

STRUCTURAL GENERAL NOTES:

DESIGN AND LOADING

THE STRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:

- BUILDING CODE: 2003 IBC w/ CITY AMENDMENTS
- FLOOR LIVE LOAD: 100 PSF
- ROOF DEAD LOAD: 20 PSF
- ROOF SNOW FACTORS:
 - ROOF SNOW LOAD: 50 PSF
 - SNOW EXPOSURE FACTOR: $C_e = 1.0$
 - SNOW DRIFT FACTOR: $C_d = 1.0$
 - WIND EXPOSURE FACTOR: $C_w = 1.0$
 - WIND PROTECTION FACTOR: $C_p = 0.8$
 - BASIC WIND SPEED: 90 MPH (3-SECOND GUST)
 - WIND DIRECTION: 100
 - WIND EXPOSURE: B
 - PRESSURES: 19.2 PSF

- SEISMIC:
 - SEISMIC USE GROUP: I
 - SEISMIC DESIGN CATEGORY: C
 - $S_s = 0.40$, $S_1 = 0.10$
 - WOOD BEARING WALL SYSTEM ($R = 6$)
 - BRACED FRAME ($R = 4$)
 - DESIGN BASE SHEAR = 16.64k (MAX)
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
- FLOOD LOAD: N/A
- SPECIAL LOADS: N/A

FOUNDATION NOTES

THE FOUNDATION DESIGN OF THIS BUILDING WAS BASED ON THE FOLLOWING CRITERIA:

- MAXIMUM ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.
- RECOMMENDED BY XXXXXXXX IN THEIR REPORT #XXXXX DATED XX/XX/XX
- ANY FILL REQUIRED BELOW SLABS ON GRADE OR FOOTINGS, SHALL BE COMPACTED AS REQUIRED BY THE SOILS REPORT NOTED IN ITEM #2.

CONCRETE AND REINFORCING

ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "MANUFACTURERS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST EDITIONS.

ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.(3500 PSI FOR SLABS) AIR ENTRAINMENT AS RECOMMENDED BY ACI 318.

REINFORCING BARS SHALL BE DETORPED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60, WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318-02 AND 318R-02.

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE".

LAMINATED VENEER LUMBER (LVL)

LVL MEMBERS SHALL BE MANUFACTURED WITH LAMINATED VENEER LUMBER AND WATERPROOF ADHESIVES.

LAMINATED/PARALLEL STRAND LUMBER (LSP/PSL)

LSP/PSL MEMBERS SHALL BE MANUFACTURED WITH LAMINATED/PARALLEL STRAND LUMBER AND WATERPROOF ADHESIVES.

SHOP DRAWINGS

SHOP DRAWING SUBMITTALS SHALL CONSIST OF A MINIMUM OF 1 REPRODUCIBLE AND 1 BLUE PRINT OF EACH DRAWING.

MISCELLANEOUS

ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST MANUFACTURERS' DRAWINGS. ALL DIMENSIONS ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

ROOF SHEATHING

ROOF SHEATHING SHALL BE 23/32" (3/4" NOMINAL) TONGUE AND GROOVE SIBU-D-FLOORVA RATED SHEATHING, EXPOSURE 1, 48/24.

LIGHT GAGE METAL FRAMING

16 GA. AND HEAVIER STUDS SHALL HAVE A MINIMUM YIELD STRESS OF 50,000 PSI. 18 GA. AND LIGHTER STUDS AND TRACKS SHALL HAVE A MINIMUM YIELD STRESS OF 33,000 PSI.

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH MORE SPECIAL INSPECTIONS TO PROVIDE IN SECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1704. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED 2003 IBC SECTIONS/LOCATIONS:

- SOILS - SECTION 1704.7 FOR SOILS REPORT COMPLIANCE.
- CONCRETE - ITEM #1 ON TABLE 1704.4 FOR PLACEMENT OF CONCRETE. ITEM #2 ON TABLE 1704.4 FOR DESIGN MIX. ITEM #3 ON TABLE 1704.4 FOR STRENGTH TESTS. ITEM #4 ON TABLE 1704.4 FOR PLACEMENT OF REINFORCING STEEL AND ITEM #2B ON TABLE 1704.5.1 FOR ANCHOR BOLT TYPE, SIZE AND LOCATION.
- STRUCTURAL STEEL- ITEM #2 ON TABLE 1704.3 FOR HIGH STRENGTH BOLTS AND SECTION 1704.2 FOR INSPECTION OF FABRICATIONS.
- WELDING - ITEM #9 ON TABLE 1704.3 FOR INSPECTION OF WELDS. ITEM #8 ON TABLE 1704.3 FOR K-BRACE CONNECTIONS AND SECTION 1704.3.1 FOR COMPLIANCE AND QUALIFICATION OF WELDS.

