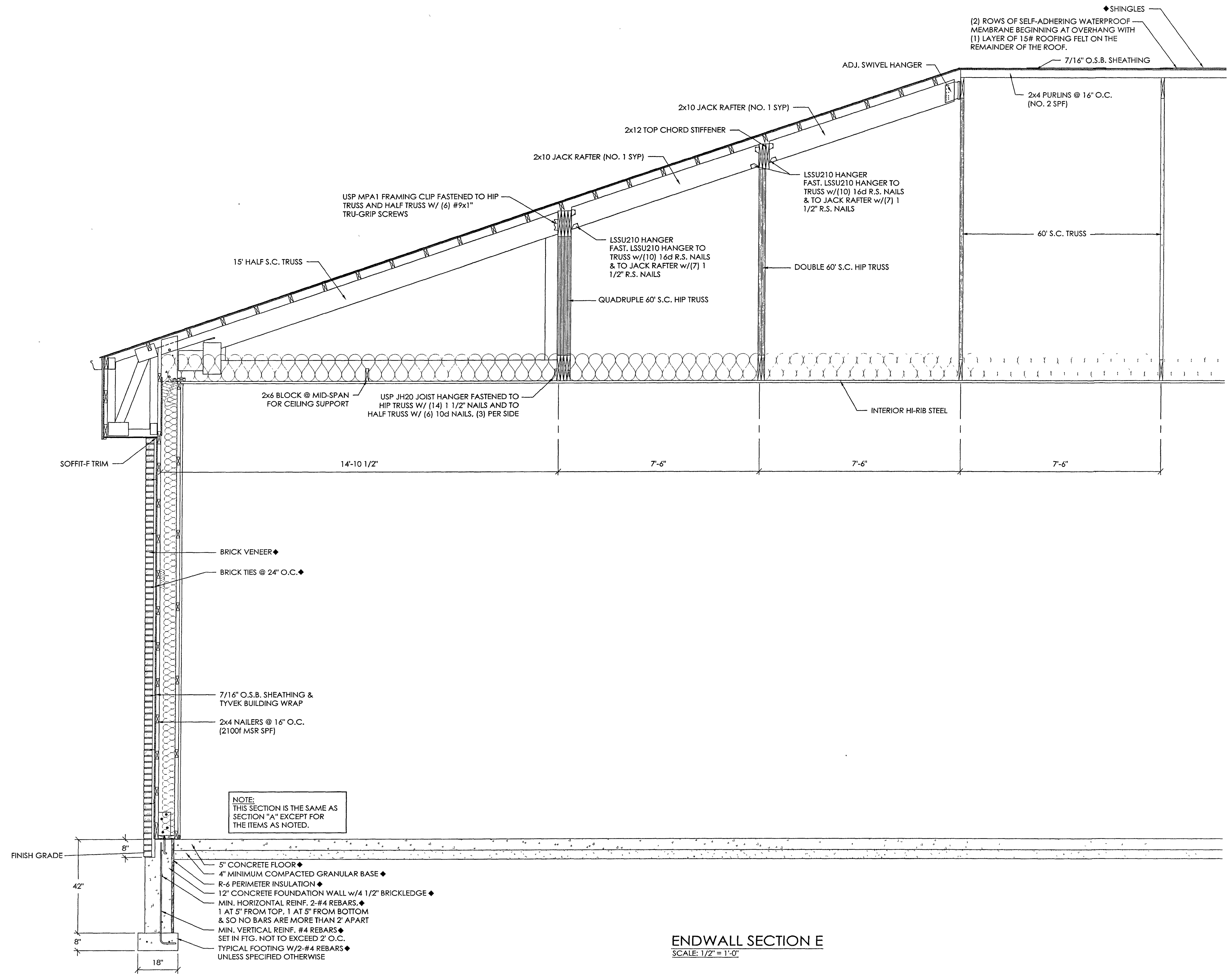
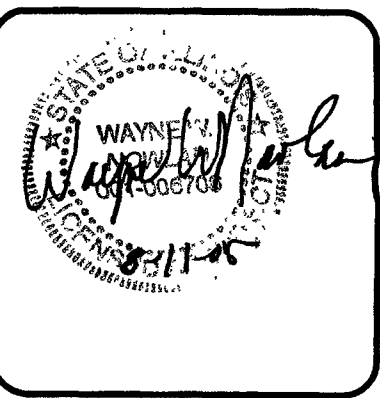
DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



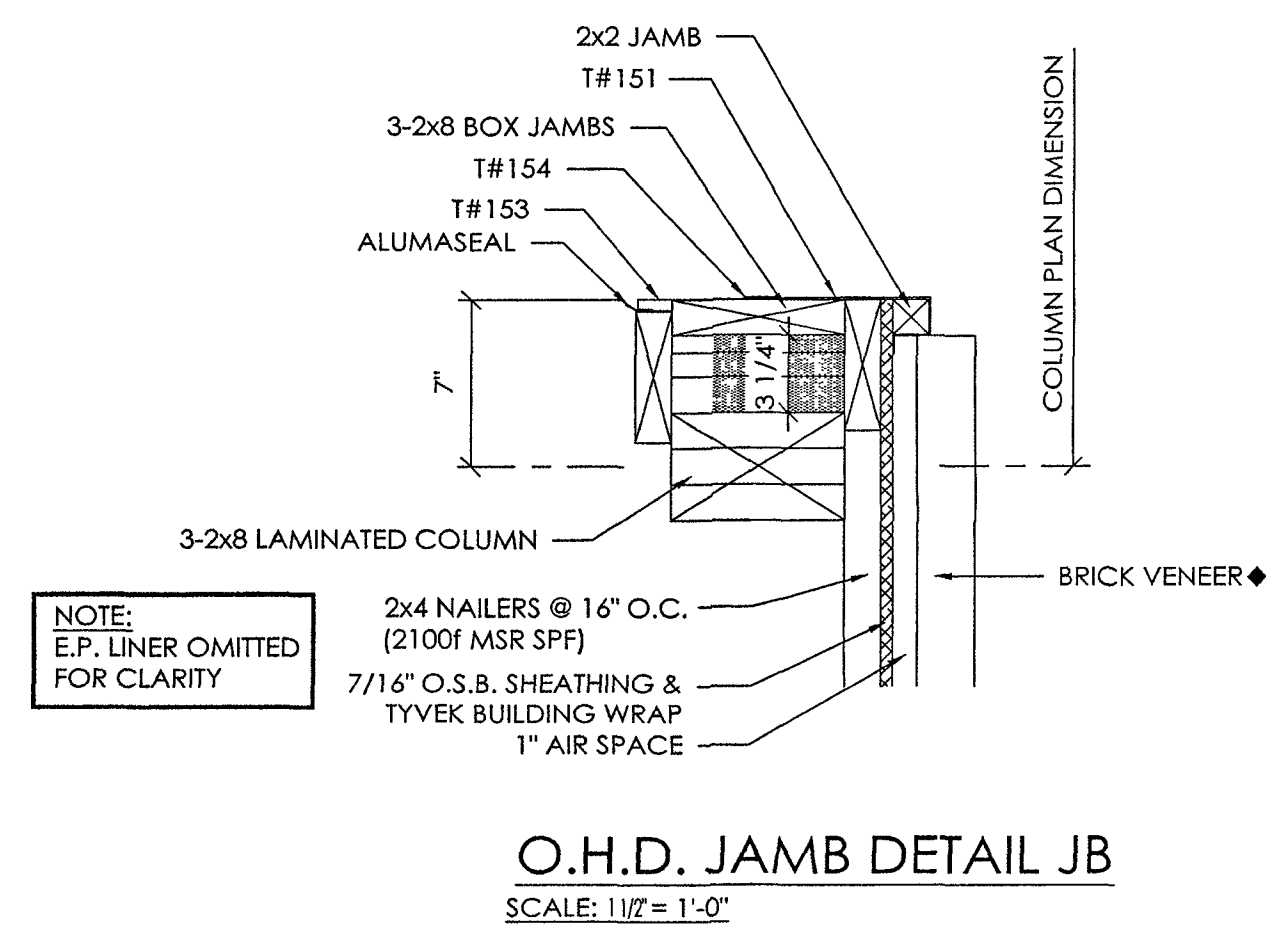
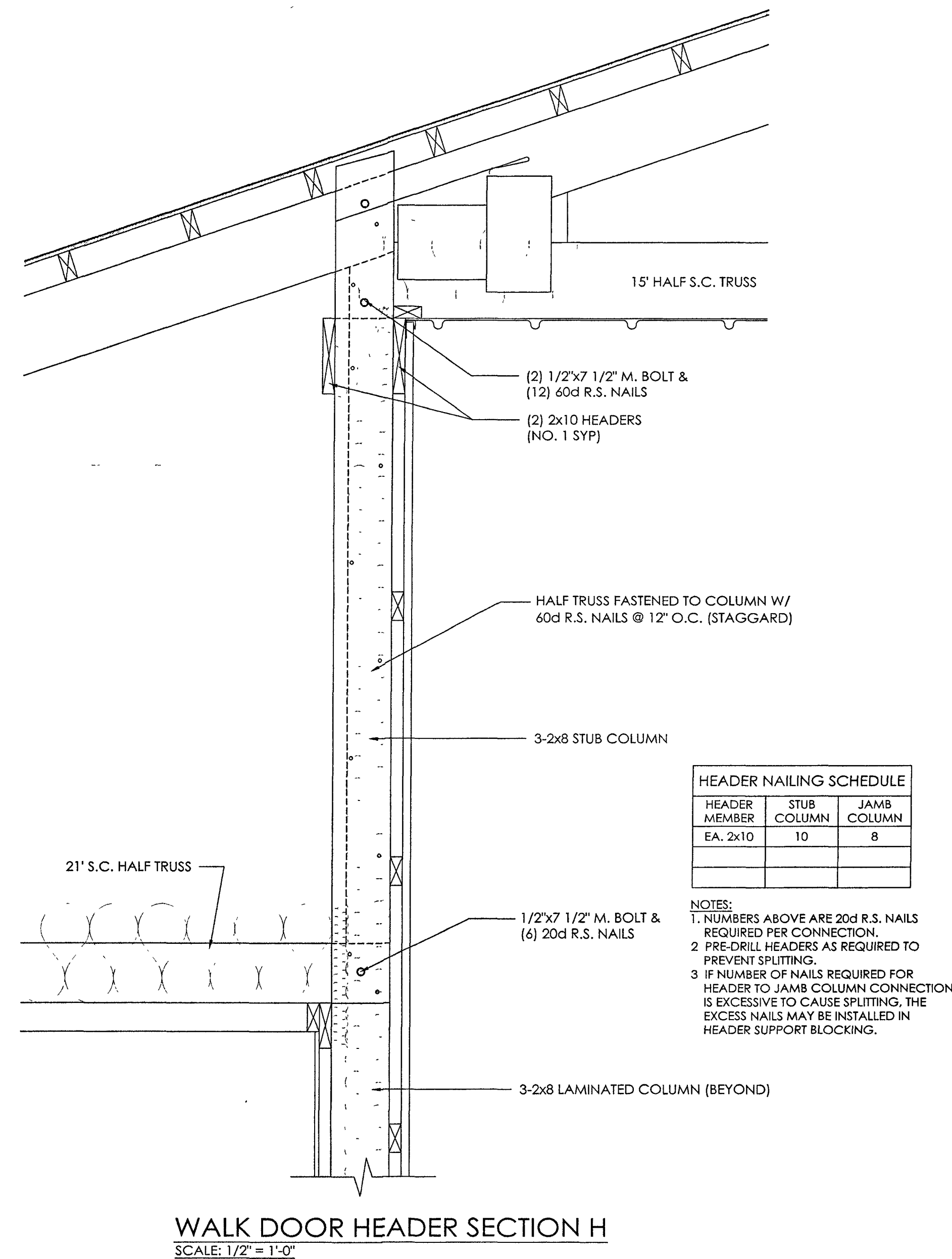
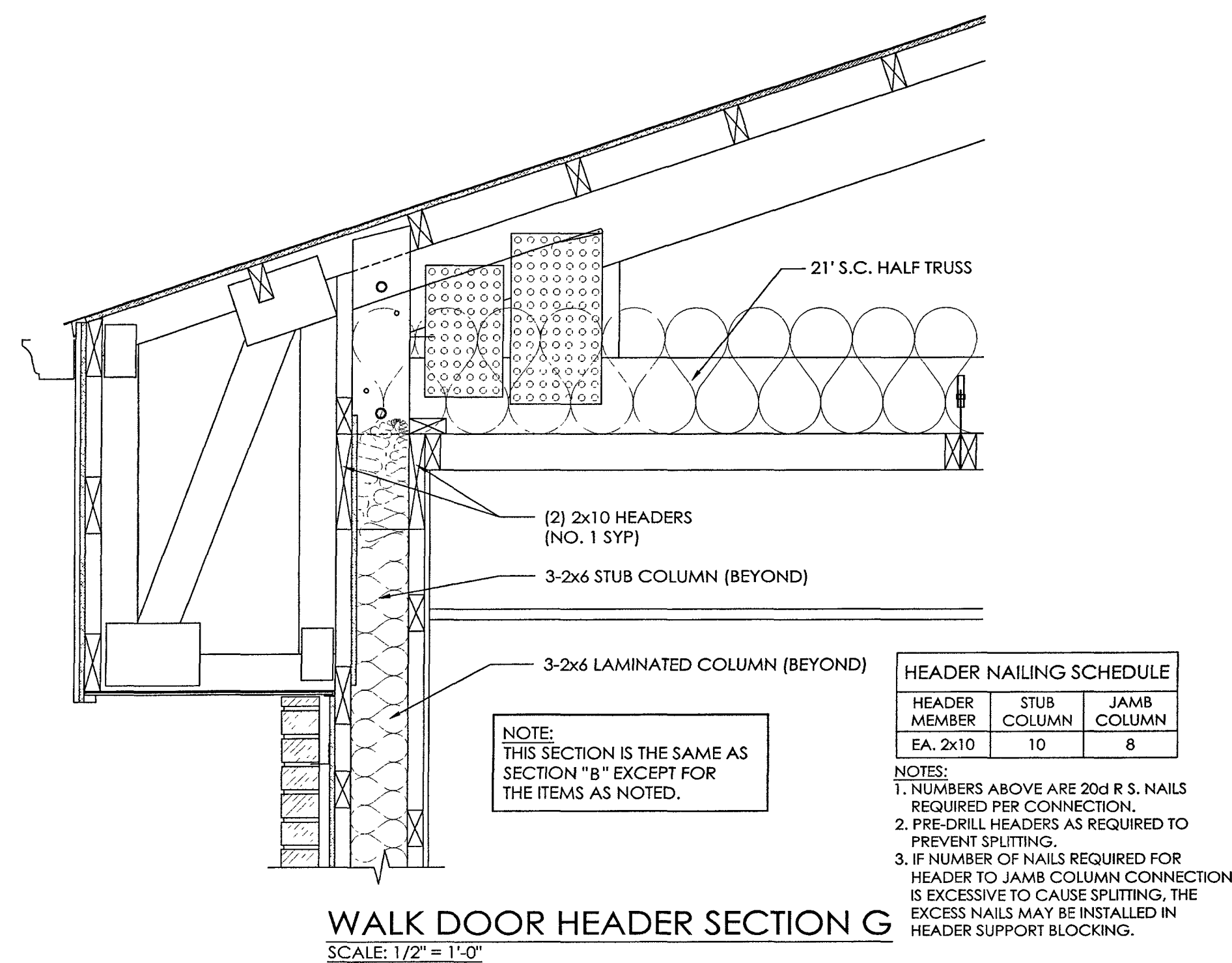
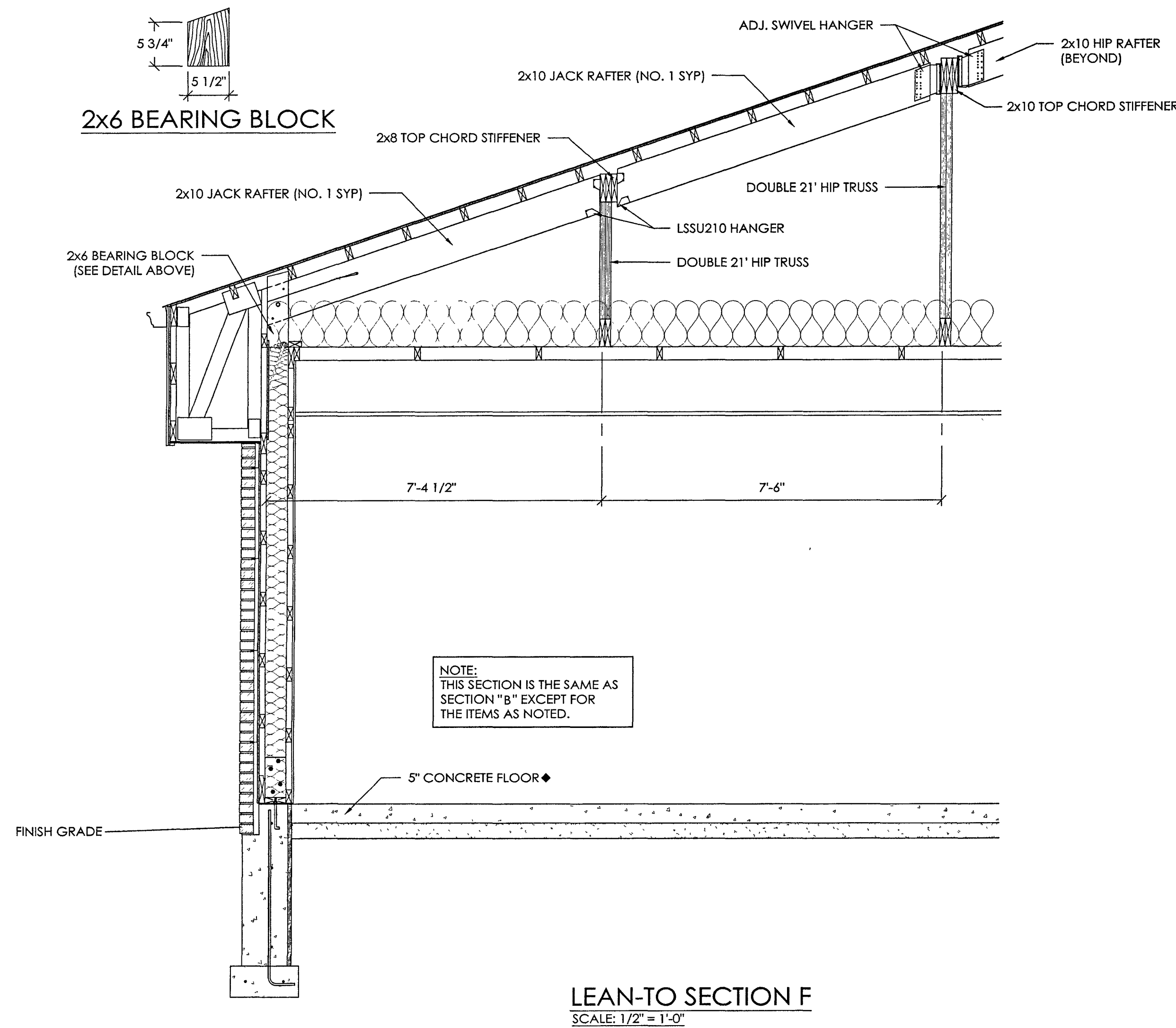
LINCOLN COLLEGE
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DONT.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



