FOUNDATION AND RELATED NOTES

1. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISIONS SHALL GOVERN.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND FOR COORDINATING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTUAL DRAWINGS WITH THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS. IF DISCREPANCIES IN THE DIMENSIONS OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BRING THE DISCREPANCY TO THE ATTENTION OF THE ARCHITECT AND ENGINEERS BEFORE PROCEEDING WITH WORK.
3. ALL CONTRACTORS AND SUBCONTRACTORS ARE TO EXAMINE ALL DRAWINGS AND NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCY BEFORE PROCEEDING WITH THE WORK.
4. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REFERENCED BUILIDING CODE, LOCAL ORDINANCES, AND REFERENCE STANDARDS OF ASTM, ACI, AND AISC.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES AND TO PROTECT THEM FROM DAMAGE.
6. IN CASE OF ANY DISCREPANCY BETWEEN THIS PLAN AND ANCHOR BOLT PLAN THE ANCHOR BOLT PLAN SHALL SUPERSEDE, AND THE FOUNDATION ENGINEER SHALL BE NOTIFIED.
7. SEE ANCHOR BOLT DRAWINGS FOR SIZE AND LOCATION OF ANCHOR BOLTS.
8. THESE DRAWINGS HAVE BEEN PREPARED BASED ON METAL BUILDING ANCHOR BOLT AND FRAME REACTION PLANS. DUE TO ANY FUTHER REVISIONS TO A.B. PLAN, THIS FOUNDATION PLAN NEEDS TO BE REVISED. OTHERWISE IT WILL BE VOID.
9. FOR LOCATION AND SIZE OF CONCRETE NOTCH FOR PANELS, SEE METAL BUILDING ANCHOR BOLT PLAN.
10. ALL CONCRETE FOOTINGS AND GRADE BEAMS SHALL BEAR UPON / OR PENETRATE INTO UNDISTURBED SOIL OR COMPACTED SOIL. SOIL SHALL HAVE MIN. IN-PLACE DENSITY OF 95% OF MAX. DENSITY @ MAX. MOISTURE CONTENT FOR THE SOIL AT THE PROJECT SITE.
11. COMPACT SOIL ALL AROUND ISOLATED FOOTINGS AFTER PLACEMENT.
12. FOUNDATION ENGINEER'S LIABILITY IS LIMITED TO FOUNDATION DESIGN FEE.
13. CONCRETE SLAB ON GRADE NOT DESIGNED FOR ANY POINT LOAD.
14. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI (5 SACK MINIMUM).
15. IF EXPANSIVE SOIL WITH EXPANSION INDEX OF GREATER THAN 20 IS LOCATED UNDER FOOTINGS, GRADE BEAMS, AND/OR SLAB, THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO MAKE THE PROPER RECOMMENDATION AND THE FOUNDATION DESIGN SHALL BE REVISED BASED ON THE GEOTECHNICAL ENGINEER'S REPORT.
16. FILL MATERIAL SHALL BE OF GRANULAR QUALITY WITH $3 < PI < 15$. FILL MATERIAL SHALL BE PLACED IN 6 INCH LIFTS AND COMPACTED TO MINIMUM DENSITY OF 95% STANDARD PROCTOR (ASTM D 698) AT A MOISTURE CONTENT OF 3–5% ABOVE OPTIMUM.
17. REINFORCING STEEL SHALL BE NEW DOMESTIC, DEFORMED BILLET STEEL, ASTM A 615, GRADE 60 (EXCEPT #3 CAN BE GRADE 40), AND SHALL BE LAPPED A MINIMUM OF 40 DIAMETERS. ALL REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST REVISIONS OF THE ACI MANUAL, "MANUAL OF STANDARD OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". REINFORCEMENT IN ALL CONCRETE WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. WHERE FOOTINGS AND / OR SLAB STEP, REINFORCEMENT SHALL BE CONTINUOUS IN THE STEP. WELDED WIRE FABRIC SHEETS SHALL BE PER ASTM A185.
18. BOTTOM BEAM STEEL SHALL HAVE 3" CLEARANCE, ALL OTHER BEAM AND SLAB STEEL SHALL EXTEND TO 2" OF EXTERIOR FORMS AND OTHER CONDITIONS SHALL BE AS PER LATEST EDITION OF ACI 318.
19. ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE A MINIMUM OF 2,000 PSF, BUT IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SOIL CONDITIONS BEFORE CONSTRUCTION, AND IF UNUSUAL CONDITIONS ARE ENCOUNTERED, NOTIFY THE ENGINEER BEFORE CONSTRUCTION
20. FINAL GRADE SHALL BE SUCH THAT ADEQUATE DRAINAGE AWAY FROM ALL SIDES OF THE FOUNDATION IS PROVIDED, AND NO EROSION WILL OCCUR.
21. CONTROL JOINTS SHALL BE SAW CUT 1/4 OF SLAB THICKNESS AT GRID NOT MORE THAN 15'-0 X 15'-0.
22. BEFORE POURING SLAB, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE PLACEMENT OF ALL PLUMBING FIXTURES, DRAINS, & OTHER ELEMENTS THAT MAY PENETRATE THE SLAB.