SAWM LUMBER

ALL GRADES OF LUMBER SHALL BE RATED BY THE SOUTHERN PINE ASSOCIATION (SPPA) (SPL) OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%.

- SOUTHERN PINE NO. 1
- HEAVYER NO. 1 - LARCH NO. 1
- BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE, 2003 EDITION, IF NO OTHER CRITERIA IS GIVEN.
- CONNECTIONS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.

OPEN WEB WOOD JOISTS

OPEN WEB WOOD JOISTS SHALL BE MANUFACTURED WITH MACHINE TREATED LUMBER MEMBERS PER MANUFACTURERS' SPECIFICATIONS.

FOUNDATION NOTES

ALL HANGERS AND FRAMING CONNECTORS SHOWN ARE MANUFACTURED BY SIMPSON STRONG TIE. ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.

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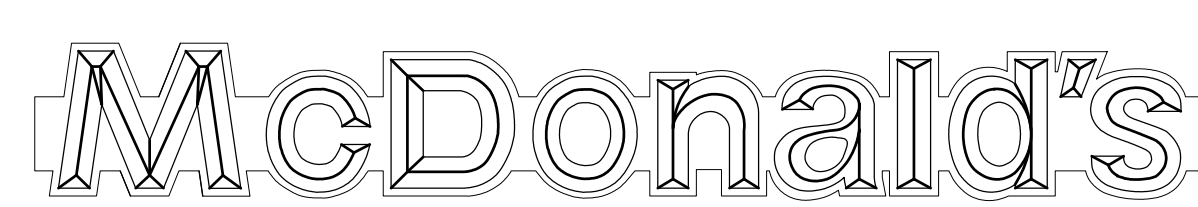
REVISIONS		
NO.	DATE	BY
1		
2		
3		
4		
5		
6		
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Landry ARCHITECTS
 389 Main Street - Salem, NH 03079
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DRAWN BY: T.E.A. DATE ISSUED: 08/14/07
 CHECKED BY: D.A.D. SCALE: AS NOTED
 DATE DRAWN: 06/01/07 JOB NUMBER: M-1035

CONSULTANT:
DUBOIS ENGINEERING ASSOCIATES, INC.
 CONSULTING ENGINEERS, STRUCTURAL, FORENSIC
 117 HARRISON STREET, MANCHESTER, NH 03041
 PH: (603) 666-0900 FAX (603) 669-0900

SHEET TITLE:
COLUMN SCHED AND GENERAL NOTES



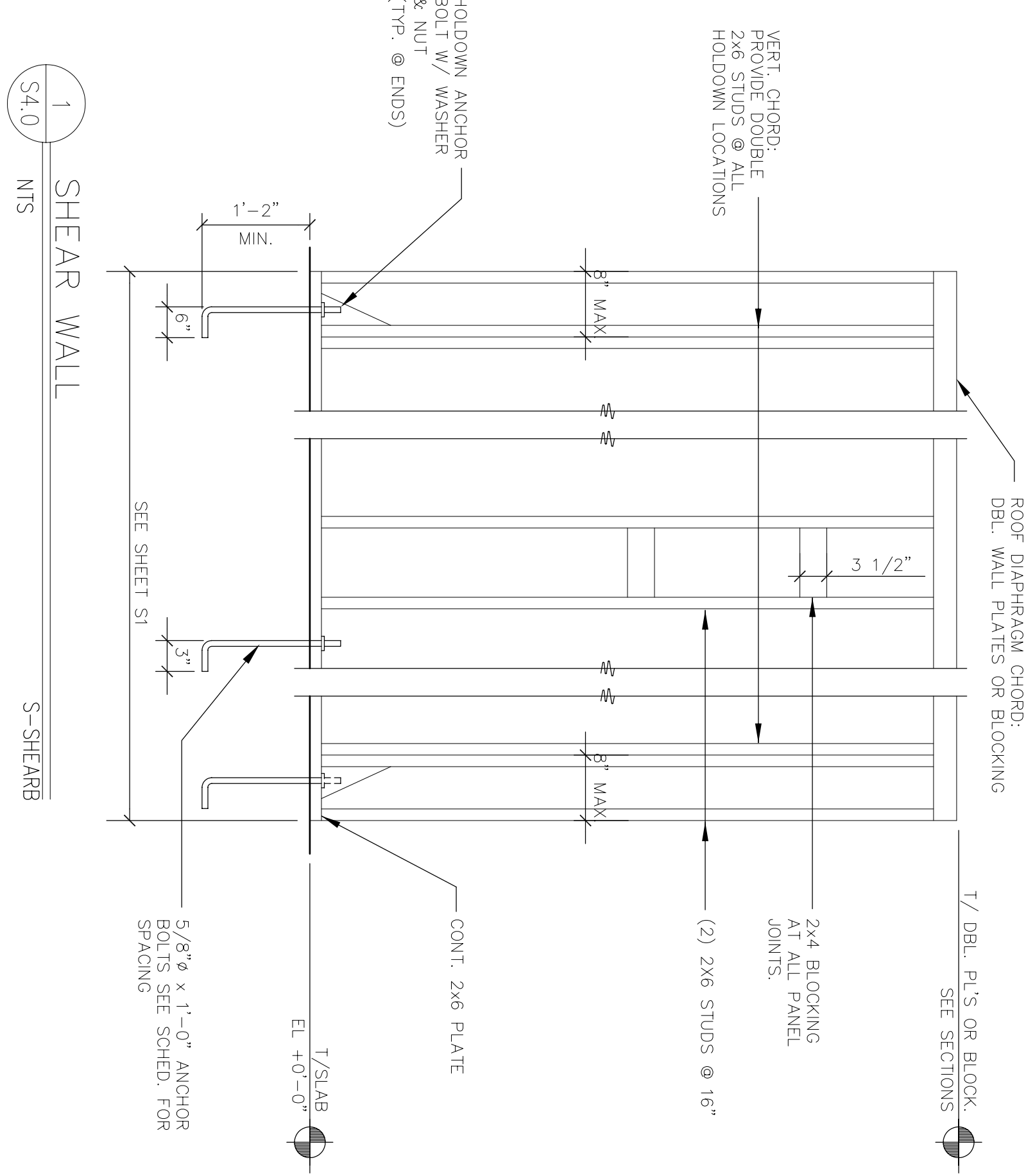
RESTAURANT LOCATION:
 332 St. John Street
PORTLAND, ME