NOTE
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.



NOTE:
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

OFFICE: MORTON, IL
JOB NO. 021-1962

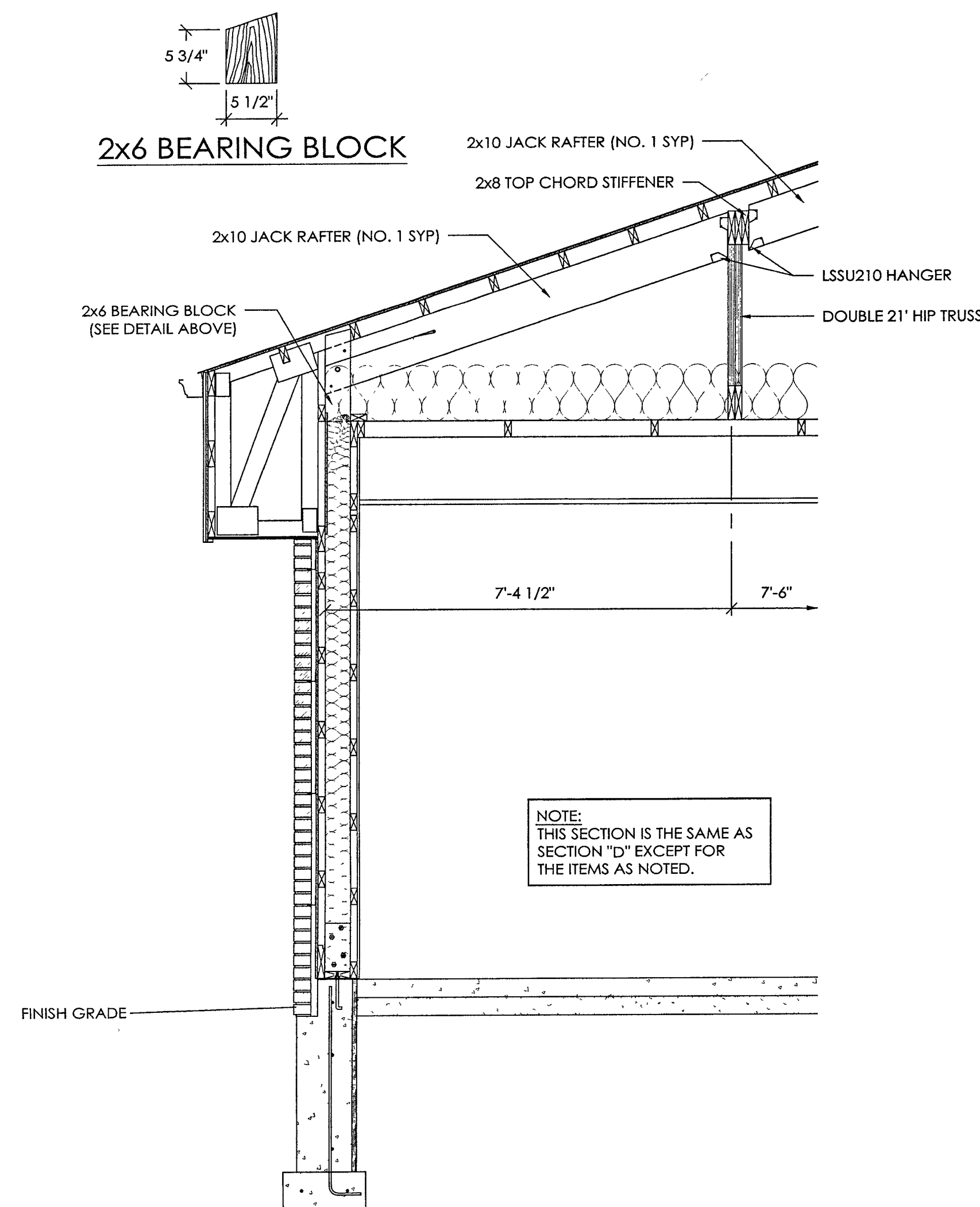
LINCOLN COLLEGE
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
PHONE NUMBER: 309-263-4105
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

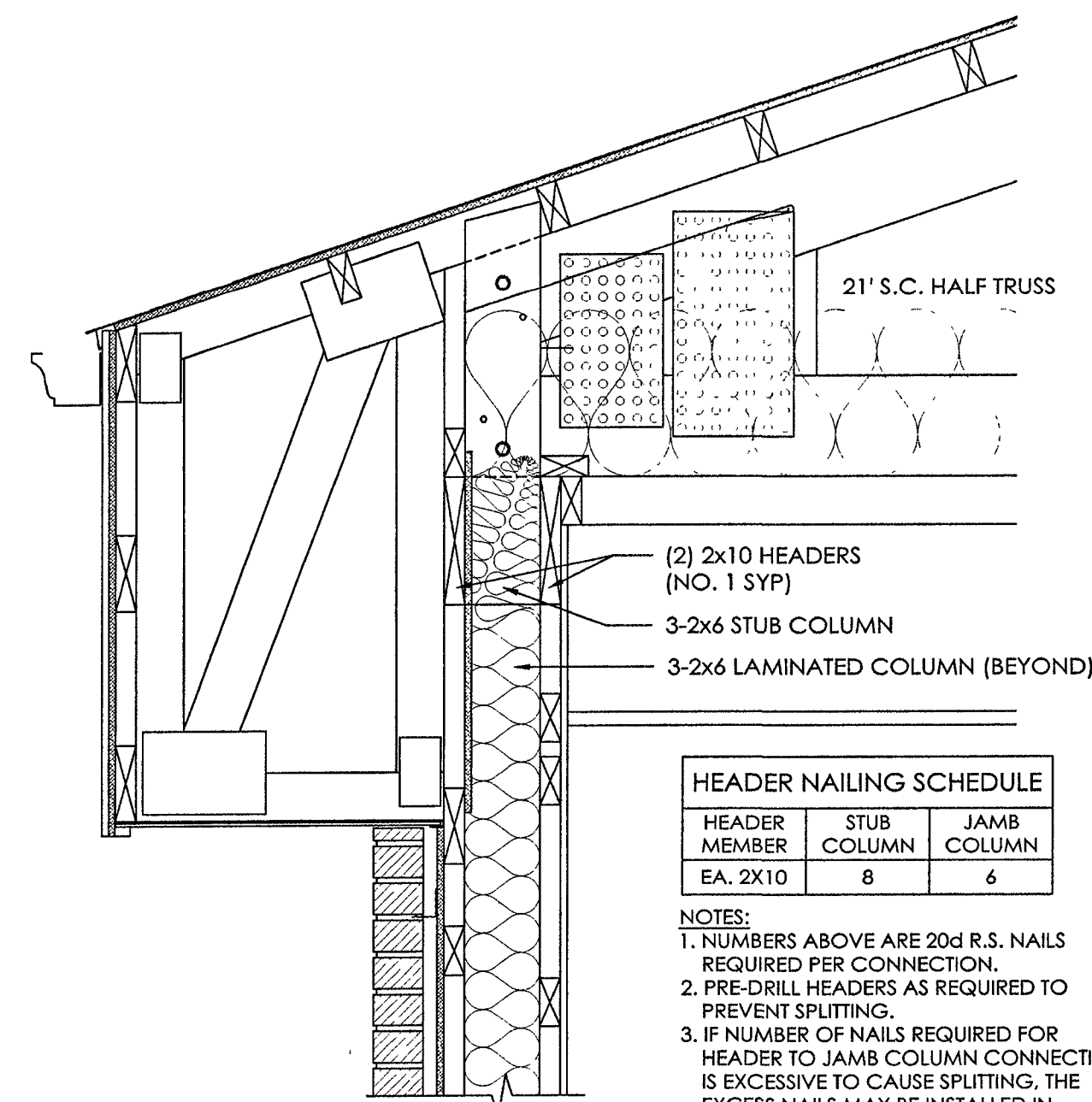
DRAWN BY: SVB28
DATE: 05.10.05
CHECKED BY: DON T.
DATE: 06.17.05
REVISED DATE:
REVISED DATE:
REVISED DATE:
REVISED DATE:

WAYNE W. HANCOCK
001-155709
REGISTERED PROFESSIONAL ARCHITECT

SCALE: AS NOTED
SHEET NO. S9 OF S11

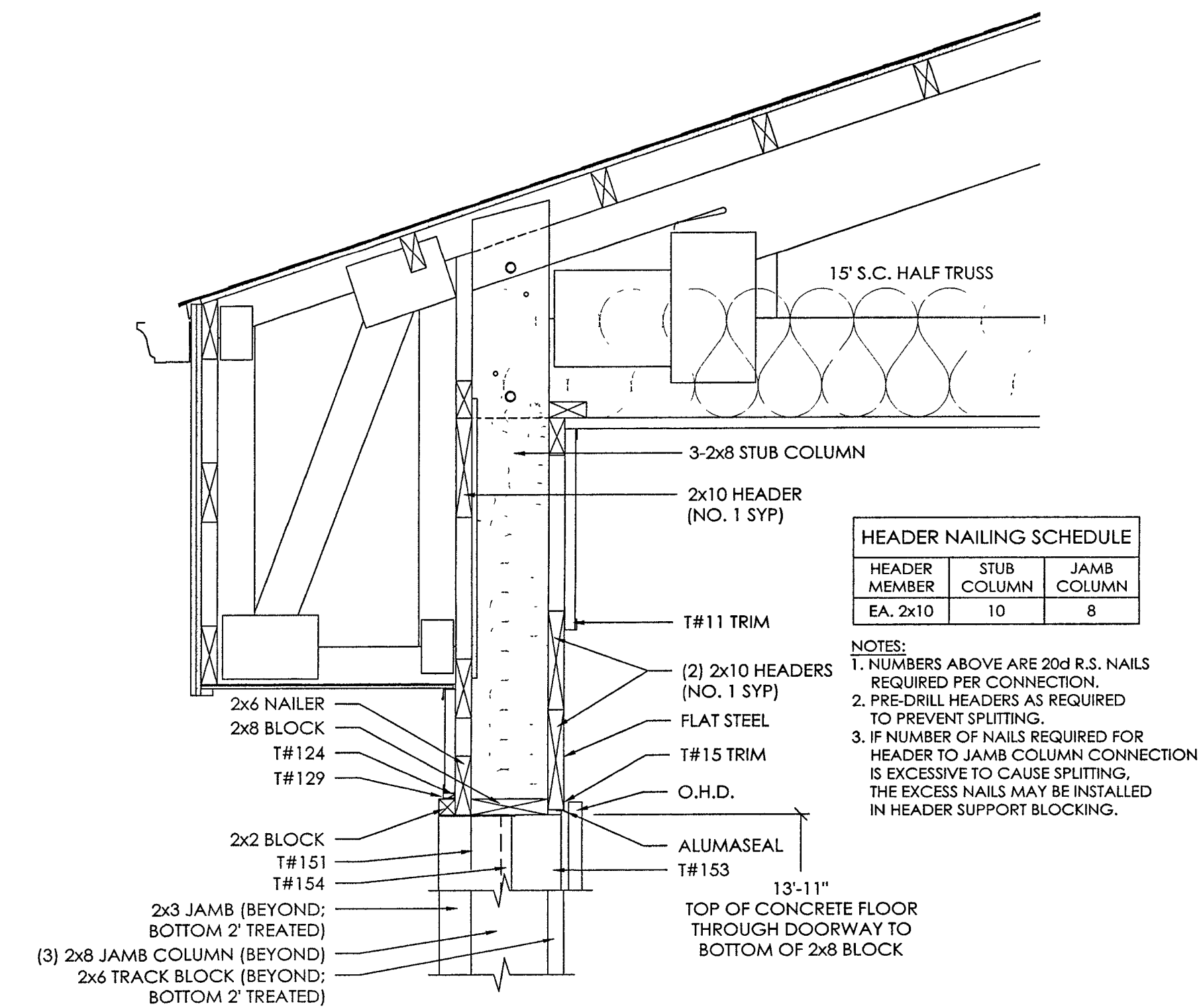


LEAN-TO SECTION I
SCALE: 1/2" = 1'-0"

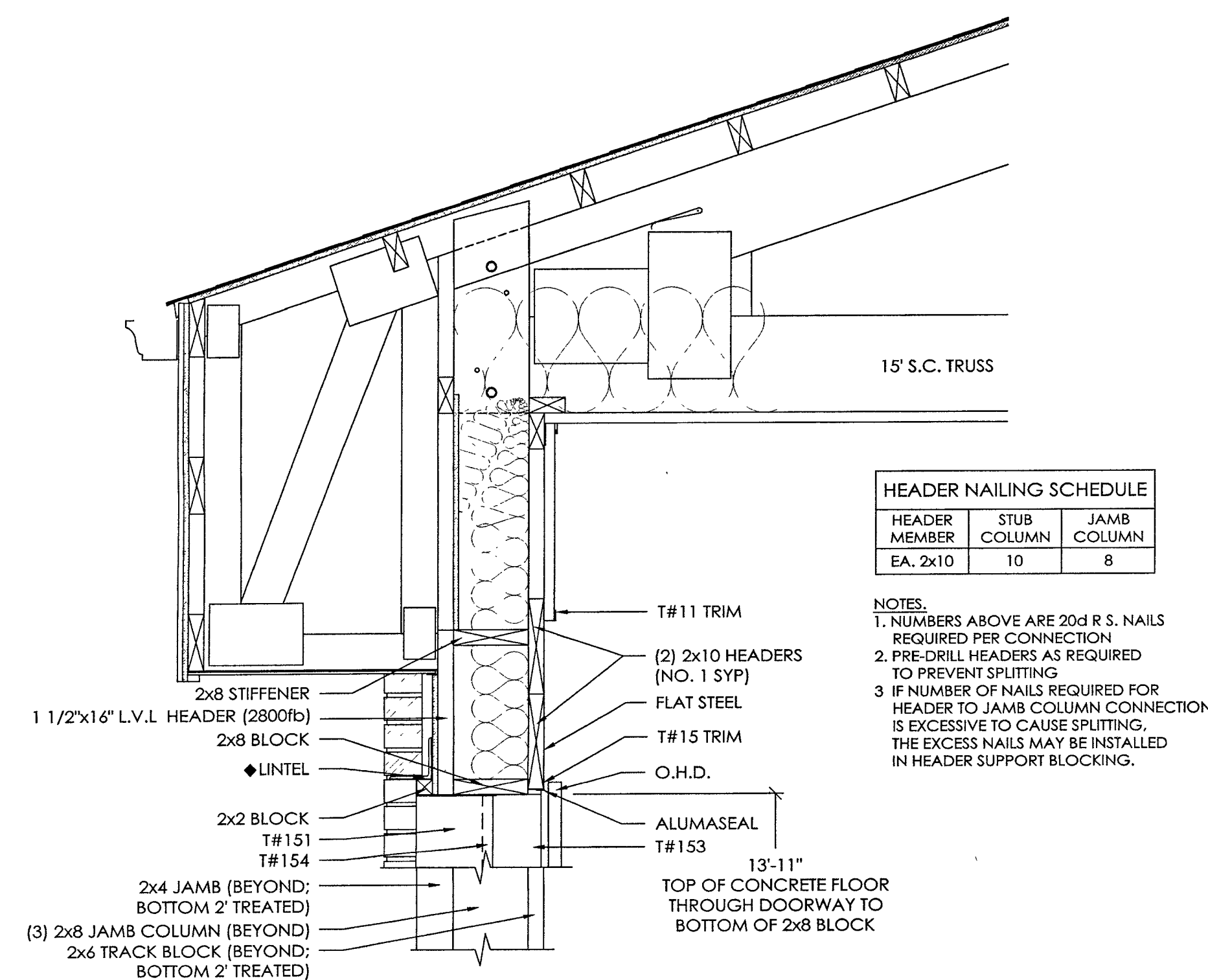


WINDOW HEADER SECTION - J

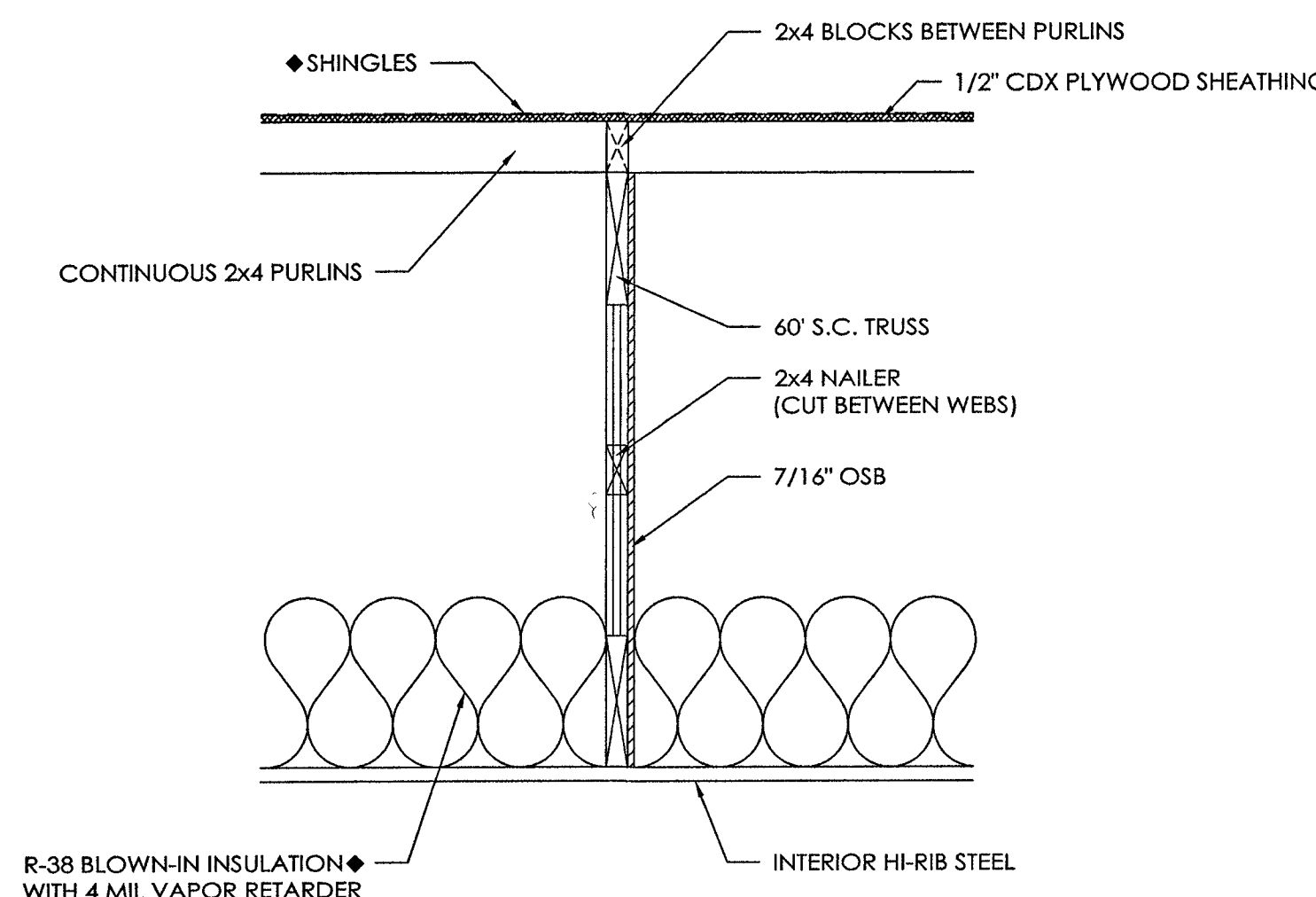
NOTE:
♦ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.



