

CORRES CONTROL

OUTGOING LTR NO

BOE ORDER # 4700 1

03-RF-00510

DIST	LTR	ENC
DIETER, T		
FERRERA, D W		
FERRI M S		
LINDSAY, D		
LYLE, J		
MARTINEZ, L A		
PARKER, A		
POWERS, K		
SHELTON, D C		
SPEARS, M S		
TRICE, K D		
TUOR, N R		



March 31, 2003

03-RF-00510

AGUILAR, P		
ALBIN, C		
BEAN, C		
BUTLER, J L		
CERCLA AR (T130G)	X	X
FRANCIS, M		
FREIBOTH, C		
GIBBS, F	X	
GUTHRIE, V		
HUMISTON, T		
KNAPP, S		
MARSCHALL, J R		
MARTIN, D		
MYERS, K	X	
NESTA, S	X	X
NORTH, K		
OLIVER, R		
OMAN, K		
PLAPPERT R		
PRIMROSE, A		
ROSENMAN, A.		
SNYDER, D P		
THOMPSON, J		
WIEMELT, K		
WILLIAMS L		
LESINSKI, M	X	X
HANSON, J	X	X

Richard DiSalvo
Assistant Manager for
Environment and Stewardship
DOE, RFFO

RSOP FOR COMPONENT REMOVAL, SIZE REDUCTION, AND DECONTAMINATION
ACTIVITIES NOTIFICATION LETTER FOR BUILDING 865 COMPONENT REMOVAL, SIZE
REDUCTION, AND DECONTAMINATION – FEG-009-03

Attached is a draft transmittal letter to the Colorado Department of Public Health and
Environment for the notification under the Component Removal, Size Reduction and
Decontamination Activities RSOP, for removal of a contaminated portion of the Building 865
wall The draft transmittal letter has been prepared from DOE RFCA coordinator to CDPHE
RFCA coordinator

Please contact Mark Lesinski at x3723 or Jack Hanson at x5520 with questions or concerns.

Frank E. Gibbs

Frank E Gibbs
Deputy Project Manager
Remediation, Industrial D&D, and Site Services

CORRES CONTROL	X	X
ADMIN RECRD/T130G		
TRAFFIC		
PATS/130		

CLASSIFICATION		
UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

Attachment
As Stated
KLM pvt

AUTHORIZED CLASSIFIER
SIGNATURE

Ong and 1 cc – Richard DiSalvo

Date
IN REPLY TO RFP CC NO

cc: Steve Tower

ACTION ITEM STATUS
 PARTIAL/OPEN
 CLOSED
LTR APPROVALS

ORIG & TYPIST INITIALS
KLM pvt



Kaiser-Hill Company, L L C
Rocky Flats Environmental Technology Site, 10808 Hwy 93 Unit B, Golden, CO 80403-8200 ♦ 303-966-7000

Steven H Gunderson
Colorado Department of Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80222-1530

**RSOP FOR COMPONENT REMOVAL, SIZE REDUCTION, AND DECONTAMINATION
ACTIVITIES NOTIFICATION LETTER FOR BUILDING 865 COMPONENT REMOVAL, SIZE
REDUCTION, AND DECONTAMINATION**

Mr Gunderson

In accordance with the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Component Removal, Size Reduction and Decontamination Activities, this letter and its attachments is notification for RSOP implementation. The RSOP was previously implemented and approved to conduct component removal, size reduction and decontamination activities within Building 865. This letter notifies Colorado Department of Public Health and Environment (CDPHE) of the removal of a contaminated portion of Building 865 wall before demolition of the facility. The blast panels have radiological contamination and are friable asbestos. The area surrounding this portion of wall will have a containment structure constructed of plywood and two layers of plastic. All of the blast panels will be removed and brought into the building for appropriate disposition. Once the abatement is complete the inner layer of plastic will be removed leaving the outer containment structure, which will be maintained until building demolition.

Kaiser Hill Construction (KHC) and will conduct this work. If KHC would like to use a method or process not included in the RSOP, an additional notification will be made, and in consultation with DOE/LRA, the RFCA process for decision document modification will be used.

The appropriate checklists and information required by the RSOP were submitted with the original RSOP Notification Letter (approved on 1/23/2002) and should provide the necessary information. This work will be conducted in accordance with the work control documentation prepared by KHC. The exact methods and process selected by KHC and progress of the activities will be communicated to DOE/LRA through the consultative process, particularly the weekly Building 865 status meetings.

The facility will be breached during the activity, hence the six-part analysis required under Section 3.2 of the RSOP is included in the enclosure. Questions can be directed to Steve Tower, Acting Manager of Projects, Rocky Flats Field Office at (303) 966-2133.