PREPARED FOR:
McDonald's USA, LLC
 McDONALD'S PLAZA
 OAK BROOK, ILLINOIS
 60521

SHEET NUMBER:
S-4.0

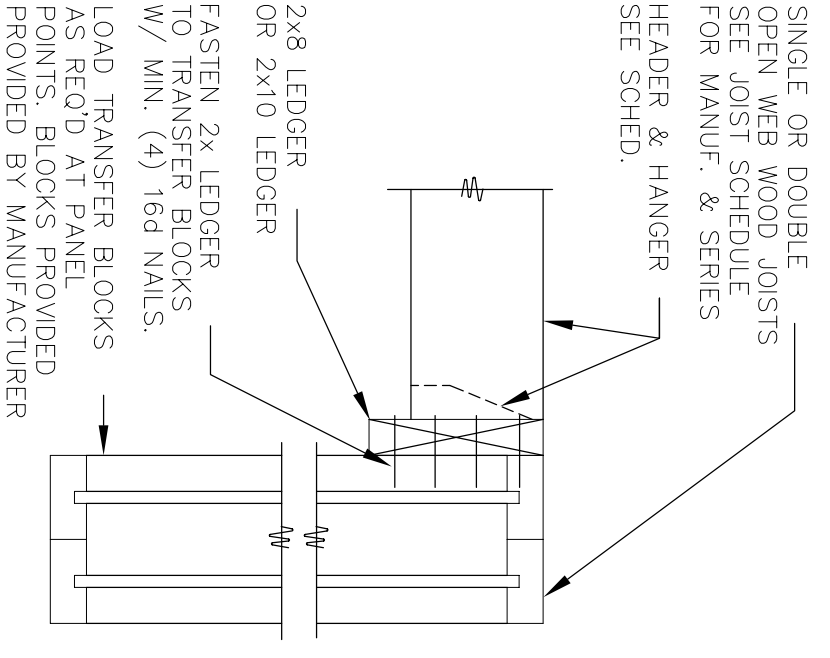
SHEAR WALL SCHEDULE

WIND LOAD = 90 MPH (EXPOSURE B)	SEISMIC: Ss=0.40g	SI=0.10g					
MARK	SHEATHING NAIL SIZE	SHEATHING NAIL SPACING @ PANEL EDGES	HOLDOWN** ANCHORS	ANCHOR BOLT SPACING	SHEATHING NAIL SIZE	SHEATHING NAIL SPACING @ ROOF DIAPHRAGM	
A	19/32"	8d	4"	1-4008-S0325 7/8" A.B.	32"	10d	6"
B	19/32"	8d	4"	1-4008-S0325 7/8" A.B.	48"	10d	6"
C	19/32"	8d	6"	1-4008-S0325 7/8" A.B.	48"	10d	6"
D	19/32"	8d	6"	1-4008-S0325 7/8" A.B.	48"	10d	6"
E	19/32"	8d	6"	1-4008-S0325 7/8" A.B.	48"	10d	6"
F	19/32"	8d	6"	1-4008-S0325 5/8" A.B.	48"	10d	6"
G	19/32"	8d	6"	1-4008-S0325 7/8" A.B.	48"	10d	6"