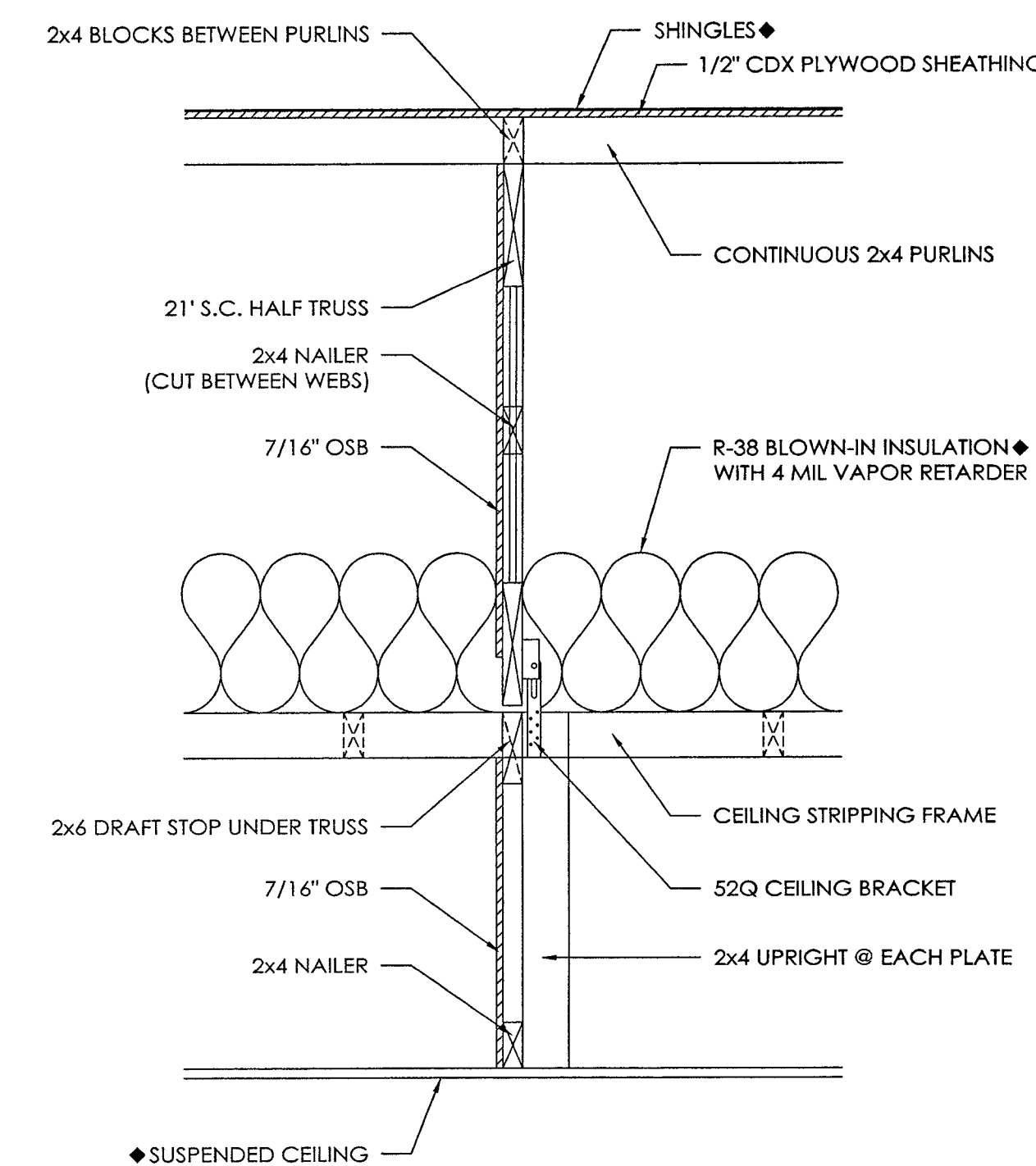
OHD HEADER SECTION K
SCALE: 1" = 1'-0"



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

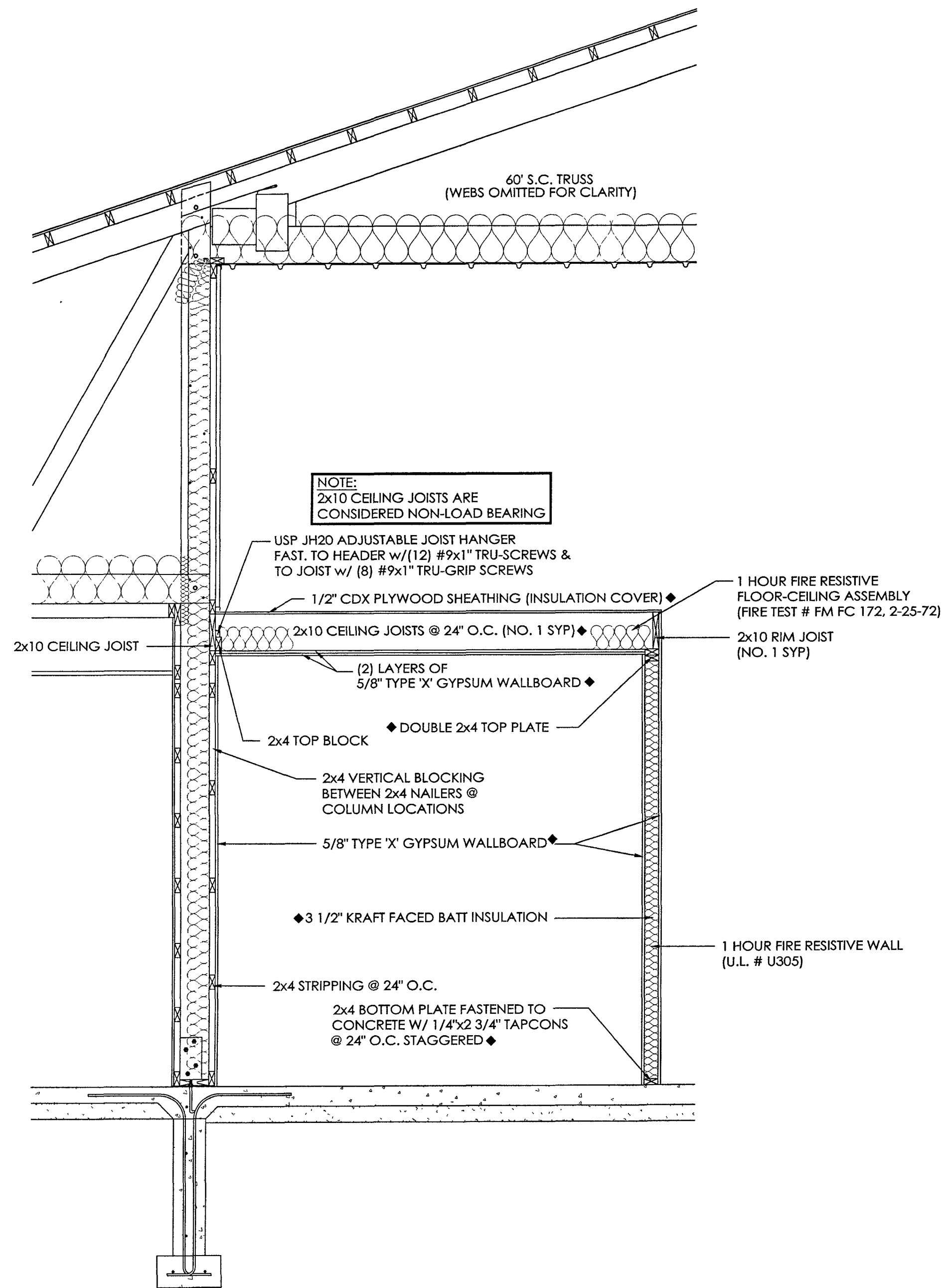
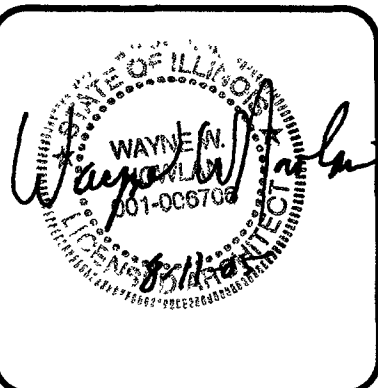


ATTIC DRAFT STOP SECTION M
SCALE: 1" = 1'-0"



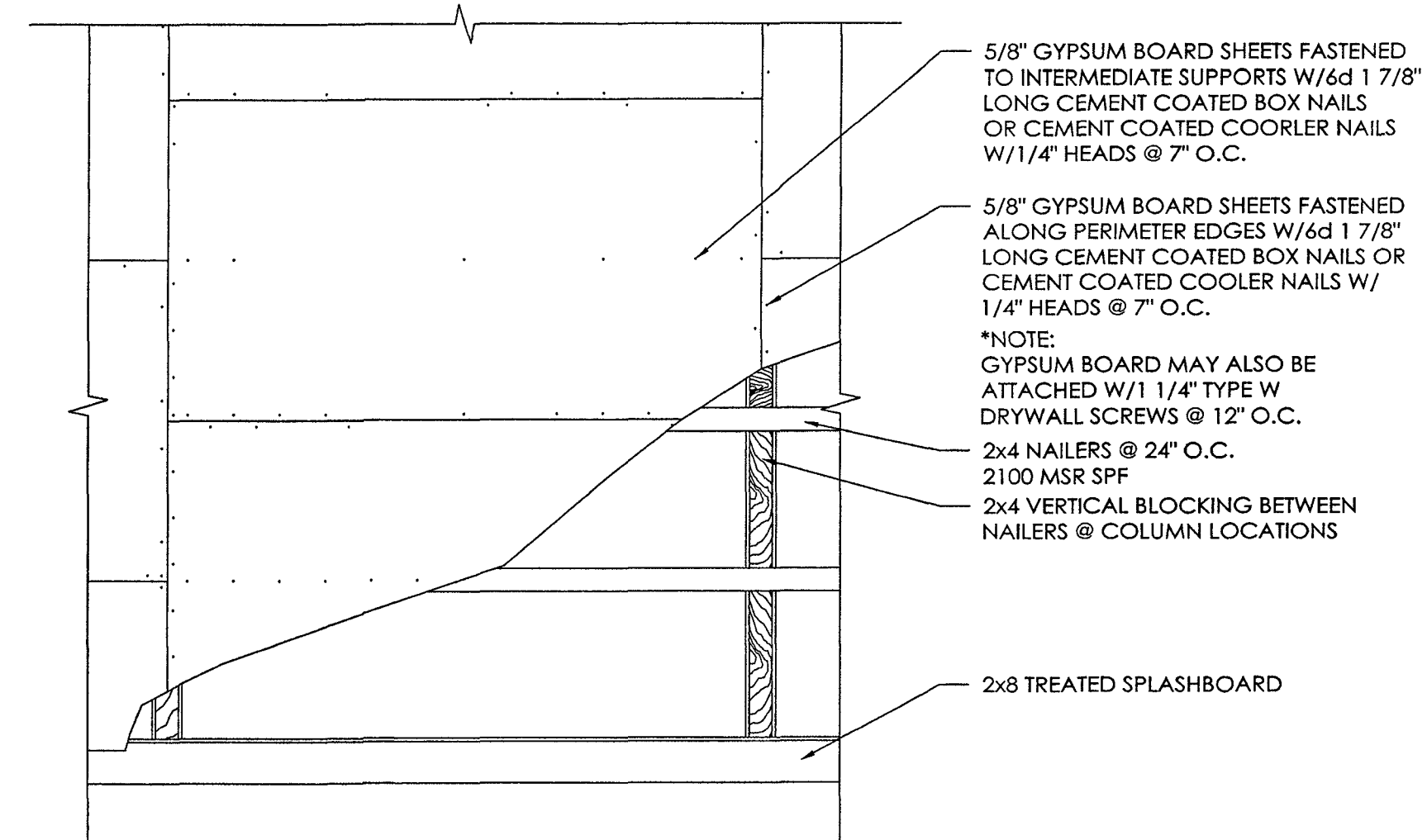
ATTIC DRAFT STOP SECTION N
SCALE: 1" = 1'-0"

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



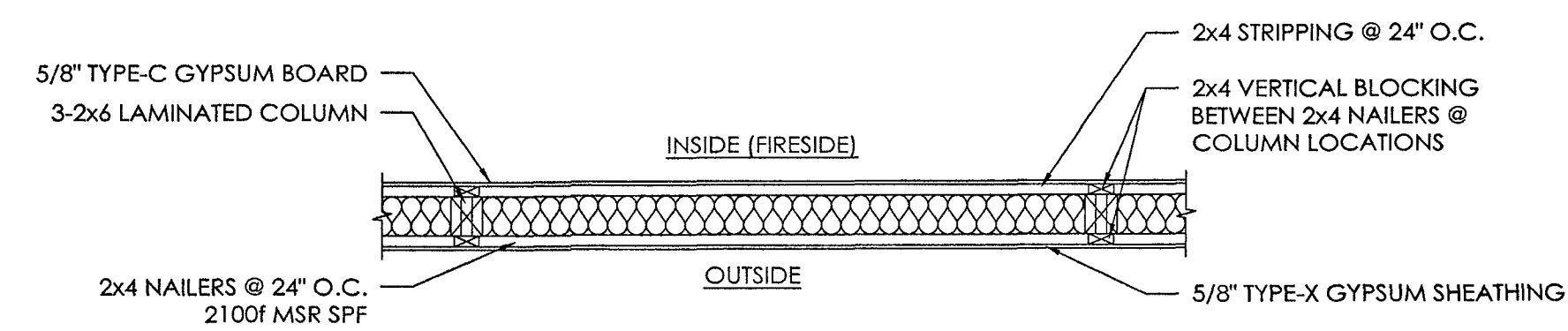
1 HOUR FIRE RESISTIVE MECHANICAL ROOM SECTION O
SCALE: 1/2" = 1'-0"

NOTE:
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.