RECEIVED
MAY - 2 2003
DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME

STATE OF MAINE
CHANDER P. NANGIA
3334
REGISTERED PROFESSIONAL ENGINEER
MAR 10 2003

GENERAL STEEL CORP.

1075 S. YUKON ST., STE. 250 • LAKEWOOD, CO 80226

DESCRIPTION	FOUNDATION NOTES
CUSTOMER	MORRILL STREET ASSOCIATES
LOCATION	PORTLAND, ME

DRN. BY	CK'D BY	DATE	SCALE	JOB NO. M8272	SHEET NO.	ISSUE
CPN	CPN	01/13/03	NONE	B2158	F4 OF 4	

BUILDING DESCRIPTION

NOMINAL SIZE:	WIDTH		LENGTH		EAVE HEIGHT (LOW SIDE)	ROOF SLOPE
BUILDING "A"	60'-0	X	140'-0	X	16'-0	1:12

GENERAL NOTES

1) ROOF PANEL 26 GA. DURA-RIB --- ALUM-ZINC
2) WALL PANEL 26 GA. DURA-RIB --- SHELL WHITE
3) BASE FLASH 26 GA. --- SHELL WHITE
4) CORNER FLASH 26 GA. --- SHELL WHITE
5) ALL OTHER FLASH 26 GA. --- REGAL WHITE

MATERIALS

MATERIAL PROPERTIES OF STEEL BAR, PLATE AND SHEET USED IN THE FABRICATION OF BUILT-UP PRIMARY AND SECONDARY STRUCTURAL FRAMING MEMBERS CONFORM TO ASTM A529, ASTM A572, ASTM A1011 SS, OR ASTM A1011 HSLAS WITH A MINIMUM YIELD POINT OF 50 KSI.

MATERIAL PROPERTIES OF HOT ROLLED STRUCTURAL SHAPES CONFORM TO ASTM A992, ASTM A529, OR ASTM A572 WITH A MINIMUM SPECIFIED YIELD POINT OF 50 KSI. HOT ROLLED ANGLES, OTHER THAN FLANGE BRACES, CONFORM TO ASTM A36 MINIMUM.

HOLLOW STRUCTURAL SHAPES CONFORM TO ASTM A500 GRADE B. MINIMUM YIELD POINT IS 42 KSI FOR ROUND HSS AND 46 KSI FOR RECTANGULAR HSS.

MATERIAL PROPERTIES OF COLD-FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM A1011 SS GRADE 55, OR ASTM A1011 HSLAS CLASS 1 GRADE 55, WITH A MINIMUM YIELD POINT OF 55 KSI.

SPECIFICATIONS

MATERIALS SUPPLIED BY THE MANUFACTURER FOR THIS BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ORDER DOCUMENTS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS SUCH AS, BUT NOT LIMITED TO, CUTTING OR REMOVAL OF GIRTS, ROD BRACING, OR FLANGE BRACES SHOWN ON THESE ERECTION DRAWINGS OR THE ADDITION OF OTHER CONSTRUCTION MATERIAL OR LOADS WILL VOID ALL WARRANTIES AND CERTIFICATIONS SUPPLIED BY MANUFACTURER AS THEY APPLY TO THIS CONDITION. ANY STRUCTURAL FIELD MODIFICATIONS MUST BE UNDER THE DIRECTION OF A LICENSED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR LOADS OTHER THAN THOSE SPECIFIED IN THE ORDER DOCUMENTS.

MATERIALS HAVE BEEN DESIGNED WITH THE MANUFACTURERS' STANDARD DESIGN PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES:

AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
THE BUILDING CODE AS SPECIFIED ON THE ENGINEERING DESIGN CRITERIA SHEET.
METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL".

ALL WELDING IS PERFORMED IN ACCORDANCE WITH AWS D1.1. UNLESS OTHERWISE CALLED FOR ON THE ORDER DOCUMENTS.

UNLESS NOTED ON THE ERECTION DRAWINGS, NO FIELD WELDING IS REQUIRED. WHERE FIELD WELDING IS SPECIFIED THE BUILDER/CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE METHODS AND PROCEDURES TO FULFILL WELD REQUIREMENTS. THE MANUFACTURER IS NOT RESPONSIBLE FOR WELDMENT SURFACE PREPARATION EXCEPT AS SPECIFIED IN THE ORDER DOCUMENTS.

INSPECTION/JOBSITE

SPECIAL SHOP AND ALL FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR UNLESS SPECIFIED OTHERWISE IN THE ORDER DOCUMENTS.

