

NELSON STRUCTURAL ENGINEERING  
2620 STEIN BOULEVARD  
EAU CLAIRE, WI 54701  
(715) 836-9794

# CANFIELD CONSTRUCTION

## Wisconsin Window Concepts

### Addition - Waukeshua, WI

#### DESIGN LOADS

Ground Snow, Pg = 30 psf  
Exposure, Ce = 1  
Temp., Ct = 1.1  
Importance, I = 1  
Roof Live, Pf = 30 psf  
Dead Load = 8 psf  
Wind Load = 90 Mph, EXP. C  
Soil Bearing = 3,000 psf

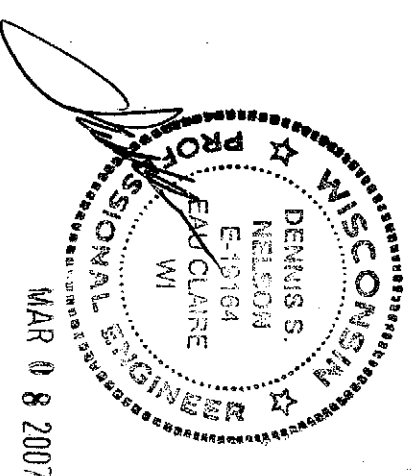
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SHEET 5 - BUILDING DETAILS  
SHEET 6 - BUILDING DETAILS

*[Signature]*  
DEPARTMENT OF  
DIVISION OF SAFETY

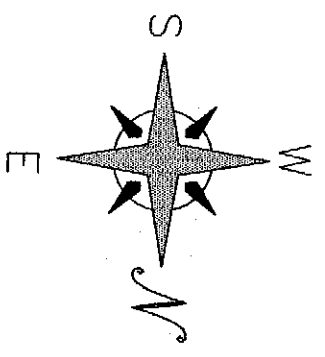
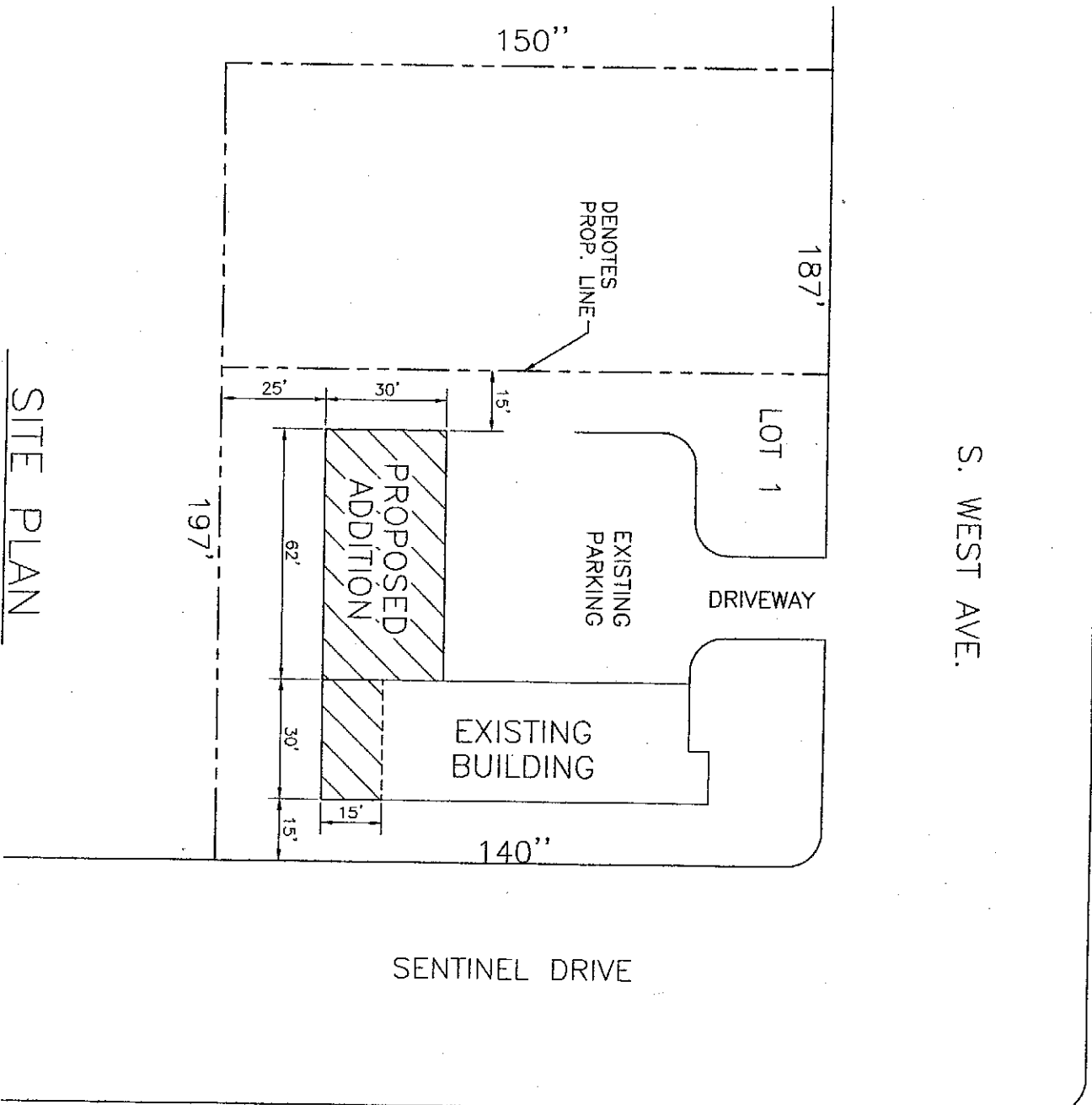
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GENERAL NOTES:

- THE OWNER/CONTRACTOR SHALL VERIFY ALL SETBACKS WITH LOCAL BUILDING OFFICIAL AT TIME OF CONSTRUCTION.
- THE OWNER SHALL PROVIDE A DESIGNATED SPACE WITHIN OR ADJACENT TO THE STRUCTURE FOR THE COLLECTION OF RECYCLABLE MATERIALS AS PER COMM 62.0400(2)
- THERE SHALL BE A 10' MINIMUM BETWEEN THE PROPOSED BUILDING AND ANY EXISTING BUILDING OR PROPERTY LINE.
- ALL GRADES SLOPE AWAY FROM THE BUILDING @ A MINIMUM 2% SLOPE.
- THE OWNER SHALL PROVIDE AN ALL WEATHER HARD SURFACE 30 FEET OR MORE IN WIDTH, EXTENDING AT LEAST 50% OF THE LENGTH OF ONE SIDE OF THE PROPOSED STRUCTURE AND MUST BE ACCESSIBLE TO FIRE FIGHTING EQUIPMENT.
- FIRE EXTINGUISHERS PER IBC 906 SHALL BE PROVIDED AND INSTALLED (BY OTHERS) AS REQUIRED BY IFC 906 AND MAINTAINED (BY OTHERS) AS SPECIFIED BY NFPA 10
- PROVIDE EXIT & EXIT ACCESS DOORS W/ EXIT SIGNS AND DIRECTIONAL EXIT SIGNS IN COMPLIANCE W/ IBC 1003.2.10 EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR PER IBC 1003.2.10.5 THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH THE ICC ELECTRICAL CODE.
- REQUIRED ACCESSIBLE PARKING, PASSENGER LOADING FACILITIES AND ACCESS ROUTES SHALL BE PROVIDED (BY OTHERS) IN COMPLIANCE W/ ICC/ANSI A117.1 (SEE IBC 1106 & COMM 62.1106 FOR NO. OF SPACES REQ'D) THE PARKING ACCESS AISLE SHALL BE PART OF THE ACCESSIBLE ROUTE TO THE BUILDING ENTRANCE. PARKING SPACES AND ACCESS ROUTES SHALL HAVE SURFACE SLOPES NOT STEEPER THAN 1:48 AND BE STABLE, FIRM, AND SLIP RESISTANT. ACCESSIBLE SPACES SHALL BE DESIGNATED BY SIGNS SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
- ALL ACCESSIBLE DOORS AND DOORWAYS SHALL COMPLY WITH ICC/ANSI A117.1 DOOR HARDWARE: HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. THRESHOLDS AT DOORWAYS SHALL BE 1/2" HIGH MAXIMUM. DOORWAYS SHALL HAVE A MIN CLEAR OPENING WIDTH OF 32"
- PER COMM 62.1109(13)(d) CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATION BY THE OCCUPANT, INCLUDING SWITCHES THAT CONTROL LIGHTING, VENTILATION AND ELECTRICAL CONVENIENCE OUTLETS, IN ACCESSIBLE SPACES, SHALL BE ACCESSIBLE, HAVE CLEAR FLOOR SPACES AND REACH RANGES IN COMPLIANCE WITH ICC/ANSI A117.1 OPERABLE PARTS SHALL BE OPERABLE W/ ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5lbs. MAX (OPERABLE PARTS SHALL COMPLY WITH ICC/ANSI A117.1)
- COMM 62.1101(1) THE PROVISIONS OF 62.1101 TO 62.1110 CONTROL THE DESIGN AND CONSTRUCTION OF FACILITIES FOR ACCESSIBILITY TO PEOPLE WITH DISABILITIES. (AND SHALL ALSO COMPLY WITH ICC / ANSI A117.1)