Richard DiSalvo
U.S. Department of Energy

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Six Point Analysis as Required by Section 3.8.1 of the RFCA Standard Operating Protocol (RSOP) For Facility Component Removal, Size Reduction, & Decontamination Activities

Relative Costs

As stated in Section 3.8.1, of the RSOP, since it is not feasible to decontaminate this friable asbestos portion of the wall, this analysis is not required. The circumstances and details of this removal action will be documented in the Project Record (i.e., Project Closeout Report)

Structural Evaluation

Attached is an engineering evaluation by a certified Colorado registered professional structural engineer

Air Emissions

The following information was provided by the Environmental Air Monitoring Group of RFETS for a project that proposed enlarging a hole in the roof of Building 865, which would be open to the outside for periods of time. We are using this model to demonstrate that the proposed project, which will maintain an exterior containment at all times, will not pose any danger of releasing any contaminants of concern to the environment.

The model assumed the estimated total quantity of 1 gram of DU, in Building 865, was released through a hole in the roof (5 m height, ~16 ft) of Building 865 using EPA's CAP88 model. The most-affected public receptor would receive about 2×10^{-6} mrem. This is below any regulatory threshold or monitoring triggers under the Clean Air Act.

Realistically, the beryllium standard does not apply since the D&D of Building 865 is not subject to the beryllium NESHAP, per the RFETS Title V permit. However, if an input of 0.02 grams beryllium (~19.3 μg) is modeled as the current worst case surface contamination levels, the resultant release is well below the beryllium NESHAP 30-day average concentration limit.

Dust Generation

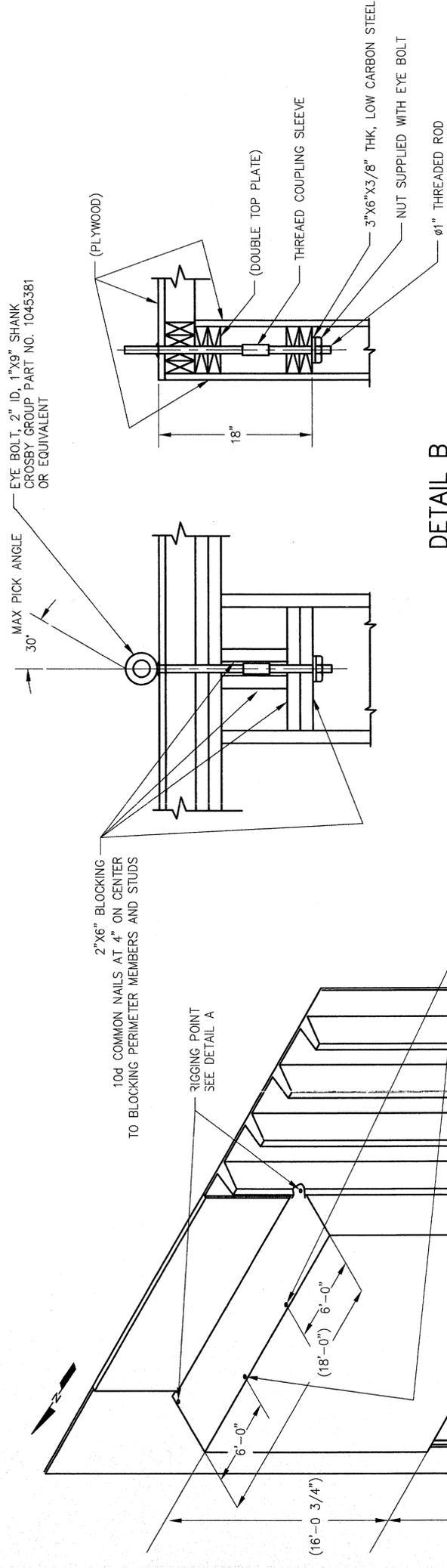
Since this removal action is also an asbestos abatement action, there will be no dust generation that will be released to the environment. Appropriate engineering controls will be in place during abatement in accordance with CDPHE Regulation 8.