FIELD INSPECTION MAY BE SPECIFIED BY THE APPLICABLE BUILDING CODE AND/OR THE STATE OR LOCAL JURISDICTION, NOT BY THE MANUFACTURER.

THE MANUFACTURER IS NOT RESPONSIBLE FOR GENERAL SITE SUITABILITY, JOB SITE INSPECTION, OR ERECTION MONITORING. SITE SPECIFIC CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

BUILDER/CONTRACTOR RESPONSIBILITIES

THE MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE ORDER DOCUMENTS, THE MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN.

THE BUILDER/CONTRACTOR OR A/E FIRM IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR ERECTION OF STEEL AND ALL ASSOCIATED WORK IN COMPLIANCE WITH THE MANUFACTURER DRAWINGS. TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK OR OTHER ELEMENTS REQUIRED FOR ERECTION WILL BE DETERMINED, FURNISHED AND INSTALLED BY THE BUILDER/CONTRACTOR. ALL INTERFACE AND COMPATIBILITY OF ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE THE RESPONSIBILITY OF AND TO BE COORDINATED BY THE BUILDER/CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING ANY INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE ORDER DOCUMENTS, THE MANUFACTURER ASSUMPTIONS WILL GOVERN. WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER DRAWINGS AND THE PLANS OF OTHER TRADES, THE MANUFACTURER DRAWINGS SHALL GOVERN. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE BUILDER/CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

THESE DRAWINGS, SUPPORTING STRUCTURAL CALCULATIONS AND DESIGN CERTIFICATION ARE BASED ON ORDER DOCUMENTS AS OF THE DATE OF THESE DRAWINGS. THESE DOCUMENTS SHALL DESCRIBE THE MATERIAL SUPPLIED BY THE MANUFACTURER AS OF THE DATE OF THESE DRAWINGS. ANY CHANGES TO THE ORDER DOCUMENTS AFTER THIS DATE WILL VOID THESE DRAWINGS, SUPPORTING STRUCTURAL CALCULATIONS AND DESIGN CERTIFICATION. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE GOVERNING BUILDING AUTHORITY OF ALL CHANGES TO THE ORDER DOCUMENTS WHICH RESULT IN CHANGES TO THE DRAWINGS, SUPPORTING STRUCTURAL CALCULATIONS AND DESIGN CERTIFICATION.

THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR APPLYING AND OBSERVING ALL PERTINENT SAFETY RULES AND REGULATIONS AND OSHA STANDARDS AS APPLICABLE.

SUPPLYING DESIGN DATA AND DRAWINGS SEALED BY A LICENSED ENGINEER, FOR MATERIALS SUPPLIED BY THE MANUFACTURER, DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE MANUFACTURER OR ANY OF ITS AGENTS OR EMPLOYEES IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. NEITHER THE MANUFACTURER NOR ANY OF ITS AGENTS OR EMPLOYEES IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS CERTIFICATION THAT THE MATERIALS FURNISHED BY THE MANUFACTURER ARE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE ORDER DOCUMENTS. DESIGN CONSIDERATIONS OF ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER AND FOR THE OVERALL PROJECT ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR AND DESIGN PROFESSIONALS OTHER THAN THE MANUFACTURER UNLESS SPECIFICALLY INDICATED OTHERWISE.

APPROVAL OF THE MANUFACTURER DRAWINGS AND DESIGN DATA AFFIRMS THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE ORDER DOCUMENTS AND CONSTITUTES BUILDER/CONTRACTOR'S ACCEPTANCE OF THE MANUFACTURER'S INTERPRETATION OF THE ORDER DOCUMENTS AND OF THE MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS, INCLUDING ITS DESIGN, FABRICATION, AND QUALITY CRITERIA STANDARDS AND TOLERANCES.

MASONRY AND TILT-UP CONCRETE WALLS BY OTHERS ARE PRESUMED TRUE, PLUMB AND LEVEL.

THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SHIPMENTS RECEIVED. SHORTAGES MUST BE REPORTED TO THE MANUFACTURER WITHIN 15 DAYS OF DELIVERY.

WHERE SHOWN IN MANUFACTURER'S STRUCTURAL CALCULATIONS, LATERAL STABILITY OF ENDWALLS AND LONGITUDINAL STABILITY OF SIDEWALLS RELY ON DIAPHRAGM ACTION OF THE WALL PANELS PROVIDED BY THE MANUFACTURER. REMOVAL OF THESE WALL PANELS CAN RESULT IN LESS THAN THE MINIMUM LENGTH OF WALL PANELS REQUIRED AND WILL VOID ALL WARRANTIES AND CERTIFICATIONS SUPPLIED BY MANUFACTURER AS THEY APPLY TO THIS CONDITION. THE FIELD INSTALLATION OF X-BRACING OR OTHER MEANS TO PROVIDE LATERAL STABILITY MAY BE REQUIRED AS A RESULT OF THE REMOVAL OF WALL PANELS.