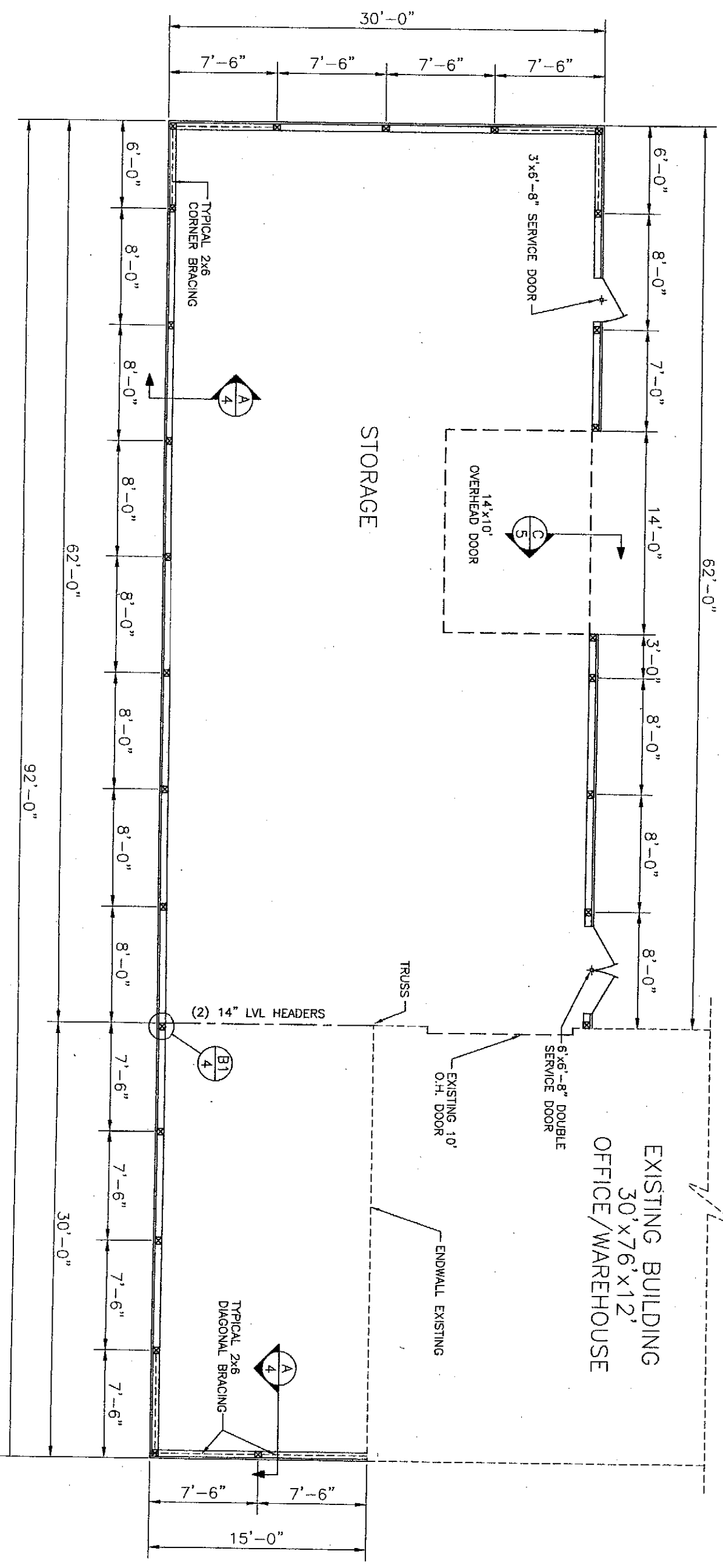
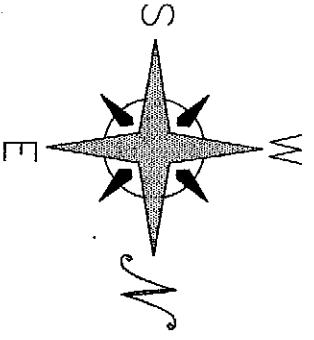
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No.	Date	Revision Description	By
1.			
2.			
3.			

Project Name  
**CANFIELD CONSTRUCTION**  
 Wisconsin Window Concepts - Addition  
 Waukesha, WI

Cad Dwg	Date	Scale
WWConcepts	2-27-07	1" = 40'
Drawn By	ll	Sheet No.
Checked By		



NOTE:  
EXISTING UNISEX  
RESTROOM AT WEST  
END OF BUILDING

EXISTING BUILDING  
30' x 76' x 12'  
OFFICE / WAREHOUSE

# FLOOR PLAN

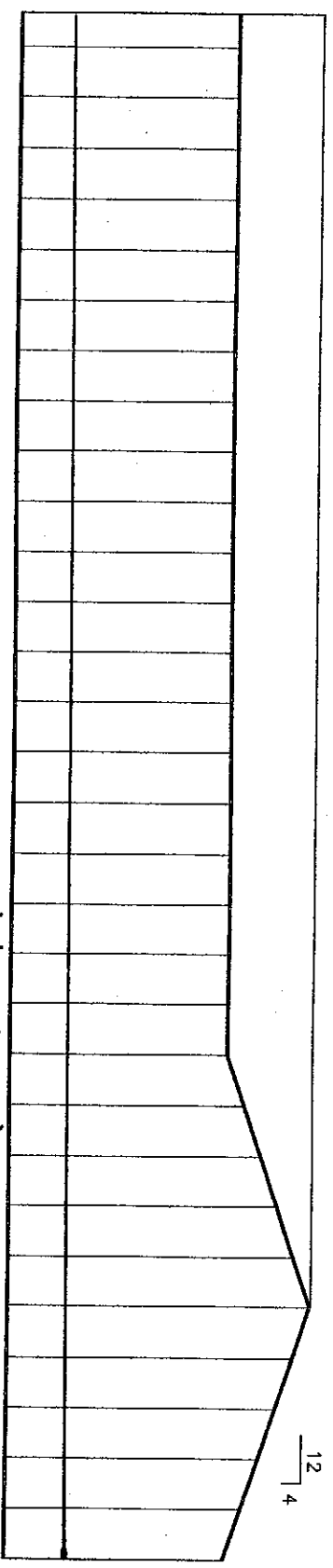
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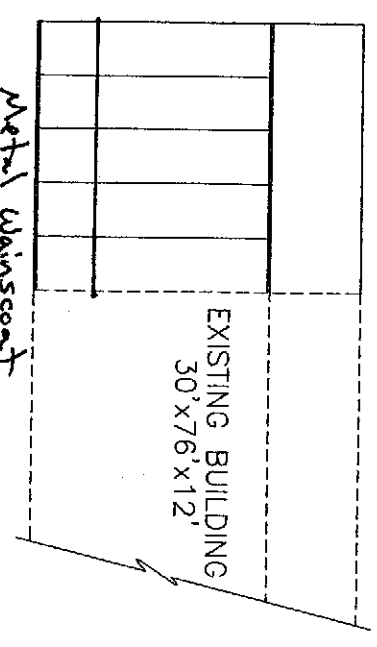
Project Name  
**CANFIELD CONSTRUCTION**  
Wisconsin Window Concepts - Addition Waukesha, WI