Impacts to Surface Water

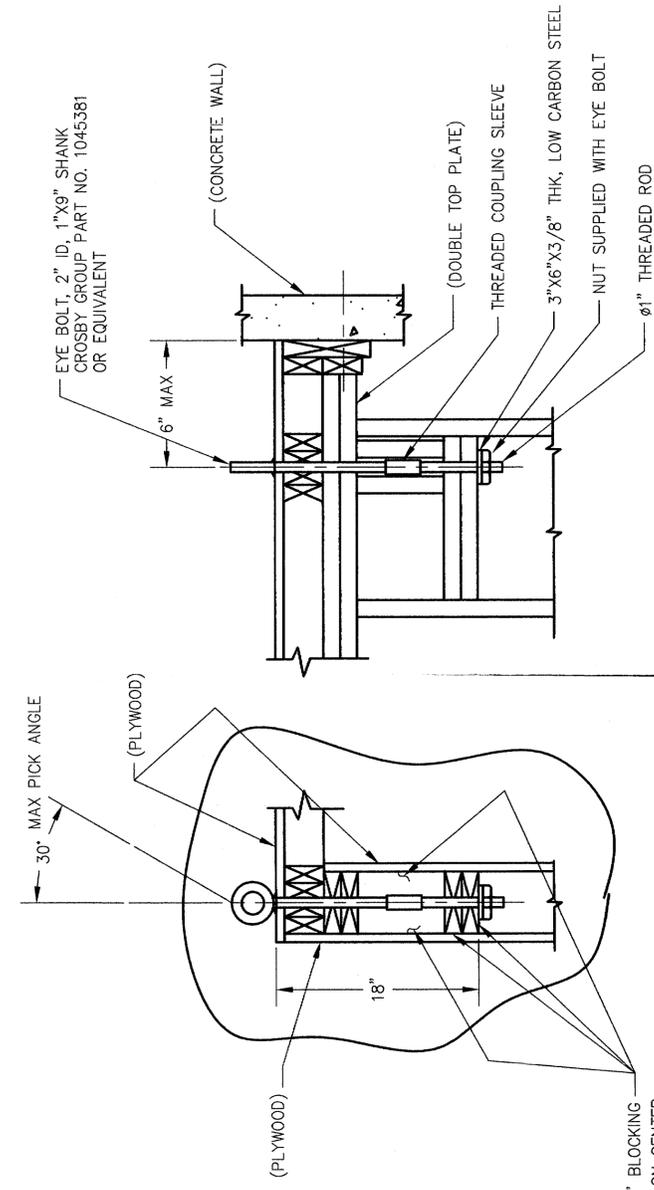
A representative from the Surface Water group performed a walk-down of the work area on the west side of Building 865 and reviewed the proposed activities. Based on this walk-down and review, there are no surface water compliance concerns affecting this project. The building components being worked will be completely enclosed, and there is sufficient separation between those components and the nearest surface water drainage. The potential for contaminants reaching the drainage and surface water is therefore minimal.

Impacts to Migratory Birds

The Kaiser-Hill Ecology group did not find any nests on the west wall of building 865, where construction of an enclosure around a blast wall will be conducted. Therefore an ecology clearance for construction of the containment structure was issued and is valid until April 15, 2003.



DETAIL B



DETAIL A

LOOKING NORTHEAST

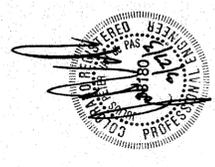
NOTES:

1. A STRUCTURAL EVALUATION HAS BEEN PERFORMED AND THE ENGINEERING CONTROLS ESTABLISHED BY THIS DRAWING INSURE:
 - A. THE SAFE HANDLING/REMOVAL OF THE TRANSITOP PANELS.
 - B. THE RIGGING DESIGN/STRUCTURE CAN SAFELY FACILITATE THE REMOVAL (RAISING, LOWERING, HANDLING) OF THE TRANSITOP PANELS.
 - C. THE OVERALL STRUCTURAL INTEGRITY OF THE BUILDING IS NOT ADVERSELY AFFECTED BY THE PROCESS.

