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	PROJECT TITLE East Tower 6 & 7 Addition 22 Bramhall Street Portland, ME 04102
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	KEY PLANS PROJECT KEY PLAN EAST TOWER
TAL ED DRCE 'E 7)	TRUE NORTH RICHARDS BUILDING OVERALL KEY PLAN 1 - GILMAN GARAGE 2 - CONGRESS STREET 3 - VISITOR GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6-BEAN BUILDING 7-RICHARDS BUILDING 8-MAINE GENERAL BUILDING 1 - GILMAN GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6-BEAN BUILDING 7-RICHARDS BUILDING 1 - GILMAN GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 1 - GILMAN GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 1 - GILMAN GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 1 - GILMAN GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 1 - GILMAN GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 7 - RICHARDS BUILDING 7 - RICHARDS BUILDING 7 - RICHARDS BUILDING
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NNING 5.3.2.2,	TITLE
E	STEEL TYPICAL DETAILS
	SHEET NUMBER
	S00-21

M / TYP. TOP & BOTTOM - SINGLE PLATE CONNECTION - BACKING BAR (TYP.) PLATE WIDTH TO BE GREATER THAN 1/2 WIDTH OF BEAM FLANGE. (TYP. EA. SIDE) PLATE THICKNESS TO

MATCH BEAM FLANGE THICKNESS.

SIM. AT TOP OF COLUMN

BEAM SHEAR REACTION TABLE (UON) HORIZONT VERTICAL MINIMUM FACTORE FACTORED (LOAD) NUMBER OF **TENSILE FOR REACTION (KIPS)** BOLTS (KIPS) (SEE NOTE 1) (SEE NOTE 6) (SEE NOTE 29 - 20 40 44 47 47 64 4 64 4 80 5 5 105 6 94 109 6 130 6 130 6 130 6 130 6 140 8 140 9 23 2

<u>NOTES</u>: 1. LOADS IN THIS TABLE HAVE BEEN FACTORED IN ACCORDANCE WITH SECTION 2.3 2. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. 3. BEAM REACTIONS SHOWN ON PLAN TAKE PRECEDENT OVER THOSE SHOWN IN THI TABLE. FOR THOSE SHOWN ON PLAN, PROVIDE A HORIZONTAL FACTORED TENSILE FORCE EQUAL TO 2/3 THE VERTICAL FACTORED LOAD UON. VERTICAL AND HORIZO LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY. 4. SEE DETAILS AND SECTIONS FOR BEAMS REQUIRING FULL DEPTH SHEAR CONNECTIONS 5. FIELD WELDED CONNECTIONS MAY BE USED IN LIEU OF BOLTED CONNECTIONS AT CONTRACTOR'S OPTION, HOWEVER, SHOP DRAWINGS FOR ALL FIELD WELDED CONNECTIONS MUST BE SUBMITTED AND APPROVED BY THE EOR PRIOR TO BEGIN

7. FOR COMPLIANCE WITH STRUCTURAL INTEGRITY REQUIREMENTS OF 2015 IBC 1615. CONNECTIONS SHALL HAVE MINIMUM HORIZONTAL AXIAL TENSILE STRENGTH INDICATED. VERTICAL REACTION AND HORIZONTAL TENSILE FORCE NEED NOT ACT 8. DRAG FORCES (Pu) SHOWN ON PLAN ARE CONCURRENT WITH THE LARGER OF THE VERTICAL FACTORED LOAD SHOWN IN TABLE OR ON PLAN (Vu).

BEAM SHEAR REACTION TABLE

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