Cad Dwg	Date	Scale
WWCConcepts	3-8-07	1/8" = 1'-0"
Drawn By	Checked By	Sheet No.
JL		2



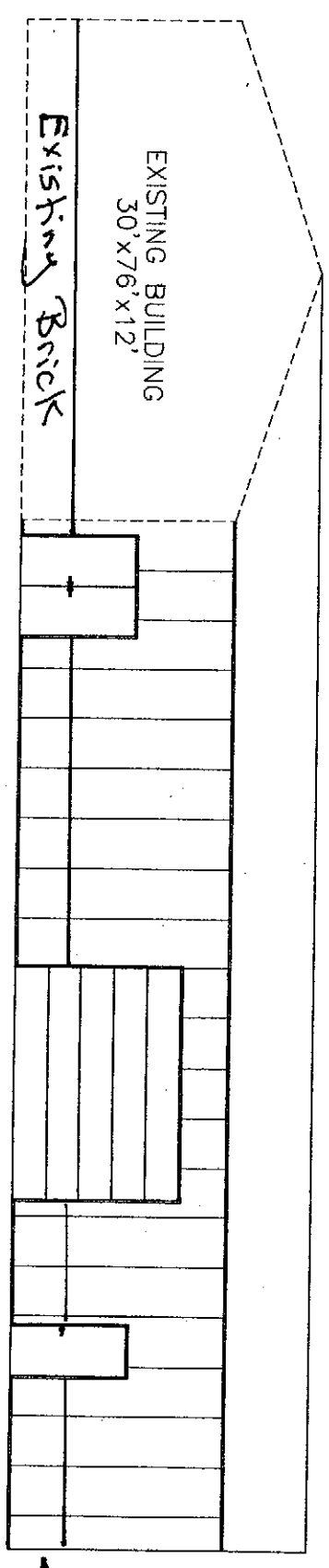
EAST ELEVATION

Metal Vainscoat

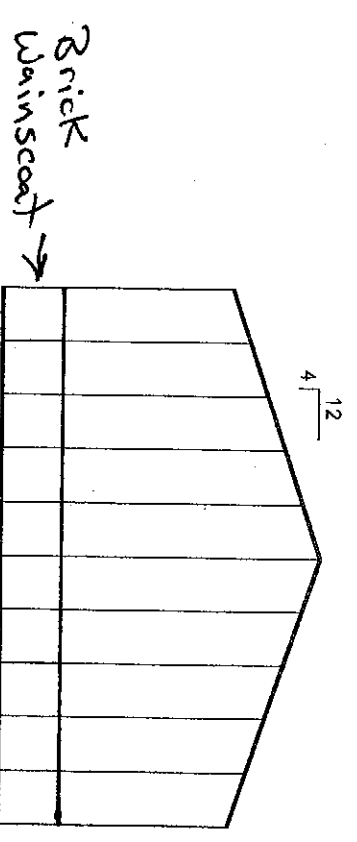


NORTH ELEVATION

Metal Vainscoat



WEST ELEVATION



SOUTH ELEVATION

Brick Vainscoat →

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Cad Dwg  
 WWC/Concepts  
 Drawn By  
 J.L.  
 Date  
 2-27-07  
 Checked By  
 Scale  
 3/32" = 1'-0"  
 Sheet No.  
 3

TRUSS NOTCHED INTO OUTSIDE PLY OF COLUMN FULL BEARING. SECURE W/ 4-20d RINGSHANK NAILS & #1-1/2" THROUGH BOLT

2x4 #2 SPF PURLINS @ 24" O.C. W/ LAPS (SEE DETAIL)