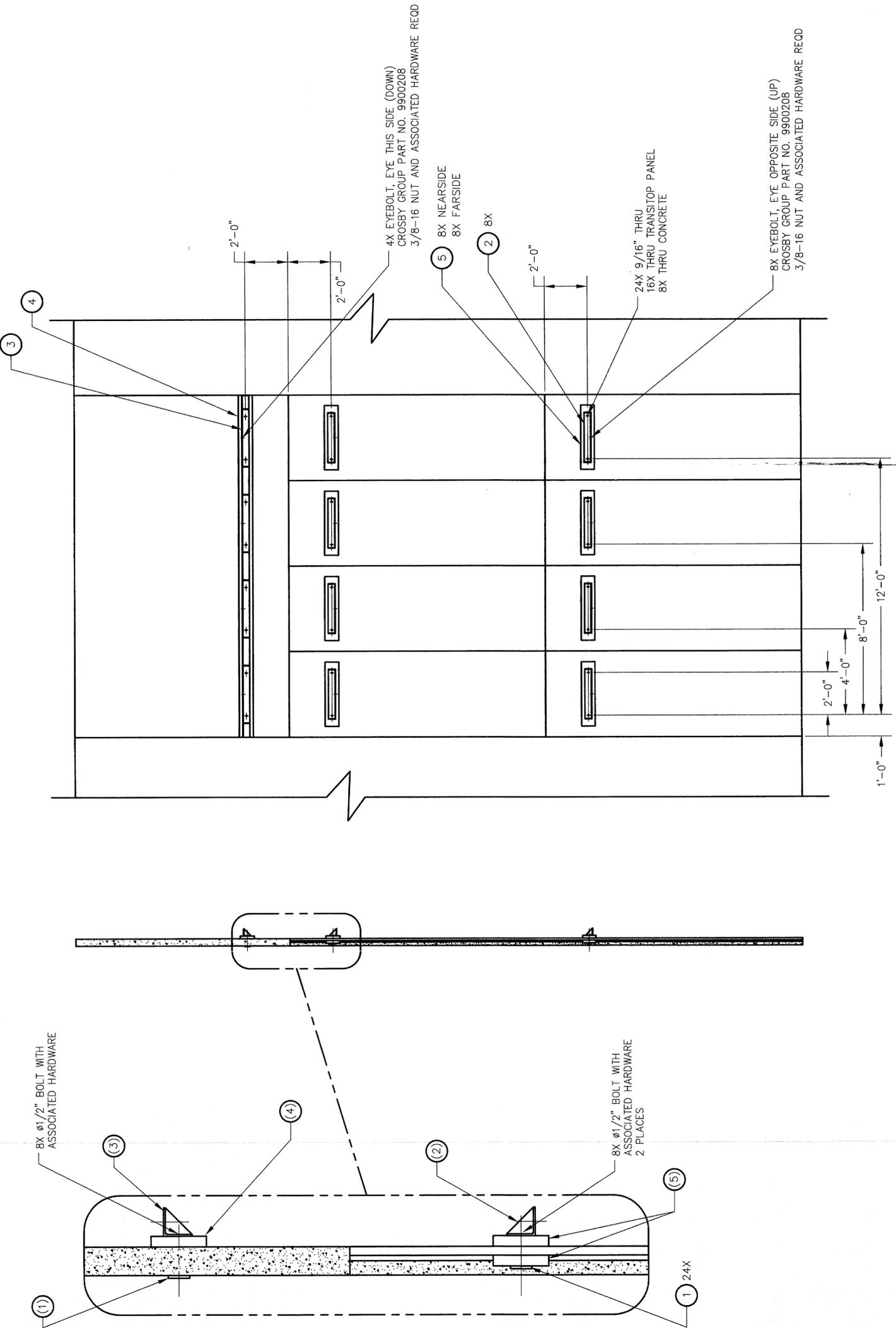
REVIEWED FOR CLASSIFICATION/UMH
 By Daniel L. Nigro
 Date 2/27/2003
 Approved for Public Release Per
 CONTRACTOR CLASSIFICATION OFFICE

REFERENCE DRAWINGS

- SK-865-NWBLASTWALL
- SK-865-PNLRIGGING
- SK-865-PR-POINTS-DETAILS



DESIGNED BY SAUNDERS	DATE 12/21/2002	PROJECT B865 NW BLASTWALL
CHECKED BY GAMMAGE	DATE 12/21/02	PROJECT PREBUILT RIGGING
INDEPENDENT VERIFIED SAUNDERS	DATE 12/21/02	PROJECT PREBUILT RIGGING
SCALE NONE	SIZE D	DRAWING NUMBER SK-865-PREBUILT-RIGGING
		ISSUE 0



ELEVATION - WEST WALL, B865

REFERENCE DRAWINGS SK-865-PR-POINTS-DETAILS

FOR PART DETAILS

QTY SHOWN ARE AS IF ALL PANELS WERE TO BE RIGGED PRIOR TO ANY REMOVALS.
 PANELS MAY BE RIGGED SINGULARLY, AS PAIRS, ETC. ADJUST QTY APPROPRIATELY.

REFERENCE DRAWINGS:

- SK-865-NWBLASTWALL
- SK-865-PR-POINTS-DETAILS
- SK-865-PREBUILT-RIGGING

NOTES:

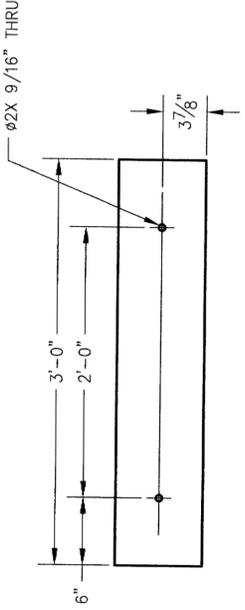
1. A STRUCTURAL EVALUATION HAS BEEN PERFORMED AND THE ENGINEERING CONTROLS ESTABLISHED BY THIS DRAWING ARE SUFFICIENT TO INSURE:
 - A. THE SAFE HANDLING/REMOVAL OF THE TRANSITOP PANELS.
 - B. THE RIGGING DESIGN/STRUCTURE CAN SAFELY FACILITATE THE REMOVAL (RAISING, LOWERING, HANDLING) OF THE TRANSITOP PANELS.
 - C. THE OVERALL STRUCTURAL INTEGRITY OF THE BUILDING IS NOT ADVERSLY AFFECTED BY THE PROCESS.