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

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



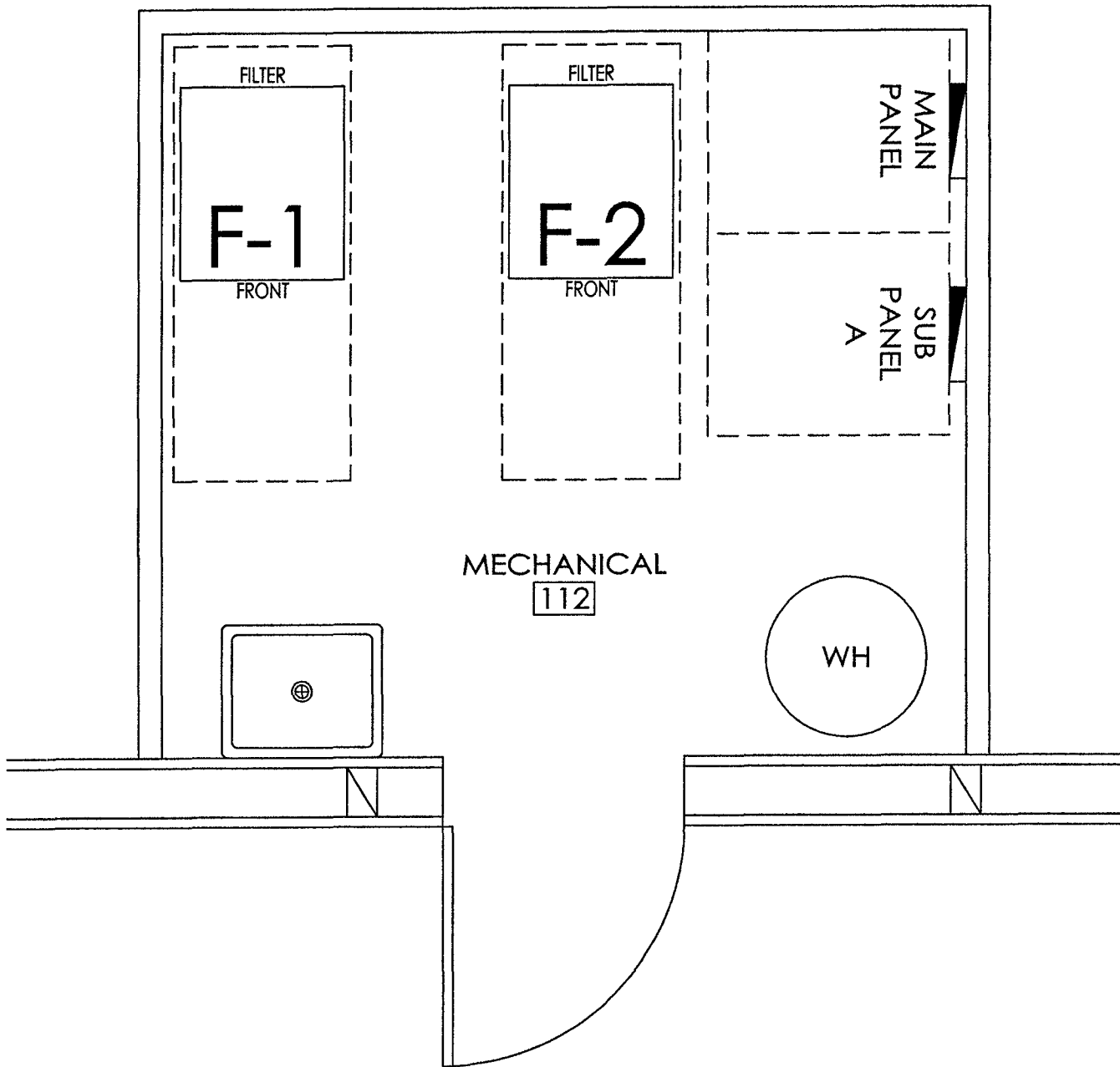
1 HOUR FIRE RESISTIVE WALL DETAIL
SCALE: 1/2" = 1'-0"

PLUMBING NOTES:

- 1.) All work and materials used shall be in accordance to Illinois Plumbing Code.
- 2.) All hot water piping shall be insulated. Outside supply shall be insulated with water resistant insulation to 5'-0" below finished grade.
- 3.) All trapped fixtures shall be properly vented.
- 4.) Provide a cleanout at each directional change of sanitary lines which is greater than a 45 degree angle. Provide a minimum of one cleanout per 50' of drainage line.
- 5.) A minimum slope of 1/4" per foot shall be provided for all sanitary sewer and waste lines that are less than 4" in diameter. Sanitary sewer and waste lines 4" in diameter or larger require a minimum slope of 1/8" per foot.
- 6.) Restroom exhaust fans to be vented directly to outside.
- 7.) Provide a minimum of one service sink for each commerical/industrial occupancy.
- 8.) Water closet bowls for public or employee use shall be of the elongated type. Water closet seats shall be the hinged open-front type.
- 9.) Water service pipes shall be sized to supply water in the required quantities and at the required pressures. Water service pipes shall be no smaller than 3/4" inch diameter.
- 10.) The minimum size of a single fixture supply pipe shall be 1/2".
- 11.) Shut off valves shall be provided for the supply line of each plumbing fixture, each wall hydrant and sillcock, and each appliance.
- 12.) A gate valve shall be installed in the line of the discharge side of each water meter.
- 13.) Where the developed length of hot water piping exceed 100 feet, supply circulation shall be provided.
- 14.) Protection for water hammer shall be provided by controlling the flow velocity.
- 15.) Storage water heaters shall be provide with a self-closing pressure relief valve and temperature relief valve. The valves shall be located in the tank as to be actuated by water in the top 6 inches.
- 16.) Water heater relief valves shall be piped full-size to an indirect waste receptor. The discharge from a relief valve shall not be trapped.
- 17.) Floor drain pipes are upsized to utilize a combination drain and vent system. The horizontal combination drain and vent pipe shall have a maximum slope of 1/2" per foot (4%).
- 18.) The underground water service pipe and the building drain or building sewer shall not be less than 5' apart horizontally and shall be separated by undisturbed or compacted earth.

HVAC NOTES:

- 1.) Any equipment of material deviations from that specified or detailed on this drawing shall be subject to the approval of the issuing authority. All proposed equipment deviations submitted shall be similar both in quality and capacity to that equipment specified.
- 2.) Al work done shall be in accordance with the International Mechanical Code/or other applicable codes and/or ordinances.
- 3.) The HVAC contractor shall be responsible for all electrical conduit, wire and necessary connections relating to mechanical equipment controls as well as wiring associated with starter holding coils unless indicated otherwise on the drawings. The mechanical contractor shall furnish all required information relative to motor sizes and electrical characteristics to the electrical contractor and shall coordinate all work relative to the wiring of the mechanical system.
- 4.) Turning vanes or smooth turn radius ductwork shall be used at all elbows where air flow is greater than 500 CFM.
- 5.) Ducts shall be galvanized steel. Round ducts through 14" & enclosed rectangular ducts through 14" shall be 30 ga. min. Round ducts and enclosed rectangular ducts over 14" shall be 28 ga. min., per 2003 International Mechanical Code Table 603.3. Insulated fiber duct board (R-6 min.) may be substituted for galvanized steel ducts; however, the price reduction for this deduction must be clearly noted. All duct dimensions are net inside dimensions. Dimensions may be changed as long as net free area is not diminished.
- 6.) Install ducts in the conditioned space whenever practical. Run supply and branch ducts at different elevations to avoid crossover interference whenever possible. At crossover locations, the cross over duct may extend into the attic where there is insufficient height in the conditioned space. The HVAC contractor is responsible to properly seal the ceiling vapor retarder at attic penetrations.
- 7.) Ducts that are designed for installation in the unconditioned attic have been located to either run between adjacent trusses or between truss web members. Under no circumstances shall the truss chords or truss webs be cut or otherwise modified to allow installation of ductwork.
- 8.) Insulate ducts installed in the conditioned space to prevent condensation. Ducts installed in the unconditioned attic space shall be insulated with nonabsorbent insulation having a minimum R-value of 6 and protected by an approved vapor retarder.
- 9.) Provide duct dampers at all supply and return branches near trunk duct as shown.
- 10.) Provide outside air direct to return air duct for furnaces as noted and regulate with a motorized damper connected to a 7-day programmable control.
- 11.) Set furnace fans to run continuously when building is occupied. Control furnace, air conditioning and continuous fan operation with a 7-day programmable control.
- 12.) Provide furnace with outside combustion air as specified by the manufacturer or code.
- 13.) Balance HVAC air system to insure that the supply, return and fresh air volumes are as specified. Provide balancing report to the owner and Morton Buildings, Inc. to verify the design air flow requirements have been met. Balancing of HVAC air system shall be prior to substantial completion and final payment to HVAC contractor.
- 14.) Use of flexible duct shall be limited to only when necessary and shall not exceed 6 ft. in length and installed free from sags and kinks.
- 15.) Proprietary diffusers and grills shall be provided by the HVAC contractor that will provide an acceptable level of room distribution and performance.



ELECTRICAL NOTES:

- 1.) Any material deviations from that specified or detailed shall be subject to approval. All proposed equipment deviations submitted shall be similar to both in quality and in capacity to that equipment specified.
- 2.) All work done shall be in accordance with all National, State and Local code and ordinances. All work shall be performed in accordance with the latest edition of the National Electric Code.
- 3.) Conductor shall be copper, 600 volt insulation, thw, thhw, thwn, xhhw or thhn. Conductor through #10 shall be solid; #8 and larger stranded. Minimum conductor size #12.
- 4.) Wall switched shall be 120/277 volt, quiet, slow make, slow break design, toggle handle, totally enclosed case, rated 20 amps, specification grade.
- 5.) Receptacles shall be standard duplex: Full gauge size, polarized, parallel blade, u-grounding slot, specification grade rated 20 amps, 125 volts, NEMA line 5, designed for split feed service.
- 6.) Outlet/Switch covers shall be nylon, smooth, high abuse color to match device.
- 7.) Exit signs shall be illuminated at all times. The branch circuit feeding the unit equipment for emergency means of egress lighting may be on the same branch as that serving normal lighting, but must be wired ahead of any switches or other disconnecting devices. Exit signs and emergency means of egress lighting shall be connected to battery back up system capable of maintaining power for 1-1/2 hours.
- 8) Wiring in nonconcealed areas shall be in EMT conduit. Wiring in concealed areas may be in conduit, may be nonmetallic - sheathed cable (Types NM & NMC) or may be armored cable (Type AC) subject to the permitted uses and limitation of the N.E.C. Conduit placed in an unconditioned space shall be insulated to prevent condensation to occur at locations of transfer into conditioned space.
- 9.) All equipment shall be properly grounded.
- 10.) Provide separate disconnect on outside of building for A/C units.
- 11.) The service grounding electrode system shall be in accordance with section 250.50 N.E.C. 2002 and shall include the metal underground water pipe supplemented by a rod or pipe electrode installed at least 6 feet from the water pipe and so that at least 8 feet is in contact with the soil; section 250.52(A)(5) N.E.C. 2002.
- 12.) When a metal underground water pipe is not available, made electrodes shall be embedded below permanent moisture level. Made electrodes shall be free from non-conductive coatings such as paint or enamel. Where more than one electrode is used, each electrode of one grounding system (including that used for lightning rods) shall not be less than 6 feet from any other electrode of another grounding system. Two or more grounding electrode that are effectively bonded together shall be considered a single grounding electrode system, section 250.52 N.E.C. 2002.
- 13.) The panels, main circuit breaker, branch circuit breaker and other equipment and devices shall have a minimum interrupting rating of the respective rating shown.
- 14.) The termination provision for the service panel shall be listed and marked for 75°C temperature rated conductors.
- 15.) The estimated short circuit fault current considers a 100 KVA 120/240, 1Ø, transformer 200' from the main panel.