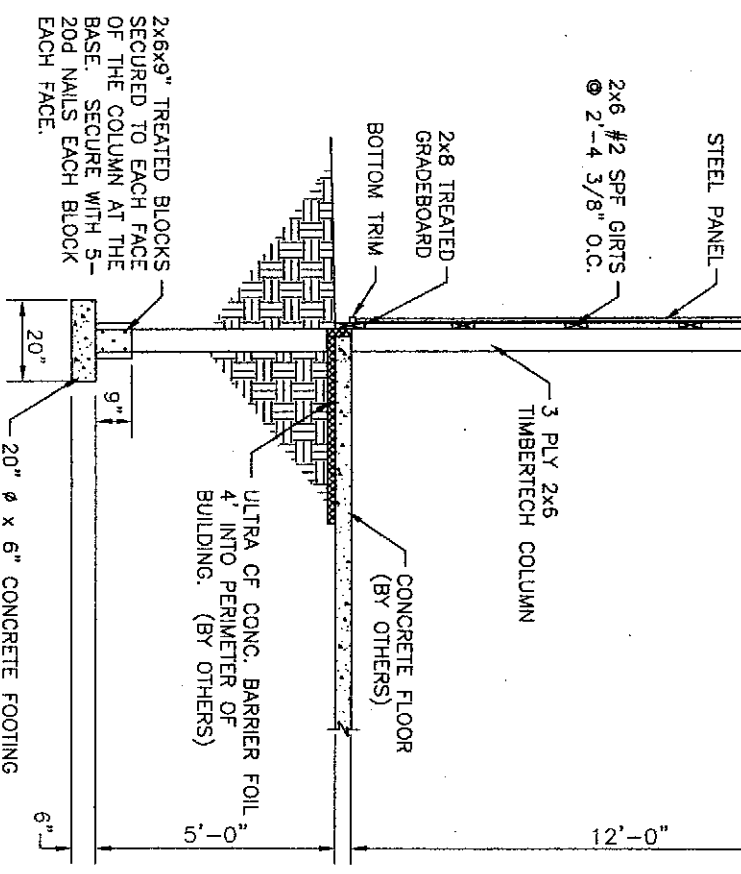
STEEL PANEL

EAVE TRIM

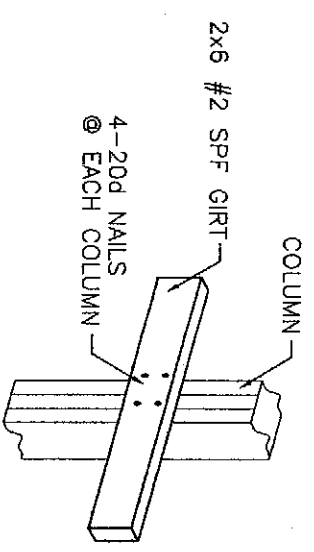
TRUSS

NOTE:  
SEE TRUSS DESIGN FOR LATERAL BRACE LOCATIONS

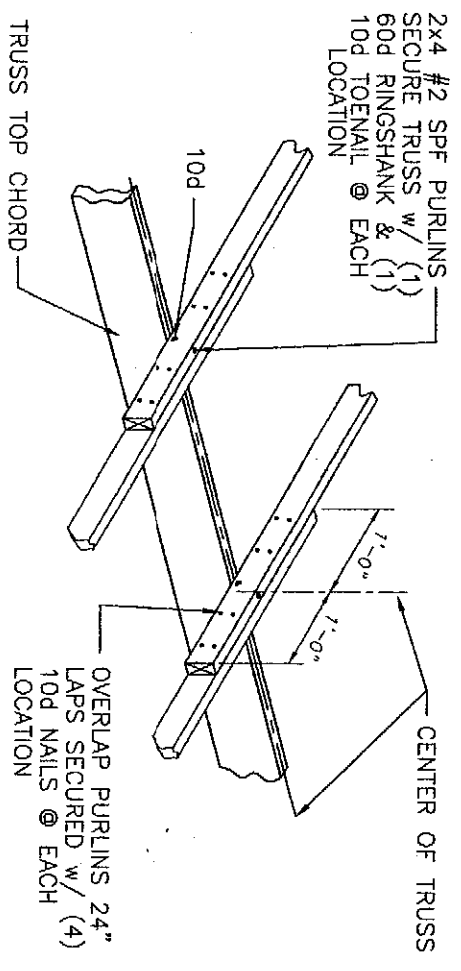
NOTE:  
SEE DETAIL B-4 FOR TRUSS INSTALLATION



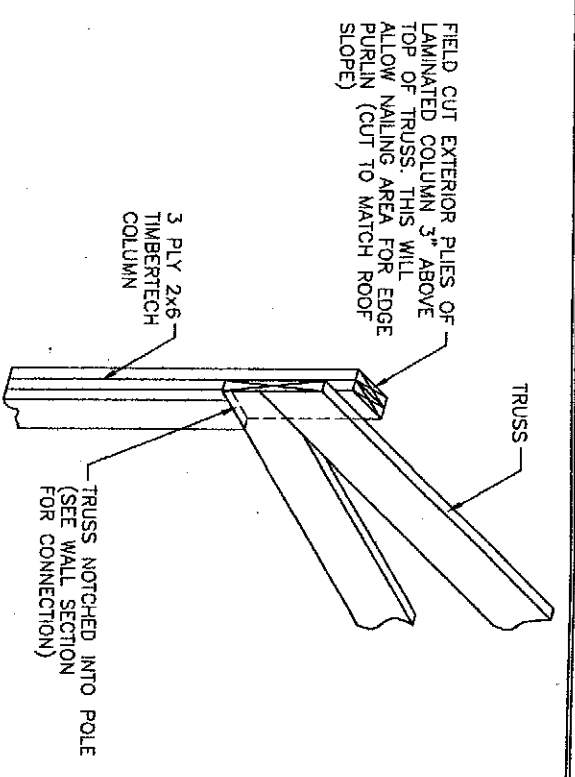
**A**  
4  
**WALL SECTION**  
SCALE: 1/4"=1'-0"