OPEN WEB WOOD JOIST SCHEDULE

LINE LOAD	DEPTH	MANUFACTURER & SERIES
30	28" / 36" / 28"	TRUS JOIST MACMILLAN TUS



2 OPEN WEB JOIST SCHEDULE

6/399 S34-WISA

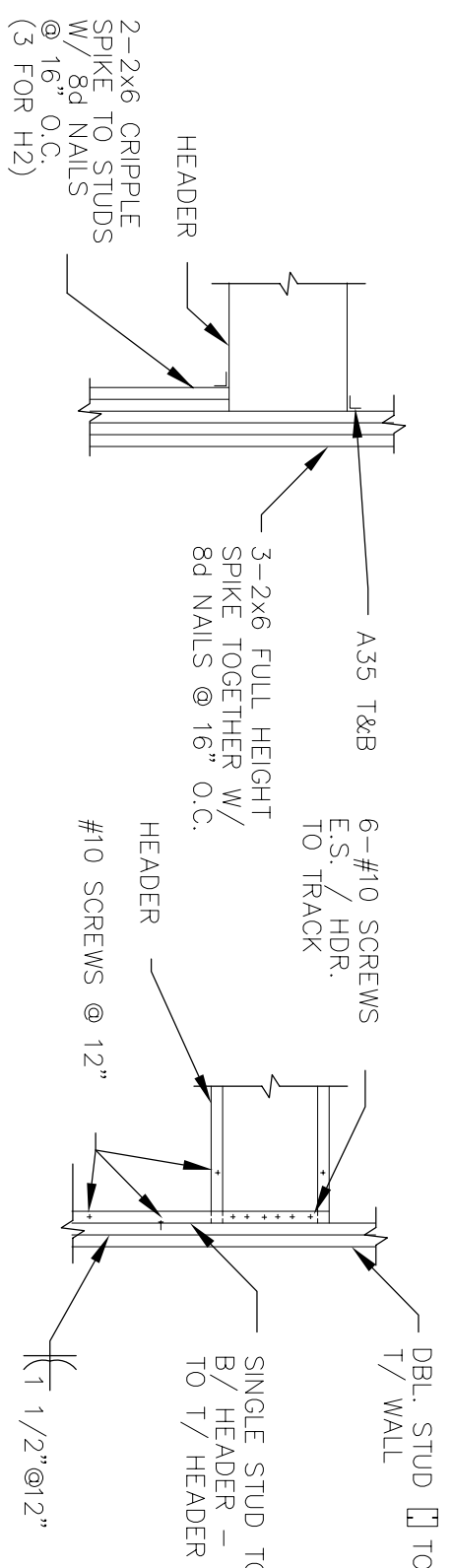
BEAM SCHEDULE

S-----BS9

MARK	MEMBER	SHAPE	SUPPORT	REMARKS
B1	W16x26 + 1/4" PLATE	I	3/8" THRU PLATE	4- 3/4" A325 BOLTS EA. END
B2	W16x26 + 1/4" PLATE	I	3/8" THRU PLATE	4- 3/4" A325 BOLTS EA. END
B3	W10x12	I	3/8" THRU PLATE	2- 3/4" A325 BOLTS EA. END
B4	W18x40	I	3/8" THRU PLATE	9- 3/4" A325 BOLTS EA. END
B5	TS6x6x1/4" FL. / 4x8	I	1/2" END PLATE	SEE 8-53.1 FOR DETAILS
B6	W16x31	I	3/8" THRU PLATE	SEE DETAIL 30/53.3
B7	TS6x6x3/8" FL. / 3/8 x10	I	END PLATE	SEE ELEV. 1&2/53.3
B8	TS6x6x1/4	I	END PLATE	SEE DETAIL 3F/53.3
B9	W10x26	I	3/8" THRU PLATE	SEE DETAIL 3C/53.3
B10	TS6x4x1/4	I	END PLATE	

HEADER SCHEDULE

MARK	MEMBER	SHAPE	BEARING
H1	5 1/4" x 11 1/4" PSL	I	2 3/4" - PSL 4" - ANGLE
H2	2-6"x18GA. JSTS. + 2-6"x18GA. TRACKS.	I	1 5/8"
H3	NOT USED		SEE BELOW



COLUMN & BASE PLATE SCHEDULE

MARK	MEMBER	SHAPE	BASE PLATE	REMARKS
C1	TS 4" x 4" x 1/4"	I	A	
C2	TS 4" x 4" x 3/8"	I	B	K-BRACE
C3	TS 8" x 8" x 5/8"	I	C	MOMENT FRAME
C4	TS 6" x 6" x 1/2"	I	D	MOMENT FRAME

NOTE: SEE SHEET S3.0 FOR BASE PLATE DETAILS.