OFFICE:	MORTON, IL
JOB NO.	021-1962

LINCOLN COLLEGE

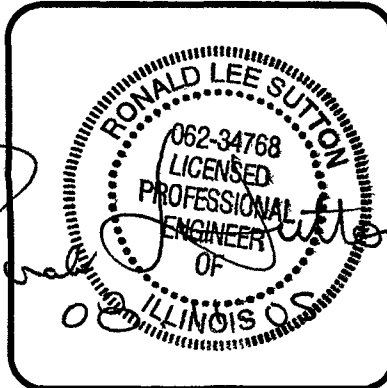
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.

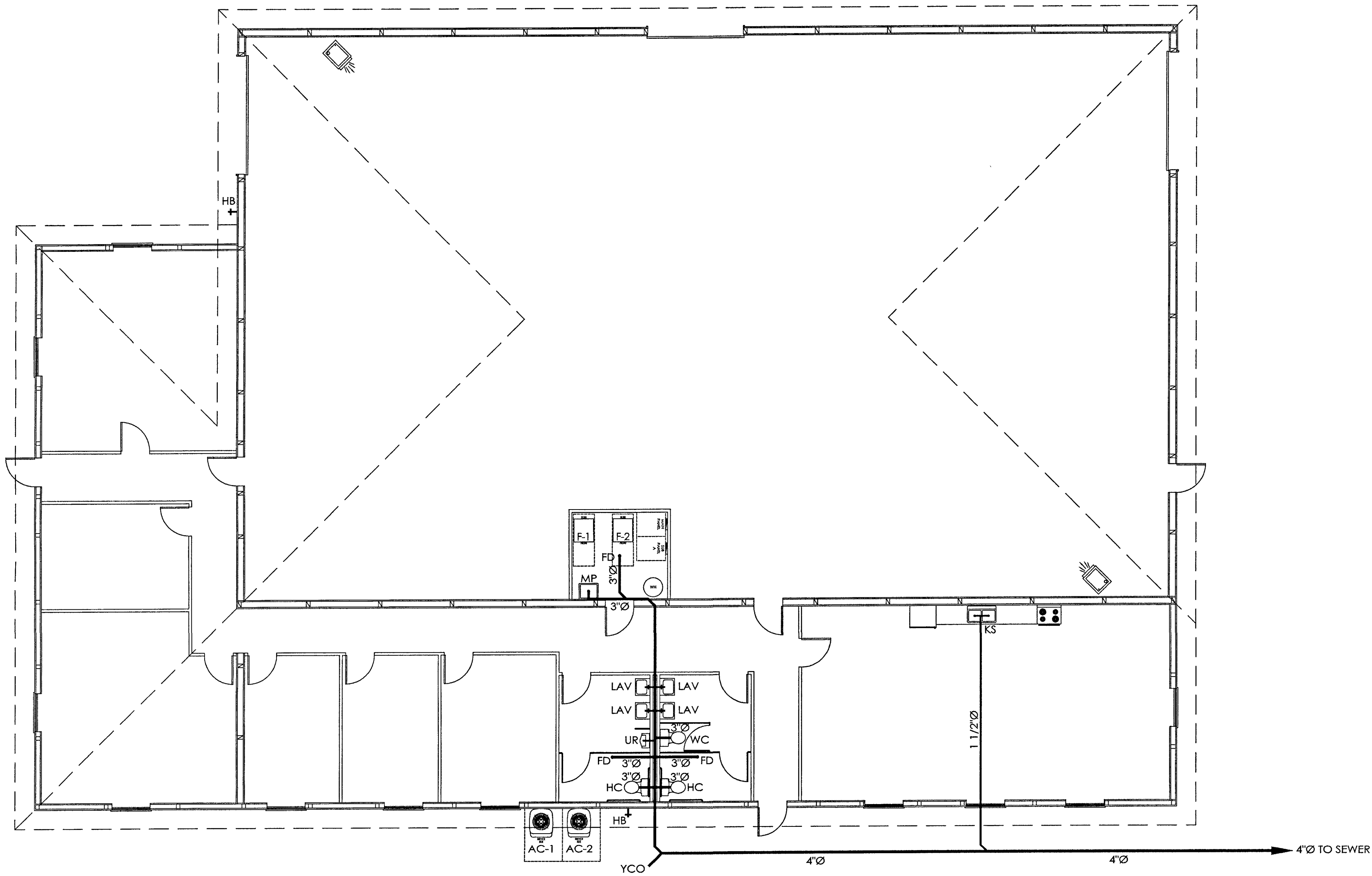
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

PHONE NUMBER: 309-263-4105

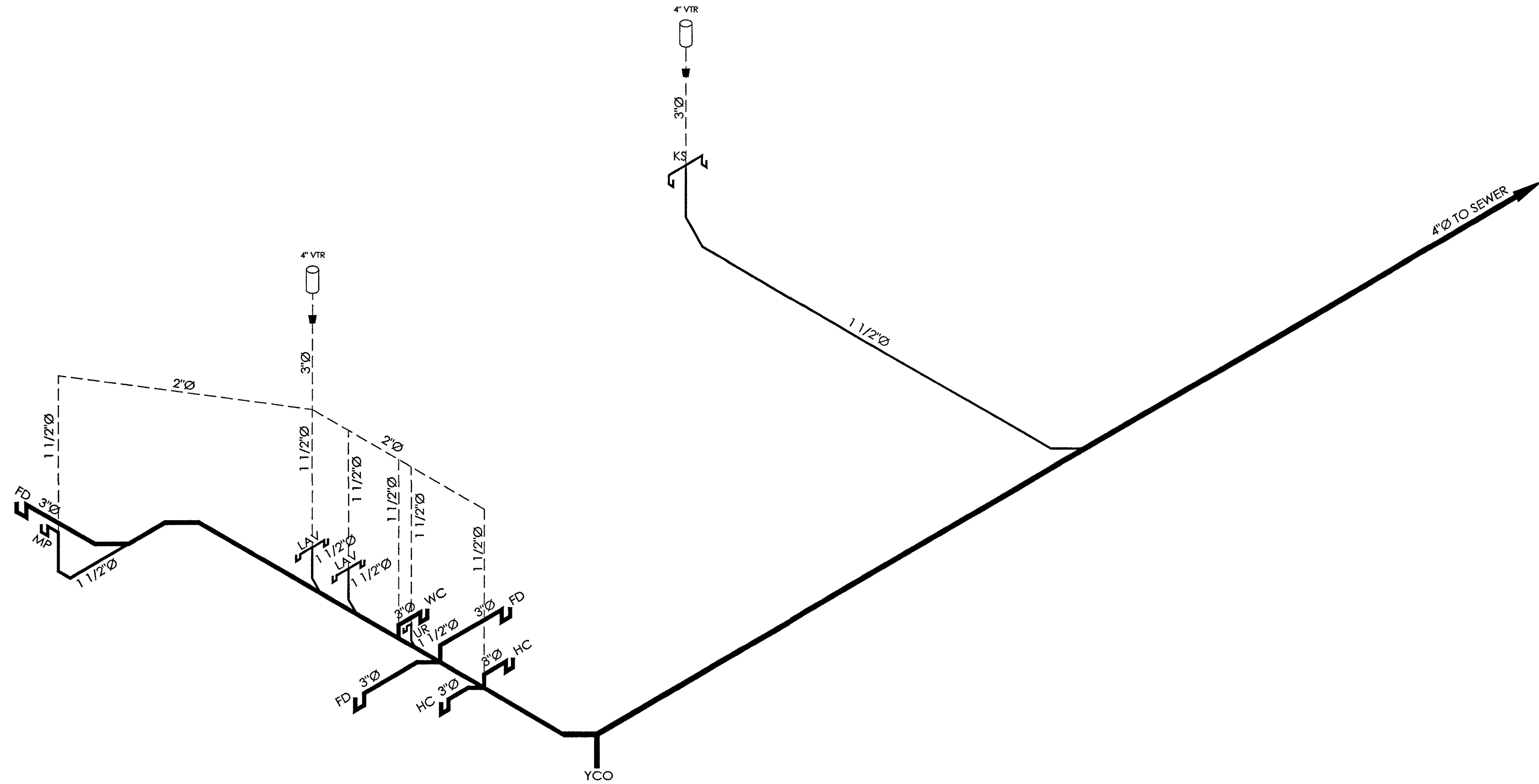
DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



SCALE: AS NOTED
SHEET NO.
M1 OF M1



PLUMBING WASTE LAYOUT

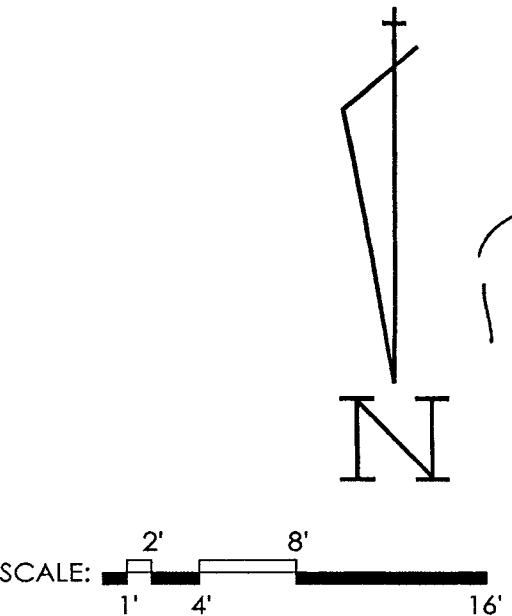


PLUMBING WASTE SCHEMATIC

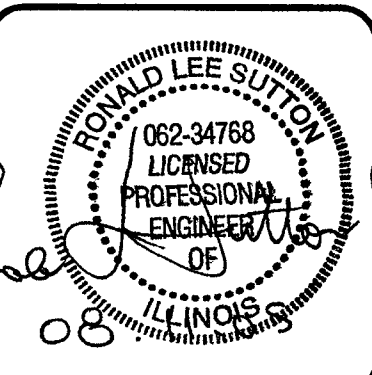
PLUMBING WASTE PIPE SCHEDULE	
SYMBOL	PIPE NAME
---	SANITARY WASTE PIPE
---	VENT PIPE

PLUMBING FIXTURE SCHEDULE:

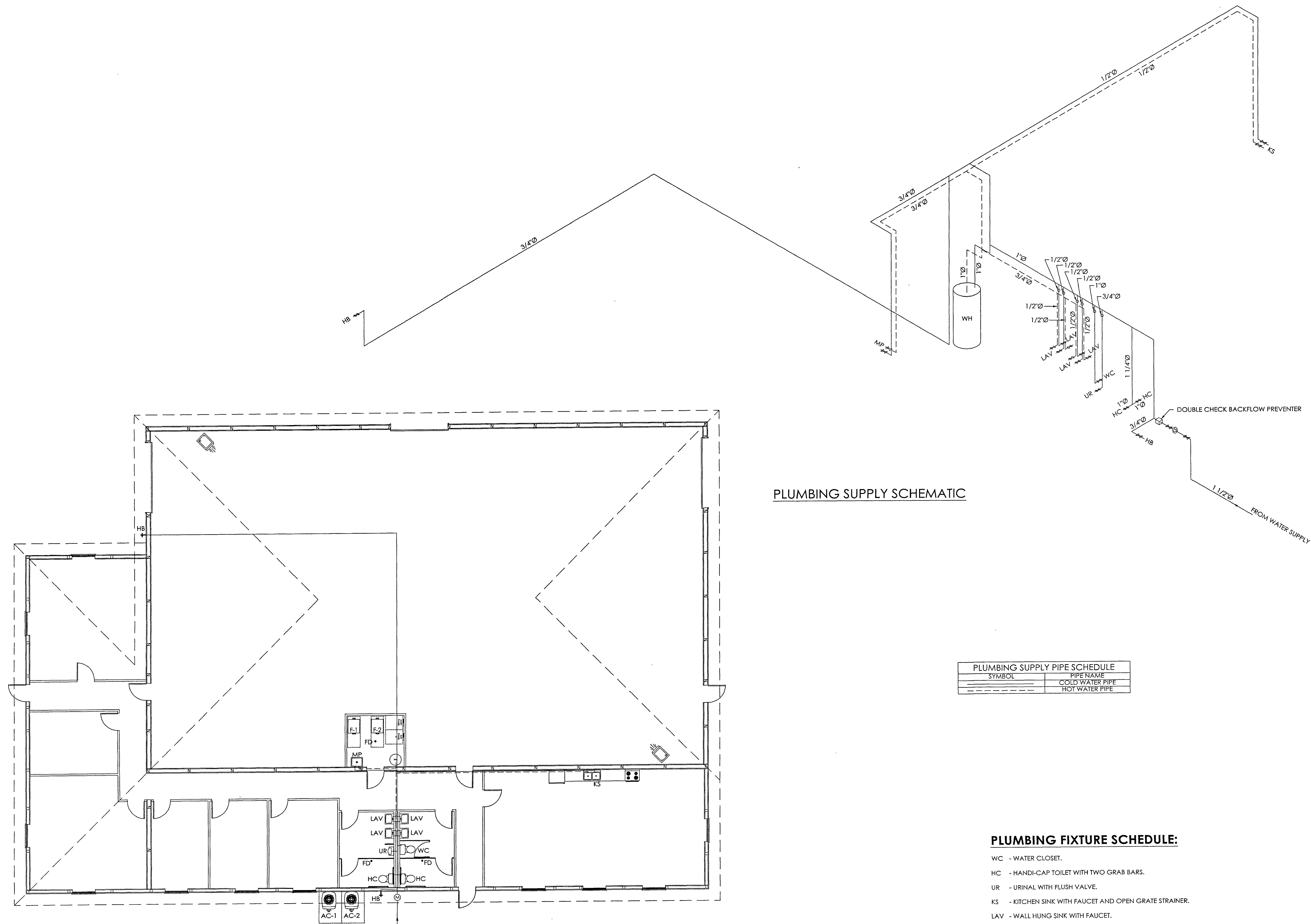
- WC - WATER CLOSET.
- HC - HANDI-CAP TOILET WITH TWO GRAB BARS.
- UR - URINAL WITH FLUSH VALVE.
- KS - KITCHEN SINK WITH FAUCET AND OPEN GRATE STRAINER.
- LAV - WALL HUNG SINK WITH FAUCET.
- FD - FLOOR DRAIN.
- YCO - YARD CLEAN OUT.
- MP - UTILITY MOP SINK.
- HB - FROST FREE HOSE BIB.



DRAWN BY:	SVB28
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

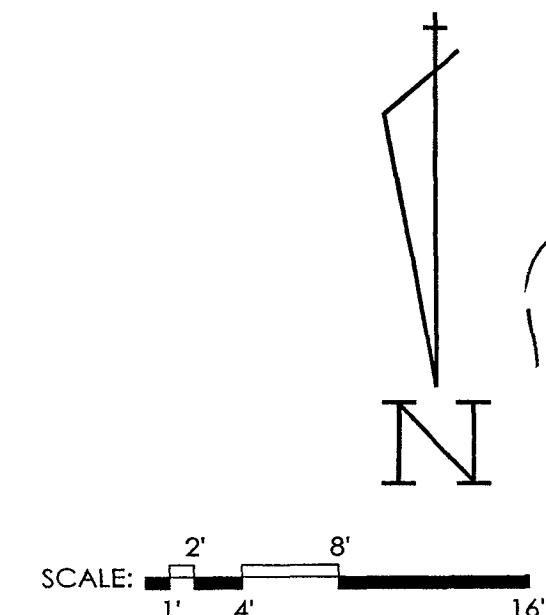


PLUMBING SUPPLY SCHEMATIC

PLUMBING SUPPLY PIPE SCHEDULE	
SYMBOL	PIPE NAME
---	COLD WATER PIPE
---	HOT WATER PIPE

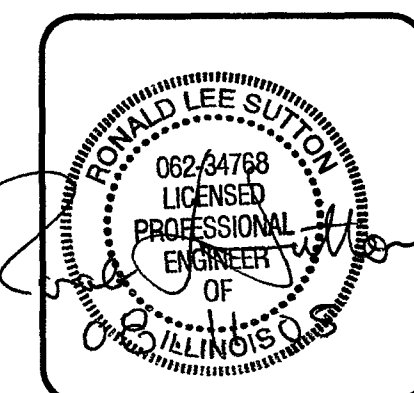
PLUMBING FIXTURE SCHEDULE:

- WC - WATER CLOSET.
- HC - HANDI-CAP TOILET WITH TWO GRAB BARS.
- UR - URINAL WITH FLUSH VALVE.
- KS - KITCHEN SINK WITH FAUCET AND OPEN GRATE STRAINER.
- LAV - WALL HUNG SINK WITH FAUCET.
- FD - FLOOR DRAIN
- YCO - YARD CLEAN OUT.
- MP - UTILITY MOP SINK.
- HB - FROST FREE HOSE BIB.



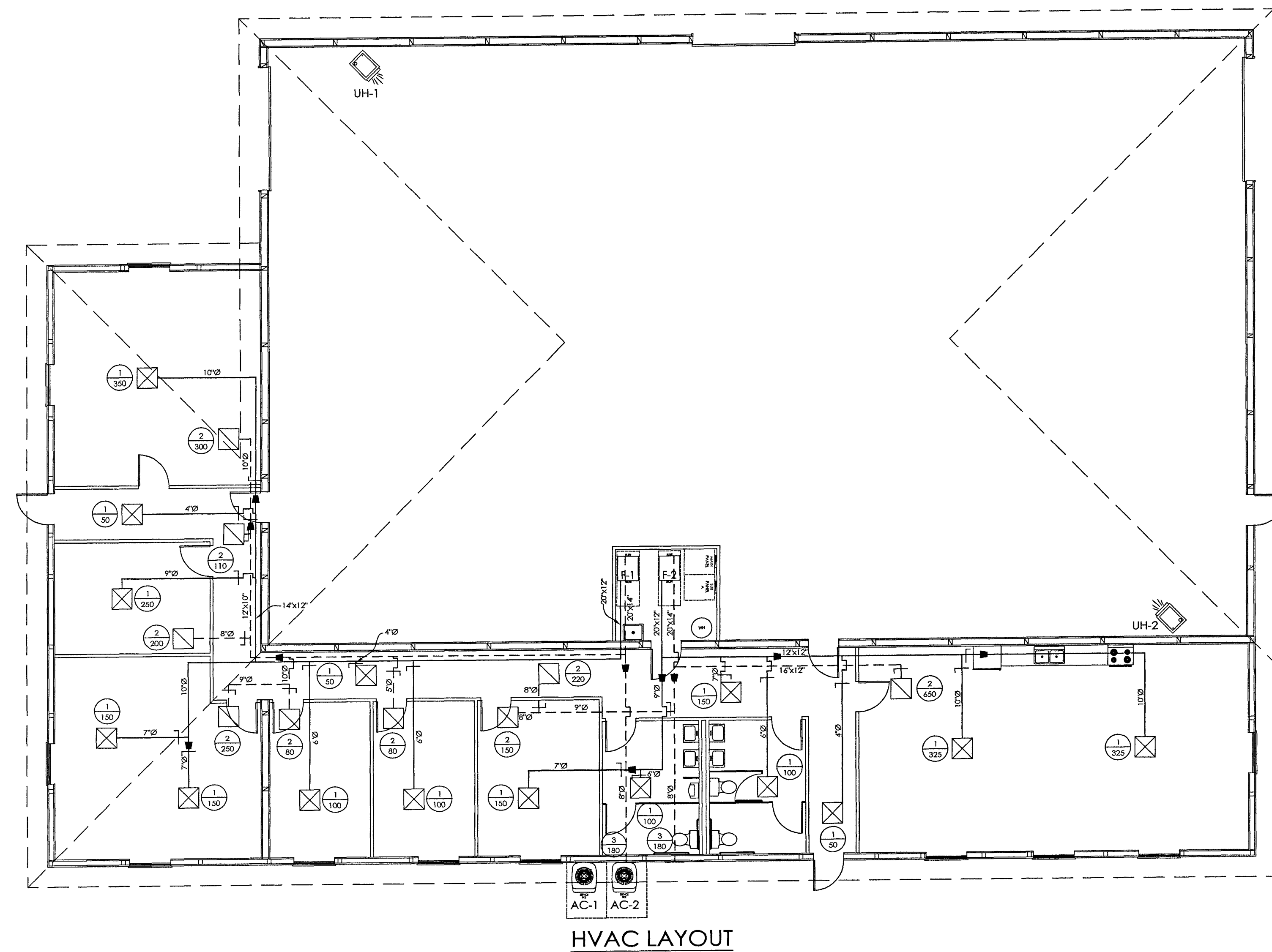
PLUMBING SUPPLY LAYOUT

DRAWN BY:	SV828
DATE:	05.10.05
CHECKED BY:	DON T.
DATE:	06.17.05
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	



FURNACE: F-1 & F-2	
MFG:	CARRIER
MODEL:	58MXA-050-FT60-12
TYPE:	UPFLOW
CAPACITY:	INPUT: 60,000 BTUH
	OUTPUT: 56,000 BTUH
AFUE%:	93.1
FUEL:	NATURAL GAS
BLOWER:	1/3 HP
	1,200 CFM @ 0.5 IN WC
CONDENSING UNIT: AC-1 & AC-2	
MFG:	CARRIER
MODEL:	38TKB-034-301
CAPACITY @ 95°:	TOTAL: 33,400 BTUH
	SENSIBLE: 25,000 BTUH
	LATENT: 8,400 BTUH
SEER:	10.00
ELECTICAL DATA:	208/230 VOLTS
	1 Ø
	MCA = 19.9 AMPS
	BRKR = 30 AMPS
EVAPORATOR COIL:	
MFG:	CARRIER
MODEL:	CC5A/CD5AA036

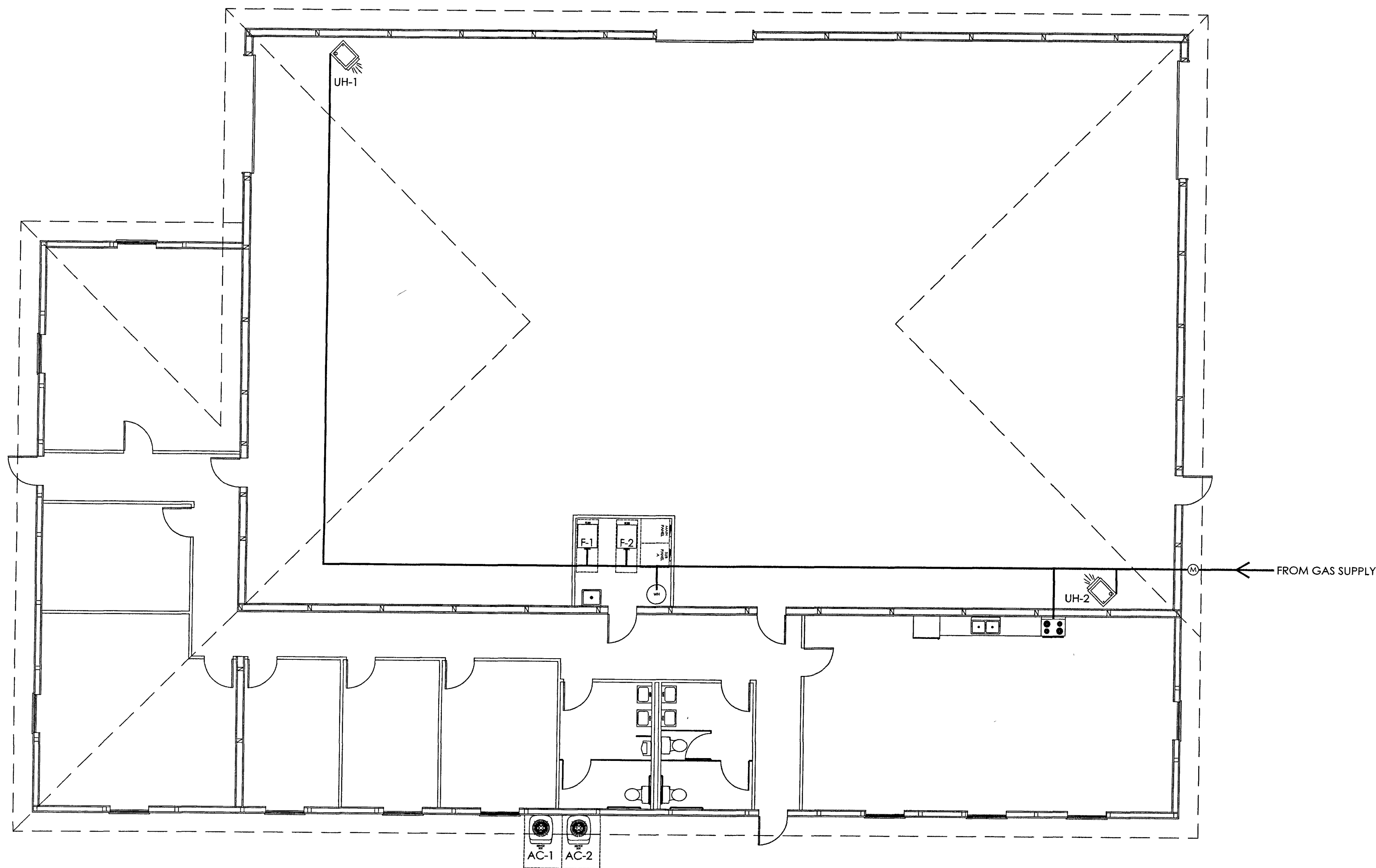
UNIT HEATER: UH-1 & UH-2	
MFG:	REZNOR
MODEL:	RE-100
TYPE:	SUSPENDED
CAPACITY:	INPUT: 100,000 BTUH
	OUTPUT: 80,000 BTUH
FUEL:	NATURAL GAS
ELECTICAL DATA:	115 VOLTS
	1/3 HP
	6.4 FULL LOAD AMPS