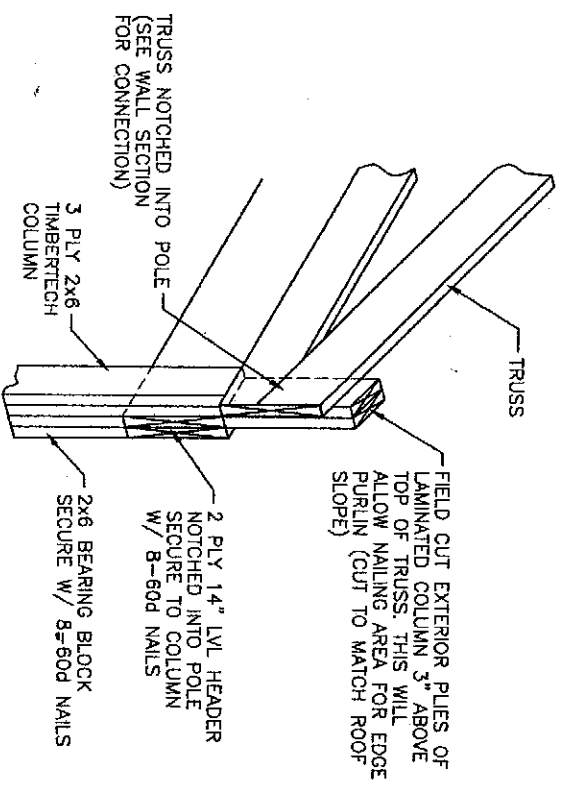
**TYPICAL GIRT CONNECTION**  
N.T.S.



**PURLIN LAP DETAIL**  
N.T.S.



**B**  
4  
**TRUSS INSTALLATION**  
N.T.S.



**B1**  
4  
**TRUSS INSTALLATION**  
N.T.S.

NOTE:  
ANY FASTENERS GOING INTO TREATED MATERIAL SHOULD BE HOT DIP GALVANIZED

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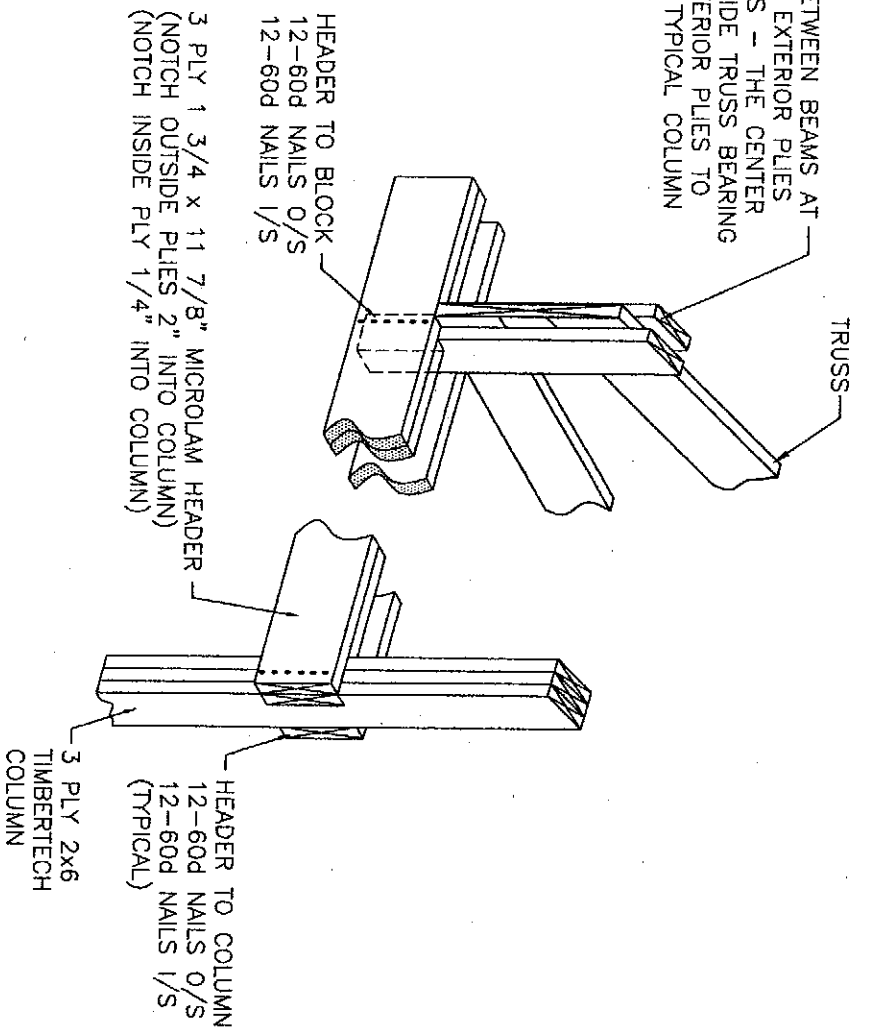
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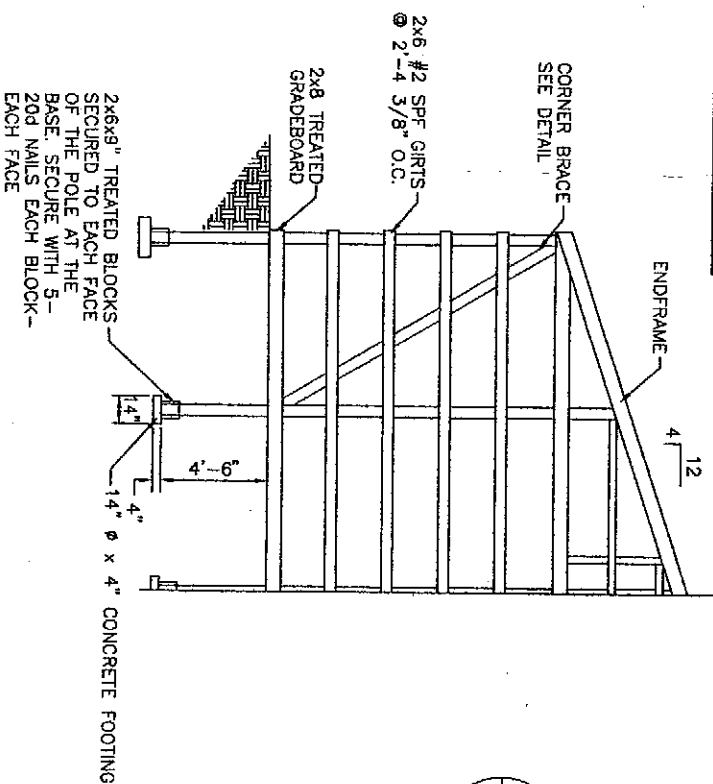
Code Dwg  
WV/Concepts  
Date  
3-8-07  
Scale  
AS NOTED  
Drawn By  
JL  
Checked By  
Sheet No.  
4