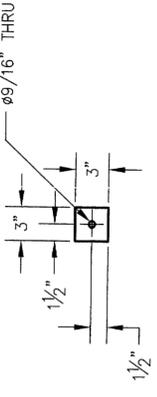
REVIEWED FOR CLASSIFICATION/ISSUE
 By: **DAVID L. REYNOLDS**
 Approved For Public Release Per
 Contractor Classification Officer
 AMM

Page 7 of 8 B865-A-000037

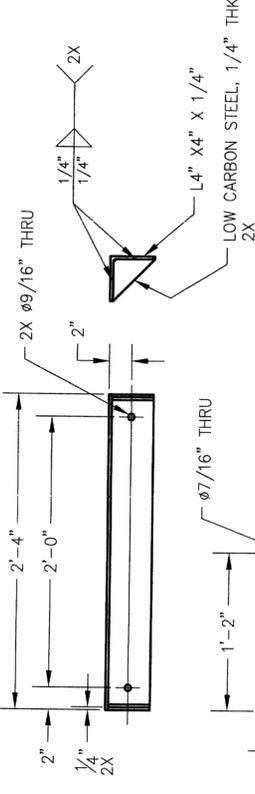
DESIGNED BY	SAUNDERS	DATE	11/27/13
CHECKED BY	SAUNDERS	DATE	11/27/13
APPROVED BY	DAVID L. REYNOLDS	DATE	11/27/13
SCALE	NONE	DRAWING NUMBER	D SK-865-PNLRIGGING
ISSUE	0		



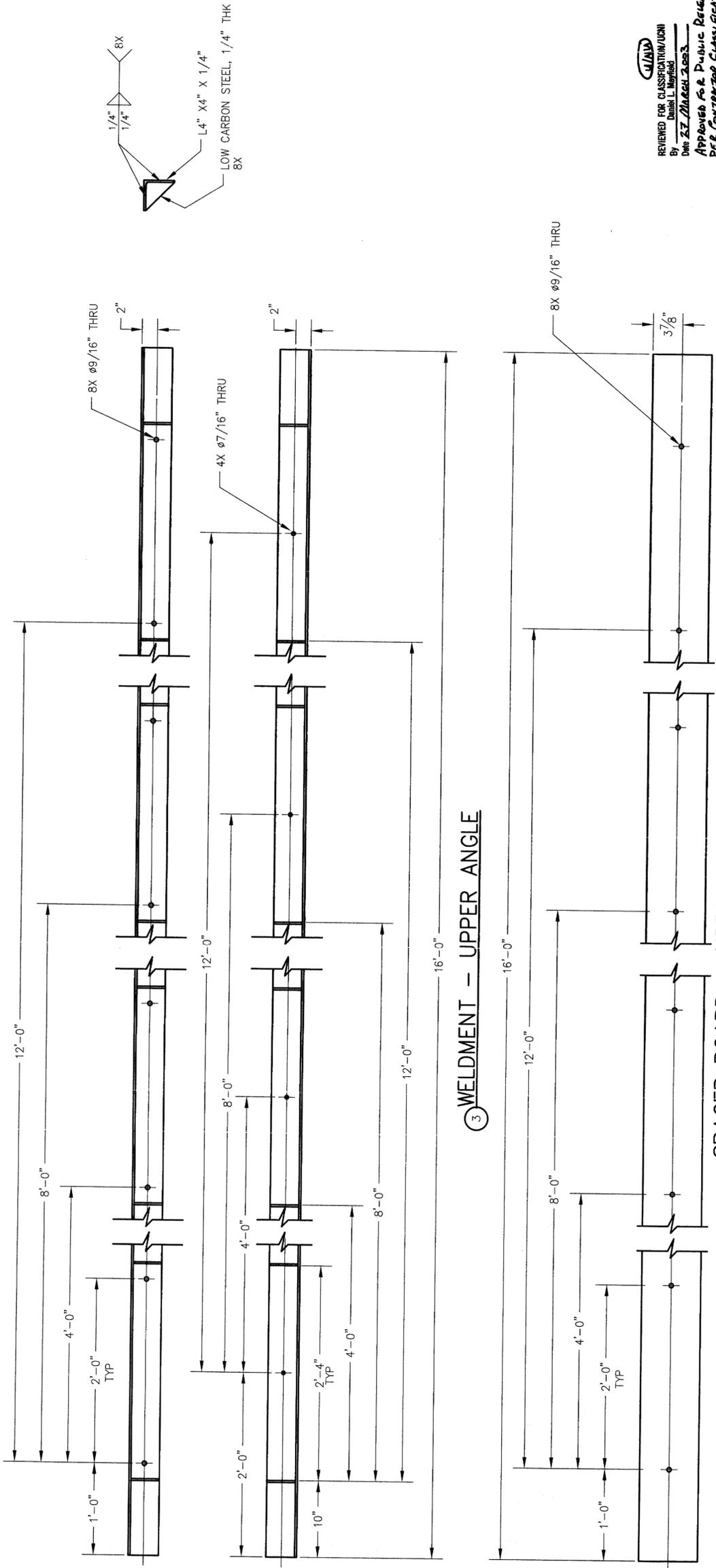
5 SPACER BOARD - PANEL
MATL: DOUGLAS FIR, NO. 2 OR BETTER



1 REINFORCING PLATE
MATL: LOW CARBON STL, 3/8" THK



2 WELDMENT - PANEL ANGLE



3 WELDMENT - UPPER ANGLE

4 SPACER BOARD - UPPER
MATL: DOUGLAS FIR, NO. 2 OR BETTER

REFERENCE DRAWINGS:

- SK-865-PNL-RIG-POINTS
- SK-865-NWBLASTWALL
- SK-865-PREBUILT-RIGGING

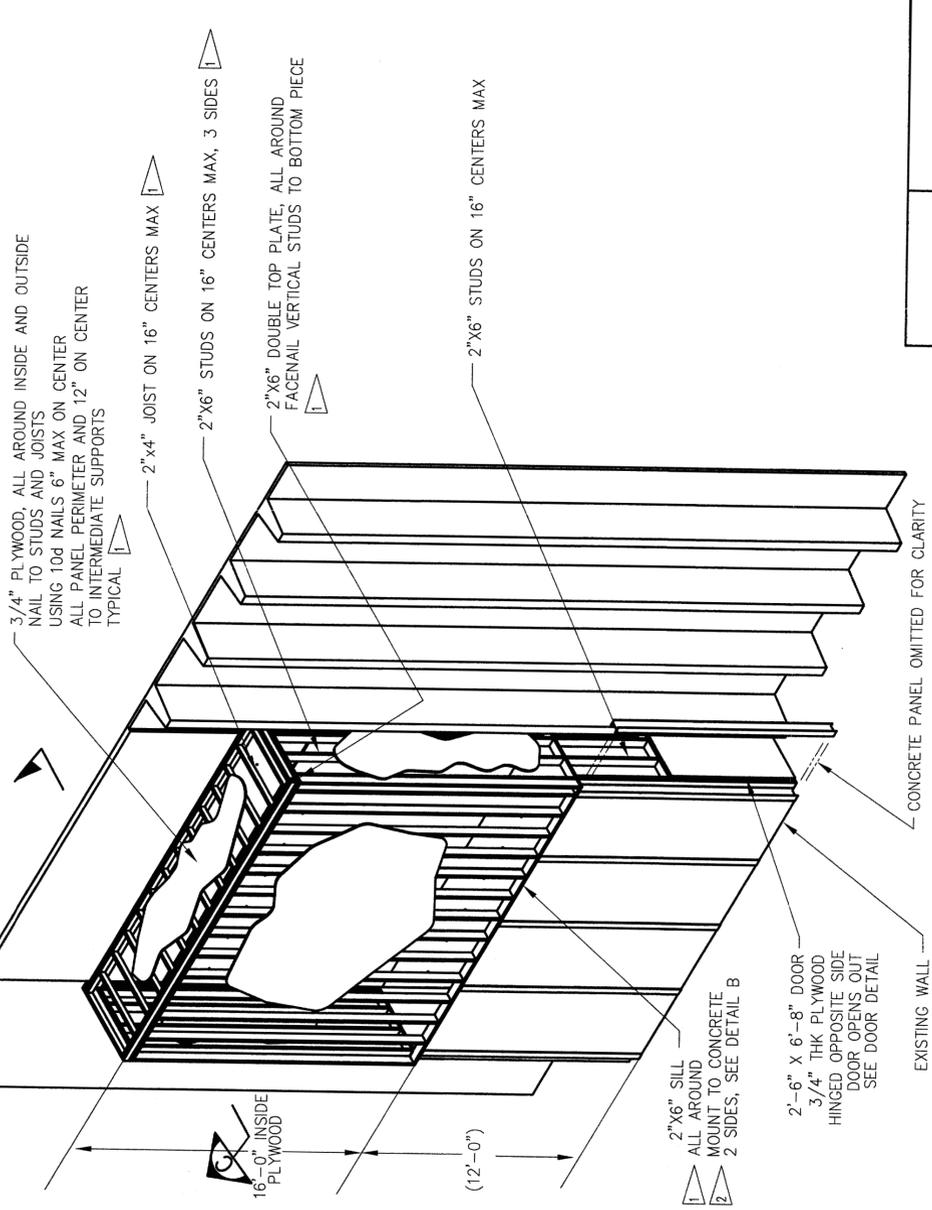
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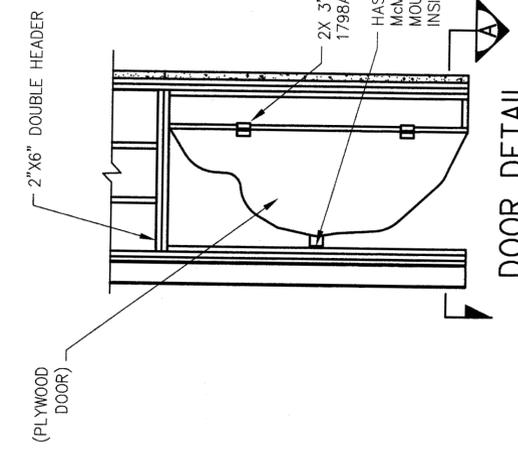