DEFLECTION NOTES

THE MATERIAL SUPPLIED BY STAR HAS BEEN DESIGNED WITH THE FOLLOWING MINIMUM DEFLECTION CRITERIA. THE ACTUAL DEFLECTION MAY BE LESS DEPENDING ON ACTUAL LOAD AND ACTUAL MEMBER LENGTH. THE FRAME SIDESWAY FOR WIND LOADING IS BASED ON A 10 YEAR MEAN OCCURRENCE WIND INTERVAL.

ROOF PURLINS
- LIVE ______ L / 240
- SNOW ______ L / 240
- WIND ______ L / 240
- TOTAL GRAVITY L / 240
- TOTAL UPLIFT L / 240

ROOF RAFTERS
- LIVE ______ L / 240
- SNOW ______ L / 240
- WIND ______ L / 240
- TOTAL GRAVITY L / 240
- TOTAL UPLIFT L / 240

ROOF PANELS
- LIVE ______ L / 150
- SNOW ______ L / 150
- TOTAL UPLIFT L / 120

WALL PANELS
- TOTAL WIND ______ L / 90

WALL GIRTS
- TOTAL WIND ______ L / 120

ENDWALL COLUMNS
- TOTAL WIND ______ L / 120

FRAME/PORTAL FRAME SIDESWAY
- FRAME LIVE ______ H / 90
- FRAME SNOW ______ H / 90
- FRAME WIND ______ H / 50
- FRAME SEISMIC ______ H / 50
- FRAME CRANE ______ H / 0
- FRAME TOTAL WIND ______ H / 50
- FRAME TOTAL SEISMIC ______ H / 50
- FRAME TOTAL GRAVITY ______ H / 90
- PORTAL TOTAL WIND ______ H / 60
- PORTAL TOTAL SEISMIC ______ H / 50

ENGINEERING DESIGN CRITERIA

BUILDING CODE	BOCA 1996
BUILDING END USE	FARM
CLASSIFICATION OF BUILDING	STANDARD
IMPACT LOADS	NONE
DEAD LOAD (STAR MATERIAL) (AVERAGE WEIGHT OF PANELS, PURLINS)	2.4 PSF
COLLATERAL LOADS	3.0 PSF (TOTAL)
SPRINKLER	0.0 PSF
CEILING	3.0 PSF
LIGHTS	0.0 PSF
OTHER	0.0 PSF
FIXED SERVICE EQUIPMENT	NONE
DESIGNED ROOF LIVE LOAD	20.0 PSF (PURLINS) 20.0 PSF (FRAMES)
GROUND SNOW LOAD	60.0 PSF
SNOW EXPOSURE FACTOR	0.7 NORMAL EXPOSURE
IMPORTANCE FACTOR	1
ROOF SNOW LOAD	42 PSF
WIND SPEED	80 MPH
WIND EXPOSURE	EXP C
BUILDING DESIGNED	ENCLOSED BUILDING
IMPORTANCE FACTOR	1.000
DISTANCE FROM COAST (MILES)	1
SEISMIC VALUES AV =	0.15
AA =	0.15
SEISMIC HAZARD EXPOSURE GROUP	I
SEISMIC PERFORMANCE CATEGORY	C
SOIL SITE S4:	2.00

ENGINEERING NOTES

"BRACING SIZE" AS NOTED ON ENGINEERING DOCUMENTS AND ERECTION DRAWINGS DENOTES THREAD DIAMETER FOR ROD BRACING AND WIRE STRAND CABLE DIAMETER FOR WIRE STRAND CABLE BRACING.

ALL BOLTED JOINTS WITH A325 TYPE 1 BOLTS ARE SPECIFIED AS SNUG-TIGHTENED JOINTS IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 23, 2000". PRETENSIONING METHODS, INCLUDING TURN-OF-NUT AND CALIBRATED WRENCH ARE NOT REQUIRED.

THE MANUFACTURER HAS NOT DESIGNED THE STRUCTURE FOR SNOW ACCUMULATION LOADS AT THE GROUND LEVEL WHICH MAY IMPOSE SNOW LOADS ON THE WALL FRAMING BY STAR.