3 PLY BLOCK BETWEEN BEAMS AT TRUSS - THE 2 EXTERIOR PLYS SHALL LAP TRUSS - THE CENTER PLY SHALL PROVIDE TRUSS BEARING SECURE THE EXTERIOR PLYS TO TRUSS SAME AS TYPICAL COLUMN

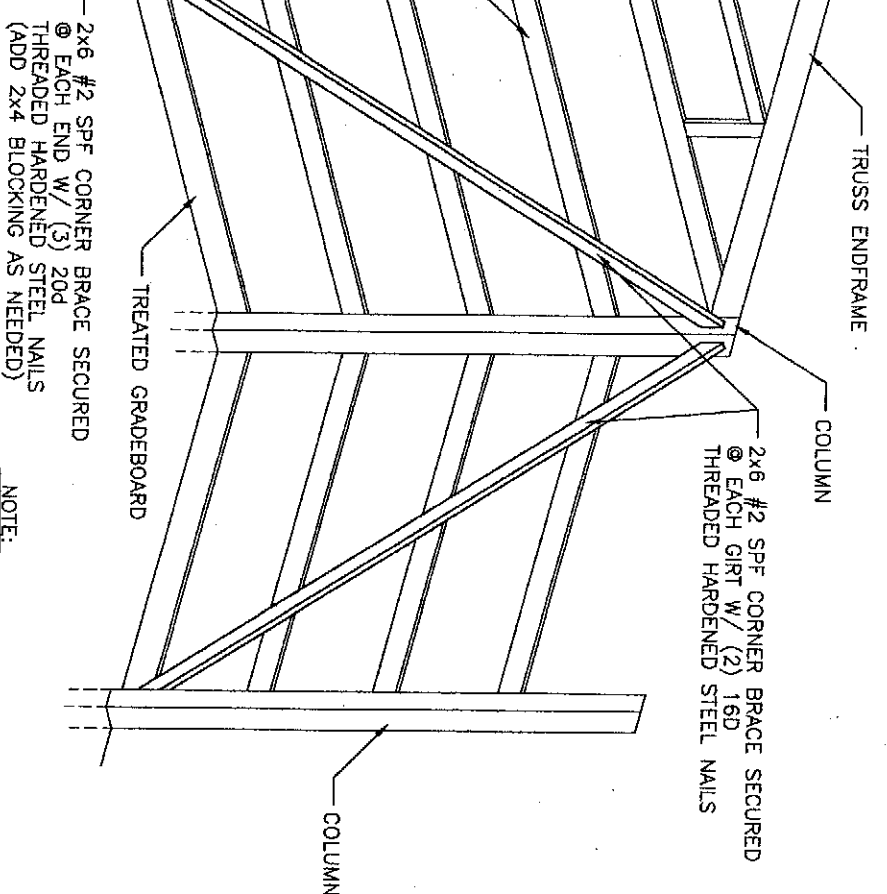


**C** HEADER DETAIL  
N.T.S.

**NOTE:**  
SECURE ENDFRAME TO ENDWALL COLUMNS W/ 4-30d NAILS @ EACH ENDFRAME TO COLUMN LOCATION.



TYPICAL ENDWALL FRAMING  
SCALE: 1/8" = 1'-0"