REVIEWED FOR CLASSIFICATION/UCM
By: [Signature]
Date: 2/7/2003
Approved For Public Release
Per Contractor Classification
Control - PDM

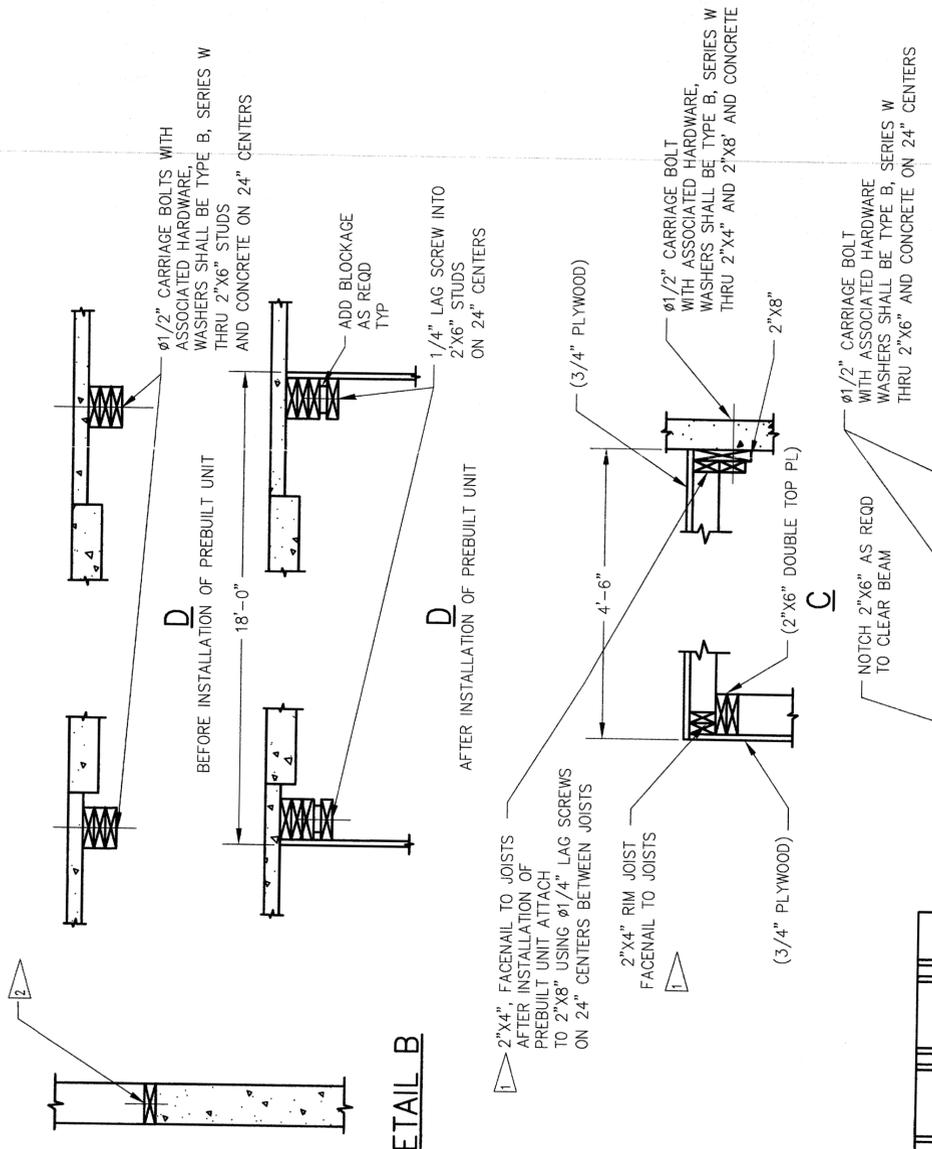
DESIGNED BY SAUNDERS	Checked By H.S. [Signature]	Page 6	B865-A-00037
DRAWN BY CAMALACE	INDEPENDENT VERIFIER [Signature]	B865 NW BLASTWALL ELEVATIONS	
DATE 11/11/02	SCALE NONE	DRAWING NUMBER D SK-865-PR-POINTS-DETAILS	ISSUE 0