CROSS SECTION	MEMBER DESC.	SECTION (d x b x t) (IN)	L (IN)	MARK NUMBER
b, t, d (C section)	8.5C75	8.5X3.25C.075	.750	DJ (DOOR JAMB) DH (DOOR HEADER) GC (CEE MEMBER)
	8.5C92	8.5X3.25C.092	1.00	
	10C75	10X2.75C.075	1.125	
	10C84	10X2.75C.084	1.125	
	10C100	10X2.75C.100	1.1875	
	12C80	12X3.25C.080	1.41	
	12C88	12X3.25C.088	1.50	
	12C100	12X3.25C.100	1.52	
b, t, d (Z section)	8.5Z57	8.5X2.5Z.057	.768	Z (PURLIN) Z (GIRT)
	8.5Z64	8.5X2.5Z.064	.781	
	8.5Z72	8.5X2.5Z.072	.951	
	8.5Z80	8.5X2.5Z.080	.965	
	8.5Z88	8.5X2.5Z.088	.978	
	10Z75	10X2.75Z.075	1.0	
	10Z84	10X2.75Z.084	1.0	
	10Z100	10X2.75Z.100	1.0625	
	12Z80	12X3.25Z.080	1.36	
	12Z88	12X3.25Z.088	1.35	
	12Z100	12X3.25Z.100	1.37	
b, t, d (E section)	8.5E75	8.5X3.25C.075	.750	E (EAVE STRUT)
	8.5E92	8.5X3.25C.092	1.00	
	10E84	10X3.25C.084	1.19	
	10E94	10X3.625C.094	1.25	
	12E80	12X3.25C.080	1.41	
	12E88	12X3.25C.088	1.50	
	12E100	12X3.25C.100	1.52	

1. THIS DRAWING, INCLUDING THE INFORMATION HERE, REMAINS THE PROPERTY OF THE MANUFACTURER AND IS PROVIDED SOLELY FOR THE PURPOSE OF ERECTING THE MATERIAL DESCRIBED IN THE APPLICABLE ORDER DOCUMENTS AND SHALL NOT BE MODIFIED, REPRODUCED, OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF THE MANUFACTURER.
2. THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING MATERIALS FOR THIS BUILDING IN CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE MANUFACTURER ERECTION GUIDES, AND INDUSTRY STANDARDS.