**D** CORNER BRACE  
N.T.S.

**NOTE:**  
CORNER BRACE SHALL EXTEND FROM GRADEBOARD @ FIRST COLUMN TO TOP OF CORNER COLUMN @ TRUSS

**NOTE:**  
ANY FASTENERS GOING INTO TREATED MATERIAL SHOULD BE HOT DIP GALVANIZED

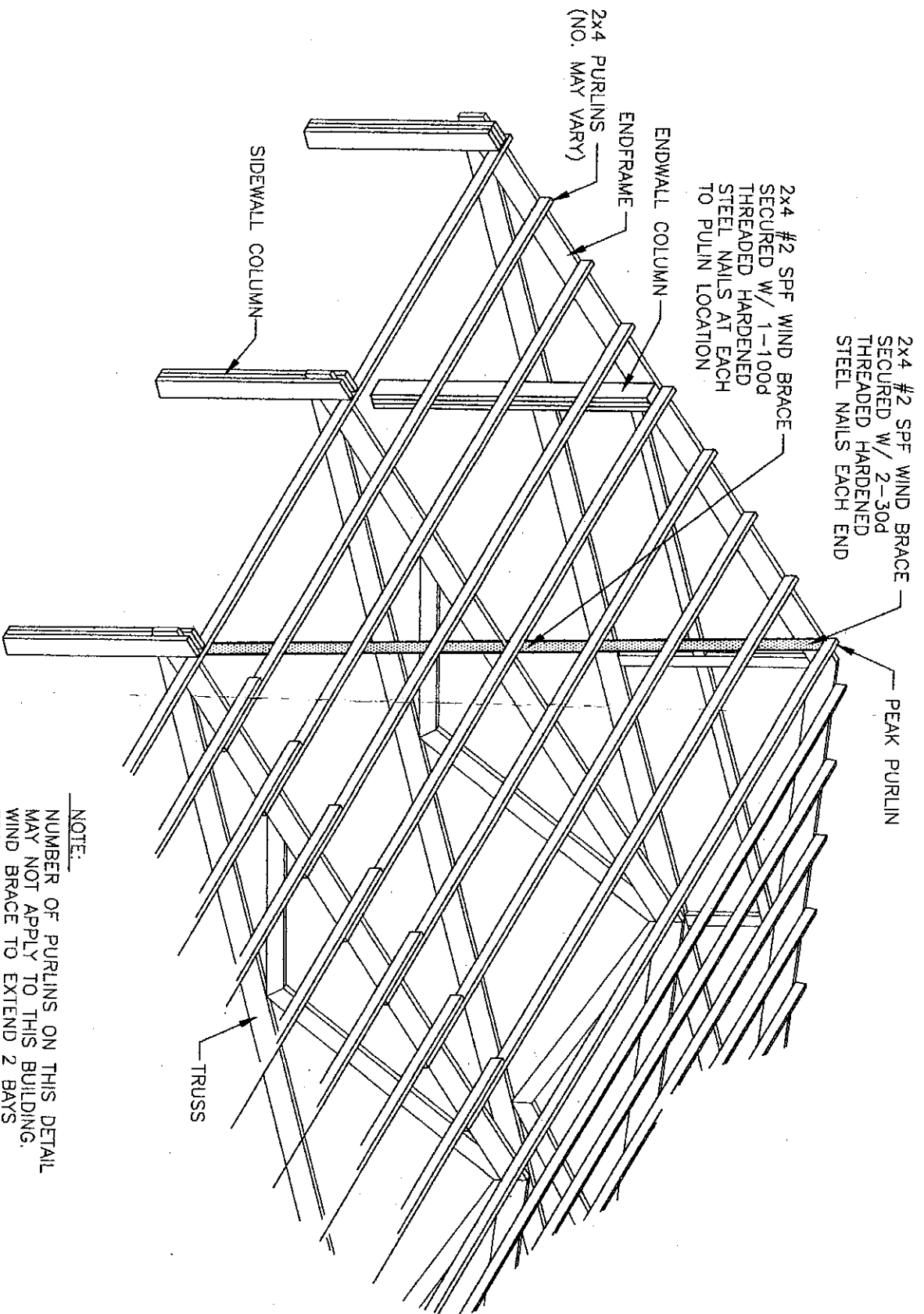
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Cad Dwg	Date	Scale
WWConcepts	2-27-07	AS NOTED
Drawn By	Checked By	Sheet No.
22		5



NOTE:  
 NUMBER OF PURLINS ON THIS DETAIL  
 MAY NOT APPLY TO THIS BUILDING.  
 WIND BRACE TO EXTEND 2 BAYS  
 FROM THE ENDWALL

NOTE:  
 ANY FASTENERS GOING INTO  
 TREATED MATERIAL SHOULD  
 BE HOT DIP GALVANIZED

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E  
 TYPICAL WIND BRACE  
 6  
 N.T.S.

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Cadd Dwg  
**WMCConcepts**  
 Date  
**2-27-07**  
 Scale  
**AS NOTED**  
 Drawn By  
*JJ*  
 Checked By  
 Sheet No.  
**6**