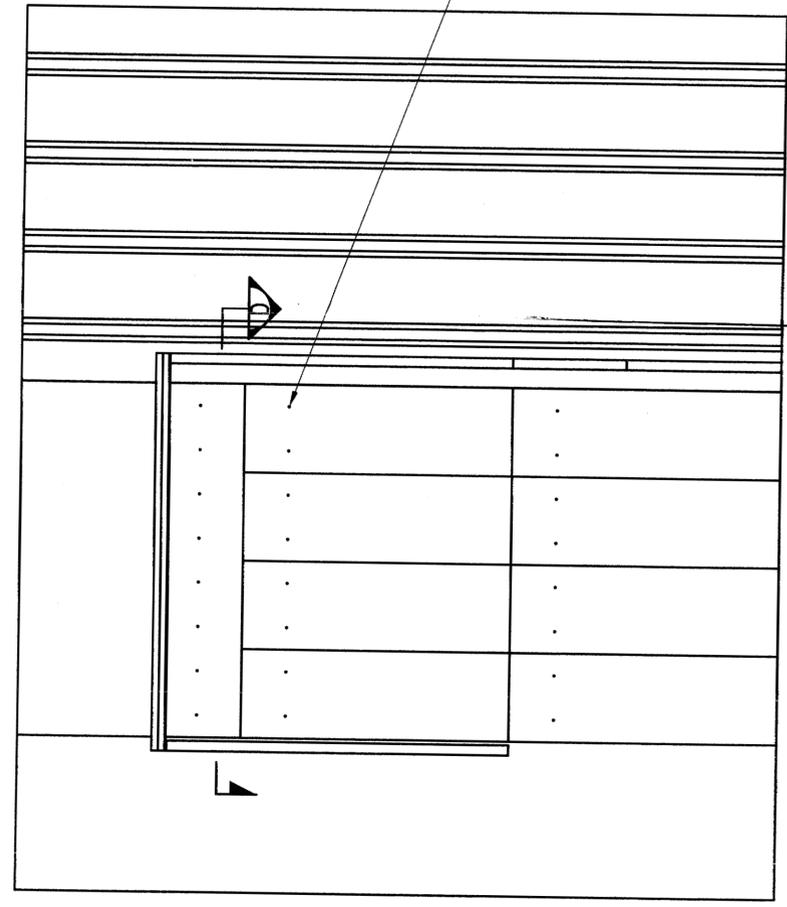
LOOKING NORTHEAST



DOOR DETAIL



DETAIL B



WEST ELEVATION - B865

NOTES:

1. INDICATED ITEMS MAY BE PREASSEMBLED AND INSTALLED ON CONCRETE WALL AS A UNIT.
2. ANCHORS INTO CONCRETE SHALL BE $\phi 1/2"$ HILTI KWIK BOLT II, WITH $2 1/2"$ MIN EMBEDMENT INTO CONCRETE.
3. FLOOR SHALL BE 2 LAYERS OF $3/4"$ PLYWOOD AND INTERIOR OF THE FREESTANDING CONCRETE WALL SHALL BE FACED WITH $3/4"$ PLYWOOD. ATTACHMENT PER PROJECT DISCRETION. INTERIOR SHALL BE LINED WITH FIRE RATED PLASTIC.
4. ALL FRAMING MEMBERS SHALL BE DOUGLAS FIR, NO. 2 OR BETTER.
5. MINIMUM 10d NAILS FOR ALL STUDS AND JOISTS TO PLATES AND SILLS. NAIL PENETRATION SHALL $1 5/8"$ MIN.
6. A STRUCTURAL EVALUATION HAS BEEN PERFORMED AND THE ENGINEERING CONTROLS ESTABLISHED BY THIS DRAWING INCLUDE:
 - A. THE SAFE HANDLING/REMOVAL OF THE TRANSITOP PANELS.
 - B. THE RIGGING DESIGN/STRUCTURE CAN SAFELY FACILITATE THE REMOVAL (RAISING, LOWERING, HANDLING) OF THE
7. THE OVERALL STRUCTURAL INTEGRITY OF THE BUILDING IS NOT ADVERSELY AFFECTED BY THE PROCESS.
8. ALL EXPOSED FLAMMABLE SURFACES OF THE CONTAINMENT ROOM SHALL BE SPRAYED, INSIDE AND OUTSIDE, WITH FLAME RETARDANT COATING; OCEAN COATINGS PRODUCT OCEAN 441 OR EQUIVALENT. THE ROOM SHALL BE SEALED USING, AT THE PROJECT'S OPTION, "INSTACOAT" AND/OR CARGO TAPE.

REFERENCE DRAWINGS

- SK-865-PNL-RIGGING
- SK-865-PR-POINTS-DETAILS
- SK-865-PREBUILT-RIGGING

REVIEWED FOR CLASSIFICATION/ISSUE
 By Daniel L. Mayfield (DLM)
 Date 27 March 2003
 Approved for Public Release per
 CONTRACTOR CLASSIFICATION Directive, 1995



DESIGNED BY	SAUNDERS	12/17/02
CHECKED BY	SAUNDERS	12/17/02
DRAWN BY	SAUNDERS	12/17/02
DATE	12/17/02	
SCALE	NONE	
PROJECT NO.	12172	
DRAWING NUMBER	B865 NW BLASTWALL ELEVATIONS/DETAILS	
ISSUE	D SK-865-NWBLASTWALL	0