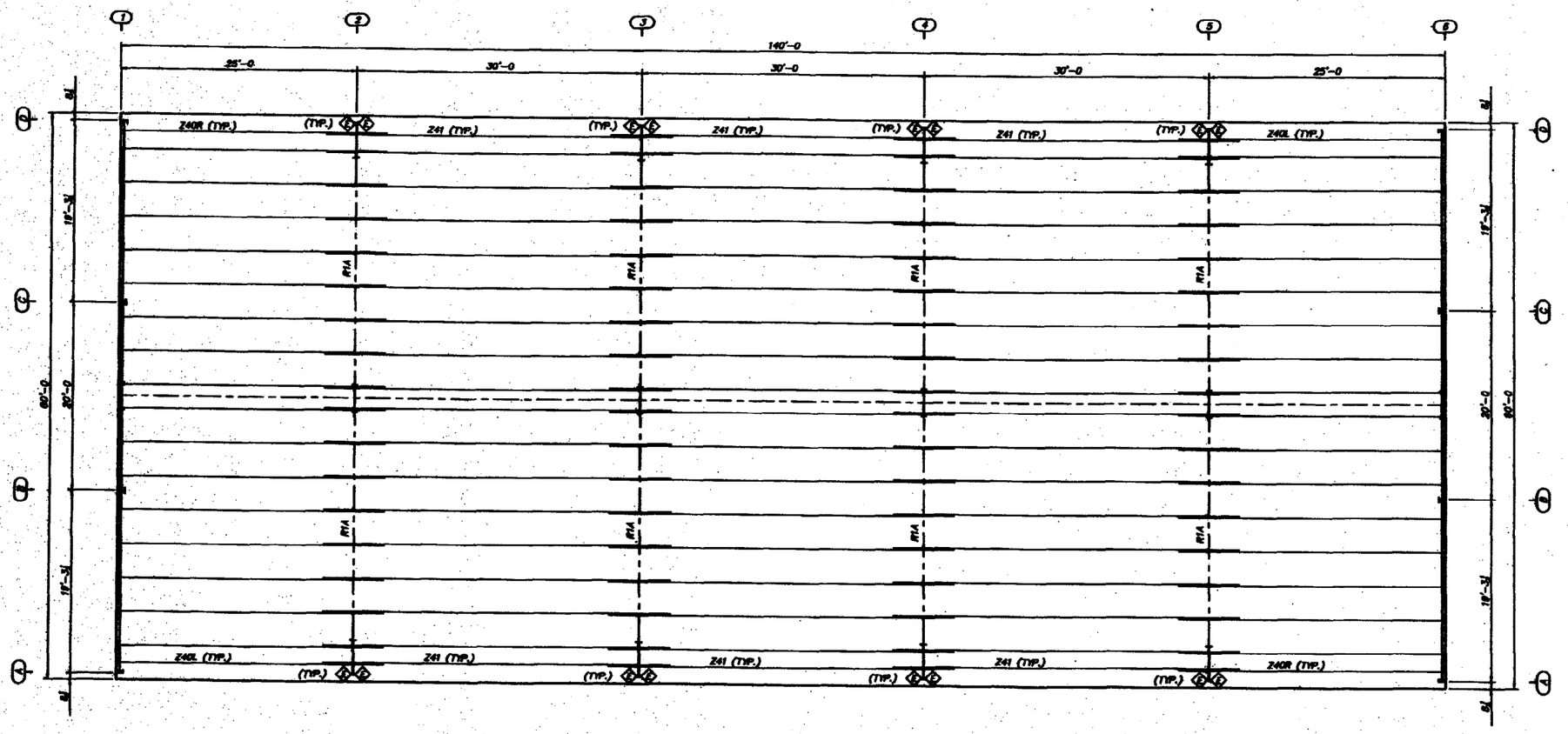
FOR PERMIT PURPOSES

DENNIS P. WATSON, P.E.
8800 S. I-35 SERVICE ROAD
OKLAHOMA CITY, OK. 73149
MAINE P.E. 3879

GENERAL STEEL CORPORATION

CHECKED	TSA
DATE	8/4/02
ENG. REVIEW	DPW
BUILDER:	GENERAL STEEL CORPORATION, LAKEWOOD, CO
CUSTOMER:	MORRILL STREET ASSOCIATES, PORTLAND, ME
JOB NO.	10 B 40645
DRAWING NO.	E1

▲ – DENOTES: CLIP CL203 LOCATION



ROOF FRAMING PLAN

Z_SECTION LAP TABLE

SYMBOL	LAP	SYMBOL	LAP	SYMBOL	LAP
◇	1'-1 LAP	◇	3'-2½ LAP	◇	4'-7 LAP
◇	1'-7 LAP	◇	3'-7 LAP	◇	5'-1 LAP
◇	2'-1 LAP	◇	4'-1 LAP	◇	5'-7 LAP
◇	2'-7 LAP	◇	2½ LAP		

NOTES:

1. THIS DRAWING, INCLUDING THE INFORMATION HERE, REMAINS THE PROPERTY OF THE MANUFACTURER AND IS PROVIDED SOLELY FOR THE PURPOSE OF SPECIFYING THE MATERIAL REFERRED TO THE APPLICABLE BUILDER AGREEMENT(S) AND SHALL NOT BE COPIED, REPRODUCED, OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF THE MANUFACTURER.
2. THE ERECTOR, CONTRACTOR AND/OR ERECTION IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING MATERIALS FOR THIS BUILDING IN CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE MANUFACTURER ERECTION GUIDES, AND INDUSTRY STANDARDS.