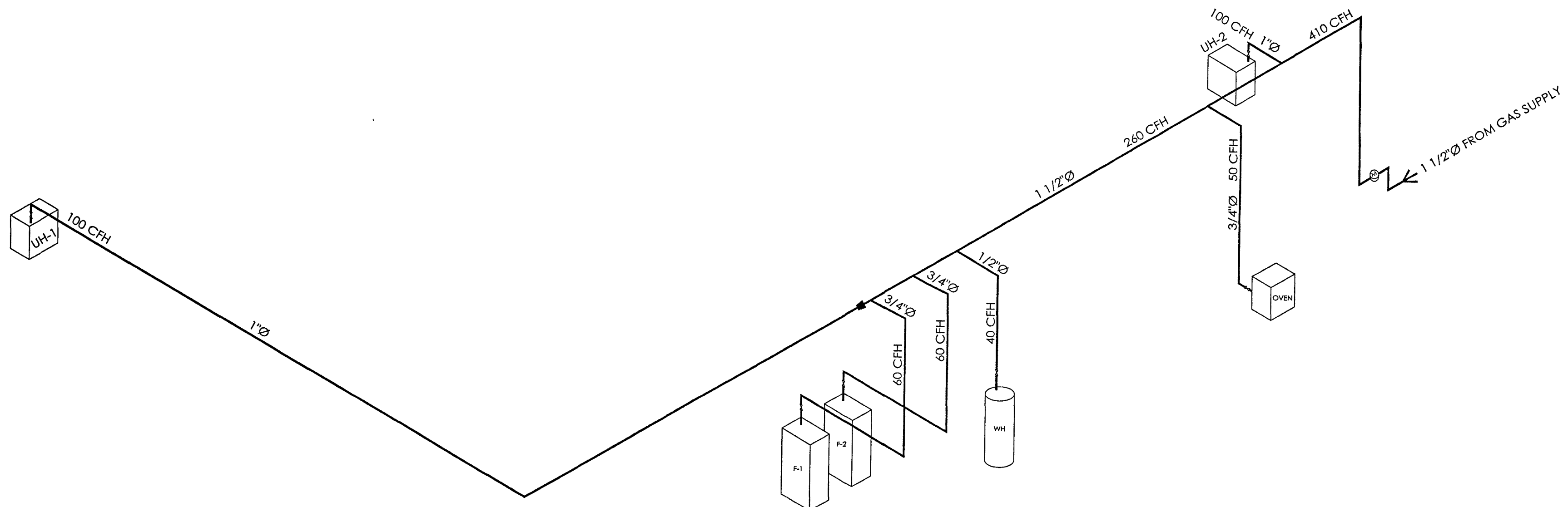
HVAC LAYOUT

SUPPLY DIFFUSERS and RETURN GRILLES

1	100	DIFFUSER, GRILLE SYMBOL
100		AIRFLOW IN CFM
SYMBOL	TAG	DESCRIPTION
1	1	CEILING DIFFUSER
2	2	RETURN AIR GRILLE
3	3	FRESH AIR GRILLE
L		DUCT DAMPER
┐		DUCT CROSS OVER LOCATION
■		DUCT SIZE REDUCTION LOCATION



GAS SUPPLY PLAN



GAS SUPPLY SCHEMATIC

SCALE: AS NOTED
1" 4" 8" 16"

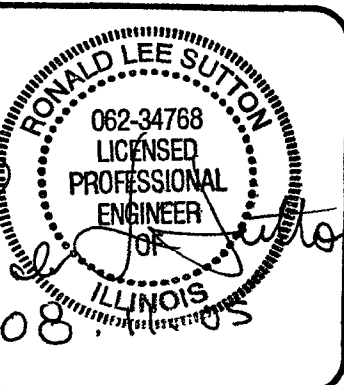
N

OFFICE: MORTON, IL
JOB NO. 021-1962

LINCOLN COLLEGE
LINCOLN, IL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY: SV828
DATE: 05.10.05
CHECKED BY: DONT.
DATE: 06.17.05
REVISED DATE:
REVISED DATE:
REVISED DATE:



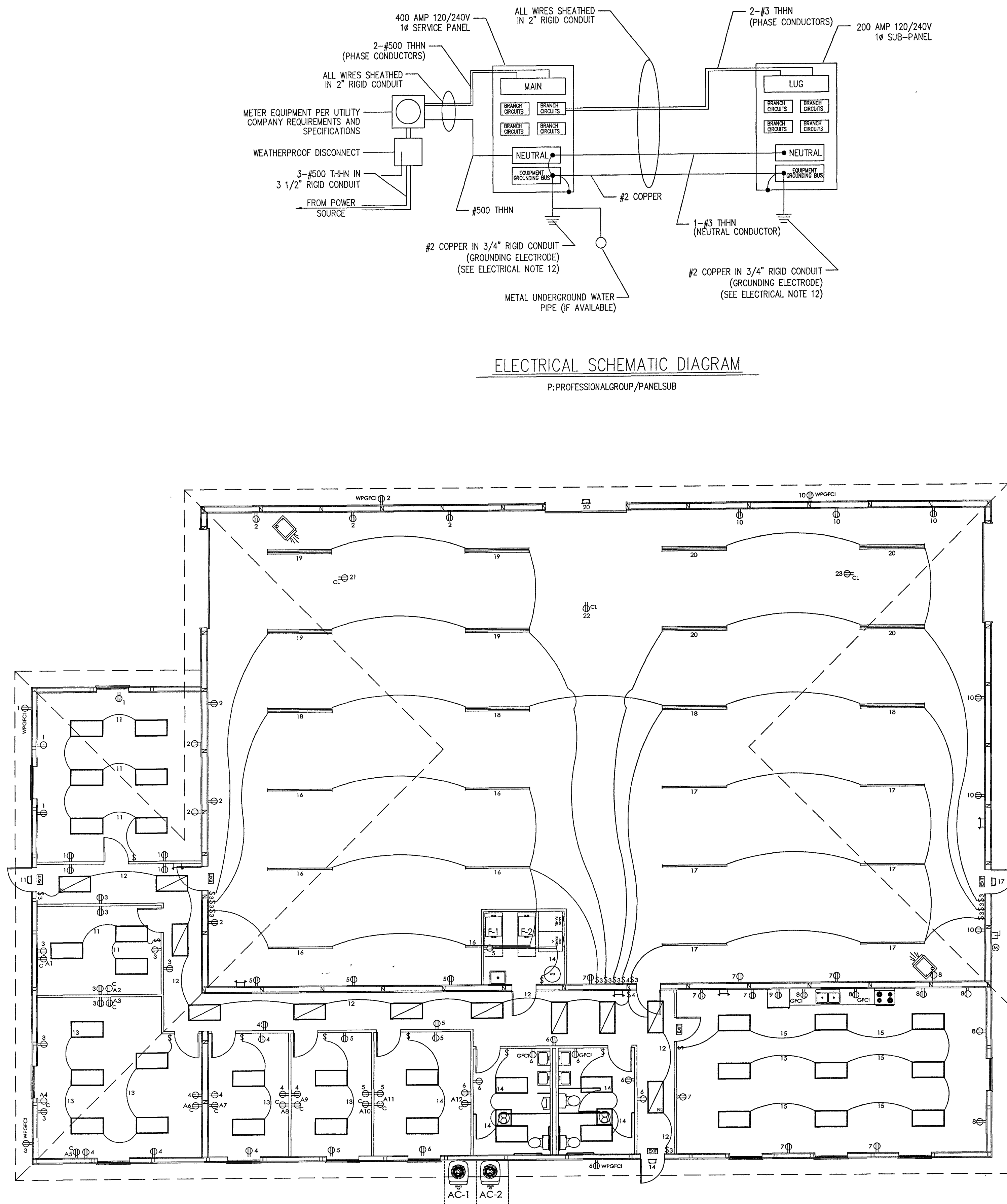
SCALE: AS NOTED
SHEET NO. H2 OF H2

MAIN PANEL SCHEDULE									
BUS: 400 AMPERE, MAIN 400, VOLTAGE: 120/240									
PHASE: 1, WIRE: 3									
AIC: 22,000 AMPERE, MOUNTING: SURFACE									
DESCRIPTION	W	W	W	W	W	W	W	W	W
OUTLETS	12	20	11	2	20	12	2	20	12
OUTLETS	1	1	3	4	1	1	4	1	1
OUTLETS	1	1	5	6	1	1	6	1	1
OUTLETS	1	1	7	8	1	1	8	1	1
OUTLETS	1	1	9	10	1	1	10	1	1
LIGHTS	11	11	12	12	11	11	12	11	11
LIGHTS	13	13	14	14	13	13	14	13	13
LIGHTS	15	15	16	16	15	15	16	15	15
LIGHTS	17	17	18	18	17	17	18	17	17
LIGHTS	19	19	20	20	19	19	20	19	19
OHD	21	21	22	22	21	21	22	21	21
OHD	23	23	24	24	23	23	24	23	23
UH1 & UH2	12	20	25	25	30	10	AC-1		
SUB PANEL A	9/0	200	29	30	20	12	F-2		
			31	32	30	10	AC-2		
			33	34					
			35	36					
			37	38					
			39	40					
			41	42					

SUB PANEL A SCHEDULE									
BUS: 200 AMPERE, MAIN LUG, VOLTAGE: 120/240									
PHASE: 1, WIRE: 3									
AIC: 22,000 AMPERE, MOUNTING: SURFACE									
DESCRIPTION	W	W	W	W	W	W	W	W	W
COMPUTER	12	20	1	2	20	12	2	20	12
COMPUTER	1	1	3	4	1	1	4	1	1
COMPUTER	1	1	5	6	1	1	6	1	1
COMPUTER	1	1	7	8	1	1	8	1	1
COMPUTER	1	1	9	10	1	1	10	1	1
COMPUTER	12	20	11	12	20	12	COMPUTER		
			13	14					
			15	16					
			17	18					
			19	20					
			21	22					
			23	24					
			25	26					
			27	28					
			29	30					
			31	32					
			33	34					
			35	36					
			37	38					
			39	40					
			41	42					

ELECTRICAL SYMBOL SCHEDULE:

- CONCEALED CONDUIT IN WALL OR CEILING.
- 120V DUPLEX RECEPTACLE.
- 120V DUPLEX RECEPTACLE (WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPTER).
- 120V DUPLEX RECEPTACLE (GROUND FAULT CIRCUIT INTERRUPTER).
- 120V DUPLEX RECEPTACLE (CEILING MOUNTED).
- 120V DUPLEX RECEPTACLE (COMPUTER DEDICATED).
- SINGLE POLE SWITCH.
- THREE-WAY SWITCH.
- FOUR-WAY SWITCH.
- 75 CFM EXHAUST FAN.
- 4 TUBE 2'-0"x4'-0" RECESSED FLUORESCENT FIXTURE (32W T8 LAMPS 128W/FIXTURE).
- 2 TUBE 2'-0"x4'-0" RECESSED FLUORESCENT FIXTURE (32W T8 LAMPS 64W/FIXTURE).
- 2 TUBE 8'-0" FLUORESCENT LIGHT FIXTURE (100W T8 LAMPS 200W/FIXTURE).
- 4 TUBE 8'-0" FLUORESCENT LIGHT FIXTURE (100W T8 LAMPS 400W/FIXTURE).
- EMERGENCY BATTERY LIGHT FIXTURE.
- 150W HIGH PRESSURE SODIUM WALL LIGHTER w/ PHOTOCELL.
- METER.
- DISTRIBUTION PANEL.
- WEATHERPROOF DISCONNECT.
- SPLIT WIRED FOR NIGHT LIGHT.
- EXIT LIGHT FIXTURE.



ELECTRICAL LAYOUT