DRAWING: TSA
DATE: 8/4/02
NOT TO SCALE

GENERAL STEEL CORPORATION
10016 S. YUKON STREET, SUITE 200
LAKEWOOD, CO. 80231
PHONE: 303-904-9999
FAX: 303-904-9988

BUILDER: GENERAL STEEL CORPORATION
LAKEWOOD, CO

CUSTOMER: MORRILL STREET ASSOCIATES
PORTLAND, ME

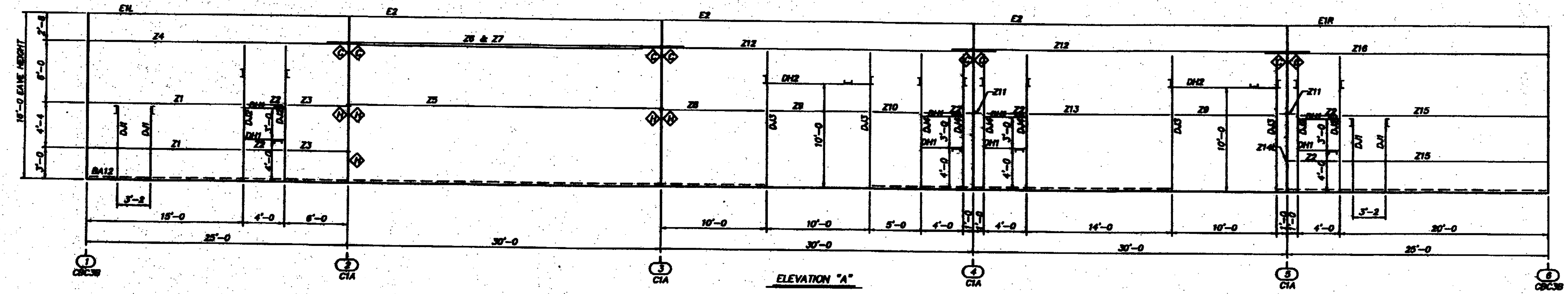
JOB NO. 10 B 40645

DRAWING NO. E2

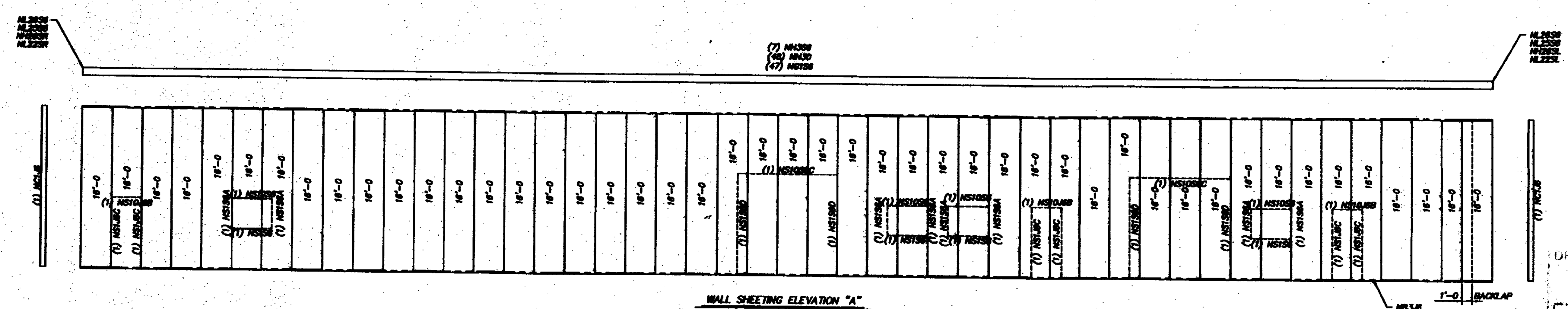
DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
MAY – 2 2003
RECEIVED

FOR PERMIT PURPOSES

DENNIS P. WATSON, P.E.
6900 S. I-35 SERVICE ROAD
OKLAHOMA CITY, OK. 73149
MAINE P.E. 3879



ELEVATION "A"



WALL SHEETING ELEVATION "A"

Z_SECTION LAP TABLE					
SYMBOL	LAP	SYMBOL	LAP	SYMBOL	LAP
◇	1'-1 LAP	◇	3'-2½ LAP	◇	4'-7 LAP
◇	1'-7 LAP	◇	3'-7 LAP	◇	5'-1 LAP
◇	2'-1 LAP	◇	4'-1 LAP	◇	5'-7 LAP
◇	2'-7 LAP	◇	2½ LAP		

NOTES:

1. THIS DRAWING, INCLUDING THE INFORMATION HERE, REMAINS THE PROPERTY OF THE MANUFACTURER ...

2. THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING MATERIALS ...

FOR PERMIT PURPOSES

DENNIS P. WATSON, P.E.
8800 S. I-35 SERVICE ROAD
OKLAHOMA CITY, OK. 73149
MAINE P.E. 3879

GENERAL STEEL CORPORATION

BUILDER: GENERAL STEEL CORPORATION, LAKEWOOD, CO

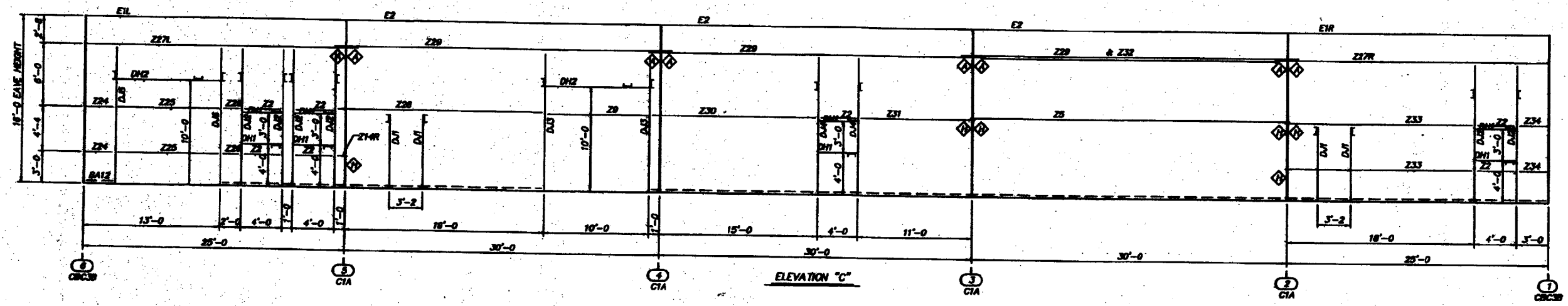
CUSTOMER: MORRILL STREET ASSOCIATES, PORTLAND, ME

CHECKED: TSA DATE: 9/4/02

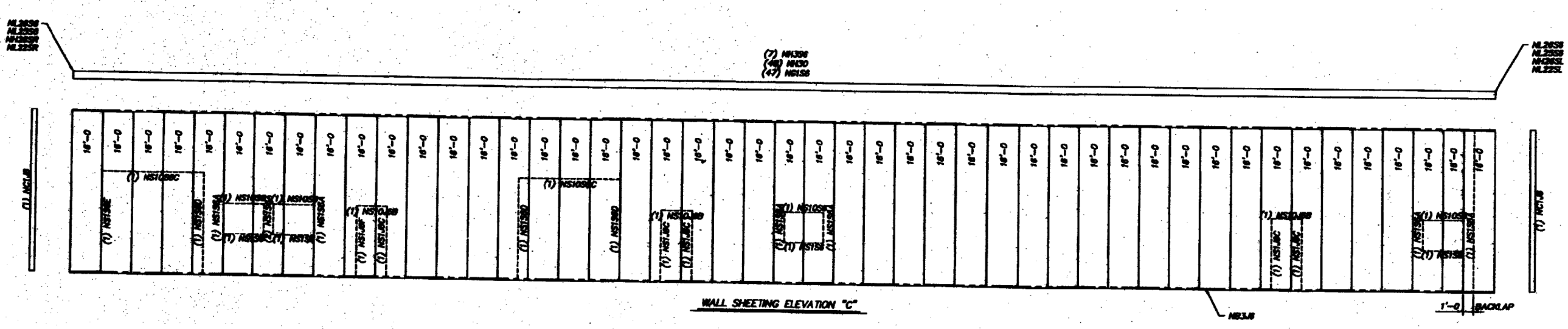
NOT TO SCALE

JOB NO. 10 B 40645

DRAWING NO. E3



ELEVATION "C"



WALL SHEETING ELEVATION "C"

RECEIVED
MAY - 2 2003

FOR PERMIT PURPOSES

DENNIS P. WATSON, P.E.
6900 S. I-35 SERVICE ROAD
OKLAHOMA CITY, OK. 73149
MAINE P.E. 9879

Z_SECTION LAP TABLE

SYMBOL	LAP	SYMBOL	LAP	SYMBOL	LAP
◇	1'-1 LAP	◇	3'-2½ LAP	◇	4'-7 LAP
◇	1'-7 LAP	◇	3'-7 LAP	◇	5'-1 LAP
◇	2'-1 LAP	◇	4'-1 LAP	◇	5'-7 LAP
◇	2'-7 LAP	◇	2½ LAP		

NOTES:

1. THIS DRAWING, INCLUDING THE INFORMATION HERE, REMAINS THE PROPERTY OF THE MANUFACTURER, AND IS FURNISHED SOLELY FOR THE PURPOSE OF ERECTING THE MATERIAL REFERRED TO THE APPLICABLE GOODS AGREEMENT AND SHALL NOT BE MODIFIED, SUPPLEMENTED, OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF THE MANUFACTURER.
2. THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING MATERIALS FOR THIS BUILDING IN CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE MANUFACTURERS ERECTION GUIDES, AND INDUSTRY STANDARDS.

CHECKED	DATE
TSA	9/4/02
NOT TO SCALE	

GENERAL STEEL CORPORATION
1808 B. WADSWORTH BLVD., SUITE 208
LAKEWOOD, CO. 80215
PHONE 303-204-1020
FAX 303-204-1028

BUILDER: GENERAL STEEL CORPORATION LAKEWOOD, CO	CUSTOMER: MORRILL STREET ASSOCIATES PORTLAND, ME

JOB NO. 10 B 40845

DRAWING NO. E4

NOTES:

1. THIS DRAWING CONTAINS THE CONFIGURATION AND DETAILS THAT ARE THE PROPERTY OF THE BUILDER AND IS INTENDED FOR USE ONLY WITH THE BUILDING AT THE SITE SHOWN. ANY OTHER USE OR REPRODUCTION WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE BUILDER IS PROHIBITED.
2. THE GENERAL CONTRACTOR MUST REVIEW & VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES FOUND MUST BE REPORTED TO THE BUILDER IMMEDIATELY. DO NOT SCALE DRAWINGS. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

DESIGNED	TSA	DATE	8/4/03
DRAWN			
CHECKED			

NOT TO SCALE

BUILDER
GENERAL STEEL CORPORATION
LAKEWOOD, CO

CUSTOMER
HOWELL SWEET ASSOCIATES
PORTLAND, ME

GENERAL STEEL CORPORATION
4020 S. TABOR STREET, #200
LAKEWOOD, CO 80227
PHONE: 303-984-2000
FAX: 303-984-2001

JOB NO. 10 B 4045

DRAWING NO. E3

FOR PERMIT PURPOSES

DENNIS P. MATSON, P.E.
0800 S. I-35 SERVICE ROAD
OKLAHOMA CITY, OK 73149
MAINE P.E. 3079

RECEIVED
MAY - 2 2003
DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND

WALL SHEETING ELEVATION 'B'

WALL SHEETING ELEVATION 'D'

ELEVATION 'B'

ELEVATION 'D'

CODE	M.S. GLR		P.S. GLR	
	LEFT	RIGHT	LEFT	RIGHT
R	GL70L	GL70L	GL70L	GL70R
MLCF	GL70L	GL70L	GL70R	GL70R
L	GL70R	GL70R	GL70L	GL70L
LLCF	GL707	GL70R	----	GL70L
MLCF	GL707	GL707	GL70R	GL70R
R	GL70L	GL70L	GL70R	GL70R